

**Glan Llyn
Phase 4G**

Desk Study & Phase 2 Geo-
Environmental Interpretative
Report

Glan Llyn, Newport

Phase 4G

Desk Study & Phase 2 Geo-Environmental Report

For

Revantage Real Estate

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Executive Summary

This presents the salient points of the report and should not be referred to in isolation.

Summary	Rodgers Leask Ltd (RLL) were commissioned by Revantage Real Estate Ltd to prepare a combined Desk Study and Phase 2 Geo-Environmental Interpretative Report for Phase 4G of the Glan Llyn development on the former Llanwern steelworks (hereafter referred to as the 'Site'). The Site is proposed to be developed for residential use.
Site Location and Description	The Site covers approximately 4.70 hectares and is located within the Glan Llyn development at the former Llanwern Steelworks, approximately 5.3km to the east of Newport at National Grid Reference 336106E, 186676N. The Site is irregular in shape and presently comprises an area used for storage of materials originating from the wider Llanwern Site.
History	Historically, the Site is shown to comprise part of five open fields, segregated by reens and trees, until 1967 where the Site formed part of Llanwern Steelworks. Following construction of the steelworks, the Site comprised a wetland area with drains, marshland and a small pond. A conveyor was located on the western side of the Site and access tracks were positioned to the east of the conveyor; open space occupied the eastern side of the Site. As the steelworks expanded a sinter plant was constructed on the site alongside associated structures, conveyors, tracks and a chimney. The Site was partially demolished by 2006 and completed demolished to slab level by 2009.
Geology / Ground Conditions	The 2018 ground investigation generally found the Site to be underlain by Made Ground from ground level or underlying tarmac surfacing in all 46 locations to depths of between 0.43m to 3.30m. Superficial Tidal Flat Deposits were encountered beneath the Made Ground in 38 locations from depths of between 1.50m and 3.30m; the base of the formation was not encountered, but the strata was recorded to depths of up to 3.40m. The Mercia Mudstone Group was not encountered. Hydrocarbon odours/ tar spots were encountered in two locations in the Made Ground from depths ranging from 1.15m to 1.55m. Buried obstructions such as piles, slag, concrete or asphalt were encountered in 14 locations between 0.15m to at least 1.95m. Perched water was encountered within the Made Ground or surface of the Superficial Deposits in 37 locations between 0.85m and 2.30m. Regional groundwater was not encountered in the exploratory holes within Phase 4G. However, as reported in the CWDQRA for the wider Site, groundwater is present beneath the Site as perched water within the Made Ground, or regional groundwater within the Tidal Flat Deposits (confined to the basal sand layers) and Mercia Mudstone.
Hydrology and Hydrogeology	The Mercia Mudstone Group is classified as a Secondary B Aquifer. The Tidal Flat Deposits are classified as Secondary (Undifferentiated) Aquifer.

	The nearest surface water feature is the Central Lake and East Lake located adjacent to the northern Site boundary. The Site lies within an area shown as having a Low Flood Risk from Sea according to Natural Resources Wales Flood Risk mapping.
Controlled Waters	With regard to controlled waters, the following pathways are considered applicable to the Site, following completion of the development and once relevant approvals have been granted to allow discharge into Monks Ditch: ▪ Leaching of soil-borne contamination in Made Ground and subsequent lateral migration through permeable pathways in Made Ground to Monks' Ditch via onsite reens; and ▪ Newly created preferential pathways associated with the redevelopment of the Site e.g. foundations and infrastructure. As such, it is recommended that a Detailed Controlled Waters Risk Assessment is undertaken.
Contamination	140 soil samples were collected during the 2018 ground investigation for contamination testing, all of which were taken from the Made Ground. The samples collected were conservatively assessed against LQM/ CIEH 2015 S4ULs (Suitable for Use Levels) for a residential end use with plant uptake (1% SOM). Chemical analysis has identified some exceedances of arsenic, mercury, nickel, vanadium, aliphatic TPH >C8-C10, aromatic TPH >C10-C12, aromatic TPH >C12-C16, benzene, benzo[a]anthracene, benzo(b)fluoranthene, benzo(a)pyrene and dibenzo(a,h)anthracene. Asbestos was identified within eight of the 60 soil samples tested in the form of debris or loose fibres at concentrations of <0.001% to 0.0191%.
Ground Gas and Radon	No gas monitoring has been undertaken within Phase 4G. A programme of shallow gas monitoring is recommended following turnover and earthworks reengineering. The Site is located within a radon affected area, with 1-3% of properties being above the action level. As such, the site is in a radon effected area but no radon protection measures are likely to be required in the construction of the new development.
Recommendations	Following the completion of the ground investigation the following recommendations have been made: ▪ Turnover of the Made Ground to natural geology with removal of obstructions. ▪ Compaction and reengineering of materials in accordance with the approved Remediation Strategy to an appropriate specification to achieve the required formation level. ▪ Chemical and geotechnical validation of the placement of material following turnover. ▪ A programme of shallow gas monitoring and assessment is recommended following the turnover and reengineering of the earthworks. ▪ Concrete classification testing should be undertaken in accordance with BRE Special Digest 1.

	▪ Phase-specific geotechnical assessments relating to the proposed development. ▪ Removal of identified hotspot contamination on a grid square basis, and subsequent validation testing and reporting. ▪ Construction of buildings and hardstanding with suitable construction materials to break the pathway with underlying Made Ground, to intercept rainwater and to reduce infiltration. ▪ A 600mm clean cover system, suitable for a residential with plant uptake end use, will be required in areas of residential gardens and landscaping. ▪ Preparation of a Detailed Quantitative Controlled Waters Risk Assessment to assess the risk posed to controlled waters within the future development and inform the Remediation Strategy.
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1.0 Introduction

1.1. Terms of Reference

Rodgers Leask Ltd (RLL) was commissioned by Revantage Real Estate Ltd to prepare a combined Desk Study and Phase 2 Geo-Environmental Interpretative Report for Phase 4G of the Glan Llyn development in Newport (hereafter referred to as the 'Site').

The Site is situated within the ongoing redevelopment of the former Llanwern Steelworks. The Site location plan is shown on Drawing 18669-RLL-22-XX-DR-O-0388, included in **Appendix A**.

In July 2024 the Client, St Modwen Developments were rebranded to be called Revantage Real Estate. Any reference to the previous company name in this report should be referred to accordingly.

1.2. Proposed Development

It is understood that the Site is proposed to be redeveloped for a residential end use. An illustrative masterplan (ref. 8111-08-A011, dated April 2019) is available in **Appendix A**.

The development will form part of the wider Glan Llyn development.

1.3. Purpose

This report has been prepared to support the discharge of Planning Condition 27 of the Outline Planning Permission Reference 06/0471 for the proposed development of residential development Phase 4C as part of a wider mixed-use development at Llanwern, Newport.

Planning Condition 27 states the following.

“(27) Prior to the commencement of each phase of development as defined by Condition 03 (or at such other date or stage in development or for such specified activities or works as may be agreed in writing with the Local Planning Authority), the following components of a scheme to deal with the risks associated with contamination relating to that phase or activity shall each be submitted to and approved, in writing, by the Local Planning Authority:

- (1) A preliminary risk assessment which has identified:*
 - (a) all previous uses;*
 - (b) potential contaminants associated with those uses;*
 - (c) a conceptual model of the site indicating sources, pathways and receptors;*
 - (d) potentially unacceptable risks arising from contamination at the site.*

(2) A site investigation scheme, based on (1) to provide information for a detailed assessment of the risk to all receptors that may be affected, including those off site.

(3) The site investigation results and the detailed risk assessment (2) and, based on these, an options appraisal and remediation strategy giving full details of the remediation measures required and how they are to be undertaken.

(4) A verification plan providing details of the data that will be collected in order to demonstrate that the works set out in (3) are complete and identifying any requirements for longer term monitoring of pollutant linkages, maintenance and arrangements for contingency action. Any changes to these components require the express consent of the Local Planning Authority.

Reason: To ensure that the proposed development will not cause pollution of the environment or harm to human health."

The scope of this report is detailed in Section 1.4 below. It is considered that this report addresses the requirements of Condition 27 part 1 and 2. Part 3 and part 4 will be addressed in future reporting including a Remediation Strategy and Validation Report.

1.4. Objectives

The objectives of this report were to:

- Obtain desktop information to assist in the assessment of potential environmental and ground related issues that may have implications for the proposed development.
- Review the available information to determine the anticipated ground conditions and identify the potential for contamination to be present within the Site boundary.
- Present the findings of the ground investigations undertaken to date, providing an indication of the nature and extent of any contamination within the Site.
- Produce a Conceptual Site Model for the site using the findings of the desktop study and ground investigation works.
- Make recommendations for remedial actions, where required, to mitigate unacceptable risks.

1.5. Scope

In order to achieve the outlined objectives, the scope of the study comprised:

- A review of existing geo-environmental data for the Site including a review of historical maps and existing ground investigation data.
- A site visit/ walkover survey.
- Undertake an intrusive ground investigation, including chemical and geotechnical laboratory testing.
- An assessment of the levels of contamination present within the soils on Site based on the results of laboratory testing of samples collected during the investigation.

1.6. Sources of Information

The following documents and data sources have been reviewed in preparation of this Desk Study & Phase 2 Geo-Environmental Interpretative Report and should be read in conjunction with it:

Landmark Envirocheck Report

- Landmark Envirocheck Report, Historical Map Pack (**Appendix C**).
- Landmark Envirocheck Report, Datasheet. 30488531_1_1, dated December 2022 (**Appendix D**).

It should be noted that the Landmark Envirocheck Report includes the Site area as well as the adjacent Phase 4E and Phase 4C (Drawing 8111-08-A011).

1.7. Limitations and Confidentiality

All conclusions and recommendations made within this report are based upon and limited to the factual information obtained as part of this investigation. No responsibility can be taken by RLL for information obtained by third parties and it has been assumed that all third-party information provided is true and correct.

No liability can be accepted for conditions not revealed within the exploratory holes or pits undertaken by this investigation. The exploratory points cover only a small proportion of the total site area. RLL has where necessary undertaken extrapolation between locations and no responsibility can be taken for different conditions which may occur between locations.

RLL has undertaken the work in accordance with our understanding of current best practice at the time of undertaking the report. Further assessment and revision of the report may be required should new information come to light or legislation/ changes to best practice be introduced after the date of issue of the report.

RLL has prepared the report for the sole use and reliance of the Client. The report may not be used or relied upon by any unauthorised third party without the explicit written agreement of RLL.

The interpretive work undertaken within this report remains the intellectual property of RLL and must not be divulged to any commercial third party without prior written agreement of RLL.

At the time of writing, detailed information on the proposed structures, such as detailed layout, loadings and serviceability limits, was not available. Accordingly, where geotechnical design advice is provided it is for information only and should be reassessed by a competent specialist once the development layout and structural loadings are known.

2.0 Site Location and Description

2.1. Site Location

The Site is located within the Glan Llyn development at the former Llanwern Steelworks, approximately 5.3km to the east of Newport City Centre, at approximate National Grid Reference 336106E, 186676N. The wider Glan Llyn development covers approximately 250 hectares and is proposed to be redeveloped for residential, commercial and open space use. The Site location plan is included on Drawing 18669-RLL-22-XX-DR-O-0388 in **Appendix A**.

The Site is irregular in shape, covers an area of approximately 4.70ha and is located in the approximate centre of the wider Glan Llyn development. The Site historically housed part of a sinter plant along with associated infrastructure and various conveyors and pipelines, in addition to roads and an open space area. Drain 3, a historical below ground box culvert, was located on the western side of the Site orientated north-south. The Site currently comprises an area used for the stockpiling of materials from the wider Glan Llyn Site.

The Site boundary is shown on drawing 18669-RLL-22-XX-DR-O-0388, **Appendix A**.

2.2. Site Boundaries and Surrounding Area

The Site is bounded on all sides by the wider undeveloped Glan Llyn development site. To the north of the Site is the proposed East Lake with Sports Pitches and Phase 4B & 5D beyond. To the east is Phase 4E, to the south is Phase 4H and to the west is Phase 4C and the proposed Central Lake.

There are no physical boundaries between the Site and the wider undeveloped Glan Llyn development.

2.3. Site Walkover

Numerous site walkovers were conducted between 2020-2022 by an RLL Engineer as part of the wider development. The purpose of the site walkovers was to provide a general description of the Site. Copies of relevant photographs are included in **Appendix B**.

At the time of the most recent walkover, the Site had been demolished to slab level and housed approximately twelve stockpiles of material originating from the wider Llanwern site. A concrete processing and stockpiling area was present on the central part of the Site. Numerous tracks and temporary haul routes were present across the Site, connecting the stockpiles and concrete processing area to the wider site.

Drain 3, a historical below ground box culvert associated with the steelworks, was present orientated north to south in the western part of the site. This culvert had been daylighted prior to the walkover.

With the exception of a few overgrown stockpiles and vegetation on the banks of Drain 3, very little vegetation was present on the phase.

2.4. Site History - Ordnance Survey Maps

Historical Ordnance Survey maps have been assessed to identify former land uses at the Site and the surrounding area. Records have been obtained from a Landmark Envirocheck Report commissioned for Site in 2022 (**Appendix C**).

Map Date	Site Feature	Adjacent Features
1886 – 1887 OS	The Site exclusively comprised part of five open fields, segregated by reens and trees. Ellens Reen is shown, orientated approximately northwest to southeast, positioned on the southwestern Site boundary. Middle Reen crosses the centre of the Site in an approximate northwest to southeast orientation.	Surrounding land is characterised by open agricultural fields segregated by reens and trees. Three parallel reens are shown adjacent to the west of the Site. The central main watercourse (Ellen Reen), with connected field drains to the east and west (including Middle Reen), is shown to flow in a southerly direction. Collectively this system is labelled Kings Wall. Monks Ditch; which forms part of Black Wall is shown approximately 400m east. Decoypool Farm and the associated Decoy Pool (marshy pond) are located from approximately 200m north of the Site A footpath with various foot bridges runs from Decoypool Farm in a north easterly direction towards Llanwern Station which is approximately 750m north east. The mainline railway (Great Western Railway), orientated east to west, runs 600m north of Site at its closest point. Various farms and residential properties are shown within 1km (Monkspill Cottage 750m north east, Pwll-pan 1km northwest, Tatton Farm 1km southwest, New House 1km southeast).
1902 OS	Little significant change is observed within the Site, with the exception of the absence of trees indicated on the field boundaries.	Decoy Pool is renamed Old Decoy Pool. Little significant change is observed within 1km.
1922 OS	Little significant change. Ellens Reen and Middle Reen are indicated to have southeasterly flow direction.	Llanwern lime Works and Goods Shed located from 750m north. Little significant change is observed within 1km.
1938 – 1954 OS	No significant change.	Llanwern Golf Club is shown to the north of the Great Western Railway line.
1954 OS	No significant change.	Roman Burials (found AD 1925) indicated to the west of Llanwern Golf Club. Little significant change is observed within 1km.

Map Date	Site Feature	Adjacent Features
1965 OS	No significant change.	Little significant change is observed within 1km.
1973 OS	The Site is shown to form part of the Llanwern Steelworks. Much of the site shown as a wetland area with drains, marshland and a small pond. A conveyor crossed the western part of the Site, orientated north to south. A track ran parallel to the east of the conveyor. The eastern side of the Site comprised open space.	Mapping shows the surrounding area to comprise the Spencer Steelworks (later known as the Llanwern Steelworks). Within the steelworks, land to the north comprised travelling booms, chimneys, hoppers, tanks, and other infrastructure associated with the coking works. Land to the northeast comprised infrastructure associated with a sinter plant. Within 50m east of the site railway sidings are shown, with conveyors and an ore stockyard beyond. To the west was the ore stocks alongside associated conveyors, travelling booms and roadways. To the south of the site was tanks and infrastructure associated with the benzole refinery.
1981 – 1989 OS	The Site has evolved as the steelworks expanded, replacing the wetland, marshy area with a sinter plant and associated structures, conveyors, tracks and a chimney occupying the northern half of the Site.	The railway sidings are no longer shown to the east of the Site, with roads/ tracks marked in their place. Some additional structures are indicated to the south of the Site associated with expansion of the benzole refinery 100m south. Expansion is shown to the benzole plant approximately 150m to the north of the site with additional tanks and structures shown. Little significant change is evident to the west, south and east of the Site, with some expansion shown in the ore stockyard to the west.
1999 OS	Little significant change.	Little significant change.
2006 OS	Little significant change.	Infrastructure associated with the Llanwern Steelworks to the west and south of the Site has been demolished, leaving open space in its place. Little change is shown to the Llanwern Steelworks infrastructure to the north and east.

Map Date	Site Feature	Adjacent Features
2022 OS	Infrastructure associated with the Llanwern Steelworks has been demolished within the Site, leaving open space in its place.	A residential area associated with the Glan Llyn development is shown from 100m west. Notable features include Glan Llyn West Primary School, numerous residential houses with private gardens, numerous roads, recreational park areas and an updated surface water drainage network. Four new commercial units, a surface water drainage network and access roads are shown from 200m west associated with the Celtic Business Park. The land surrounding the north, east and south of the Site is characterised by open space where infrastructure associated with the former steelworks has been demolished.

2.5. Site History – Aerial Photographs

Historical aerial photography included in the Landmark Envirocheck Report and photography from other sources provides additional information relating to the Site (**Appendix C**).

1947: Low resolution black and white photography shows the Site to comprise fields used for agricultural purposes, Ellens Reen and Kings Wall reen system is visible to the west. Decoy Pool and Decoypool Farm are identifiable to the north of the Site.

2001: Low resolution colour photograph. Two large conveyors extend across the western half of the Site and the sinter plant is shown in the central area of the site with associated structures, conveyors and chimney. A large stockpile is indicated on the southern part of the Site.

2004: High resolution, colour aerial imagery shows much of the Site and the surrounding area to have been demolished to slab level. In the centre of the Site, the chimney and factory buildings associated with the historical sinter plant remain. The southern half of the Site is shown to have organised piles of demolition materials. A building remains standing on the northwest corner of the Site.

2006: High resolution, colour aerial imagery shows the majority of the Site to be demolished to ground level with the outlines of the building slabs visible. One building remains standing on the northwest corner of the Site.

2015: High resolution, colour aerial imagery shows approximately five stockpiles comprising material from the wider earthworks operation to be located on the eastern half of the Site. On the western side of the Site, a historical below ground box culvert is shown to have been daylighted (known as Drain 3), a spur of the drain extends towards the centre of the Site.

2018: Moderate resolution, colour aerial imagery shows approximately six stockpiles across the centre of the Site. A haul route is shown on the eastern side of the Site,

orientated north to south and Drain 3 is located on the western side of the Site. Ongoing development is evident associated with Glan Llyn to the west and Celtic Business Park to the east.

2020: High resolution, colour aerial imagery shows numerous stockpiles across the Site. Haul routes are shown surrounding Drain 3 on the western side of the Site and around the various stockpiles. Some vegetation is visible surrounding Drain 3 and on a few of the stockpiles.

2.6. Site History - Available Information

According to the Royal Commission on the Ancient and Historical Monuments of Wales¹, the Llanwern Steelworks were built between 1958 and 1962 for Richard & Thomas Baldwin, was subsequently owned by British Steel, and is currently owned by Tata Steel Europe (formerly known as Corus Group). Reportedly due to the lack of a deep-water iron ore unloading terminal, the Steelworks struggled and steel making ceased in 2001 with demolition commencing in 2004.

Blueprints and a Historical Site Layout Plan of the wider Llanwern Steelworks site indicates that the Site comprised the 'C Sinter Plant'. Within the sinter plant various infrastructure is shown including sinter bins, coke cutting plant, a rod mill, a precipitator, return fines plant and control room. Surrounding the sinter plant were various accessways and haul routes, an ore stockyard to the south and various conveyors.

The routing of Drain 3 (a below ground box culvert) is shown in the western part of the Site.

The historical overlays of the Site are shown on drawings 18669-RLL-22-XX-DR-O-0363, 18669-RLL-22-XX-DR-O-0364 and the original Operational Site Layout drawing (ref. 839181, dated December 1999), included in **Appendix A**.

¹ <https://coflein.gov.uk/en/site/86821/>

3.0 Ground Conditions and Mining Review

3.1. Published Geology

Information pertaining to the underlying ground conditions at the Site has been obtained via the BGS Onshore Geoindex².

The published geological information shows the Site to be void of Made Ground. However, due to the Site's history, Made Ground is known to be present associated with the previous development and subsequent demolition.

Superficial deposits are shown to comprise Tidal Flat Deposits.

Tidal Flat Deposits are described by the BGS as *'unconsolidated sediment, mainly mud and/ or sand. They may form the top surface of a deltaic deposit. Normally a consolidated soft silty clay, with layers of sand, gravel and peat.'*

The underlying bedrock is shown to be the Mercia Mudstone Group.

The Mercia Mudstone Group is described by the BGS as comprising *'predominantly red, less commonly green-grey, mudstones and subordinate siltstones with thick halite bearing units in some basinal areas. Thin beds of gypsum/anhydrite are widespread; sandstones are also present'*.

There is an inferred fault approximately 900m northeast of the Site which trends roughly north to south and extends northwards away from Site.

3.2. BGS Borehole Records

The nearest non-confidential BGS borehole record is located approximately 20m south of the Site. Record ST38NE/8 was drilled to 30.50m and encountered topsoil to 0.10m, overlying Tidal Flat Deposits which comprised layers of soft blue clay to 1.67m, brown fibrous peat to 9.45m. Underlying the Tidal Flat Deposits from 9.45m to 30.50m was the Mercia Mudstone Group, comprising firm reddish brown clay marl becoming firmer with depth.

3.3. Mining History

The Site does not lie in a coal mining reporting area, as defined by the Coal Authority.

There are no records relating to historical mining or extraction activities within 500m of the Site (**Appendix D**).

² <http://mapapps2.bgs.ac.uk/geoindex/home.html>

3.4. Railway and Tunnel Features

Information presented in the Landmark Envirocheck report (**Appendix D**) indicates that there are no railways, underground railways or tunnels present within 250m of the Site boundary.

However, it is known that railway sidings and tunnels were present throughout the wider Llanwern Steelworks during its history. The historical review identified railway sidings within 50m to the east.

3.5. Radon

Information available from the 'UK Maps of Radon'³ interactive map, shows the Site to lie within a radon affected area, where the maximum radon potential is 1-3%. As such, the Site is in a radon effected area but no radon protection measures are likely to be required in the construction of the new development.

3.6. Potential for Ground Stability Hazards

The Site has been given the following BGS classifications with regards to ground stability hazards (**Appendix D**):

- Potential for Collapsible Ground Stability Hazards: **No Hazard**
- Potential for Compressible Ground Stability Hazards: **Moderate**
- Potential for Ground Dissolution Stability Hazards: **No Hazard**
- Potential for Landslide Ground Stability Hazards: **Very Low**
- Potential for Running Sand Ground Stability Hazards: **Moderate**
- Potential for Shrinking or Swelling Clay Ground Stability Hazards: **Low**

3.7. Hydrogeology

Information presented in the Landmark Envirocheck Report (**Appendix D**) indicates that the underlying Mercia Mudstone Group strata is defined as a Secondary B Aquifer and the superficial Tidal Flat Deposits are defined as Unproductive Strata.

Secondary B Aquifers are classified as comprising '*predominantly lower permeability layers which may store and yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifer*'.

Unproductive Strata classification has been given to cases where '*rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow*'.

There are no records relating to groundwater abstraction licences for the Site.

³ [UKradon - UK maps of radon](#)

The Site is not located within a groundwater Source Protection Zone and there are no reported Source Protection Zones within 500m of the Site boundary.

3.8. Hydrology

Information presented in the Landmark Envirocheck Report (**Appendix D**) indicates that the nearest surface water feature is located 192m north of the Site and refers to a drain that is orientated approximately east to west.

There are no active surface water discharge consents within 500m of the Site.

The Site lies within an area shown as having a Low Flood Risk from Sea according to Natural Wales Flood Risk mapping⁴ from Natural Resources Wales. The Flood risk map is presented in **Appendix E**.

3.9. Unexploded Ordnance (UXO)

Regional Unexploded Bomb Risk maps obtained from Zetica indicates that the Site is in a low-risk area for UXO. The UXO report is presented in **Appendix F**.

⁴ <https://check-your-flood-risk.naturalresources.wales/?culture=en-GB>

4.0 Regulatory Review

4.1. Authorisations and Consents

Data regarding Environment Agency and Local Authority authorisations and consents has been obtained for the Site via a Landmark Envirocheck Report (**Appendix D**) commissioned for Site in December 2022.

The Landmark Envirocheck Report contains factual information which is produced from a database of records obtained from various sources including; Local Authorities, Environment Agency (Wales Region), Natural Resources Wales and UK Health Security Agency (formerly Public Health England).

4.2. Environmental permits, incidents and registers

There are six records of Integrated Pollution Controls within 500m of the Site. The closest of which is located 172m southwest, relating to carbonisation and associated processes within the Fuel & Power Industry for Bitmac Ltd, in 1999.

There are no records of prosecutions relating to authorised processes in the vicinity of the Site.

There are nine Local Authority Pollution Prevention and Controls within 500m of the Site, the closest refers to the mineral industries under Cambrian Stone Ltd, located 143m southwest of the Site.

There is one record of Notification of Installations Handling Hazardous Substances (NIHHS) sites, located 379m east of the Site and related to B.S.C.

There are no active discharge consents within 500m of the Site.

4.3. Waste Management and Hazardous Substances

There are three records of Licensed Waste Management Facilities within 500m of the Site. The closest is 194m southwest of the Site and relates to the Englobe Wastewater Treatment Plant within the wider Glan Llyn development, operated by Englobe Regeneration UK Ltd.

There is one record for Registered Waste Treatment or Disposal Site within 500m, located 60m southwest of the Site, associated with incineration of waste produced at the Llanwern Works, operated by Bitmac Ltd.

There is one record of Control of Major Accident Hazard Sites (COMAH) located within 187m northeast of the Site, related to British Oxygen Co Ltd. A Planning Hazardous Substance Consent record is located 116m northeast of the Site, relating to British Steel for liquefied extremely flammable gas and natural gas within the wider former Llanwern Steelworks. Neither of these records are currently active.

There are two records of contemporary trade directory entries located within 500m of the Site, the nearest of which is located 364m northeast and refers to Tarmac Western Ltd, stone product manufacturers.

4.4. Landfills and Other Waste Sites

The Landmark Envirocheck Report (2021) indicates that there are no active or historical landfills recorded on the Site or within 500m of the Site boundary.

There are eight records of Potentially Infilled Land (Water) located within 500m of the Site, all relating to unknown infilled land (pond, marsh, river, stream, dock, ect.) which are thought to be associated with the reen/ drainage network which was infilled when Llanwern Steelworks was built.

4.5. Current Land Use: Industrial Data

Information presented in the Landmark Envirocheck Report (2021) indicates there are fifty-four records of Points of Interests – Manufacturing and Production points within 500m of the Site boundary, all relating to tanks, industrial features, unspecified quarries or mines and stone quarrying and preparation activities; relating to the Llanwern Steelworks or Tarmac Western Ltd.

4.6. Designated Environmentally Sensitive Areas

Reference to the Data Map Wales Website⁵ (accessed July 2025) and the Landmark Envirocheck Report (2021) indicates there is a SSSI located 220m south relating to the Gwent Levels - Nash and Goldcliff.

No further designated environmentally sensitive sites are recorded within 500m of the Site.

4.7. Archaeology

A preliminary search of the Historic Wales⁶ archaeological database (accessed July 2025) indicates no records within the Site boundary.

⁵ [New map | DataMapWales](#)

⁶ <https://historic-wales-rcahmw.hub.arcgis.com/> (accessed June 2025)

5.0 Previous Ground Investigations

5.1. Existing Reports

One ground investigation has been undertaken by Atkins between October and November 2018, which covered the Site and two adjacent phases within the wider Glan Llyn development. As part of this ground investigation, 46 trial pits were excavated within the Site area.

The following table provides a summary of the exploratory holes that were situated within the Site boundary.

Summary of Historical Exploratory Holes within the Site Boundary	
Report	Exploratory Holes
Atkins (2018)	46 Trial Pits (4C-G4, 4C-G5, 4C-G6, 4C-H1, 4C-H2, 4C-H4, 4C-H5, 4C-H6, 4C-I1, 4C-I2, 4C-I3, 4C-I4, 4C-I5, 4C-I6, 4C-I7, 4C-J1, 4C-J2, 4C-J3, 4C-J4, 4C-J5, 4C-K2, 4E-C1, 4E-C2, 4E-D1, 4E-D2, 4E-E2, 4E-B4, 4E-C4, 4E-D4, 4E-E4, 4E-E5, 4E-E6, 4E-E7, 4E-G4, 4E-F6, 4E-A8, 4G-B8, 4G-A7, 4G-B9, 4E-A7, 4E-B7, 4E-D7, 4E-C7, 4G-A6, 4G-B5 and 4G-B6)

Drawing 18669-RLL-22-XX-DR-O-0378 presented in **Appendix A** shows the location of the exploratory holes.

The historical logs within the Site boundary are presented in **Appendix G**.

5.2. Encountered Ground Conditions

The Site was generally found to be underlain by Made Ground overlying superficial deposits, shown to be Tidal Flat Deposits.

5.2.1. Made Ground - Surfacing

Surfacing of tarmac was encountered in two locations (4E-E6 & 4E-F6) from ground level to 0.10m.

5.2.2. Made Ground

Made Ground was encountered within all 46 exploratory holes. The Made Ground was encountered from ground level or underlying the surfacing at thicknesses of between 0.33m to 3.30m, and was generally described as:

- Dark brown/brown/blue/red/black/orange/light grey/purple gravelly SAND with occasional boulders and rare silt;
- Dark brown/brown/blue/red sandy clayey GRAVEL;
- Black gravelly occasionally ashy SAND with cobbles;
- Hard grey/light grey/blue/brown/yellow sandy GRAVEL with occasional cobbles and boulders of slag;

- Light brown loamy CLAY with angular gravel of brick;
- Ark grey slightly clayey gravelly SAND;
- Dark red/brown slightly sandy slightly gravelly CLAY with frequent rootlets; and
- Light yellow/grey sandy SILT.

Gravel and cobble components typically comprised concrete, brick, iron ore, slag, mudstone, coke, tarmac, siltstone, steel slag and furnace slag.

9 locations (4G-A6, 4G-B4, 4C-I1, 4C-I3, 4C-I5, 4C-K2, 4E-C1 and 4E-D2) refused at depths between 0.43m and 2.80m within slag layers/ fused slag horizons, due to very hard digging, or on concrete obstructions.

5.2.3. Superficial Deposits

Tidal Flat Deposits were encountered beneath the Made Ground in 38 locations (4G-A6, 4G-A7, 4G-B5, 4G-B6, 4G-B8, 4G-B9, 4C-G4, 4C-G5, 4C-G6, 4C-H1, 4C-H2, 4C-H4, 4C-H5, 4C-H6, 4C-I2, 4C-I4, 4C-I6, 4C-I7, 4C-J1, 4C-J3, 4C-J4, 4C-J5, 4E-A7, 4E-A8, 4E-B7, 4E-C2, 4E-C4, 4E-C7, 4E-D1, 4E-D4, 4E-D7, 4E-E2, 4E-E4, 4E-E5, 4E-E6, 4E-E7, 4E-F6 and 4E-G4). The top of the strata was encountered from depths of between 1.50m and 3.30m. The base of the formation was not encountered but the strata was recorded to a maximum depth of 3.40m.

The Tidal Flat Deposits were generally described as:

- Soft brown PEAT;
- Firm locally soft blue silty CLAY with occasional partly decomposed rootlets;
- Soft to firm blue/brown peaty silty CLAY; and
- Firm bluish grey mottled light brown and occasionally dark green and orangish brown silty CLAY.

5.2.4. Bedrock

Bedrock of the Mercia Mudstone Group was not encountered as part of the Atkins 2018 investigation of Phase 4G.

5.2.5. Perched Water

During the intrusive investigation, perched water was encountered in 37 locations, typically perched within the Made Ground, or towards the base of the Made Ground perched on top of the natural clay. The depth below ground level was recorded from 0.85m to 2.30m.

5.2.6. Encountered Buried Obstructions or Services

Buried obstructions or services were encountered in 14 exploratory locations as detailed in the following table.

Encountered Buried Obstructions			
Borehole	Depth (m)	Strata*	Remarks
4G-B4	0.95	MG	Concrete/ slag
4C-J1	0.60	MG	0.40m diameter concrete and rebar pillar
	1.95	MG	Metal sheet 0.80x0.60x0.05m
4C-J2	1.30	MG	Rebar
4C-J3	1.10	MG	Solid steel bar
4C-J4	1.60	MG	Yellow/ grey blast furnace slag
4C-J5	0.80	MG	Bundle of wires
4E-C4	0.80	MG	Boulders of slag/concrete
4E-D1	0.15	MG	Hard layer of aggregate slag/concrete/tarmac
	1.00	MG	Hard steel slag and blast furnace slag layer
4E-E7	0.35	MG	Iron ore aggregate/ pellets

Notes: *MG= Made Ground, TFD= Tidal Flat Deposits; **base of obstruction not encountered.

5.2.7. Visual/ Olfactory Evidence of Contamination

During the intrusive investigation, visual or olfactory evidence of contamination was encountered in 2 locations as detailed in the following table.

Visual / Olfactory Evidence of Contamination			
Exploratory Hole	Depth (m)	Strata*	Remarks
4E-E4	1.55	MG	Light hydrocarbon odour and small spots of tar present
4E-E7	1.15	MG	Hydrocarbon odour

Notes: *MG= Made Ground

5.2.8. Instability

Evidence of instability within the exploratory holes was not noted during the Atkins 2018 intrusive investigation.

5.3. Gas Screening

No gas monitoring was undertaken during the Atkins 2018 ground investigation. A programme of shallow gas monitoring is recommended following turnover and earthworks reengineering.

The classification of the Site will depend on the competency of the upper clay of the Tidal Flat Deposits. A site-specific ground gas assessment is recommended following the completion of the earthworks.

6.0 Chemical Testing

6.1. Risks to Human Health

6.1.1. Methodology

In order to assess the risk posed to the health of site end users, the concentrations of contaminants recorded in soils have been compared to appropriate Site Assessment Criteria (SAC). These have been derived using the Contaminated Land Exposure Assessment Model (CLEA). SACs used in this generic quantitative risk assessment, include:

- Defra Category 4 Screening Levels (C4SLs) (Defra, 2014); and
- Land Quality Management & Chartered Institute of Environmental Health (LQM & CIEH, 2015) Suitable for use levels (S4ULs).

Where C4SL or S4UL are not available for a contaminant or are not considered appropriate for the risk assessment reference has been made to the Environment Agency Soil Guideline Values (SGV), the LQM/CIEH Generic Assessment Criteria (GAC) and the Environmental Industries Commission GAC (EIC GAC).

The C4SL and EA SGV have been derived based on the CLEA default value for Soil Organic Matter (SOM) content of 6% and a sandy loam soil type. The LQM/CIEH S4UL and GAC and the EIC GAC are based on 1%, 2.5% and 6% SOM content and a sandy loam soil type.

The Site has been assessed based on a residential end use with plant uptake as defined in the Environment Agency (EA) CLEA model v1.071 'Updated technical background to the CLEA model Science Report – SC050021/SR3'.

6.1.2. Results

140 soil samples were collected during the 2018 ground investigation for contamination testing taken from the Made Ground and Superficial Deposits (Samples suffix "-V").

Samples were tested for heavy metals, polycyclic aromatic hydrocarbons (PAH), total petroleum hydrocarbon (TPH), gasoline range organics (GROs), BTEX, pH, soil organic matter (SOM), cyanide, phenols, ammoniacal nitrogen and select samples were also tested for asbestos.

The samples collected were conservatively assessed against LQM/ CIEH 2015 S4ULs (Suitable for Use Levels) for a residential end use with plant uptake (1% SOM). A summary of exceedances is presented in the following table, and the chemical analysis results are presented in full in **Appendix H**.

Summary of Exceedances of S4ULs Residential with Plant Uptake Criteria.				
Contaminant	No. of Exceedances	Location of Exceedances (Depth in m)	Exceedance Concentration Range (mg/kg)	Screening Value (mg/kg)
Arsenic	1 of 140	4G-B5-V (2.10)	141.00	37.00

Summary of Exceedances of S4ULs Residential with Plant Uptake Criteria.				
Contaminant	No. of Exceedances	Location of Exceedances (Depth in m)	Exceedance Concentration Range (mg/kg)	Screening Value (mg/kg)
Mercury	2 of 140	4E-E4 (0.50), 4E-E4 (1.00)	1.61 – 2.17	1.20
Nickel	1 of 140	4C-H6 (1.00)	238.00	130.00
Vanadium	14 of 140	4C-G4 (0.50), 4C-G4 (1.20), 4C-G4 (1.80), 4C-G5 (1.00), 4E-D4 (1.20), 4E-D4 (1.20), 4E-E5 (0.20), 4E-E7 (0.80), 4G-B8 (0.80), 4G-B9 (0.50), 4E-A7 (0.90), 4E-B7 (0.50), 4G-A6 (0.50), 4G-A6 (0.70), 4G-B5 (1.00)	416.00 – 1890.00	410.00
Aliphatic TPH >C8-C10	1 of 140	4E-A7 (0.90)	46.70	27.00
Aromatic TPH >C10-C12	1 of 140	4E-A7 (0.90)	112.00	74.00
Aromatic TPH >C12-C16	1 of 140	4E-A7 (0.90)	177.00	140.00
Benzene	133 of 140	133 Samples	<90.00 – <180.00	87.00
Benzo[a]anthracene	1 of 140	4E-E4 (1.00)	8.90	7.20
Benzo(b)fluoranthene	17 of 140	4C-I1 (0.50), 4C-I2 (0.50), 4C-J4 (1.00), 4E-D1 (1.00), 4E-D2 (0.25), 4E-D2 (1.00), 4E-C4 (0.50), 4E-C4 (1.00), 4E-D4 (1.20), 4E-E4 (0.50), 4E-E4 (1.00), 4E-E4 (1.50), 4E-E6 (0.25), 4E-E7 (0.80), 4E-G4 (0.50), 4E-G4 (1.00), 4G-B9 (0.50)	2.61 – 12.90	2.60
Benzo(a)pyrene	10 of 140	4C-I1 (0.50), 4E-D1 (1.00), 4E-C4 (1.00), 4E-E4 (0.50), 4E-E4 (1.00), 4E-E4 (1.50), 4E-E7 (0.80), 4E-G4 (0.50), 4E-G4 (1.00), 4G-B9 (0.50)	2.29 – 8.46	2.20
Dibenzo(a,h)anthracene	21 of 140	4C-I1 (0.50), 4C-J2 (0.50), 4C-J4 (1.00), 4E-C1 (0.20), 4E-D1 (1.00), 4E-D2 (0.25), 4E-D2 (1.00), 4E-E2 (0.20), 4E-C4 (0.50), 4E-C4 (1.00), 4E-D4 (1.20), 4E-E4 (0.50), 4E-E4 (1.00), 4E-E4 (1.50), 4E-E6 (0.25), 4E-E7 (0.80), 4E-G4 (0.50), 4E-G4 (1.00), 4G-B9 (0.50), 4G-A6 (0.50), 4G-B5 (1.00)	0.26 – 1.49	0.24

133 of 140 samples were shown to exceed the screening criteria for benzene. It should be noted that no samples had concentrations above the limit of detection for benzene. The detection limit for benzene tested listed by the laboratory was between 90µg/kg (126 samples) or 180µg/kg (7 samples), these are greater than the screening value of 87µg/kg (0.087mg/kg) and causes a significant skew in the results. Where samples are reported at the detection limit, for screening purposes, it has been conservatively assumed that the value is 90µg/kg or 180µg/kg. The true concentration is likely to be significantly lower than this value.

6.1.3. Asbestos

Asbestos was identified in 8 samples from the 60 analysed; a summary of the asbestos identified is given in the below table.

Summary of Asbestos Identified within the Site		
Location (Depth in m)	Asbestos Type	Quantification (%)
4C-K2 (0.50)	Amosite (Brown) Asbestos	<0.001
4E-D2 (1.00)	Chrysotile (White) Asbestos	<0.001
4E-E2 (0.20)	Chrysotile (White) Asbestos	<0.001
4E-B4 (0.50)	Chrysotile (White) Asbestos	<0.001
4E-E6 (0.25)	Chrysotile (White) Asbestos & Amosite (Brown) Asbestos	0.0191
4E-E7 (0.30)	Chrysotile (White) Asbestos	<0.001
4E-A8 (1.00)	Chrysotile (White) Asbestos	<0.001
4G-B8 (0.80)	Chrysotile (White) Asbestos	0.0028

Asbestos was identified in eight samples; all positive samples were tested to ascertain the amount of asbestos tested and returned results of <0.001% to 0.0191%. The Institute of Occupational Medicine (IOM) risk assessment report for the reuse of soils containing asbestos at Llanwern (Ref. 401134-IOM-14-XX-RP-Z-0001) states that a minimum of 0.6m of clean soil (asbestos content <0.001%) will be placed across the Llanwern site. Soil will be screened and, if asbestos contamination is less than 0.02% (200PPM) in the soil, that soil may be used in residential areas below clean cover.

6.1.4. Groundwater

No samples of perched groundwater were taken during the Atkins intrusive investigation.

Historical investigations undertaken by Atkins across the wider development have identified elevated concentration of contaminants associated with the Site's former usage that may present a risk to Controlled Waters. It is therefore considered that further assessment of the risk posed by the Site as part of the wider development should be done by preparation of a Detailed Quantitative Risk Assessment.

Due to the history of the Site, it is anticipated that further remedial works including turnover of made ground will be undertaken with post remedial monitoring of water and gas following the completion of the earthworks.

7.0 Conceptual Site Model (CSM)

This section provides a qualitative assessment of the risk posed from potential on and off-site contamination sources identified from the information presented in the previous sections. The CSM considers the findings of all ground investigations that have been undertaken at the Site.

The assessment carried out assumes that the Site will be redeveloped for a residential with plant uptake end-use, as the most sensitive of the proposed uses. Should the end use be altered, potential pathways and receptors should be re-assessed.

The conceptual site model below has been developed based on the commonly adopted source-pathway-receptor model as recommended within the Defra's Land Contamination Risk Management guidance and the Welsh Government's Contaminated Land Statutory Guidance for Wales 2012, and the Welsh Government, Natural Resources Wales & Welsh Government's Development of Land Affected by Contamination: A Guide for Developers (2017).

7.1. Potential Pollutant Linkages

7.1.1. Sources

The Site makes up part of the former Llanwern Steelworks; the Site historically comprised a sinter plant. Within the sinter plant various infrastructure was present including sinter bins, coke cutting plant, a rod mill, a precipitator, return fines plant and control room. Alongside the sinter plant there were various conveyors and pipelines, in addition to roads, an ore stockyard and an open space area.

Chemical analysis of soil samples has identified concentrations higher than the selected screening criteria for arsenic, mercury, nickel, vanadium, aliphatic TPH >C8-C10, aromatic TPH >C10-C12, aromatic TPH >C12-C16, benzene, benzo[a]anthracene, benzo(b)fluoranthene, benzo(a)pyrene and dibenzo(a,h)anthracene. Asbestos was identified in eight of the sixty soil samples tested in the form of debris to loose fibres at concentrations of <0.001% to 0.0191%.

Potential contaminant sources are summarised in the following table.

Summary of Potential On Site Sources of Contamination		
Source	Site Area	Key Contaminants
Deep Made Ground, including slag material	Whole Site	Heavy metals, PAHs
Historical Steelworks infrastructure	Whole Site	Heavy metals, PAHs, TPHs.
Made Ground	Isolated locations across the Site	Low concentrations of asbestos.
Natural Strata	Whole Site	Potential for ground gas from organic materials in the Tidal Flat Deposits Potential for sulphates and pyrites in the underlying Tidal Flat Deposits and Mercia Mudstone Group.

7.2. Potential Receptors

The following receptors (current and proposed) have been identified at the Site. Given the absence of significant ecological designations in the vicinity of the Site, ecological receptors are not considered below.

Humans:

- Construction workers and maintenance workers; and
- Residents on and off-site (current and future).

Controlled Waters:

- Mercia Mudstone Group (Secondary B Aquifer) and Tidal Flat Deposits (Secondary [Undifferentiated] Aquifer); and
- Central Lake, East Lake and associated development drainage network within 500m.

Property:

- Existing and proposed buildings and services on and immediately surrounding the Site; and
- Proposed infrastructure on the Site.

7.2.1. Potential Pathways

Human Health

There is the potential for exposure of site end users to contaminants in soils via the following pathways, based on a residential with plant uptake end use (Environment Agency, SR3):

- Direct soil and dust ingestion;
- Dermal contact with soil directly and indoor dust;
- Plant uptake followed by consumption of homegrown produce;
- Inhalation of vapours;
- Inhalation of dust; and
- Inhalation of gases.

Due to the levels of contamination encountered it is recommended that appropriate risk assessments and method statements are prepared and safety measures (use of PPE/ hygiene rules) implemented in order to provide adequate protection for construction workers.

If materials are required to be imported to Site they will have to be assessed and validated in line with the agreed import criteria and site-specific Materials Management Plan (MMP).

Radon protection measures are not required.

Controlled Waters

It is considered that due to the low permeability nature of the underlying Tidal Flat Deposits, there is no feasible pathway for vertical migration of contaminants into the underlying Mercia Mudstone Aquifer.

Currently Monks Ditch crosses the wider development within a concrete channel and no connection with the private drainage system presently exists. It is proposed that the future surface water network of reens and lakes will discharge via a pumping system into Monk's Ditch. This on-site surface water system will discharge, via a permit, into Monks Ditch once the specified quality criteria are met and the application to connect the system is approved.

Monks Ditch is not currently a receptor (it is understood to be hydraulically isolated as it flows between the Glan Llyn development and the business park the east, within a concrete channel), although it could potentially be a future receptor if surface water discharge is permitted into the Monks Ditch.

With regard to Controlled Waters, the following pathways are considered applicable to the Site, following completion of the development and once relevant approvals have been granted to allow discharge into Monks Ditch:

- Leaching of soil-borne contamination in Made Ground and subsequent lateral migration through permeable pathways in Made Ground to Monks' Ditch via onsite reens.

As such, it is recommended that a Site specific Detailed Controlled Waters Risk Assessment is undertaken.

Structures

Concrete classification testing has not been undertaken. A Design Sulphate (DS) class and Aggressive Chemical Environment for Concrete (ACEC) class should be derived for the Site in accordance with the recommendations given within BRE SD1 and based on pH and sulphate testing.

A site-specific ground gas assessment is recommended following the earthworks. The classification of the Site will depend on the competency of the upper clay of the Tidal Flat Deposits.

7.2.2. Preliminary Remediation Assessment

The Site has previously undergone one phase of ground investigation and remedial earthworks are proposed.

A preliminary assessment of remedial works has been undertaken based on information from the ground investigation on the Site. The preliminary assessment indicates that the provision of clean cover is likely to make the Site suitable for human health but some material is anticipated to be removed to render the site suitable in terms of risk to controlled waters. Material will be assessed and where necessary excavated, removed, processed, replaced and excavations validated to show compliance with the Remediation Strategy. The installation and validation of gas

mitigation measures may be required following completion of the site-specific ground gas assessment.

7.2.3. Proposed Mitigation

The proposed remedial approach is to remove unsuitable material based on the grid of testing and turnover the Made Ground to natural geology. Based on the results of chemical testing, the Made Ground is not suitable for reuse at shallow depths within the residential plot but is likely to be suitable for use as part of the reengineered formation beneath 600mm of clean cover.

Construction of buildings and hardstanding with suitable construction materials to break the pathway with underlying Made Ground, to intercept rainwater and to reduce infiltration through to Controlled Waters is recommended. Due to the cohesive nature of the Tidal Flat Deposits, deep foundation solutions that may be utilised, such as driven pile, are not considered likely to create a new pathway, due to the clay acting as a seal around the pile.

It is considered that the contamination risk associated with the Site is negligible provided the following actions are undertaken:

- Excavation and re-engineering of Made Ground to natural clay and removal of unsuitable material and buried obstructions;
- Practical measures to identify, remove and validate the absence of gross contamination and known and potential obstructions on a grid square basis, and subsequent validation testing and reporting;
- Treatment or off-site disposal of impacted soils (where required);
- Compaction and reengineering of materials in accordance with the approved Remediation Strategy to an appropriate specification to achieve the required formation level;
- Chemical and geotechnical validation of the placement of material following turnover;
- Site-specific geotechnical assessment relating to the proposed development;
- A 600mm clean cover system, suitable for a residential with plant uptake end use, will be required in areas of residential gardens and landscaping;
- With respect to asbestos, a minimum of 600mm of clean soil (in accordance with Llanwern Asbestos Risk Assessment prepared by IOM) will be placed across the Llanwern site. Made Ground material will be screened and, if asbestos contamination is less than 0.02% (200PPM) then it may be used in residential areas below the clean cover. The materials used in the preparation of the site will be recorded in a validation report assessing compliance with the approved criteria;
- A Design Sulphate (DS) class and Aggressive Chemical Environment for Concrete (ACEC) class should be derived for the Site in accordance with the recommendations given within BRE SD1 and based on pH and sulphate testing; and

- A programme of shallow gas monitoring is recommended following the turnover and reengineering of the earthworks to discern whether protective measures are needed with proposed buildings.

Assuming the above measures are implemented, it is considered that there will be negligible risk posed to human health post-development. The risk to Controlled Waters should be further assessed to determine if additional works are required to protect Controlled Waters receptors post-development. A formal Remediation Strategy and Detailed Controlled Waters Risk Assessment should be prepared and agreed with Natural Resources Wales (NRW) and Local Authority (LA).

8.0 Geotechnical Testing

8.1. Sampling and Testing

Geotechnical sampling was undertaken by an Atkins Engineer during the 2018 ground investigation.

Samples collected on Site were sent for geotechnical laboratory testing, which were undertaken in accordance with BS1377:1990. Laboratory testing was undertaken by Celtest and included the following:

Summary of Geotechnical Testing Undertaken on Samples	
Test	Number of Samples Tested
Moisture Content	43
Particle Size Distribution by Wet Sieve	33
Compaction Using 4.5kg rammer	39
Total Expansion BRE Tests	39

The above testing provided results to show the principal geotechnical properties of the major geological units identified during the ground investigation. A summary of the geotechnical laboratory results is presented in the following sections and the laboratory data is included within **Appendix I**.

8.2. Classification Testing

8.2.1. Natural Moisture Content

39 compaction tests (4.5kg rammer) were undertaken on samples of Made Ground and recorded an optimum moisture content for the Made Ground of between 5.0% and 18.0%.

Moisture content tests were undertaken on 43 samples and recorded water content between 6.7% and 45.6%.

8.2.2. Material Grading and Classification

Particle size distribution tests were undertaken on 33 samples of the Made Ground on Site. The results of the particle size distribution tests on the Made Ground indicate the material can be generally described as a slightly clayey sandy gravel with occasional cobbles, falling into Class falling into Class 1A & 1B – General Granular Fill⁷. This grading of material, when compacted/ reengineered, is likely to have limited permeability (approximately 10^{-7}), classed as poor draining soils and therefore inhibiting the downward migration of infiltrated rainwater into the Made Ground.

⁷ Series 600 Earthworks, Manual of Contract Documents for Highway Works - Volume 1, Specification for Highway Works, Amendment February 2017.

8.3. BRE Total Expansion Tests

39 samples were scheduled for testing in accordance with BRE 481 Part B - Appendix B to determine the expansion of steel slag (over 28 days at 80°C) and recorded a total expansion of -0.4% to 10.1%. It is worth noting that the BRE test is a conservative test crushing material >20mm and placing it in a bath of water at 80°C for 28 days.

According to the RLL Technical Note (ref. 17480-RLE-18-XX-RP-O-001, dated March 2018) Geotechnical Guidance for Reuse of Made Ground Containing Slag, the guideline average expansion value considered to be acceptable is 2.5%.

Of the 39 samples tested, the mean value recorded was 1.16%; and only five samples (4C-J1, 4E-B4, 4E-D4, 4E-E6 and 4G-B6) produced results over 2.5%, with expansion values of 2.7% to 10.10%.

A full copy of the results are included in **Appendix I**.

9.0 Conclusions and Recommendations

9.1. Conclusion

The Site is located within the Glan Llyn development at the former Llanwern Steelworks, approximately 5.3km to the east of Newport City Centre, at approximate National Grid Reference 336106E, 186676N. The Site is irregular in shape, covers an area of approximately 4.70ha, and is located in the approximate centre of the wider Glan Llyn development. It is understood that the Site is proposed to be redeveloped for a residential end use.

Historically, the Site comprised part of five open fields, segregated by reens and trees, until 1967 when the Site formed part of Llanwern Steelworks when the Site comprised a wetland area with drains, marshland and a small pond. A conveyor was located on the western side of the Site and access tracks were positioned to the east of the conveyor, open space occupied the eastern side of the Site. As the steelworks expanded a sinter plant was constructed on the site alongside associated structures, conveyors, tracks and a chimney. The Site currently comprises an area used for the stockpiling of materials from the wider Glan Llyn Site.

The 2018 Atkins ground investigation comprised 46 trial pits within Phase 4G with perched water encountered within the Made Ground in 37 locations.

General Made Ground was encountered within all 46 exploratory holes from ground level or underlying tarmac surfacing to depths of between 0.43m to 3.30m. Superficial Tidal Flat Deposits were encountered beneath the Made Ground in 38 locations from depths of between 1.50m and 3.30m; base of the formation was not encountered, but the strata was recorded to depths of up to 3.40m. The Mercia Mudstone Group was not encountered.

Regional groundwater was not encountered in the exploratory holes within Phase 4G. However, investigations across the wider development have identified that groundwater is present as perched water within the Made Ground (shallow boreholes) or groundwater within the Tidal Flat Deposits (confined to the basal sand layers) and Mercia Mudstone (deep boreholes).

Hydrocarbon odours/ tar spots were encountered in two locations in the Made Ground from depths ranging from 1.15m to 1.55m. Given the low number of locations at which evidence of hydrocarbon contamination was identified, the presence of gross contamination, unsuitable for retention within the development is considered unlikely. This is further supported by only limited elevated speciated hydrocarbons within soils samples.

Buried obstructions such as piles, concrete, or asphalt were encountered in 14 locations between 0.15m to at least 1.95m.

140 soil samples were collected and scheduled for analysis within the Made Ground and Superficial Deposits. The samples collected were conservatively assessed against LQM/ CIEH 2015 S4ULs (Suitable for Use Levels) for a residential end use with plant uptake (1% SOM). Chemical analysis has identified some exceedances of arsenic, mercury, nickel, vanadium, aliphatic TPH >C8-C10, aromatic TPH >C10-

C12, aromatic TPH >C12-C16, benzene, benzo[a]anthracene, benzo(b)fluoranthene, benzo(a)pyrene and dibenzo(a,h)anthracene.

Asbestos was identified in eight soil samples and were recorded with concentrations of <0.001% to 0.0191%. In accordance with the IOM report soils with these concentrations are considered suitable for reuse.

No water sampling has been undertaken within the Site as part of the 2018 Atkins investigation. Ground investigations undertaken across the wider development have identified elevated concentrations of contaminants that may potentially present a risk to Controlled Waters.

A Site-specific ground gas assessment is recommended following the earthworks, comprising a programme of shallow ground gas monitoring following the turnover of the Made Ground to natural geology and reengineering of the site won Made Ground to formation levels. The classification of the Site will depend on the competency of the upper clay of the Tidal Flat Deposits. Radon protection measures are not required

9.2. Recommendations

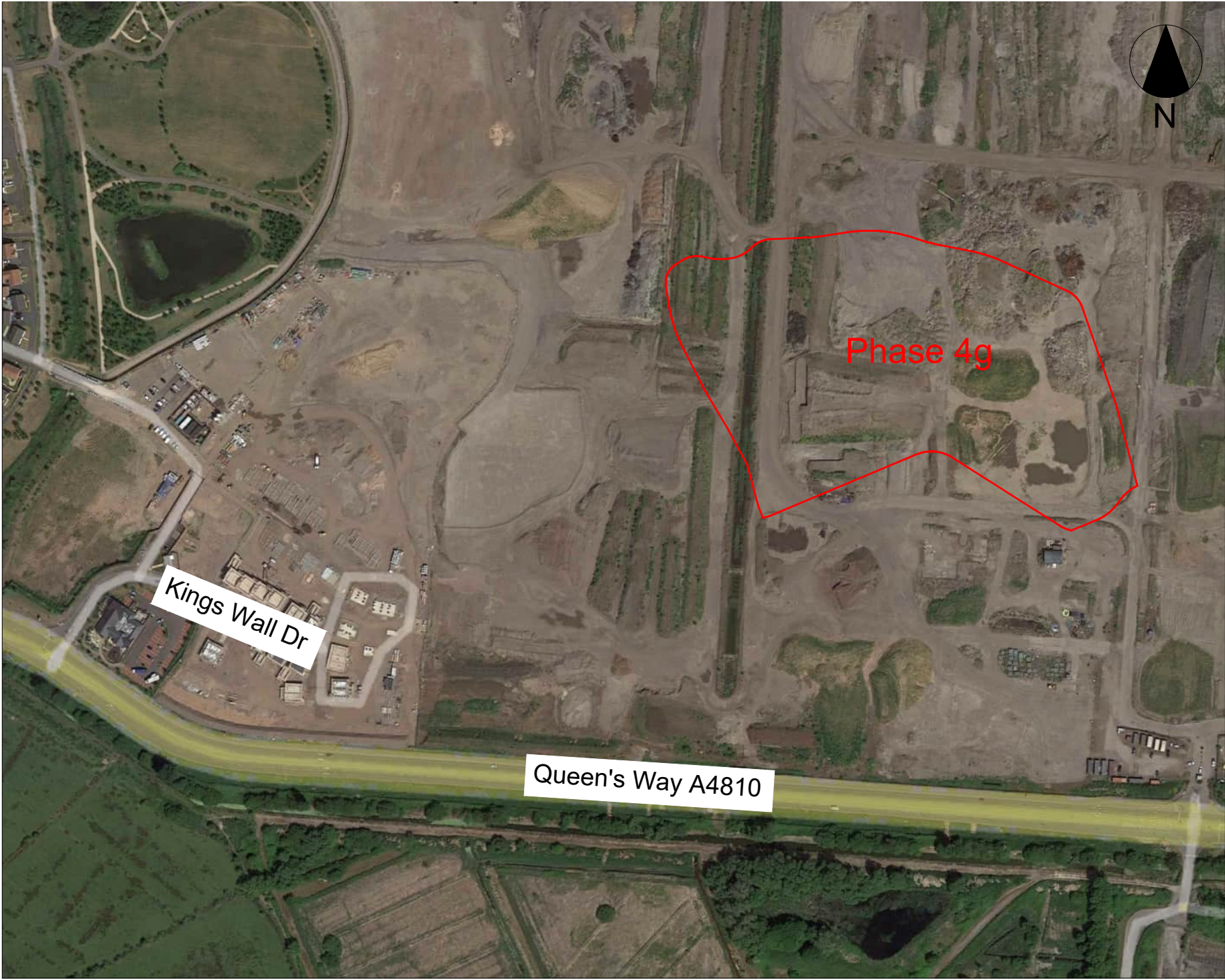
Following the completion of the ground investigation the following recommendations have been made:

- Turnover of the Made Ground to natural geology with removal of obstructions.
- Compaction and reengineering of materials in accordance with the approved Remediation Strategy to an appropriate specification to achieve the required formation level.
- Chemical and geotechnical validation of the placement of material following turnover.
- A programme of shallow gas and a vapour risk assessment is recommended following the earthworks to turnover and reengineer the Site.
- Concrete classification testing should be undertaken in accordance with BRE Special Digest 1.
- Phase-specific geotechnical assessments relating to the proposed development.
- Removal of identified hotspot contamination on a grid square basis, and subsequent validation testing and reporting.
- Construction of buildings and hardstanding with suitable construction materials to break the pathway with underlying Made Ground, to intercept rainwater and to reduce infiltration.
- A 600mm clean cover system, suitable for a residential with plant uptake end use, will be required in areas of residential gardens and landscaping.

- Preparation of a Detailed Controlled Waters Risk Assessment to assess the risk posed to controlled waters within the future development and inform the Remediation Strategy.

Appendix A

Drawings and Plans



GENERAL NOTES

NO DIMENSIONS TO BE SCALED OFF THIS DRAWING.
THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEER'S DRAWINGS.
ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
ALL LEVELS ARE IN METRES UNLESS NOTED OTHERWISE.
ANY DISCREPANCIES NOTED ON SITE ARE TO BE REPORTED TO THE ENGINEER IMMEDIATELY.

KEY:

 **Approximate Site Boundary**

Rev	Date	Amendments	By	Chk



Client
St Modwen Developments

Project
P18-669 Llanwern Reclamation

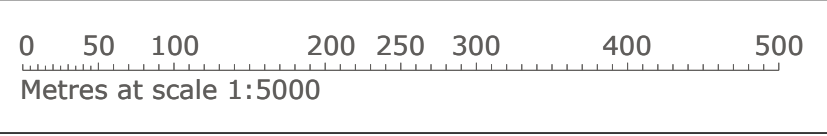
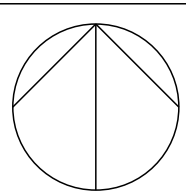
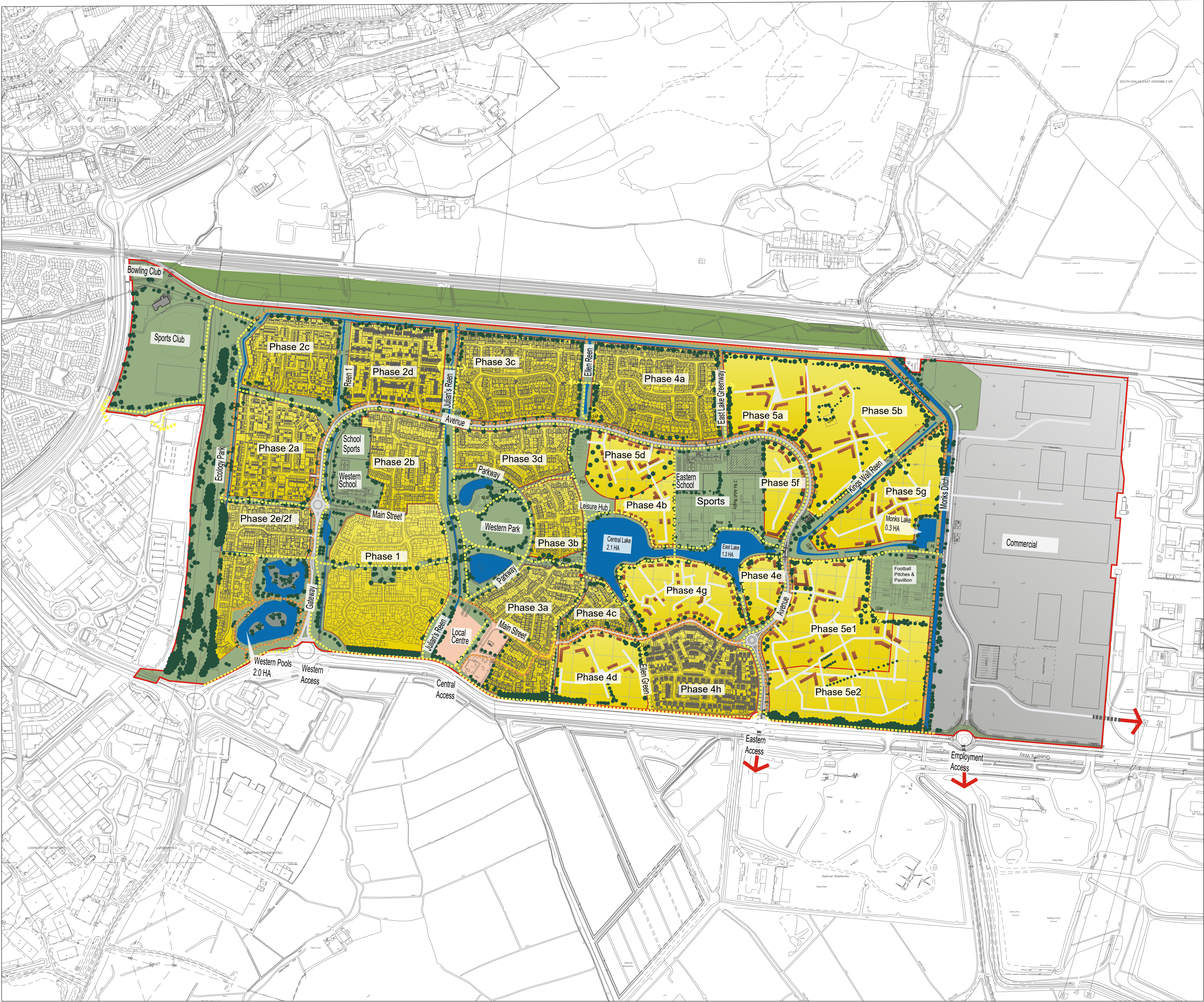
Drawing Title
**Phase 4G
Site Location Plan**

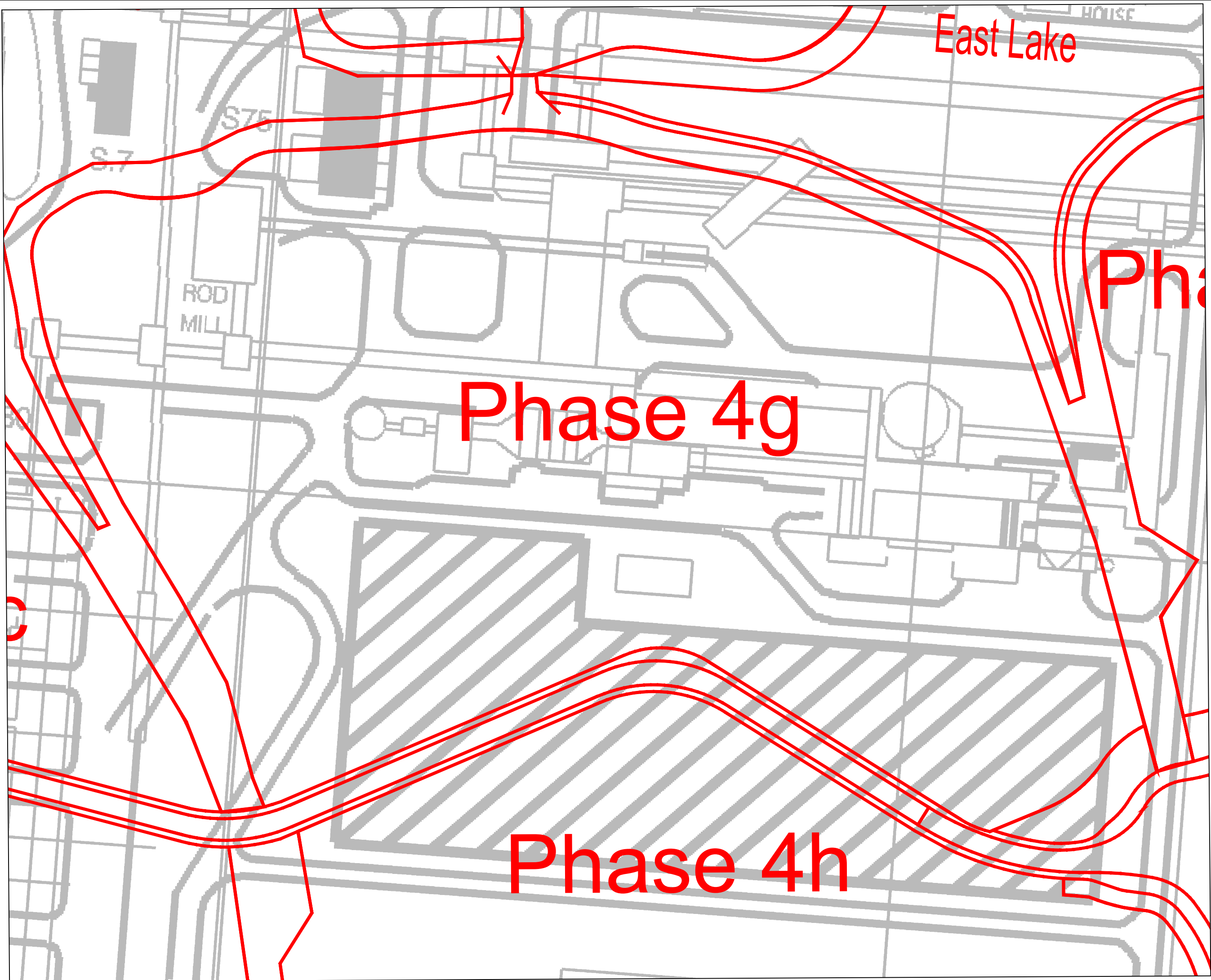
INFORMATION

Drawn	Checked	Date
1:1250 @ A1	SR	CW
		20.12.22

Drawing No.	Rev.
18669-RL-22-XX-DR-O-0388	

Glan Llyn -ESAMP Indicative Masterplan





GENERAL NOTES

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THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S AND ENGINEER'S DRAWINGS.
ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
ALL LEVELS ARE IN METRES UNLESS NOTED OTHERWISE.
ANY DISCREPANCIES NOTED ON SITE ARE TO BE REPORTED TO THE ENGINEER IMMEDIATELY.

Rev	Date	Amendments	By	Chk



Client
St Modwen Developments

Project
P18-669 Llanwern Reclamation

Drawing Title
Phase 4g
Working Site Plan

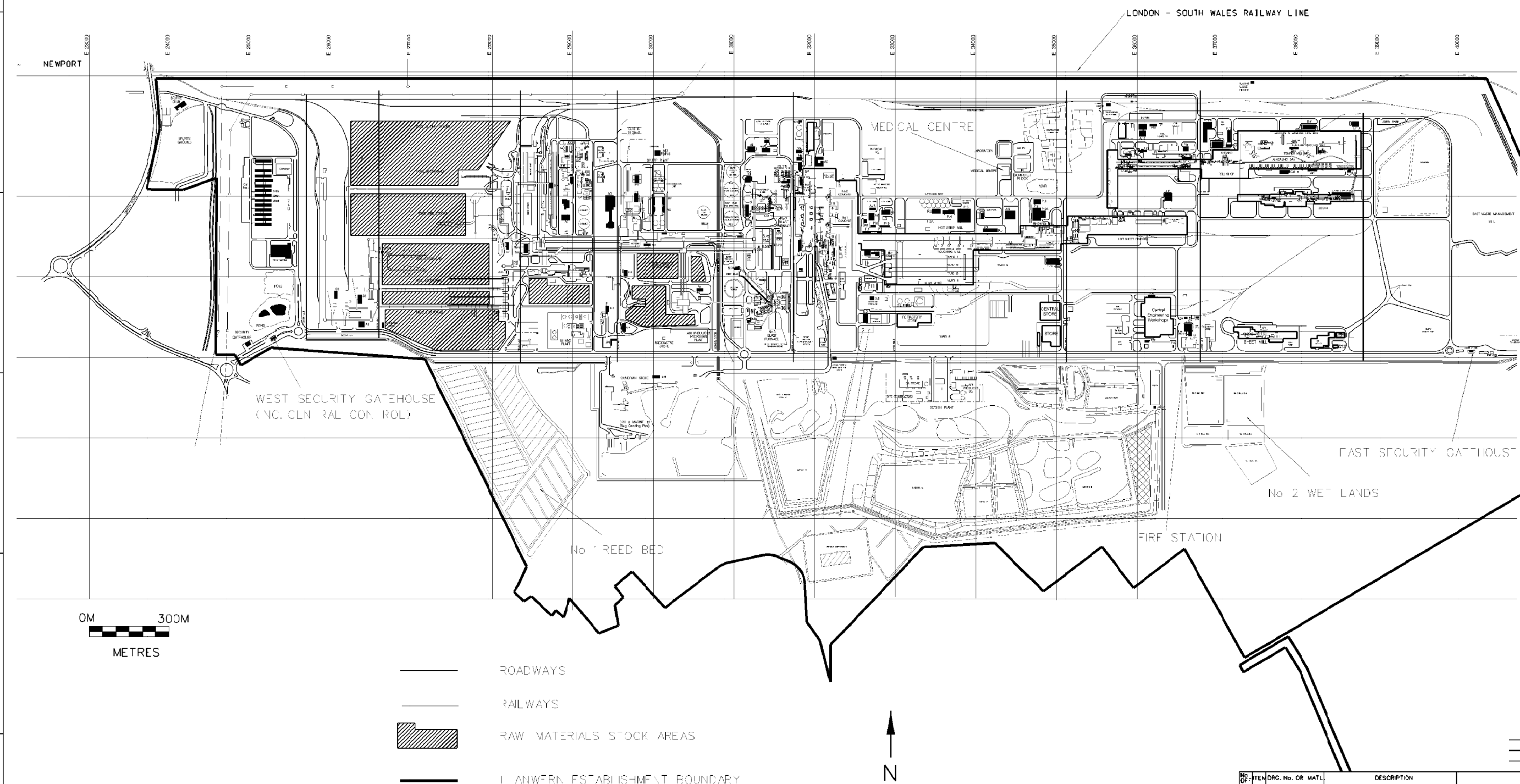
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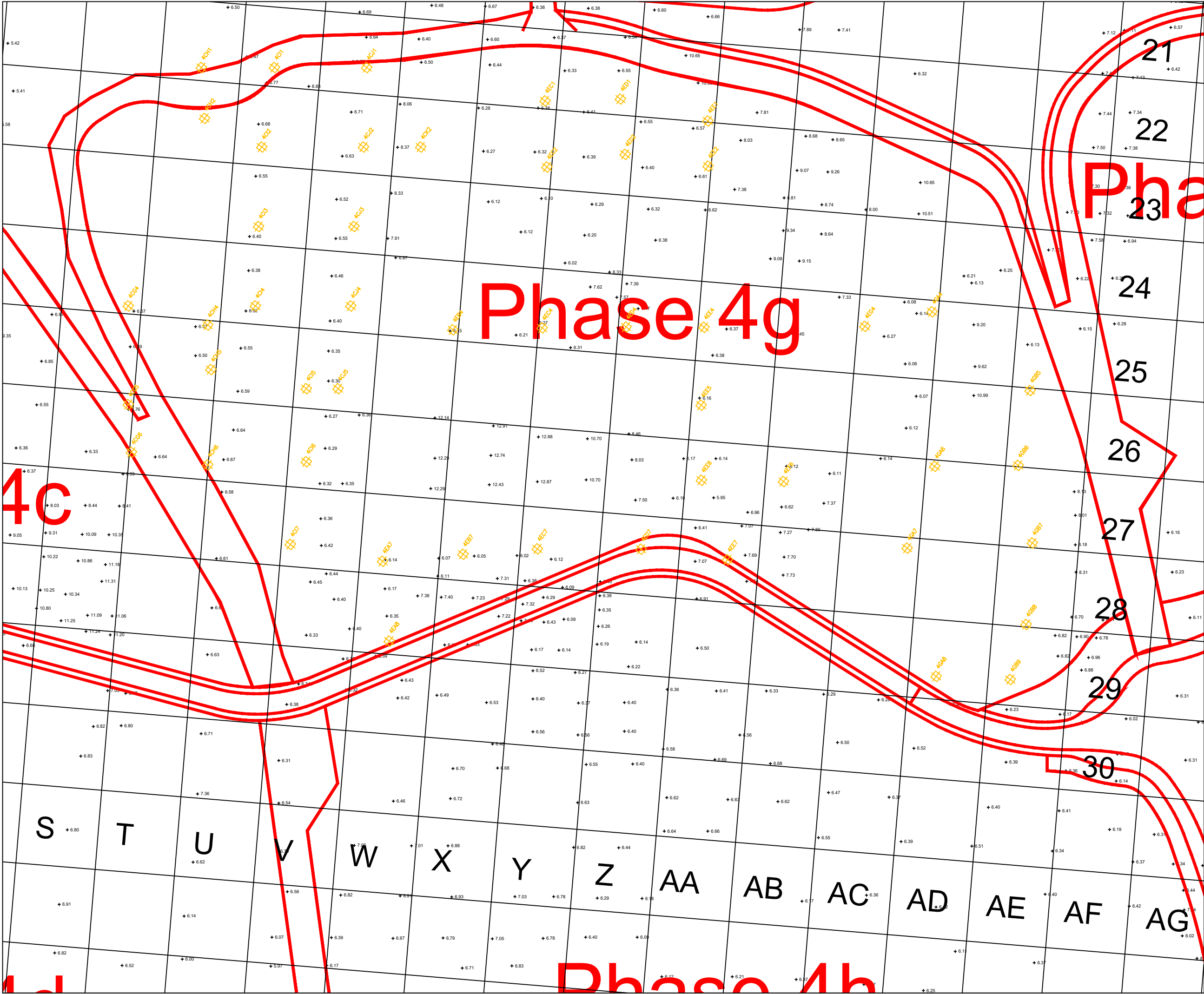
Drawing No.
18669-RLL-22-XX-DR-O-0363

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MAP 1
APPENDIX 15.1



NO. OF ITEMS		DRG. No. OR MATL	DESCRIPTION
SCALE		1:5000 @ A0	PLANT LLANWERN ESTABLISHMENT
UNIT OF MEASUREMENT			SECTION OUTLINE LAYOUT OF ESTABLISHMENT
DRAWN		N.W.C. 09.12.99	DESCRIPTION
CHECKED			ROADS, RAILS AND STOCKING AREAS
TRACED			FOR COMAH REPORT
PASSED			COPYRIGHT-BRITISH STEEL LIMITED © 1999
CONFIDENTIAL			ORIGINATING OFFICE
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			RECEIVING OFFICE
			DRG.No.



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ALL LEVELS ARE IN METRES UNLESS NOTED OTHERWISE.
ANY DISCREPANCIES NOTED ON SITE ARE TO BE REPORTED TO THE ENGINEER IMMEDIATELY.

KEY:

- PHASE BOUNDARY
- Atkins 2018 TP

Rev	Date	Amendments	By	Chk



Client
ST Modewn Developments

Project
P18-669 Llanwern Reclamation

Drawing Title
4G Historical BH plan

INFORMATION

Drawn	Checked	Date
NTS	DMcC	CW
06/12/22		
Drawing No.	Rev.	
18669-RLL-22-XX-DR-O-0378		

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Appendix B

Site Walkover Photographs

Phase 4G Llanwern, Site Walkover Photographic Report



Photograph 1 (16/08/2021) Western boundary of Phase 4g, in use as a concrete stockpiling area.



*Photograph 2 (16/08/2021) North-west boundary of 4g occupied by stockpiles of fines produced from concrete processing.
An east west trending reeN bounds the phase to the north.*



Photograph 3 (16/08/2021) Central part of 4g in use as a concrete screening and processing area.



Photograph 4 (16/08/21) Northern boundary of 4g, in use as a stockpiling area for the concrete processing works.



Photograph 5 (16/08/21) Central-western part of phase 4g, occupied by stockpiles of processed material.



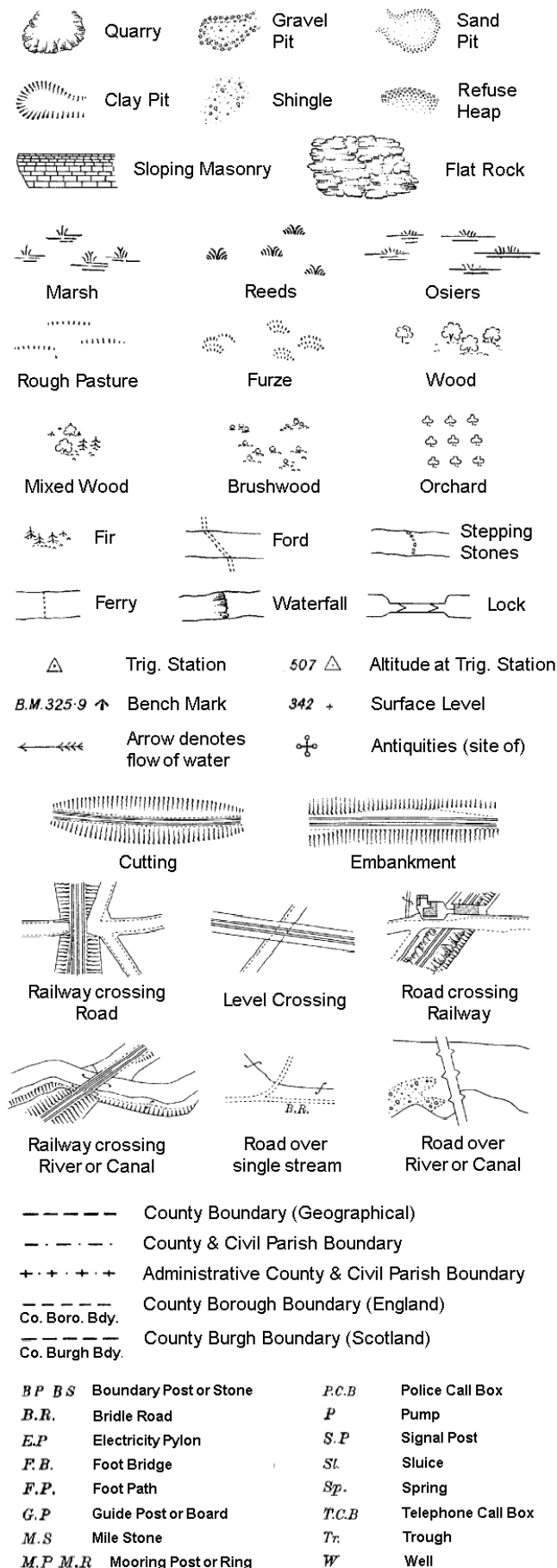
Photograph 6 (16/08/2021) Southern boundary of 4g, occupied by unprocessed concrete. In the south by a haul route and the west by surface water reen.

Appendix C

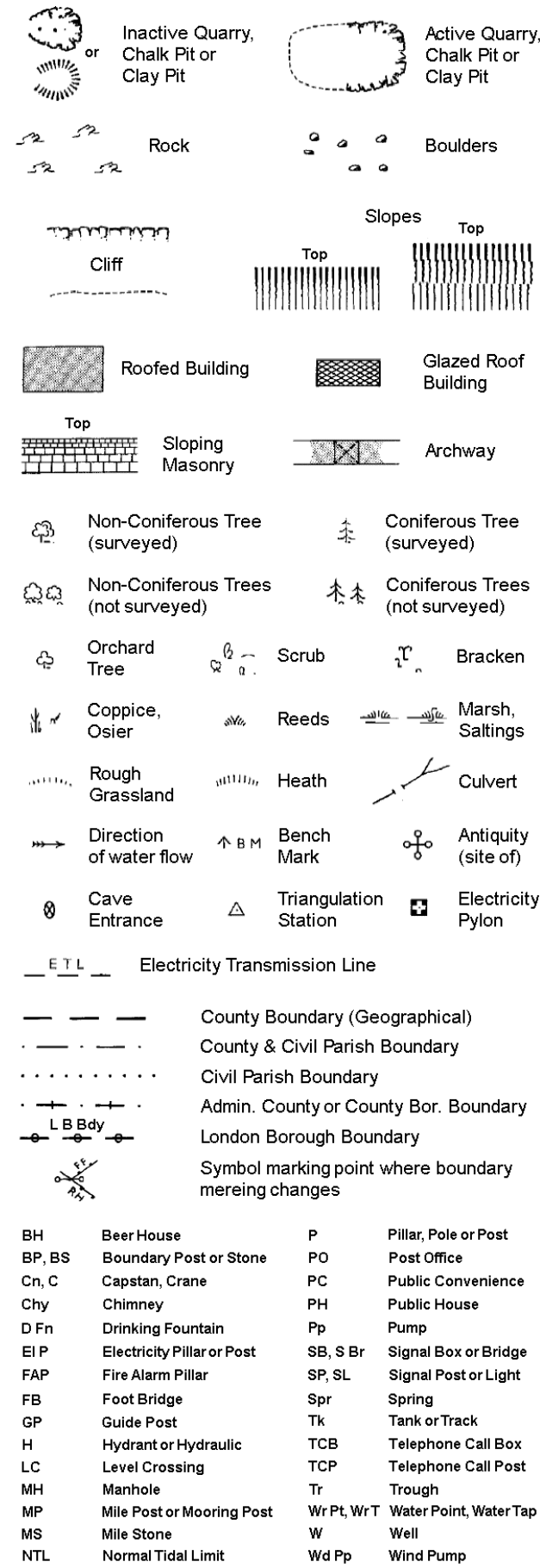
Historical Maps

Historical Mapping Legends

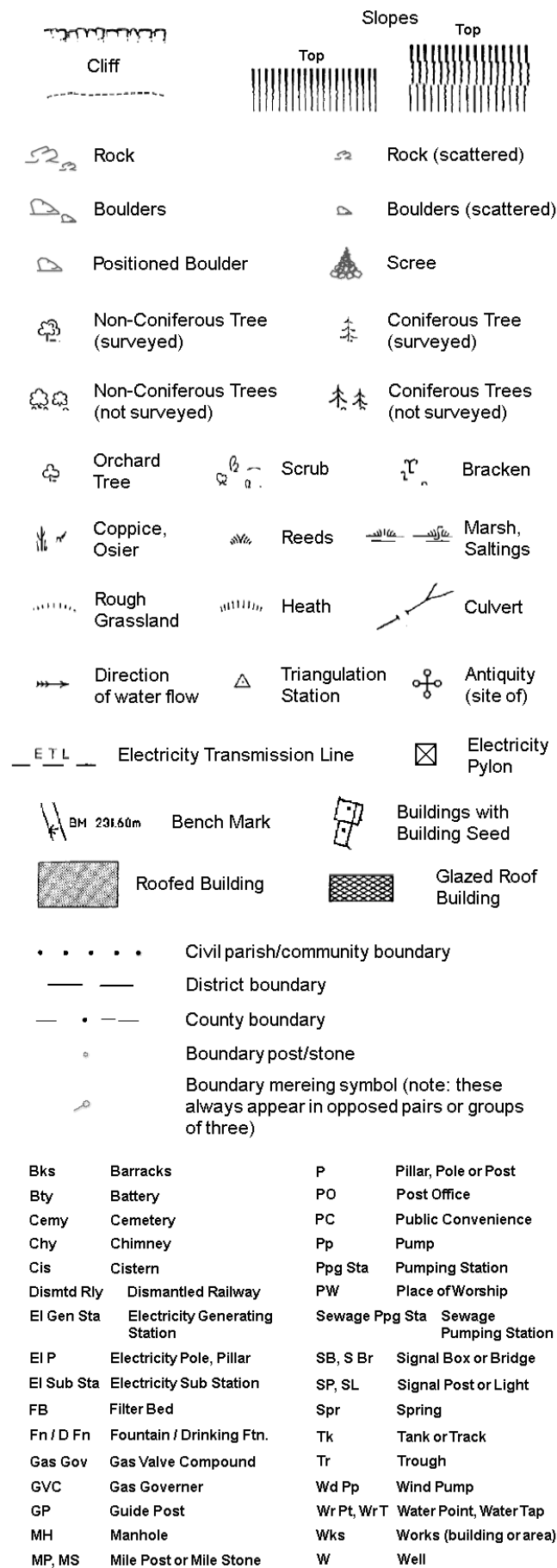
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



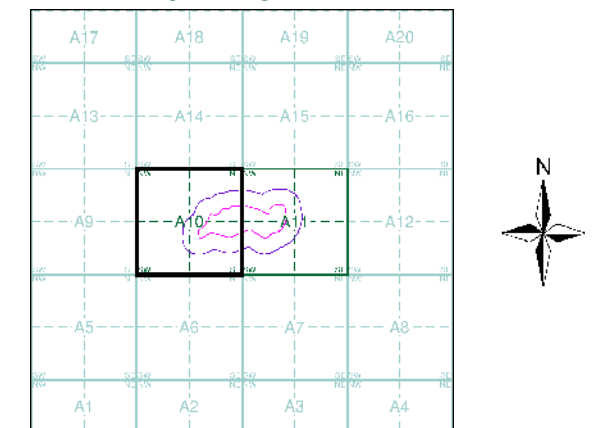
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
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Monmouthshire	1:2,500	1901	3
Monmouthshire	1:2,500	1921	4
Ordnance Survey Plan	1:1,250	1967	5
Ordnance Survey Plan	1:2,500	1967 - 1968	6
Supply of Unpublished Survey Information	1:1,250	1974	7
Additional SIMs	1:1,250	1986	8
Additional SIMs	1:1,250	1991	9
Large-Scale National Grid Data	1:1,250	1992	10
Large-Scale National Grid Data	1:1,250	1995	11
Historical Aerial Photography	1:2,500	2001	12

Historical Map - Segment A10



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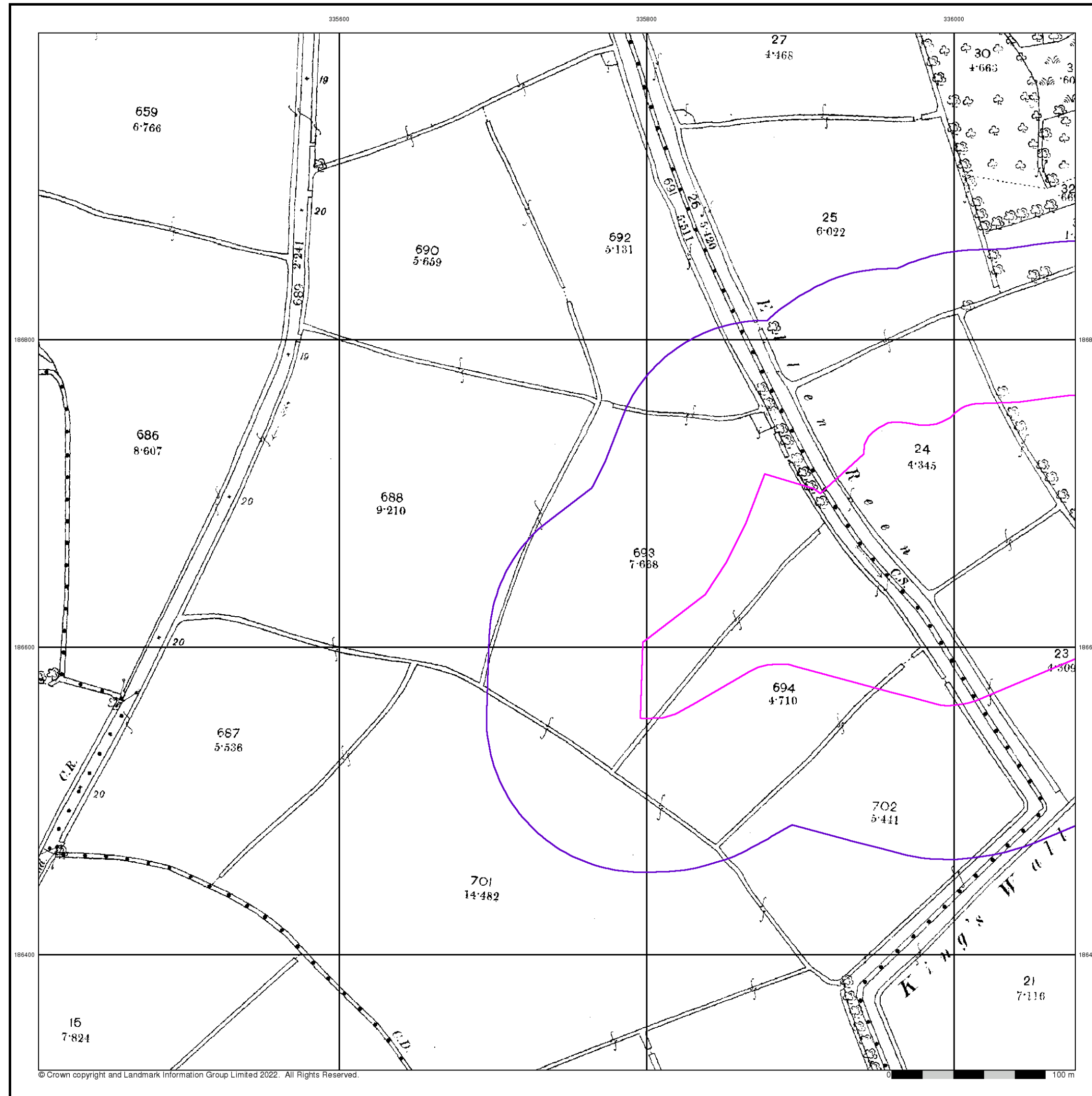
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Search Buffer (m): 100

Site Details

Site at 336079,186662

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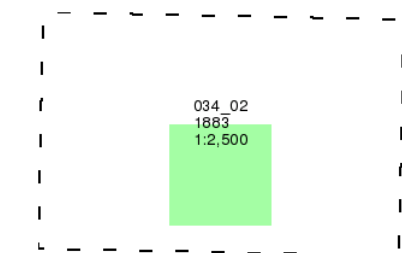
Monmouthshire

Published 1883

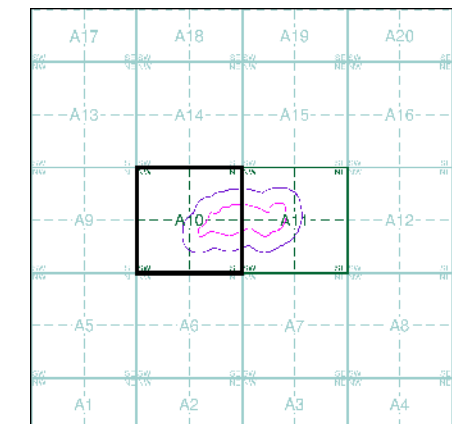
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered 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)



Historical Map - Segment A10

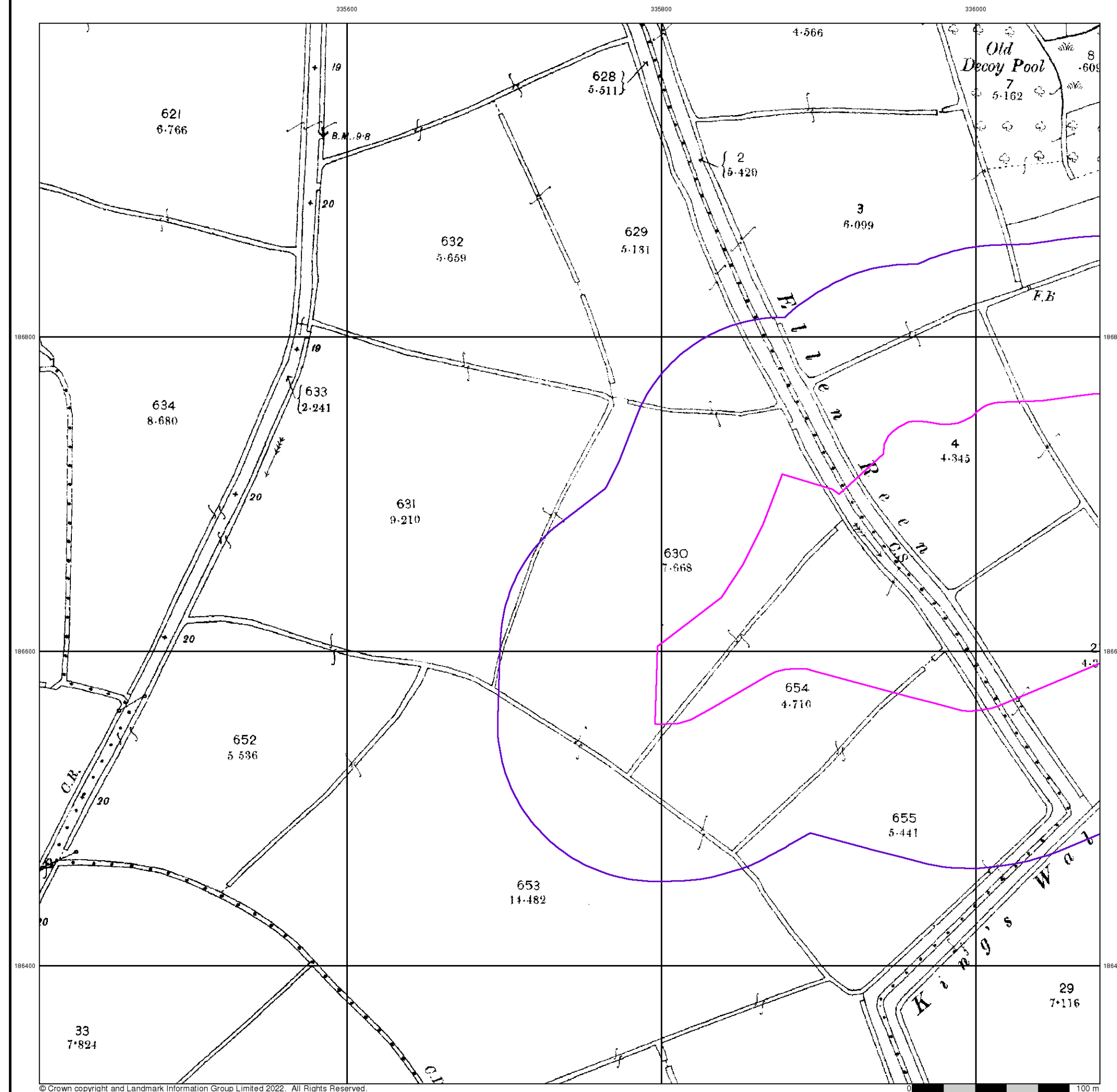


Order Details

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Customer Ref: Llanwern 4c 4g 4e
National Grid Reference: 336080, 186650
Slice: A
Site Area (Ha): 8.34
Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

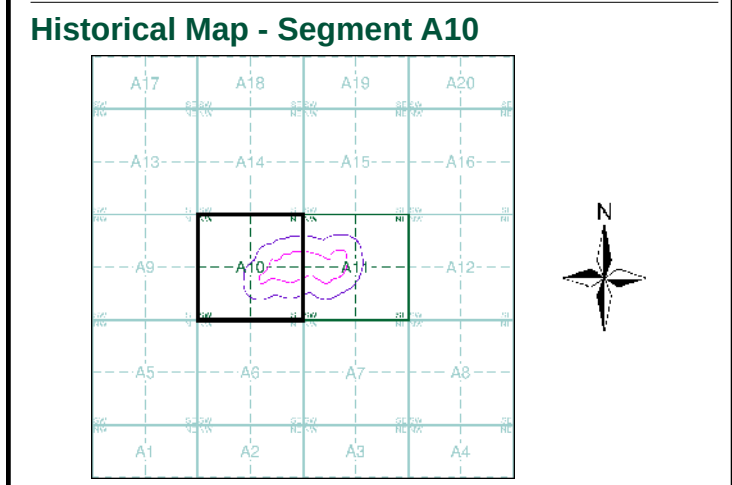
Published 1967

Source map scale - 1:1,250

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Map Name(s) and Date(s)

ST3586NW 1967 1:1,250	ST3586NE 1967 1:1,250	ST3686NW 1967 1:1,250
ST3586SW 1967 1:1,250	ST3586SE 1967 1:1,250	ST3686SW 1967 1:1,250

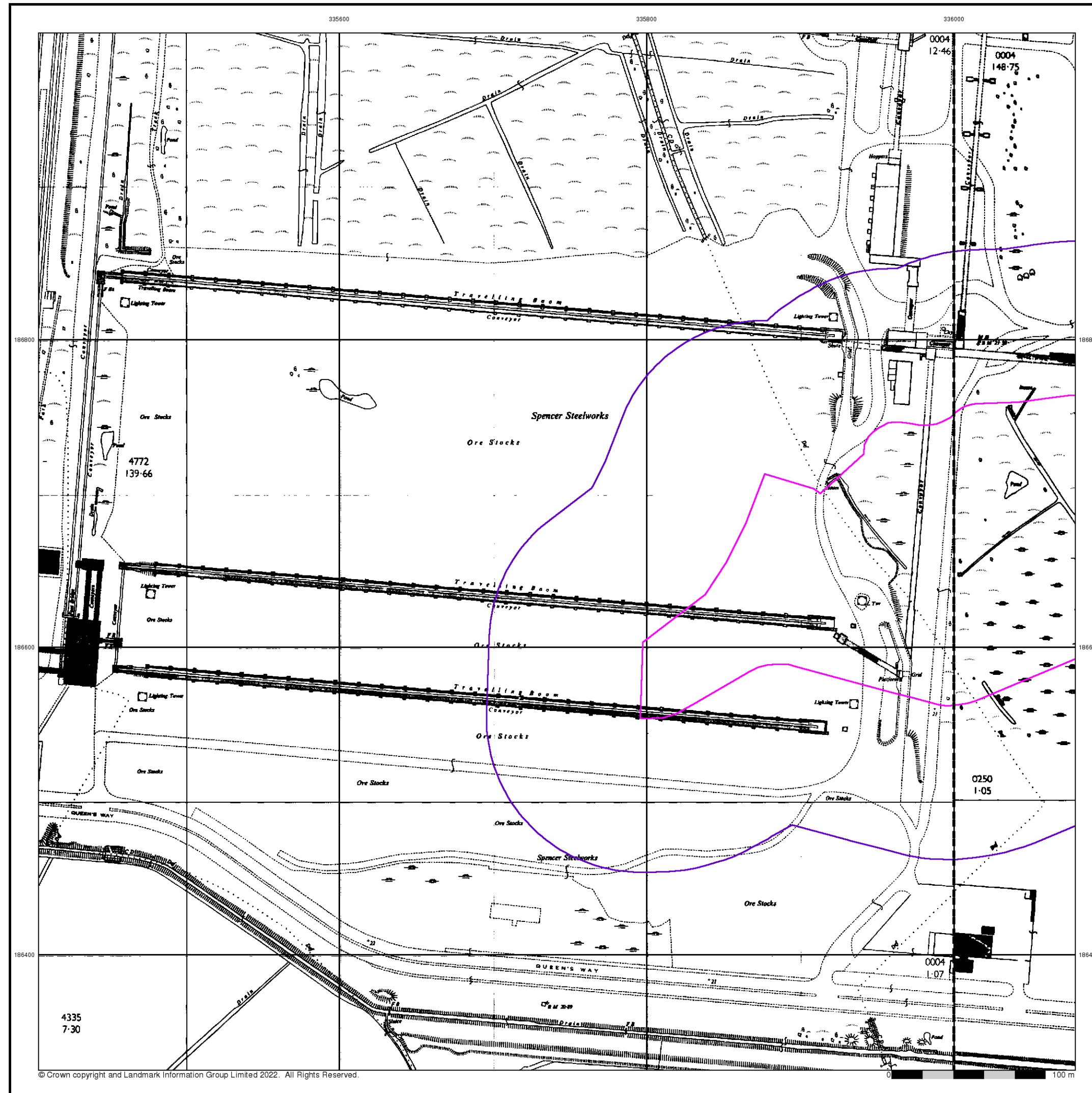


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Slice: A
Site Area (Ha): 8.34
Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

Published 1967 - 1968

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)

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Historical Map - Segment A10

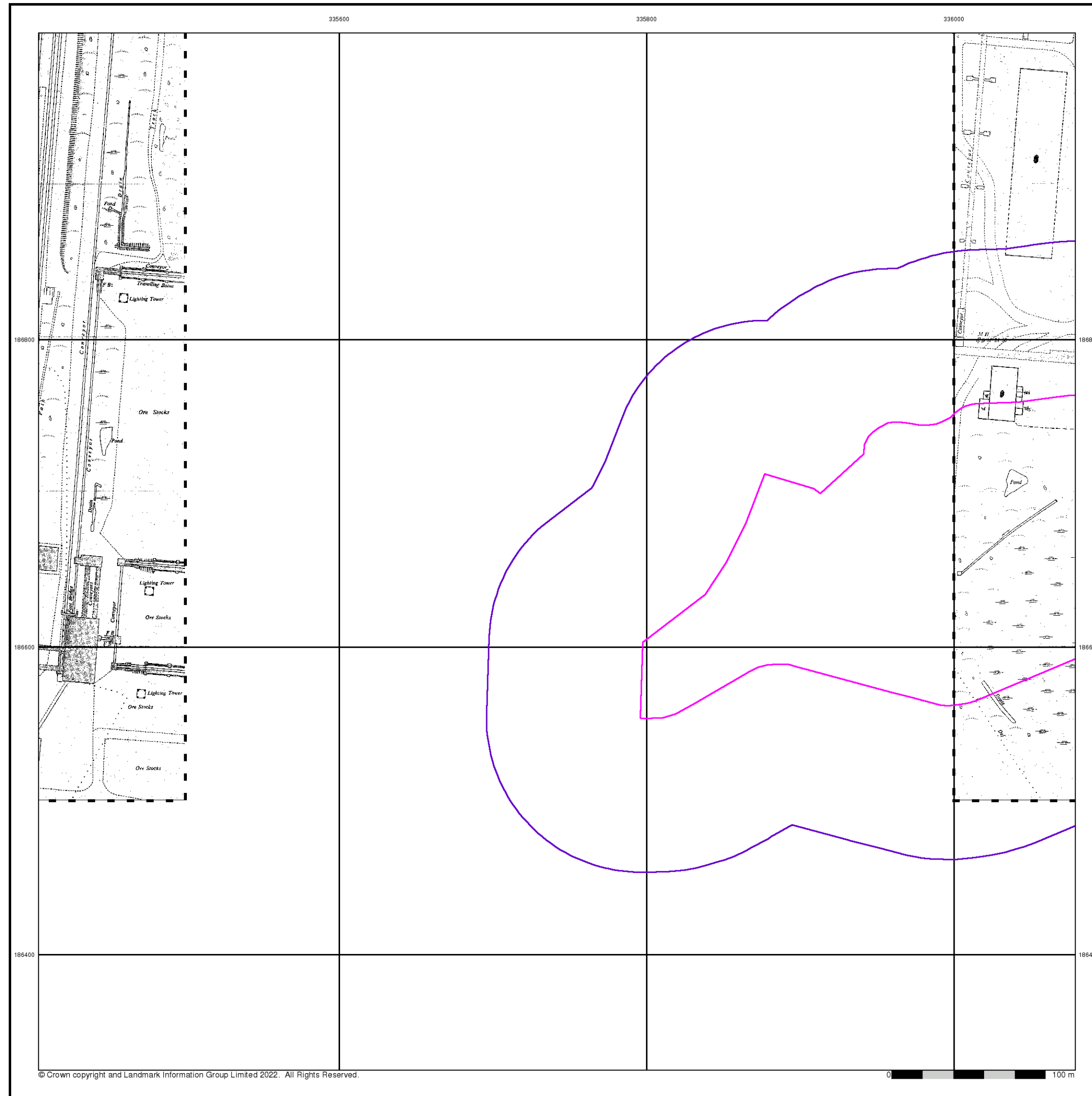
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Site Details

Site at 336079,186662



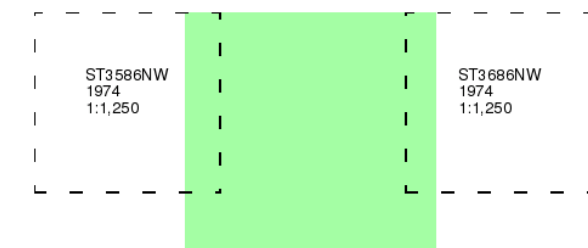
Supply of Unpublished Survey Information

Published 1974

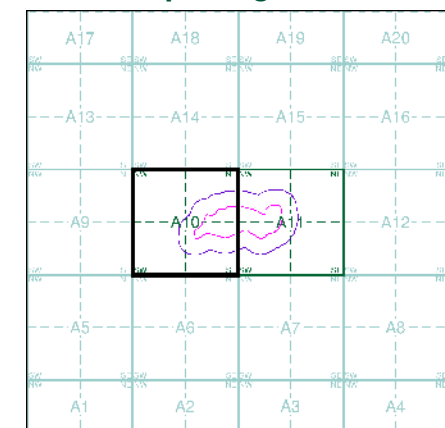
Source map scale - 1:1,250

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a 'work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A10

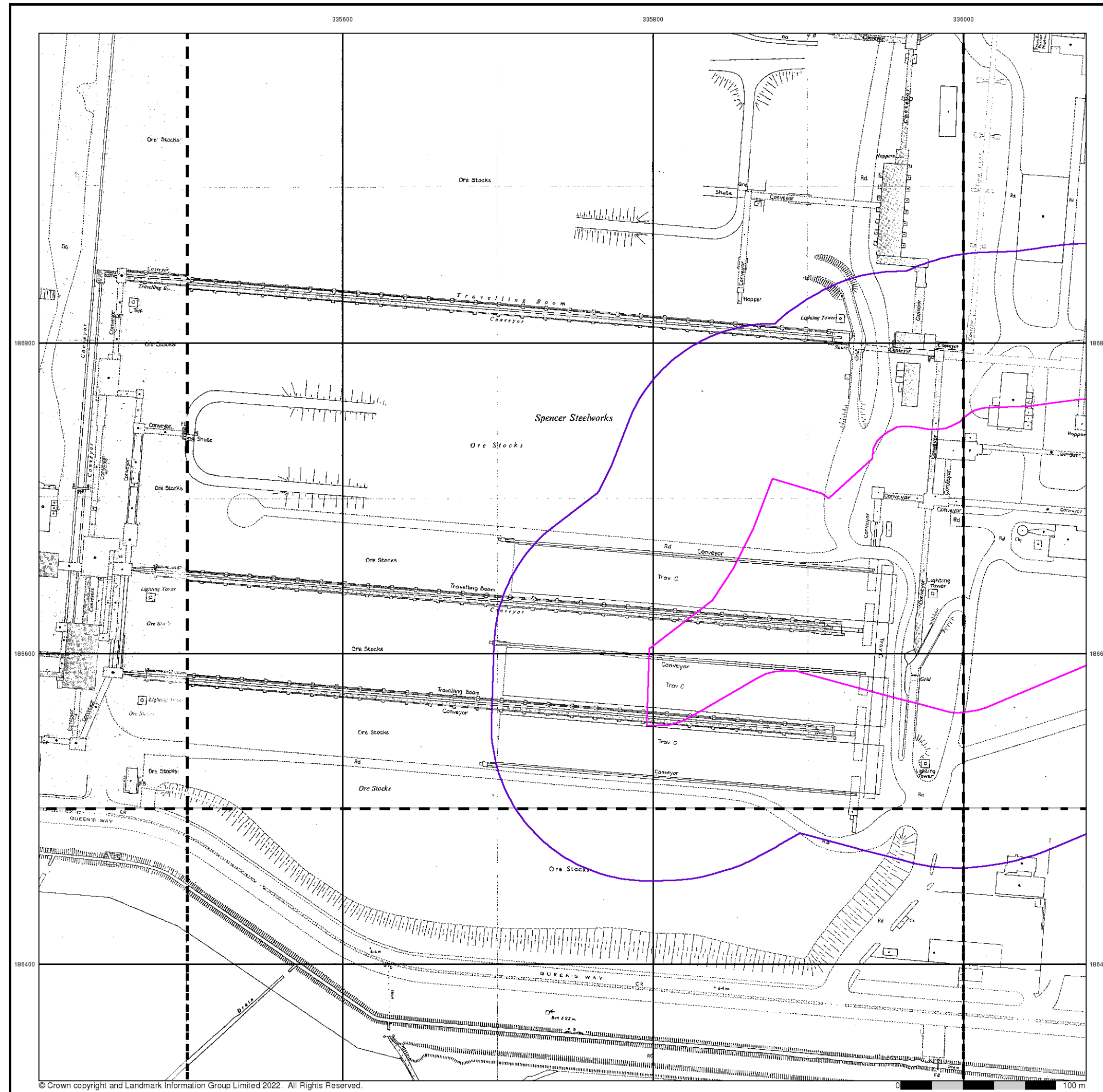


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Site Details

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Additional SIMs

Published 1986

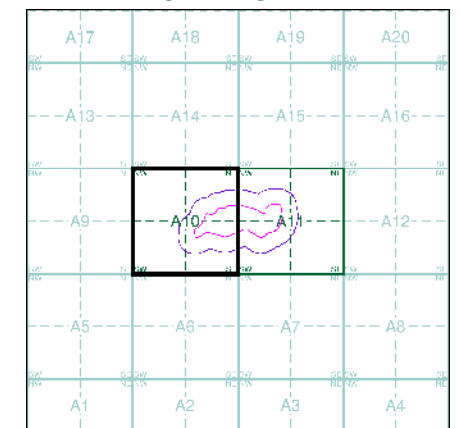
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The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information 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)

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Historical Map - Segment A10

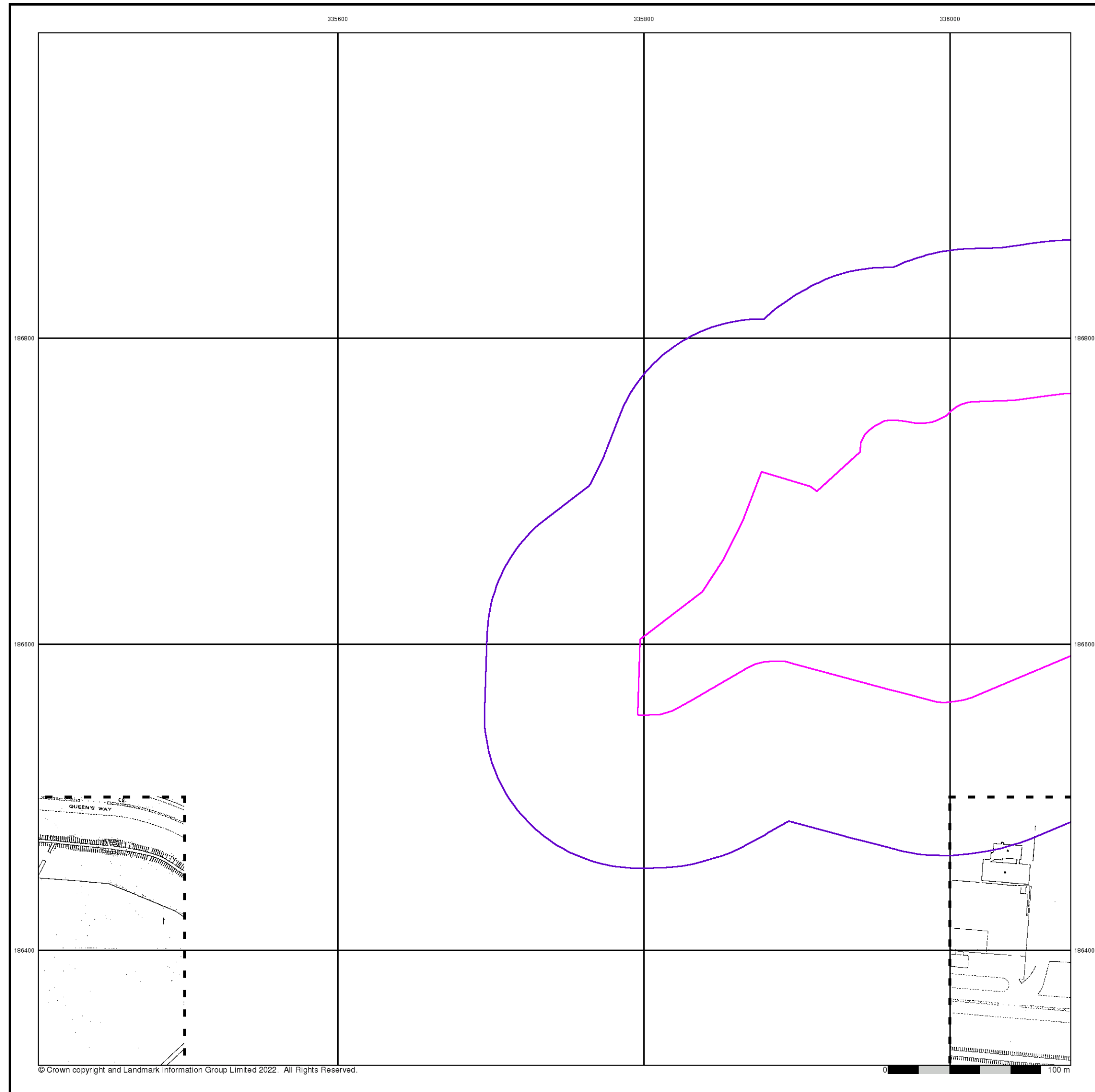


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Site Details

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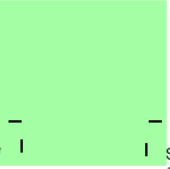
Additional SIMs

Published 1991

Source map scale - 1:1,250

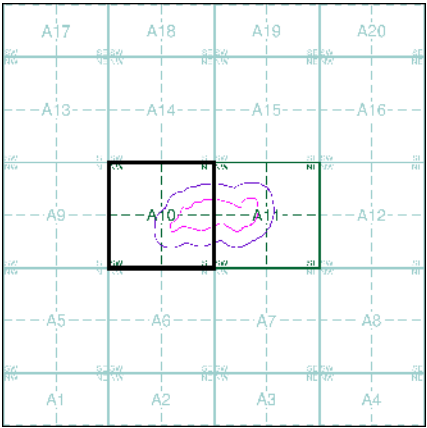
The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps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

Map Name(s) and Date(s)



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1:1,250	1:1,250

Historical Map - Segment A10



Order Details

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Customer Ref:	Llanwern 4c 4g 4e
National Grid Reference:	336080, 186650
Slice:	A
Site Area (Ha):	8.34
Search Buffer (m):	100

Site Details

Site at 336079,186662

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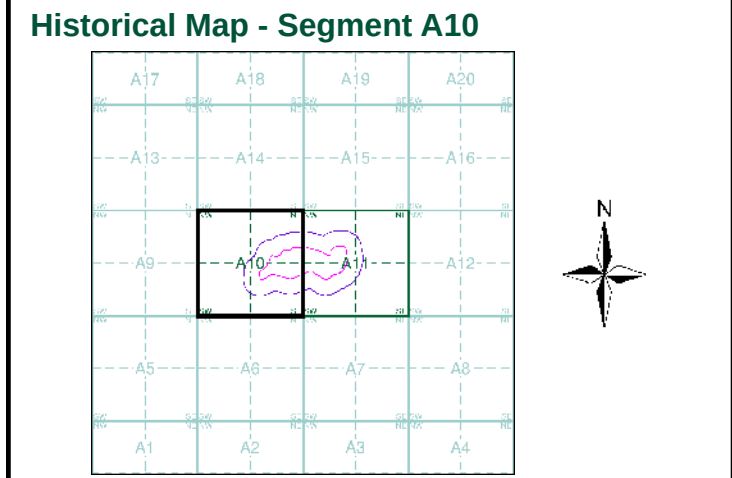
Large-Scale National Grid Data

Published 1992

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)		
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1992	1992	1992
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ST3586SW	ST3586SE	ST3686SW
1992	1992	1992
1:1,250	1:1,250	1:1,250



Order Details

Order Number: 304885831_1_1

Customer Ref: Llanwern 4c 4g 4e

National Grid Reference: 336080, 186650

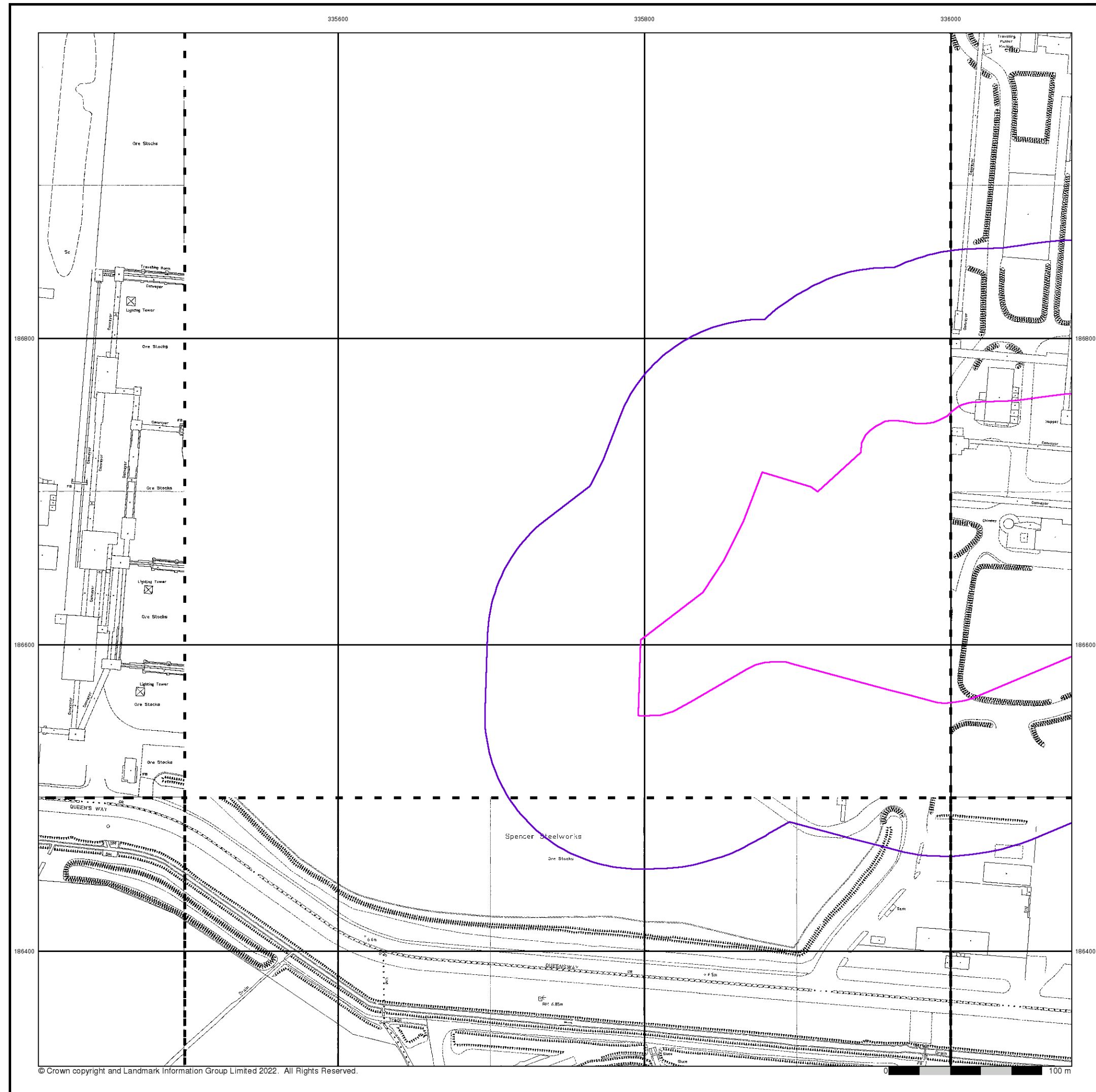
Slice: A

Site Area (Ha): 8.34

Search Buffer (m): 100

Site Details

Site at 336079,186662



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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)

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1995		1995
1:1,250		1:1,250
ST3586SW	ST3586SE	ST3686SW
1995	1995	1995
1:1,250	1:1,250	1:1,250

Historical Map - Segment A10

Order Details

Order Number: 304885831_1_1
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National Grid Reference: 336080, 186650
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Site Area (Ha): 8.34
Search Buffer (m): 100

Site Details

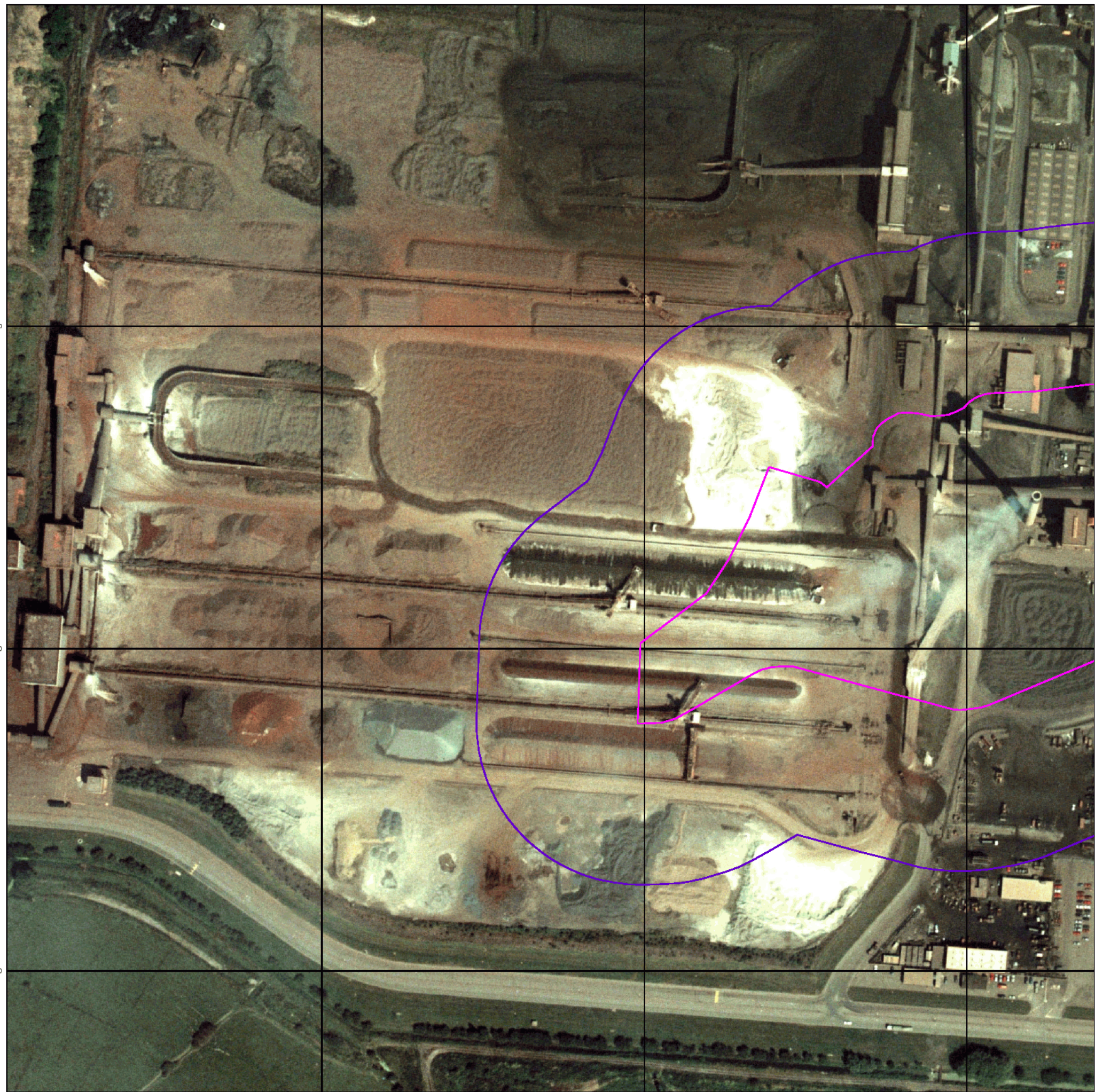
Site at 336079,186662

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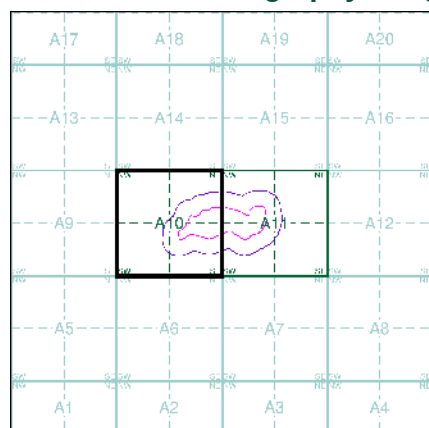
0 100 m

Historical Aerial Photography

Published 2001

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

Historical Aerial Photography - Segment A10



Order Details

Order Number: 304885831_1_1
Customer Ref: Llanwern 4c 4g 4e
National Grid Reference: 336080, 186650
Slice: A
Site Area (Ha): 8.34
Search Buffer (m): 100

Site Details

Site at 336079,186662

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



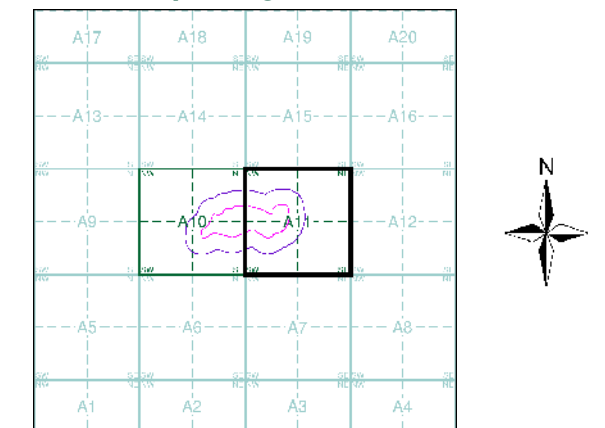
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Monmouthshire	1:2,500	1883	2
Monmouthshire	1:2,500	1901	3
Monmouthshire	1:2,500	1921	4
Ordnance Survey Plan	1:1,250	1967	5
Ordnance Survey Plan	1:2,500	1968	6
Supply of Unpublished Survey Information	1:1,250	1974	7
Additional SIMs	1:1,250	1986	8
Additional SIMs	1:1,250	1991	9
Large-Scale National Grid Data	1:1,250	1992	10
Large-Scale National Grid Data	1:1,250	1995	11
Historical Aerial Photography	1:2,500	2001	12

Historical Map - Segment A11



Order Details

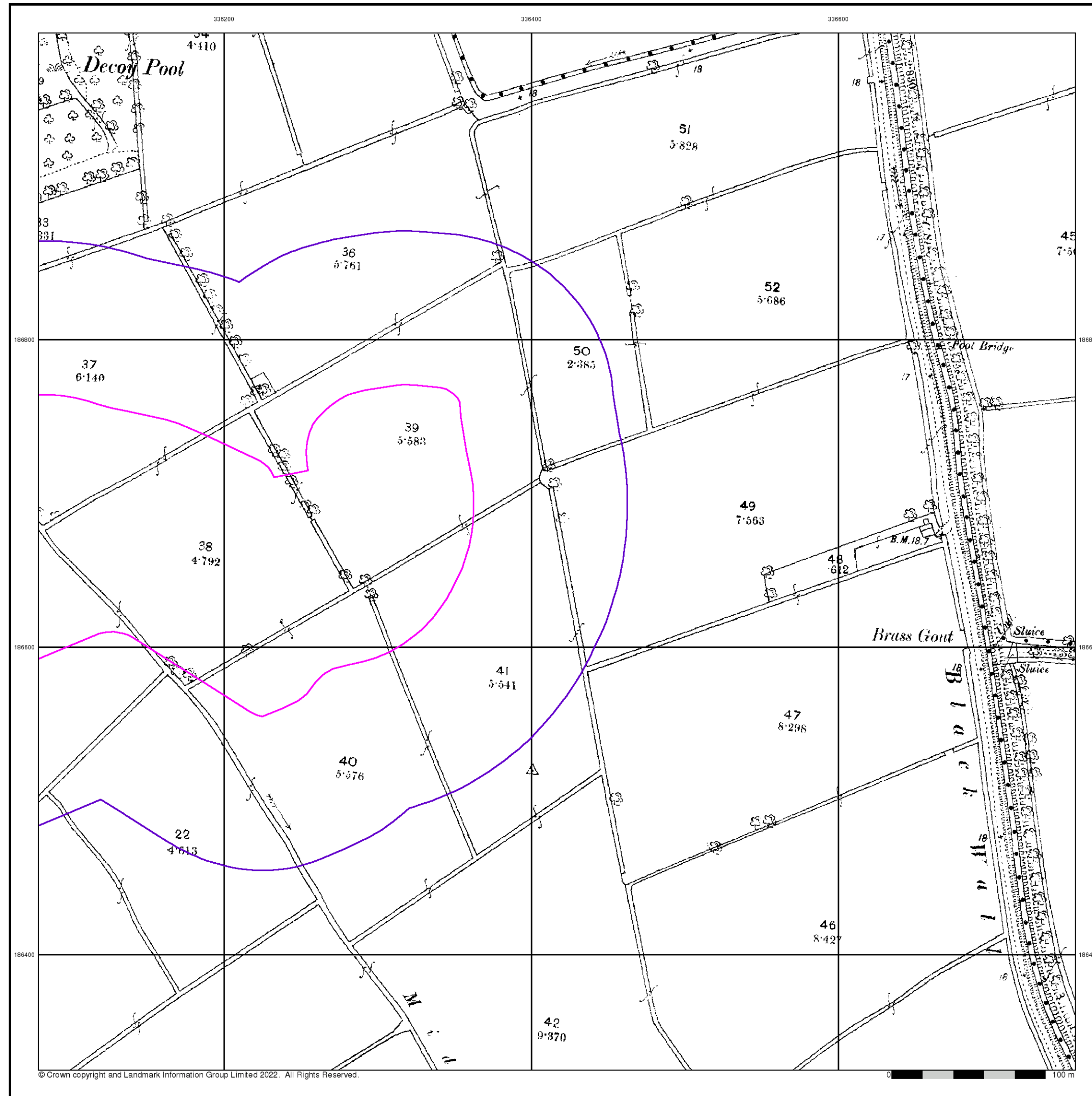
Order Number: 304885831_1_1
Customer Ref: Llanwern 4c 4g 4e
National Grid Reference: 336080, 186650
Slice: A
Site Area (Ha): 8.34
Search Buffer (m): 100

Site Details

Site at 336079,186662

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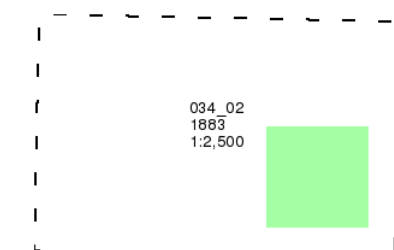
Monmouthshire

Published 1883

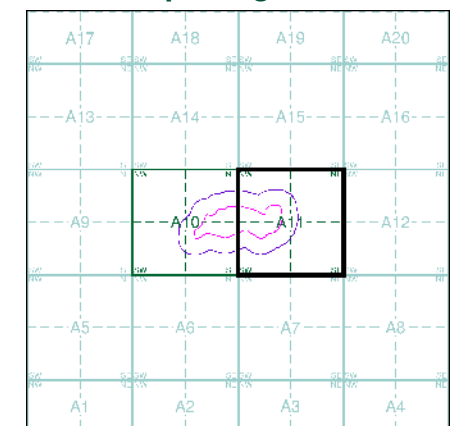
Source map scale - 1:2,500

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)



Historical Map - Segment A11

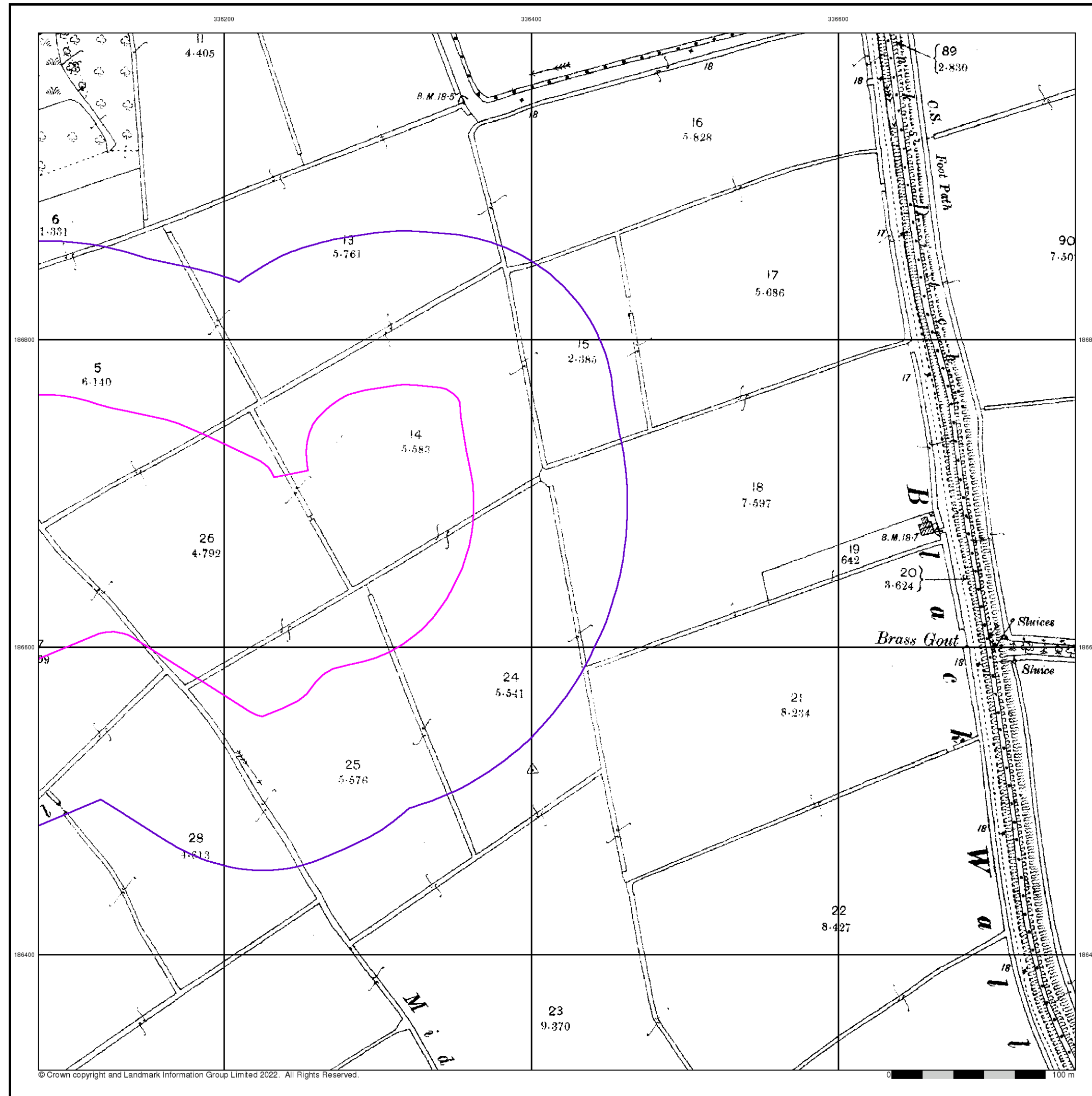


Order Details

Order Number: 304885831_1_1
Customer Ref: Llanwern 4c 4g 4e
National Grid Reference: 336080, 186650
Slice: A
Site Area (Ha): 8.34
Search Buffer (m): 100

Site Details

Site at 336079,186662



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Monmouthshire

Published 1901

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)

034_02

1901

1:2,500

Historical Map - Segment A11

A17A18A19A20

A13A14A15A16

A9A10A11A12

A5A6A7A8

A1A2A3A4

N

↑

Order Details

Order Number:	304885831_1_1
Customer Ref:	Llanwern 4c 4g 4e
National Grid Reference:	336080, 186650
Slice:	A
Site Area (Ha):	8.34
Search Buffer (m):	100

Site Details

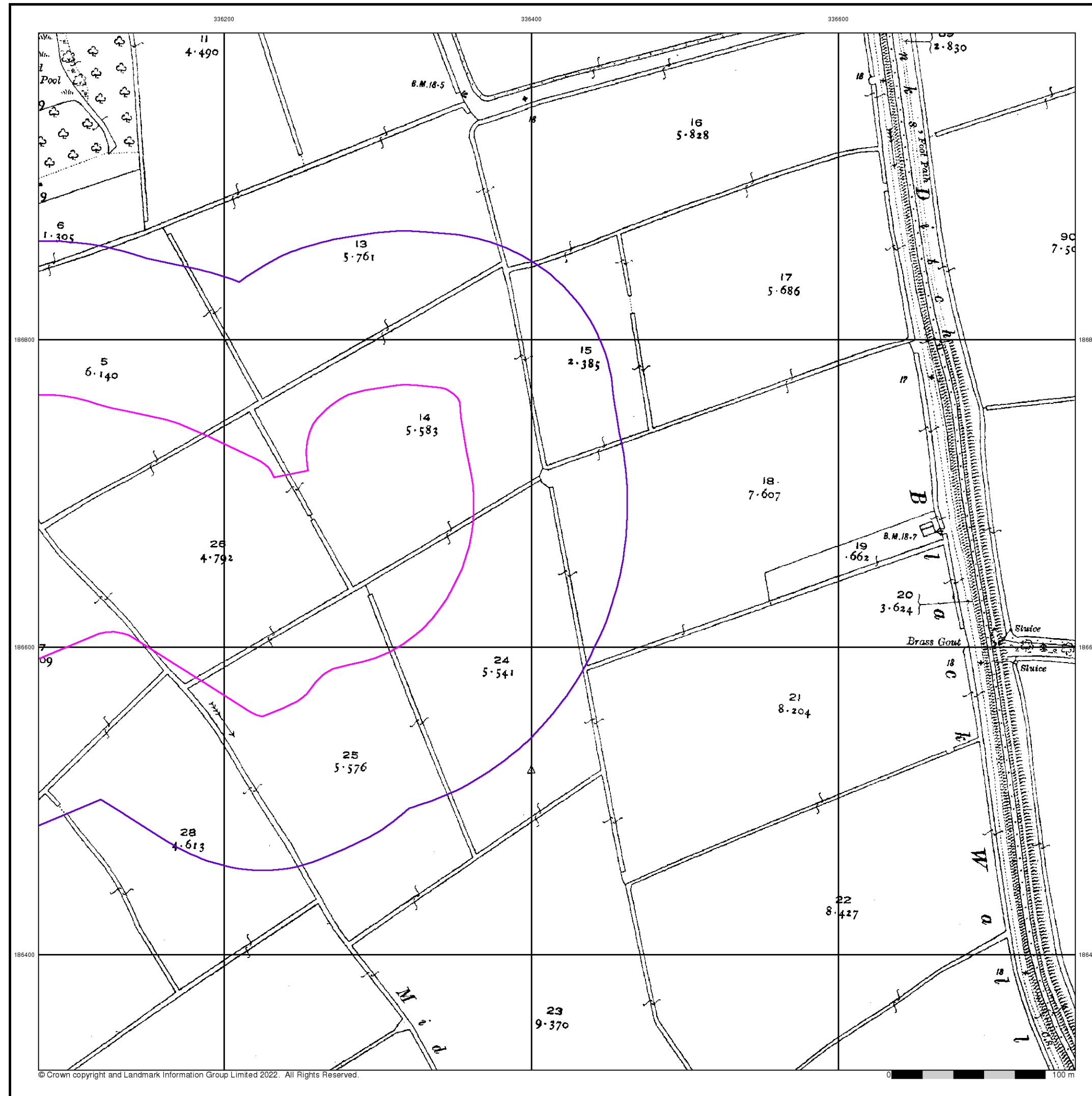
Site at 336079,186662

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A Landmark Information Group Service v50.0 09-Dec-2022 Page 3 of 12



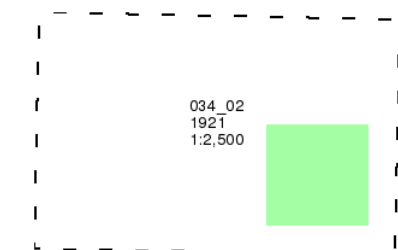
Monmouthshire

Published 1921

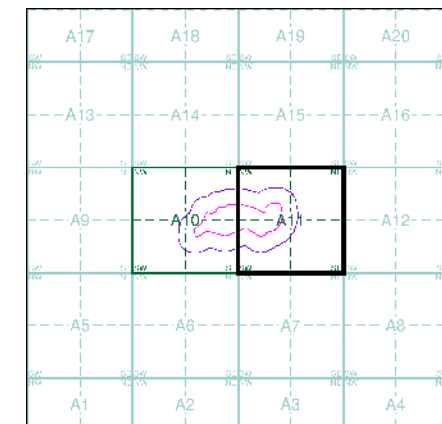
Source map scale - 1:2,500

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)



Historical Map - Segment A11



Order Details

Order Number: 304885831_1_1
Customer Ref: Llanwern 4c 4g 4e
National Grid Reference: 336080, 186650
Slice: A
Site Area (Ha): 8.34
Search Buffer (m): 100

Site Details

Site at 336079,186662



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Ordnance Survey Plan

Published 1967

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)

ST3686NW 1967 1:1,250	ST3686NE 1967 1:1,250
ST3686SW 1967 1:1,250	ST3686SE 1967 1:1,250

Historical Map - Segment A11

Order Details

Order Number: 304885831_1_1
Customer Ref: Llanwern 4c 4g 4e
National Grid Reference: 336080, 186650
Slice: A
Site Area (Ha): 8.34
Search Buffer (m): 100

Site Details

Site at 336079,186662

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Ordnance Survey Plan

Published 1968

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)

ST3686

1968

1:2,500

Historical Map - Segment A11

A17A18A19A20

A13A14A15A16

A9A10A11A12

A5A6A7A8

A1A2A3A4

Order Details

Order Number: 304885831_1_1

Customer Ref: Llanwern 4c 4g 4e

National Grid Reference: 336080, 186650

Slice: A

Site Area (Ha): 8.34

Search Buffer (m): 100

Site Details

Site at 336079,186662



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Supply of Unpublished Survey Information

Published 1974

Source map scale - 1:1,250

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a 'work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

ST3686NW
1974
1:1,250

Historical Map - Segment A11

Order Details

Order Number:	304885831_1_1
Customer Ref:	Llanwern 4c 4g 4e
National Grid Reference:	336080, 186650
Slice:	A
Site Area (Ha):	8.34
Search Buffer (m):	100

Site Details

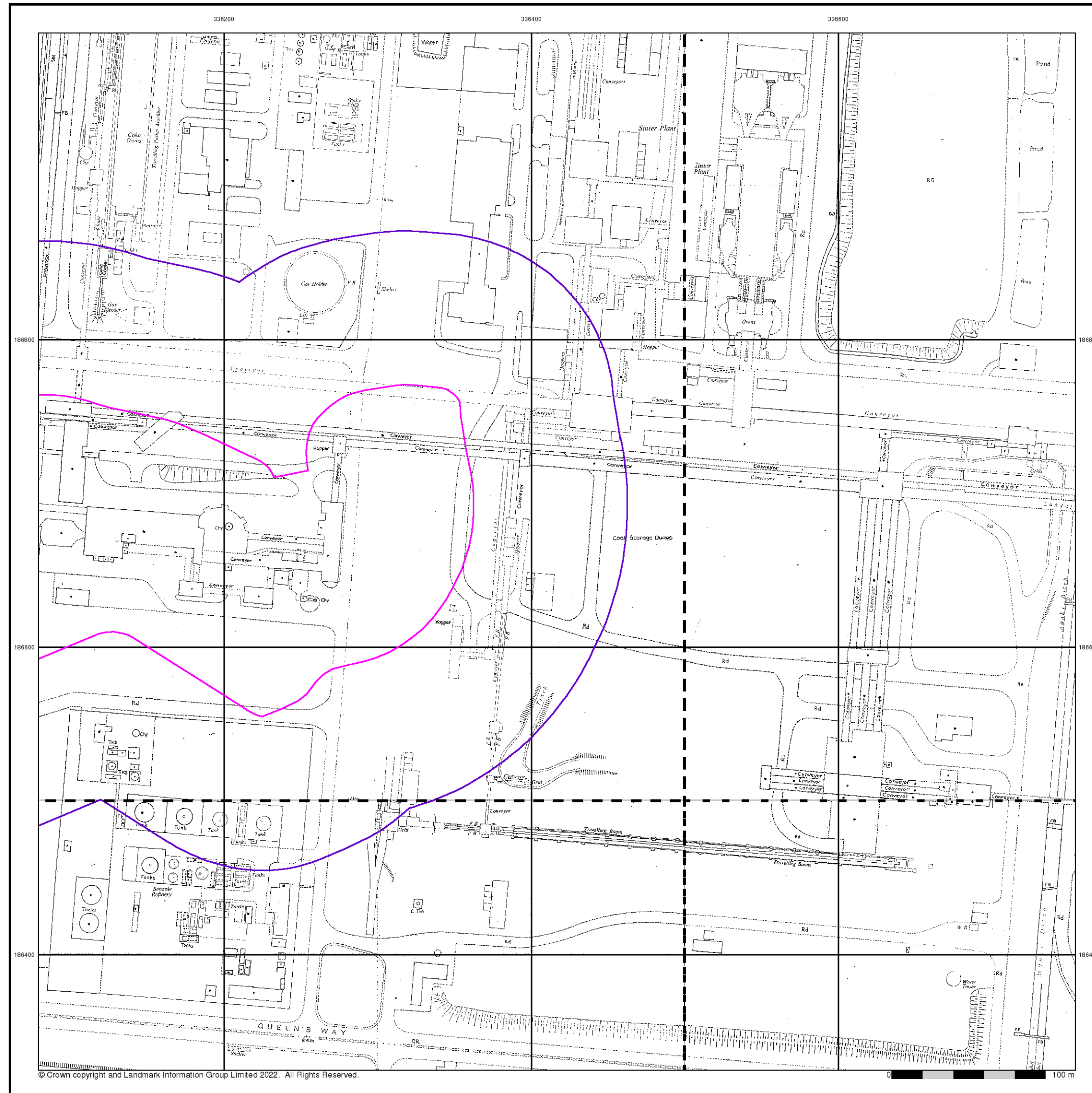
Site at 336079,186662

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Additional SIMs

Published 1986

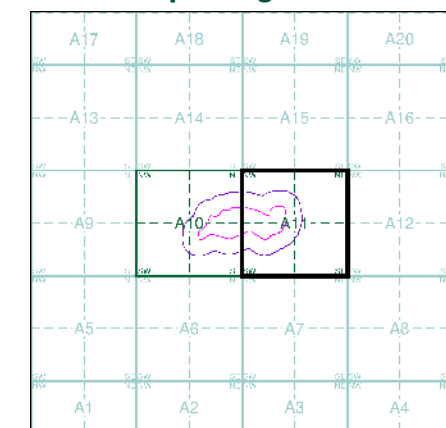
Source map scale - 1:1,250

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)

ST3686NW 1986 1:1,250	ST3686NE 1986 1:1,250
ST3686SW 1986 1:1,250	ST3686SE 1986 1:1,250

Historical Map - Segment A11

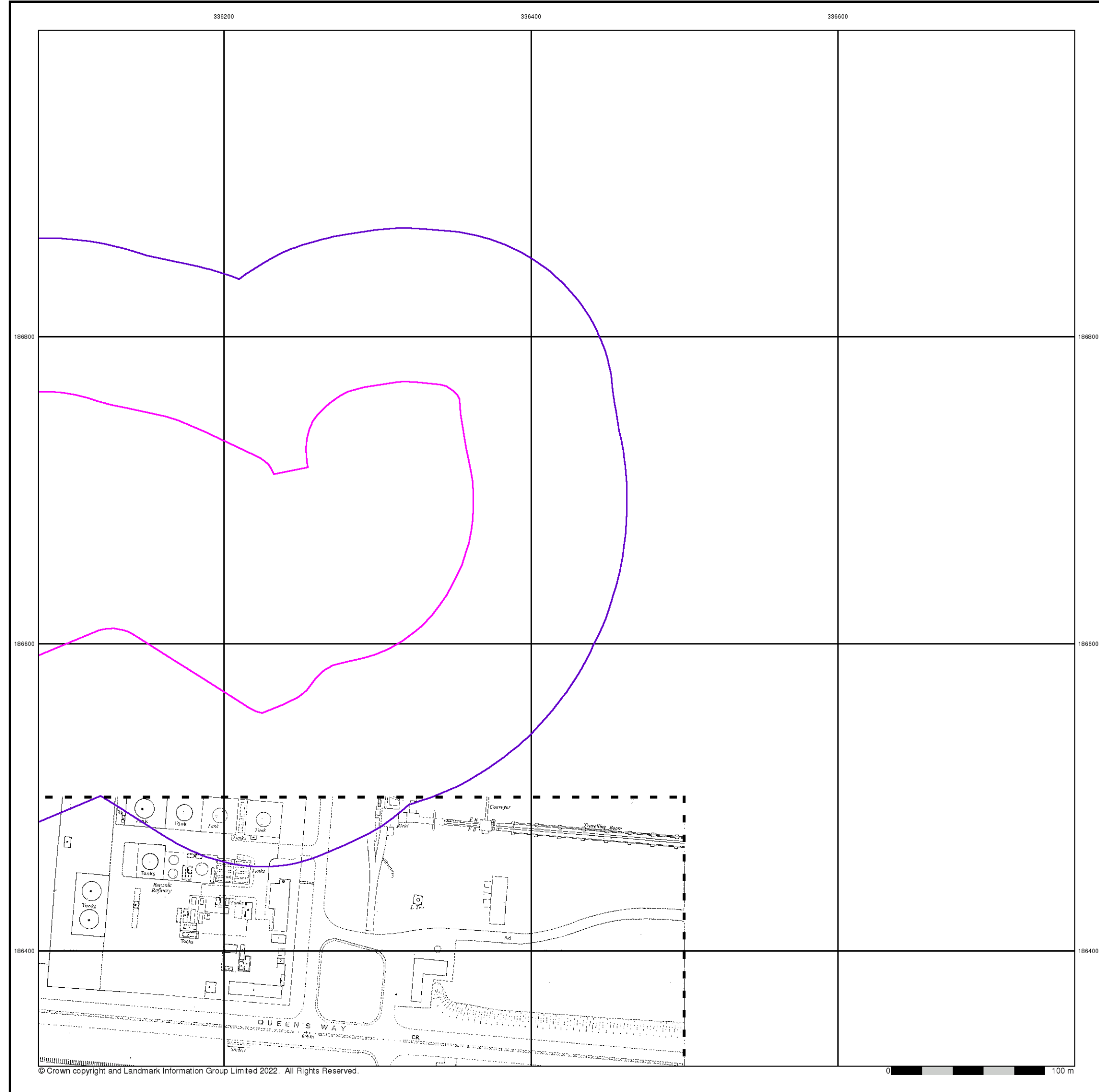


Order Details

Order Number: 304885831_1_1
Customer Ref: Llanwern 4c 4g 4e
National Grid Reference: 336080, 186650
Slice: A
Site Area (Ha): 8.34
Search Buffer (m): 100

Site Details

Site at 336079,186662



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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)

ST3686SW
1991
1:1,250

Historical Map - Segment A11

Order Details

Order Number:	304885831_1_1
Customer Ref:	Llanwern 4c 4g 4e
National Grid Reference:	336080, 186650
Slice:	A
Site Area (Ha):	8.34
Search Buffer (m):	100

Site Details

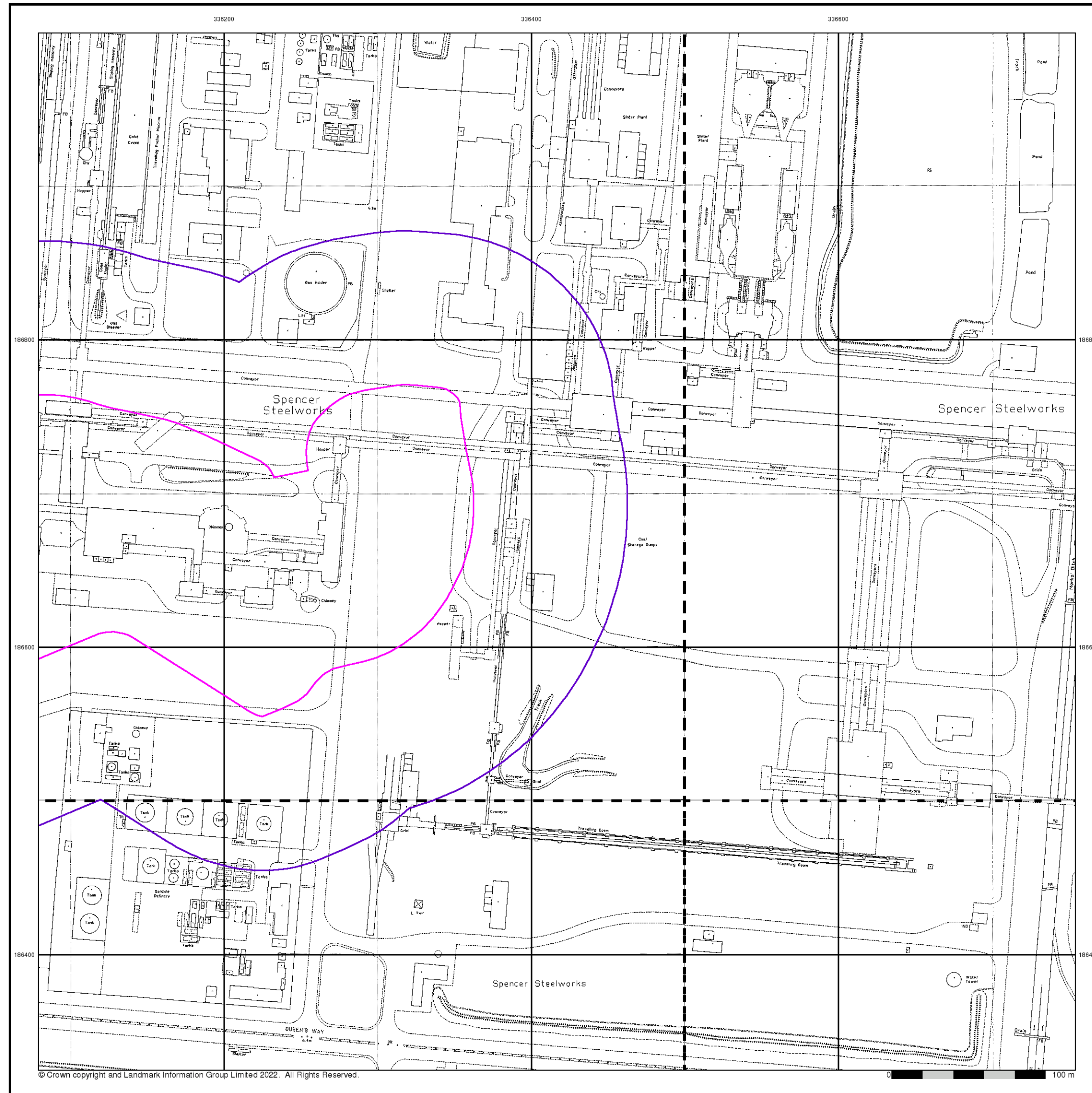
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Large-Scale National Grid Data

Published 1992

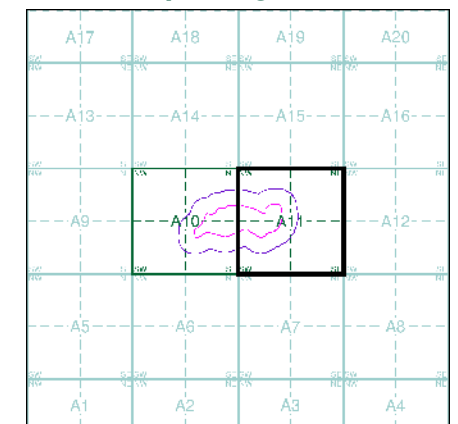
Source map scale - 1:1,250

'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)

ST3686NW	ST3686NE
1992	1992
1:1,250	1:1,250
ST3686SW	ST3686SE
1992	1992
1:1,250	1:1,250

Historical Map - Segment A11



Order Details

Order Number: 304885831_1_1
Customer Ref: Llanwern 4c 4g 4e
National Grid Reference: 336080, 186650
Slice: A
Site Area (Ha): 8.34
Search Buffer (m): 100

Site Details

Site at 336079,186662



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Large-Scale National Grid Data

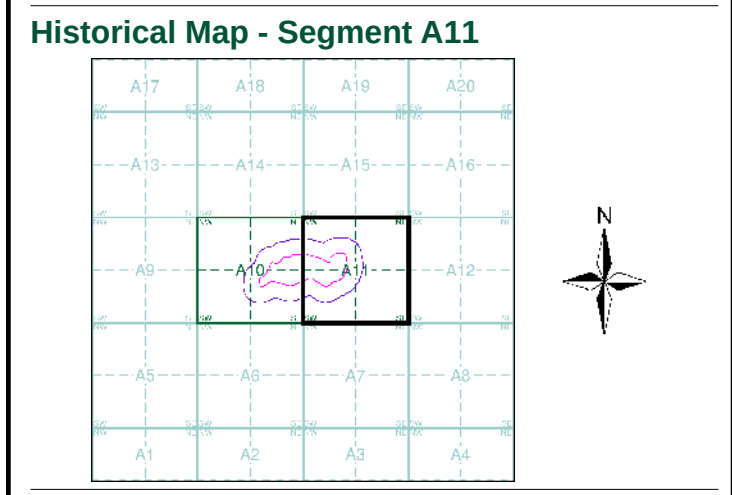
Published 1995

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)

ST3686NW	ST3686NE
1995	1995
1:1,250	1:1,250
ST3686SW	ST3686SE
1995	1995
1:1,250	1:1,250



Order Details

Order Number:	304885831_1_1
Customer Ref:	Llanwern 4c 4g 4e
National Grid Reference:	336080, 186650
Slice:	A
Site Area (Ha):	8.34
Search Buffer (m):	100

Site Details

Site at 336079,186662

336200

336400

336600

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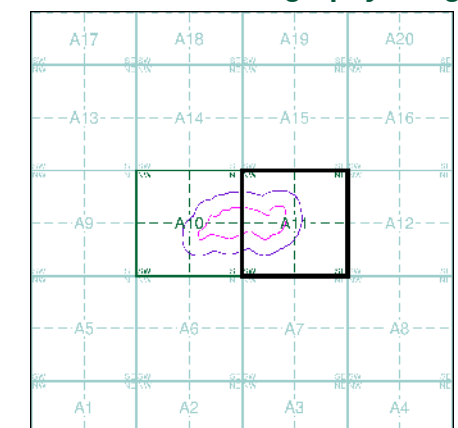
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Historical Aerial Photography

Published 2001

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

Historical Aerial Photography - Segment A11



Order Details

Order Number: 304885831_1_1
 Customer Ref: Llanwern 4c 4g 4e
 National Grid Reference: 336080, 186650
 Slice: A
 Site Area (Ha): 8.34
 Search Buffer (m): 100

Site Details

Site at 336079,186662

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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

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

1:10,000 Raster Mapping

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

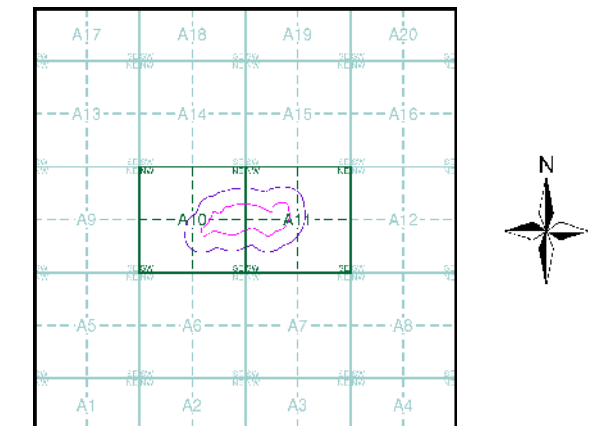
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Historical Mapping & Photography included:

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 - 1954	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 - 1989	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
VectorMap Local	1:10,000	2022	17

Historical Map - Slice A



Order Details

Order Number: 304885831_1_1
Customer Ref: Llanwern 4c 4g 4e
National Grid Reference: 336080, 186650
Slice: A
Site Area (Ha): 8.34
Search Buffer (m): 1000

Site Details

Site at 336079,186662

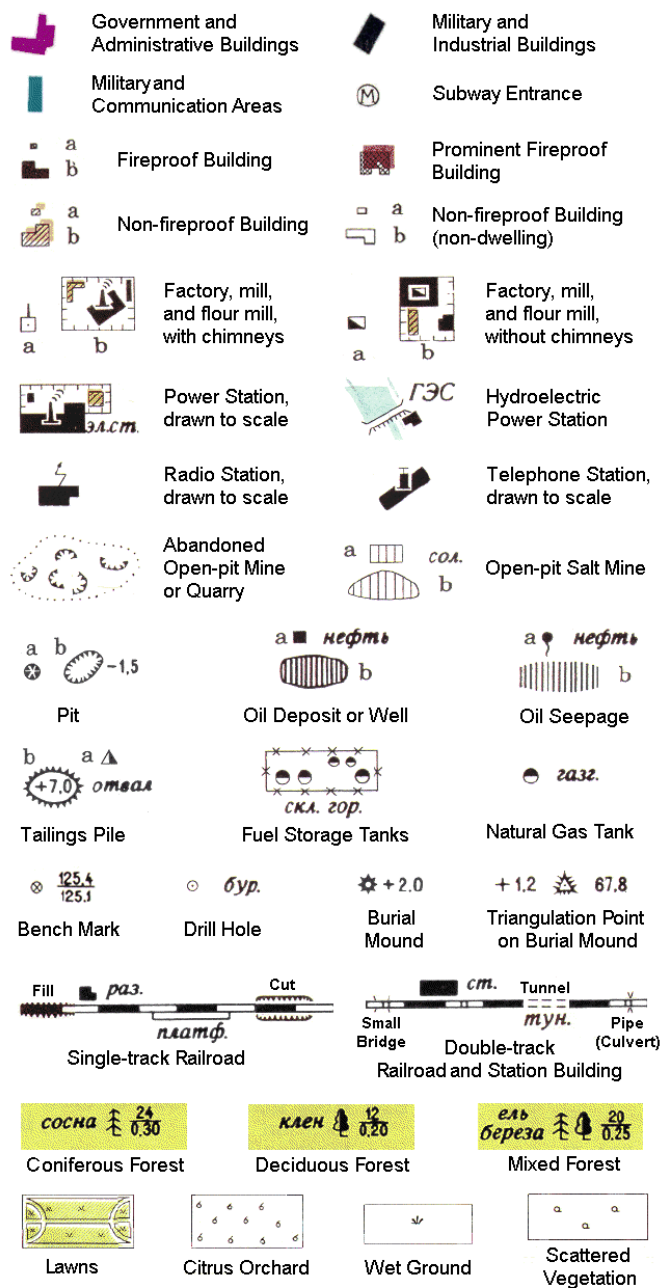
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Russian Military Mapping Legends

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

a. Not drawn to scale b. Drawn to scale



243.8 Values for prominent elevations

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

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

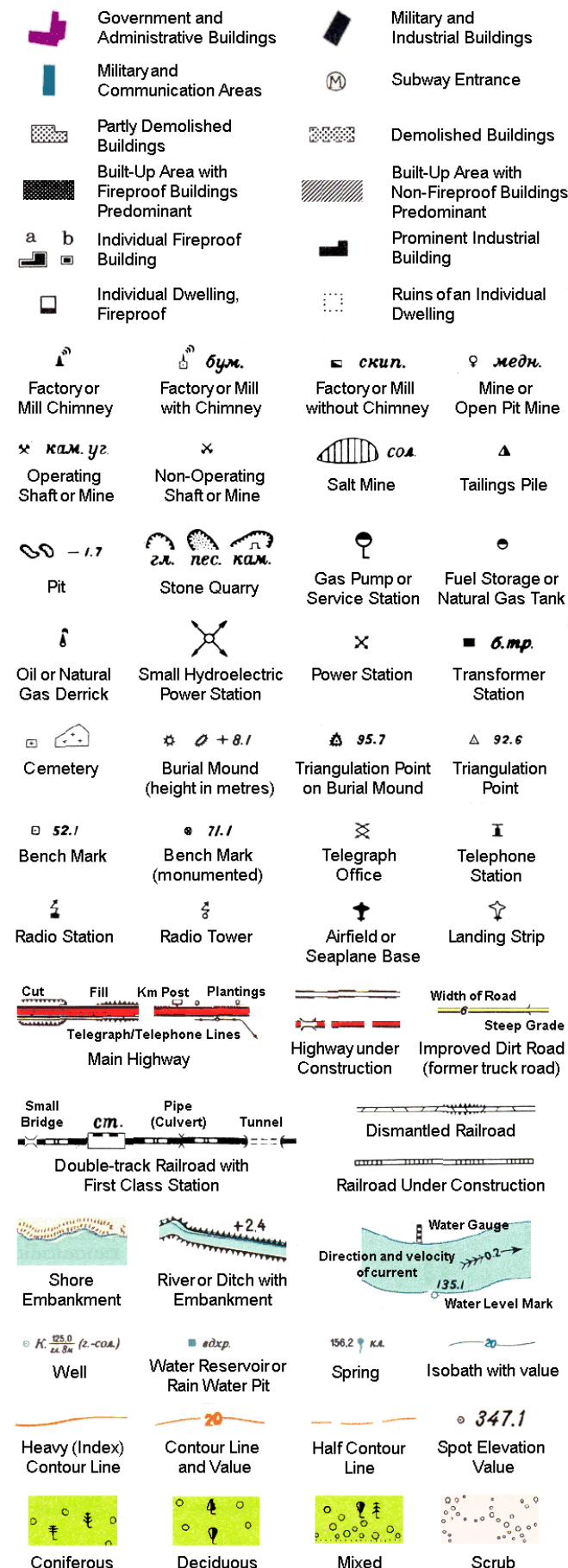
180/12 Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

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



Key to Numbers on Mapping

ST38NE Newport

No.	Description
29	Mill (Steel)
71	Railway Station

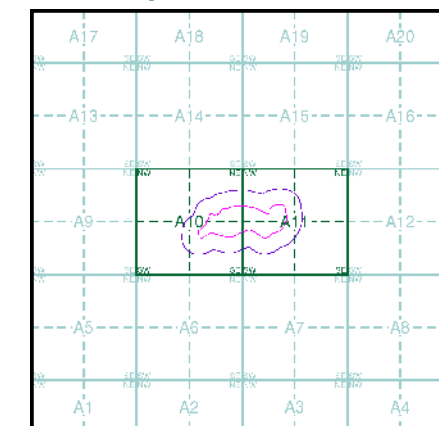
Envirocheck®

LANDMARK INFORMATION GROUP®

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 - 1954	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 - 1989	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
VectorMap Local	1:10,000	2022	17

Russian Map - Slice A



Order Details

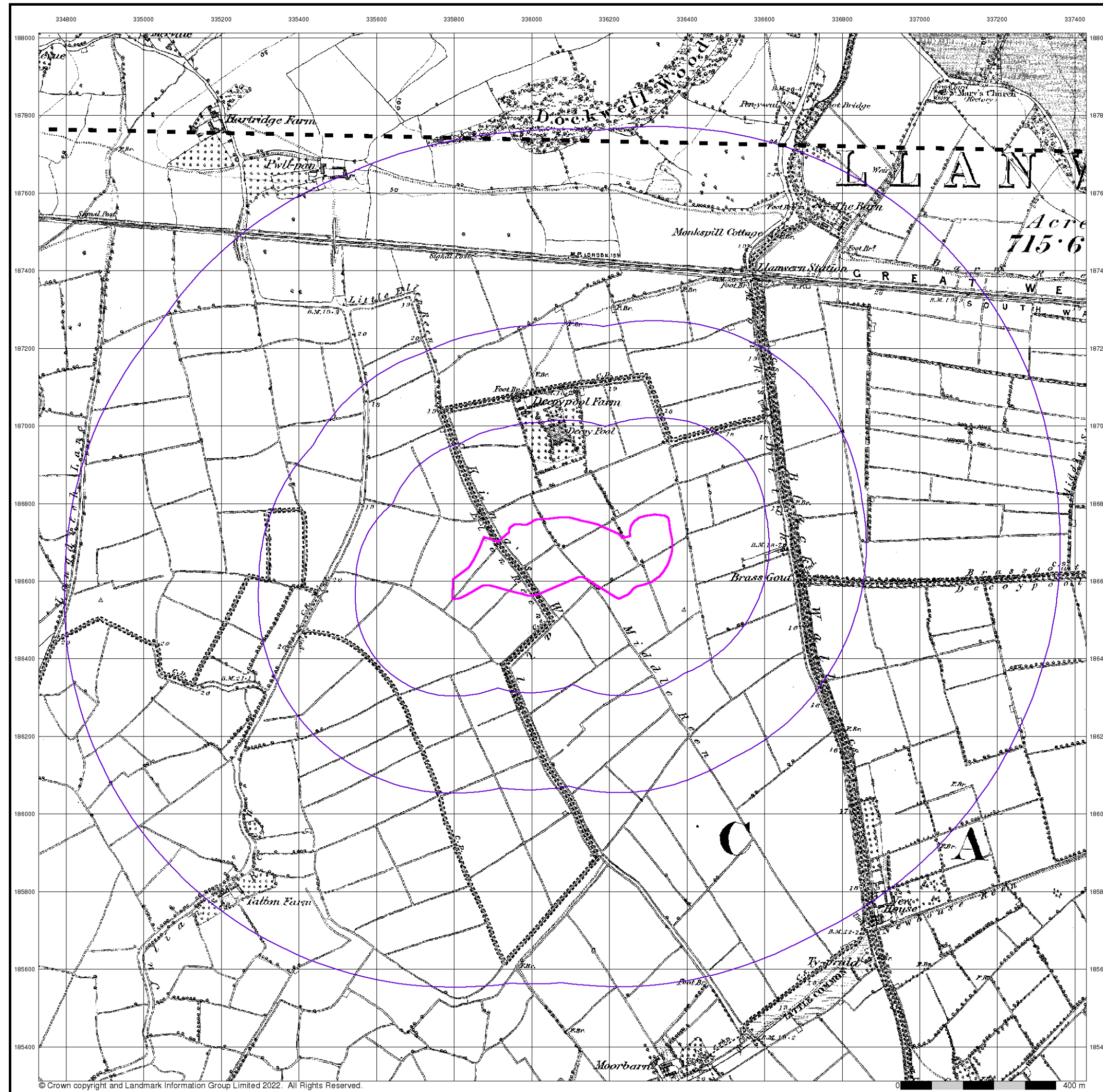
Order Number: 304885831_1_1
Customer Ref: Llanwern 4c 4g 4e
National Grid Reference: 336080, 186650
Slice: A
Site Area (Ha): 8.34
Search Buffer (m): 1000

Site Details

Site at 336079,186662

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Monmouthshire

Published 1886 - 1887

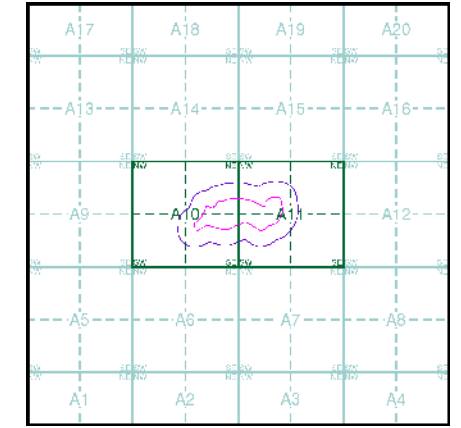
Source map scale - 1:10,560

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)

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

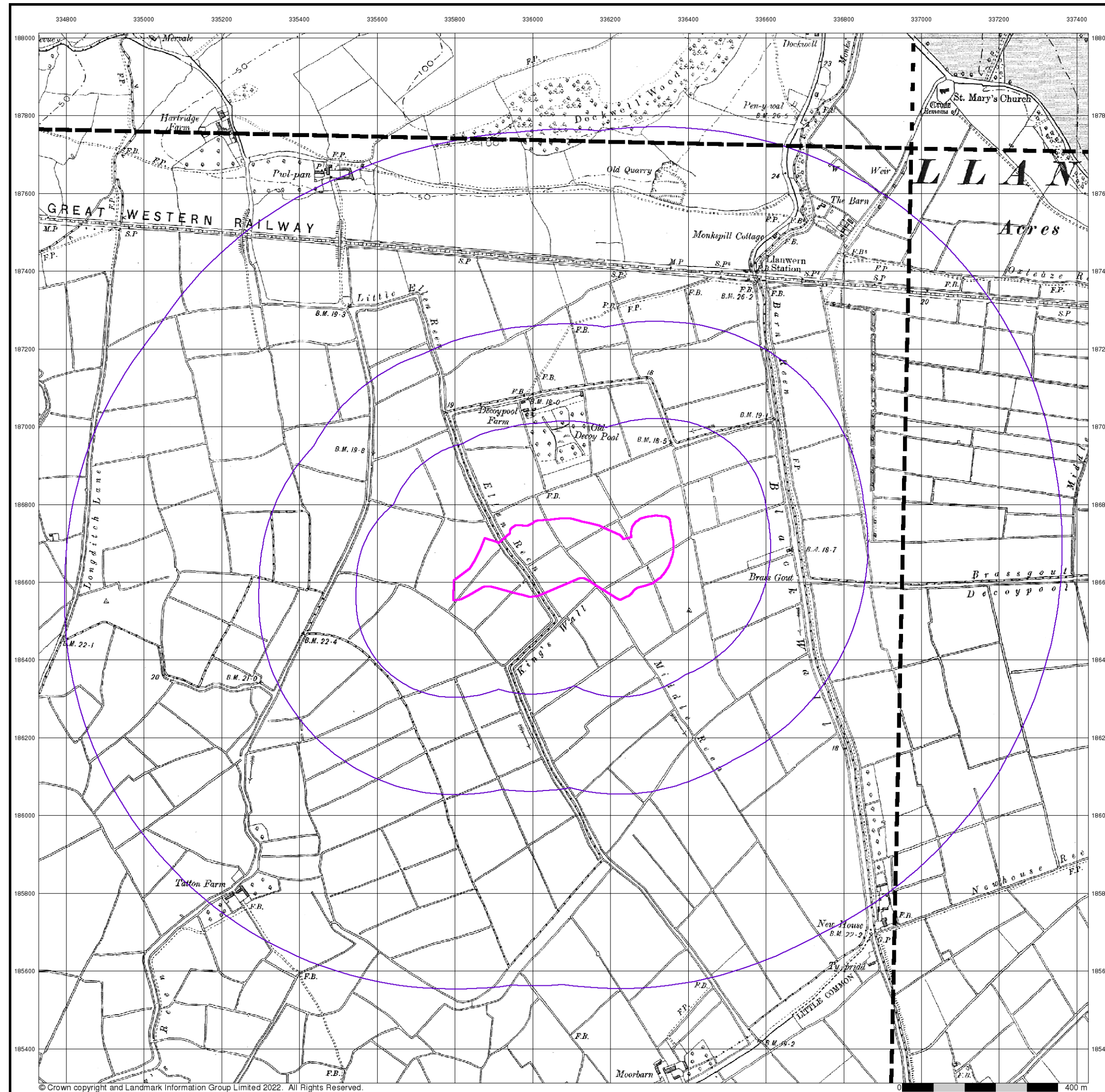
Historical Map - Slice A



Order Details	
Order Number:	304885831_1_1
Customer Ref:	Llanwern 4c 4g 4e
National Grid Reference:	336080, 186650
Slice:	A
Site Area (Ha):	8.34
Search Buffer (m):	1000

Site Details

Site at 336079,186662



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LANDMARK INFORMATION GROUP®

Monmouthshire

Published 1902

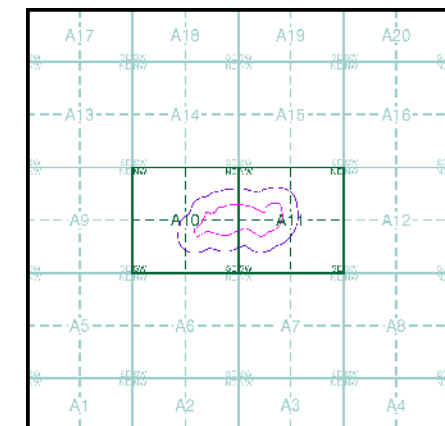
Source map scale - 1:10,560

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)

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

Historical Map - Slice A



Order Details

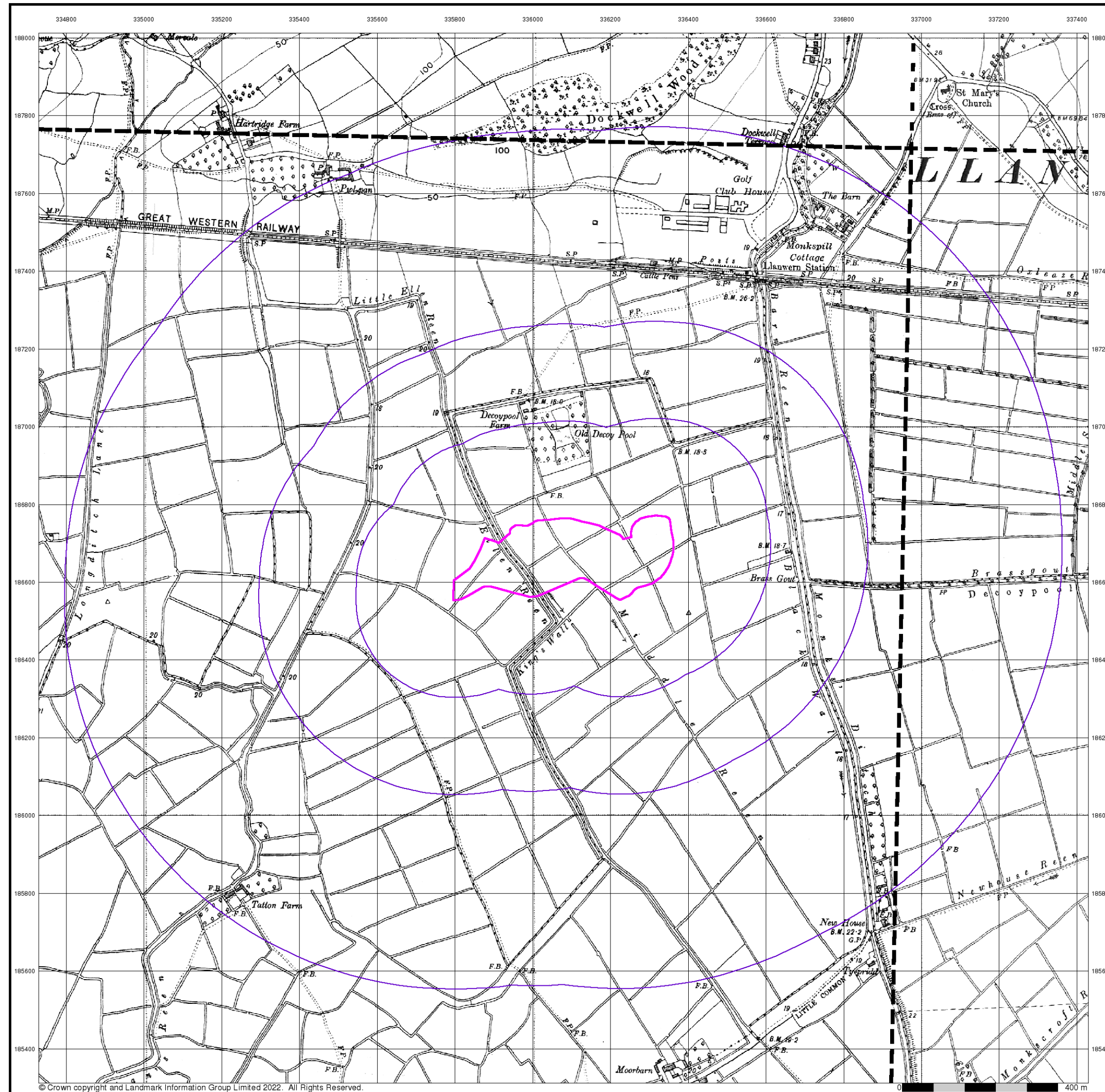
Order Number: 304885831_1_1
Customer Ref: Llanwern 4c 4g 4e
National Grid Reference: 336080, 186650
Slice: A
Site Area (Ha): 8.34
Search Buffer (m): 1000

Site Details

Site at 336079,186662

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Monmouthshire

Published 1938 - 1954

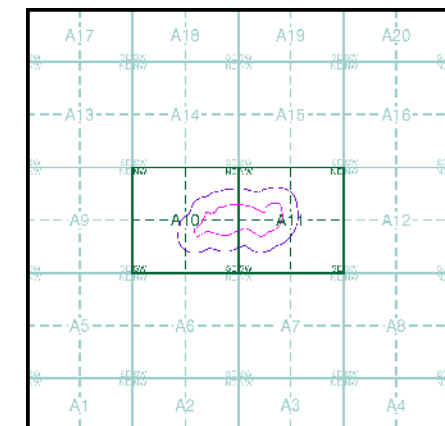
Source map scale - 1:10,560

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)

029SW 1938 1:10,560	029SE 1954 1:10,560
034NW 1938 1:10,560	034NE 1954 1:10,560

Historical Map - Slice A



Order Details

Order Number: 304885831_1_1
Customer Ref: Llanwern 4c 4g 4e
National Grid Reference: 336080, 186650
Slice: A
Site Area (Ha): 8.34
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Historical Aerial Photography

Published 1947

Source map scale - 1:10,560

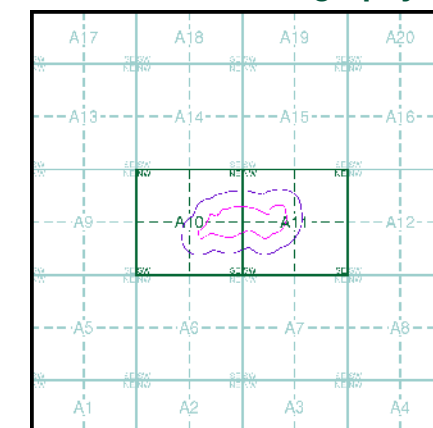
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the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

	ST38NW		ST38NE	
	1947		1947	
	1:10,560		1:10,560	

Historical Aerial Photography - Slice A



LIBRARY
HSILIRB

Order Details

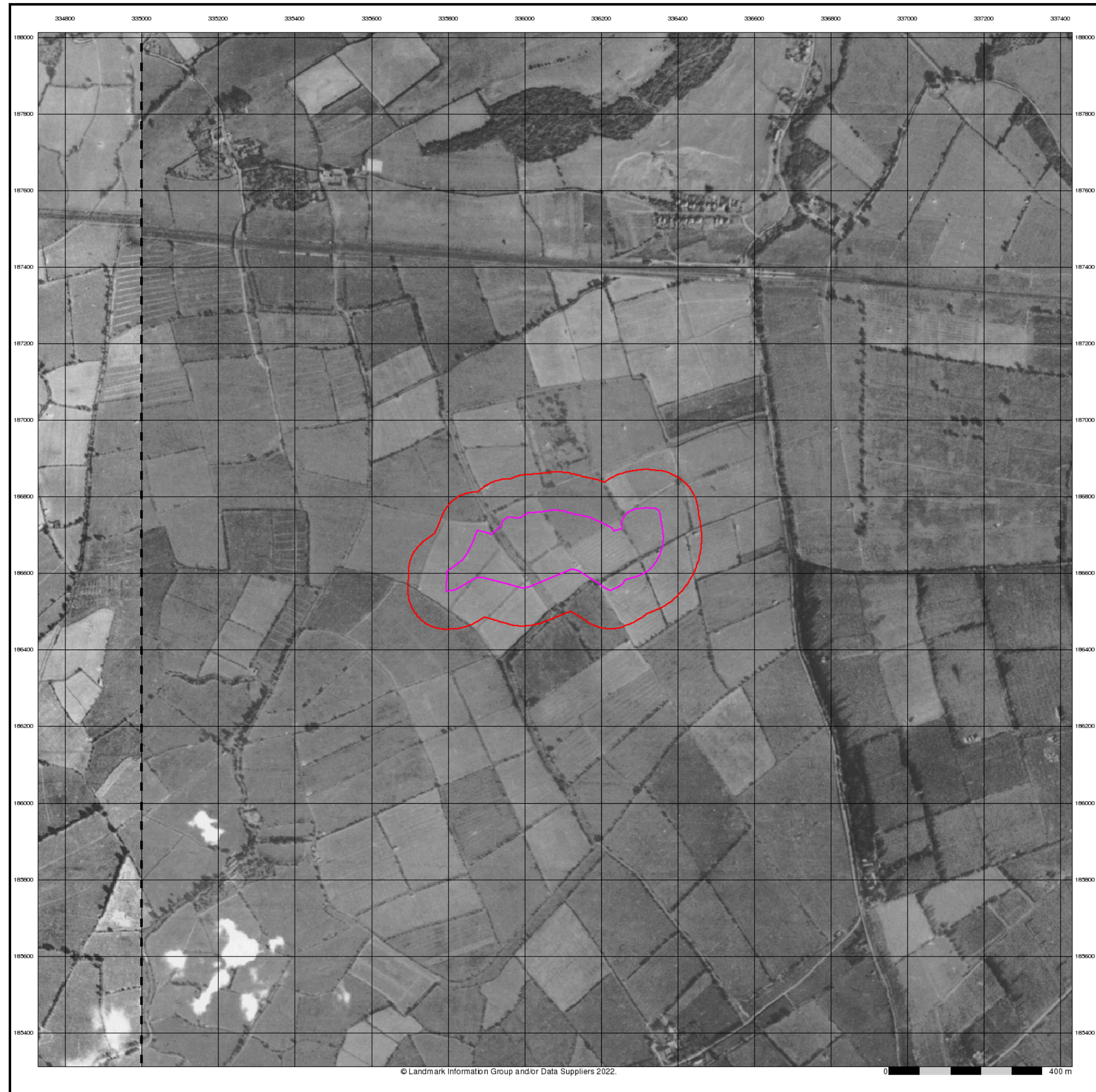
Order Number: 304885831_1_1
Customer Ref: Llanwern 4c 4g 4e
National Grid Reference: 336080, 186650
Slice: A
Site Area (Ha): 8.34
Search Buffer (m): 1000

Site Details

Site at 336079,186662

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Historical Aerial Photography

Published 1947

Source map scale - 1:10,560

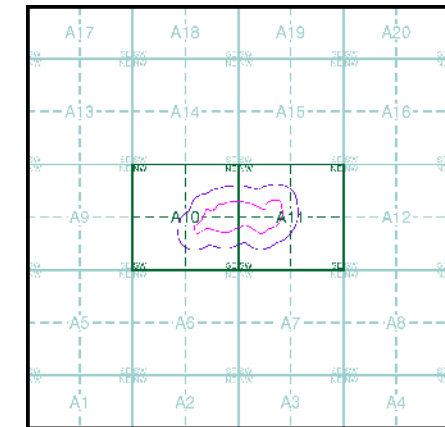
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the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

	ST38NW		ST38NE	
	1947		1947	
	1:10,560		1:10,560	

Historical Aerial Photography - Slice A

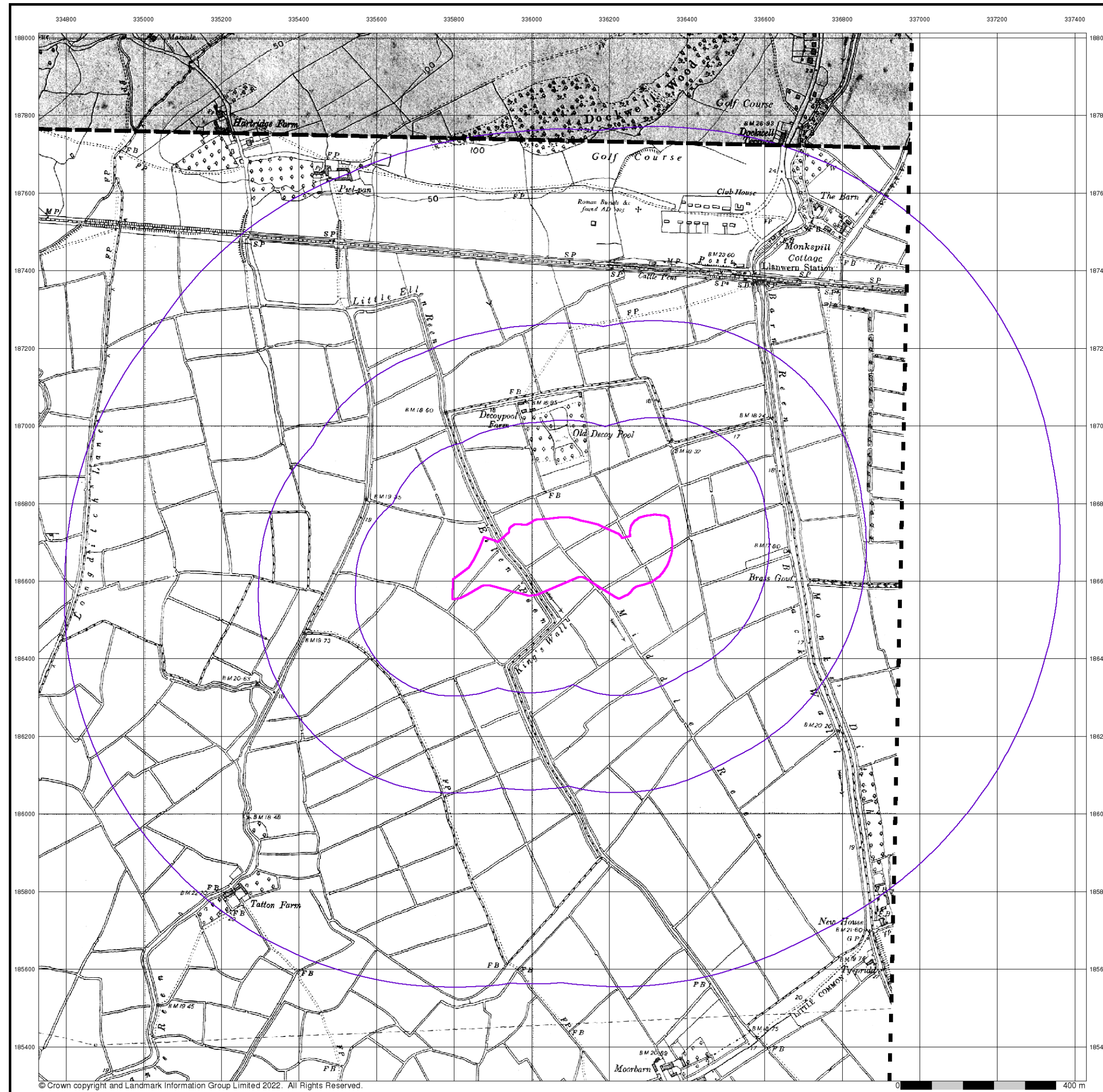


Order Details

Order Number: 304885831_1_1
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National Grid Reference: 336080, 186650
Slice: A
Site Area (Ha): 8.34
Search Buffer (m): 1000

Site Details

Site at 336079,186662



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Monmouthshire

Published 1954

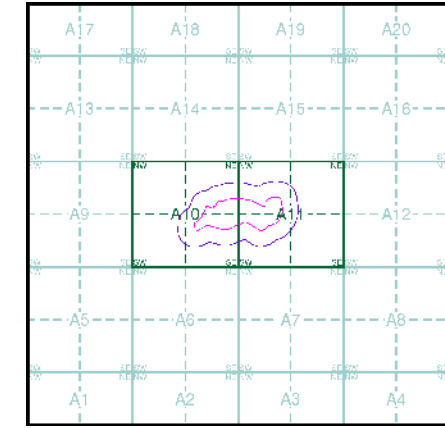
Source map scale - 1:10,560

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)

029SW
1954
1:10,560
034NW
1954
1:10,560

Historical Map - Slice A

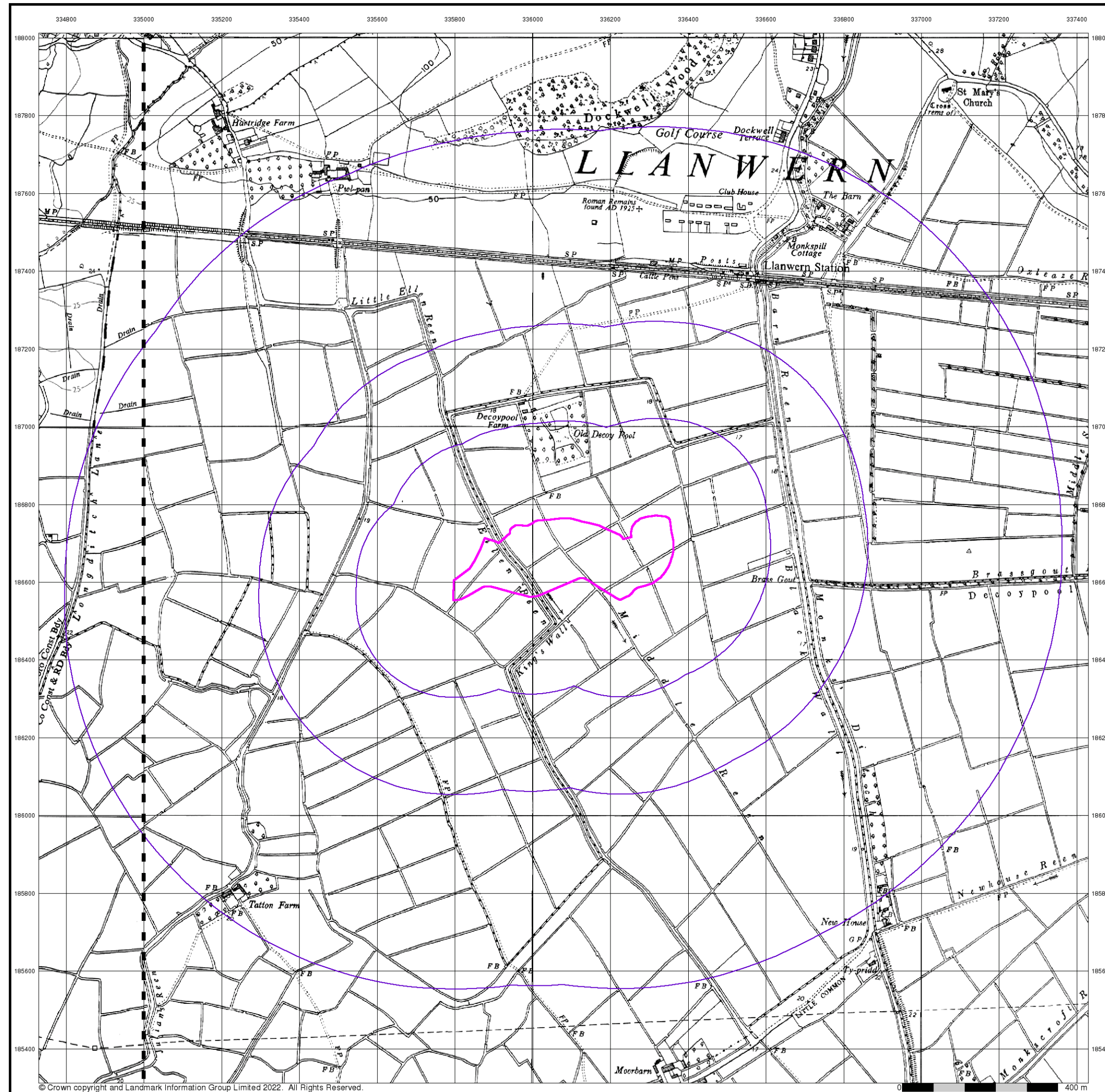


Order Details

Order Number: 304885831_1_1
Customer Ref: Llanwern 4c 4g 4e
National Grid Reference: 336080, 186650
Slice: A
Site Area (Ha): 8.34
Search Buffer (m): 1000

Site Details

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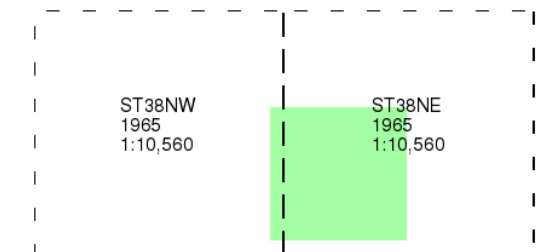
Ordnance Survey Plan

Published 1965

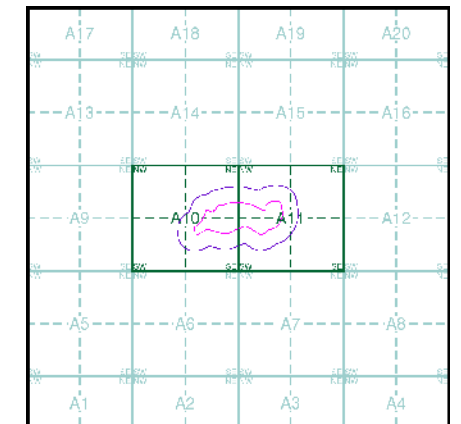
Source map scale - 1:10,000

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

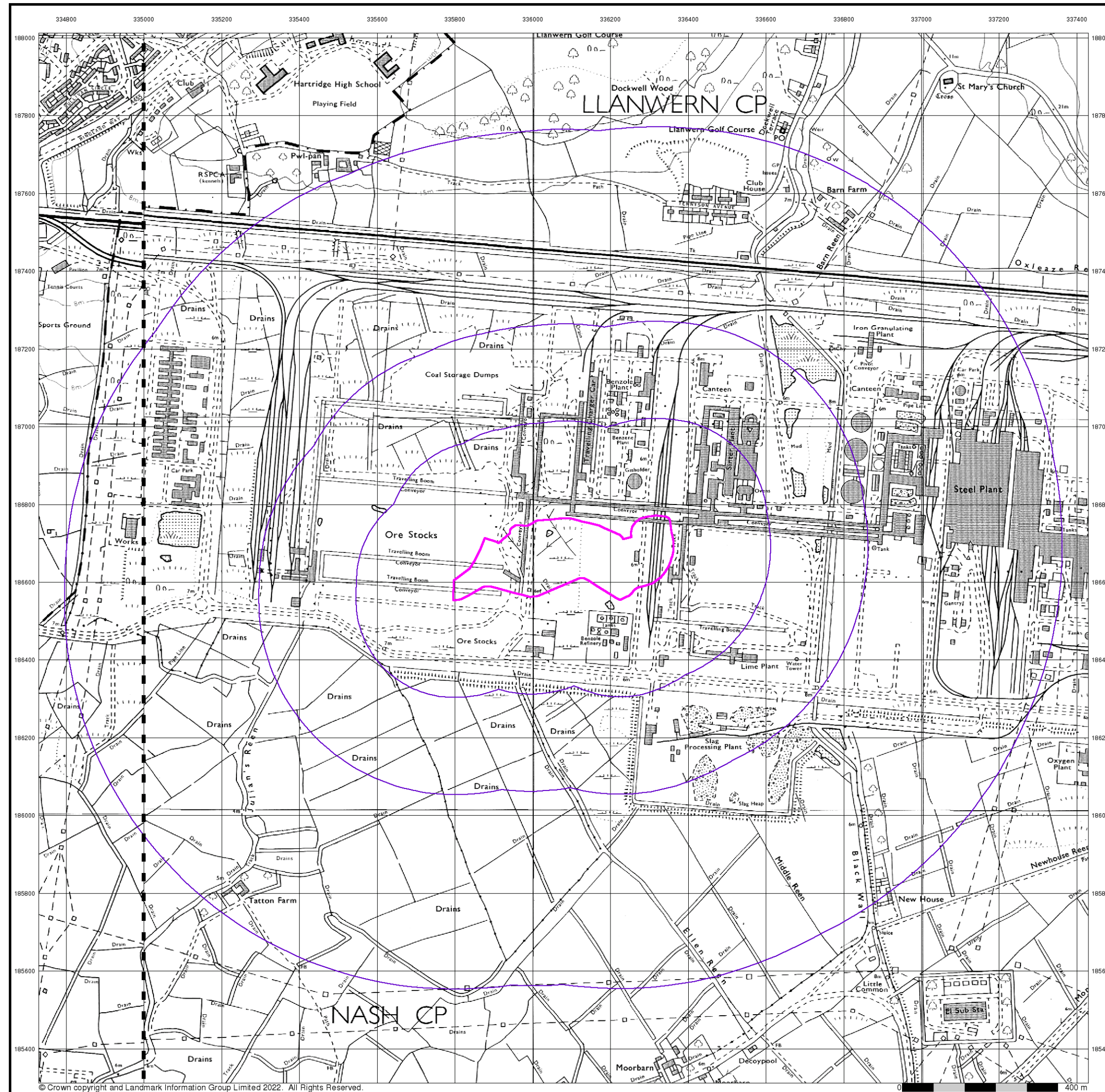
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Slice: A
Site Area (Ha): 8.34
Search Buffer (m): 1000

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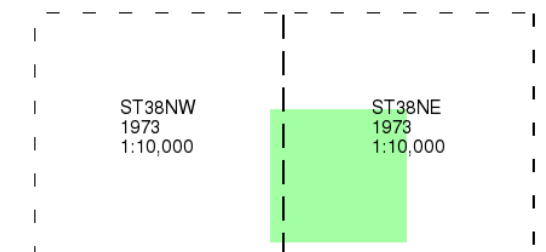
Ordnance Survey Plan

Published 1973

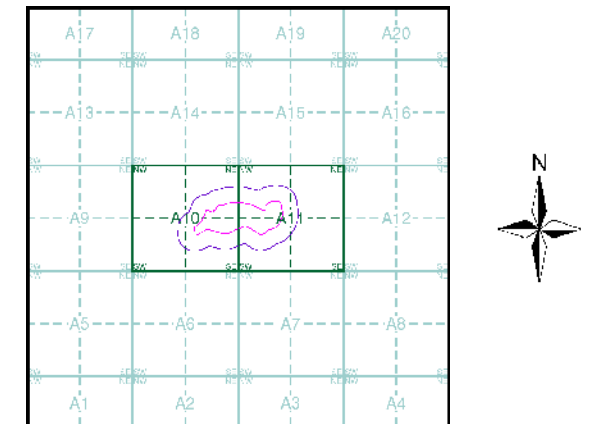
Source map scale - 1:10,000

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

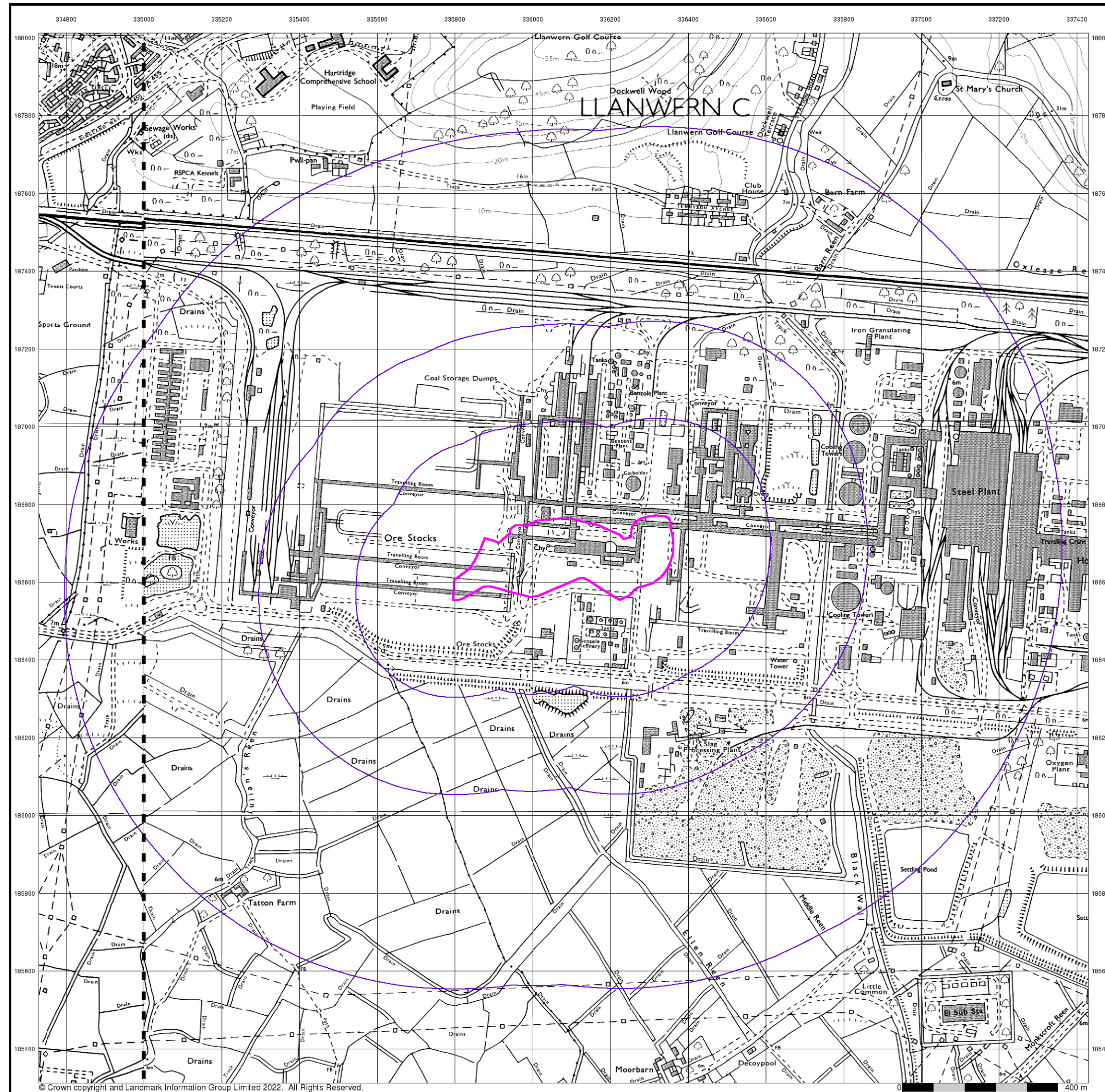
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Customer Ref: Llanwern 4c 4g 4e
National Grid Reference: 336080, 186650
Slice: A
Site Area (Ha): 8.34
Search Buffer (m): 1000

Site Details

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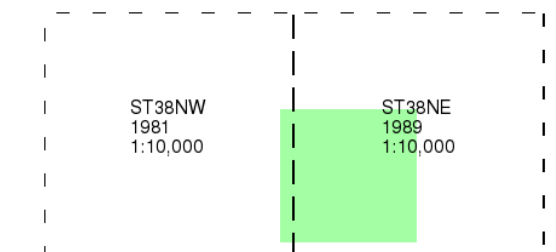
Ordnance Survey Plan

Published 1981 - 1989

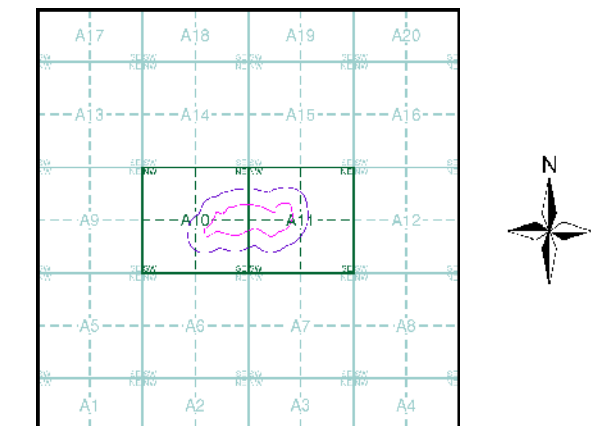
Source map scale - 1:10,000

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

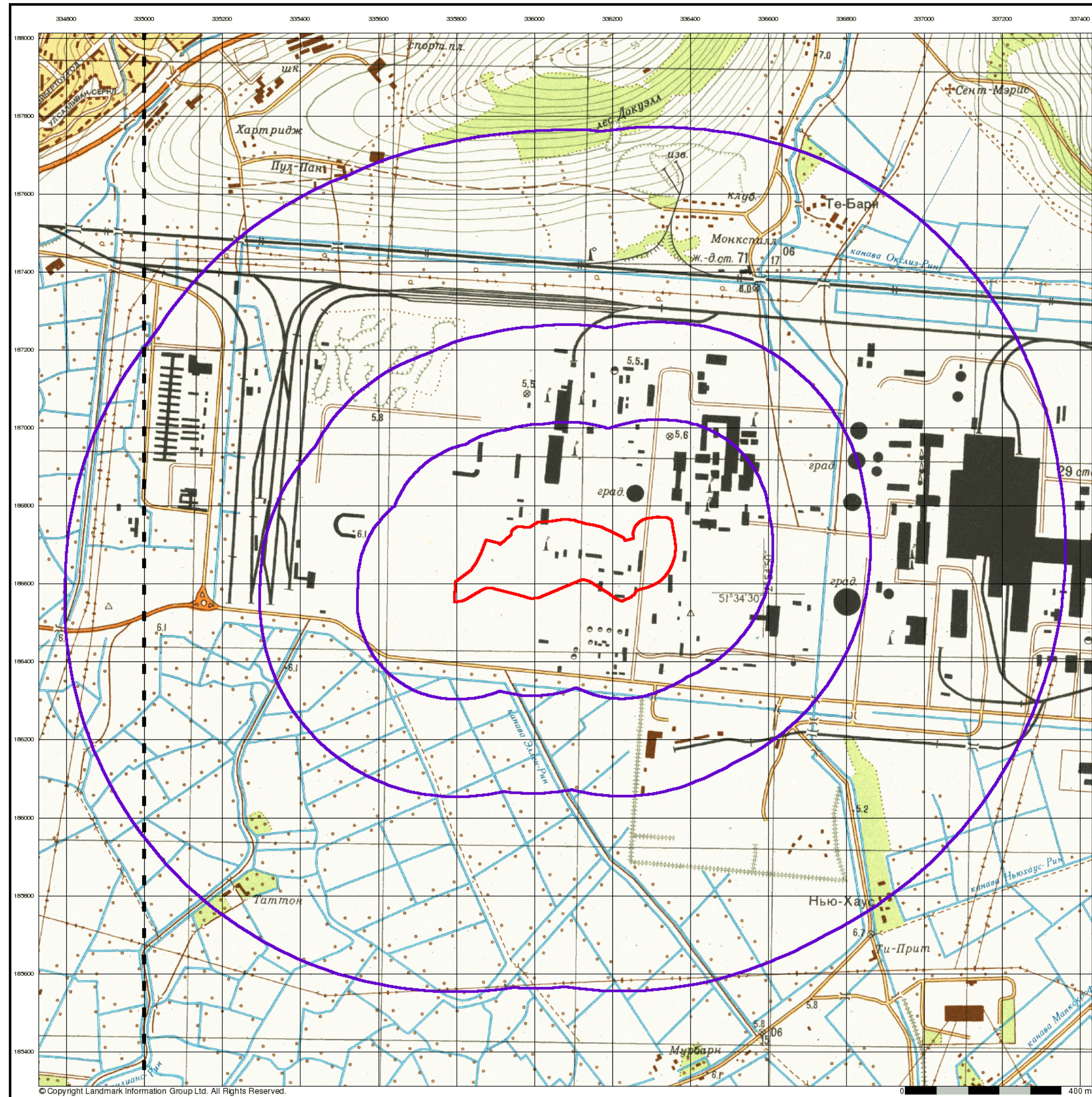
Order Number: 304885831_1_1
Customer Ref: Llanwern 4c 4g 4e
National Grid Reference: 336080, 186650
Slice: A
Site Area (Ha): 8.34
Search Buffer (m): 1000

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Newport

Published 1983

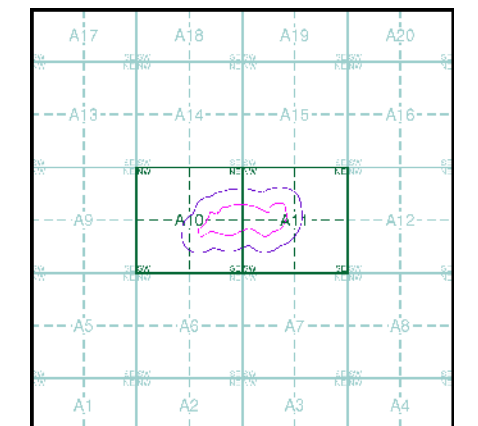
Source map scale - 1:10,000

These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use. They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

Map Name(s) and Date(s)

ST38NW 1983 1:10,000	ST38NE 1983 1:10,000
----------------------------	----------------------------

Russian Map - Slice A



Order Details

Order Number: 304885831_1_1
Customer Ref: Llanwern 4c 4g 4e
National Grid Reference: 336080, 186650
Slice: A
Site Area (Ha): 8.34
Search Buffer (m): 1000

Site Details

Site at 336079,186662

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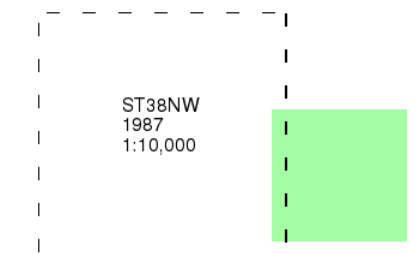
Ordnance Survey Plan

Published 1987

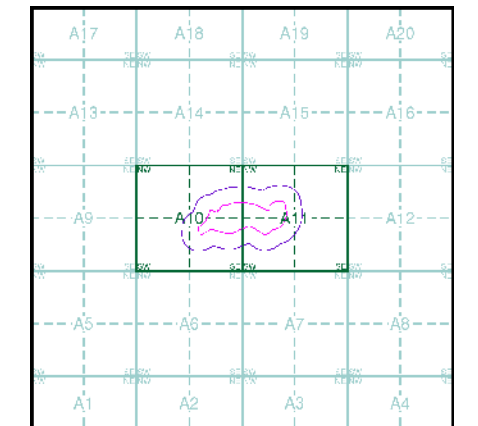
Source map scale - 1:10,000

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

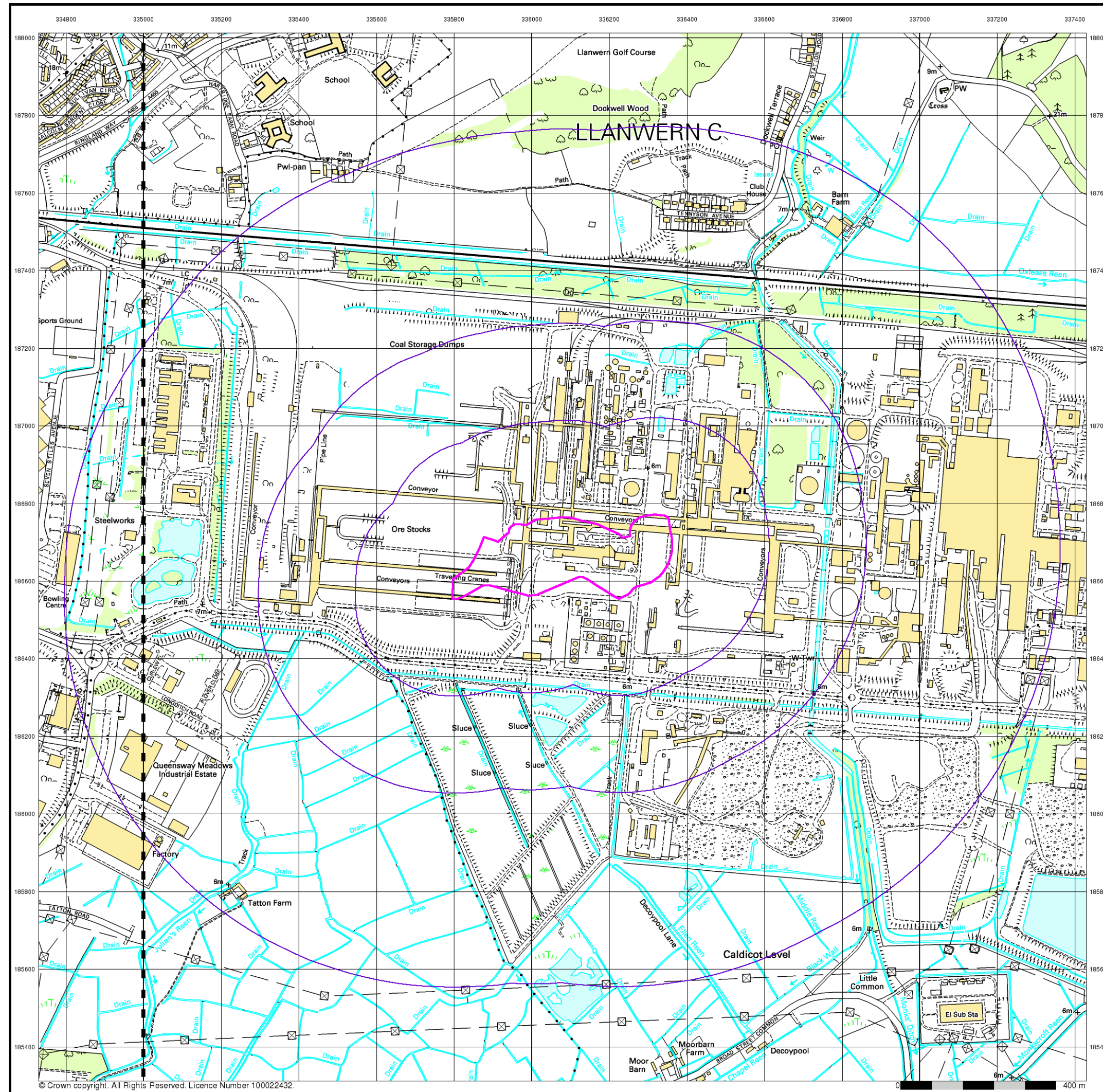


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National Grid Reference: 336080, 186650
Slice: A
Site Area (Ha): 8.34
Search Buffer (m): 1000

Site Details

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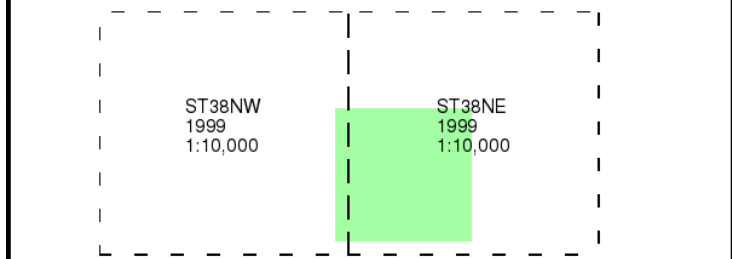
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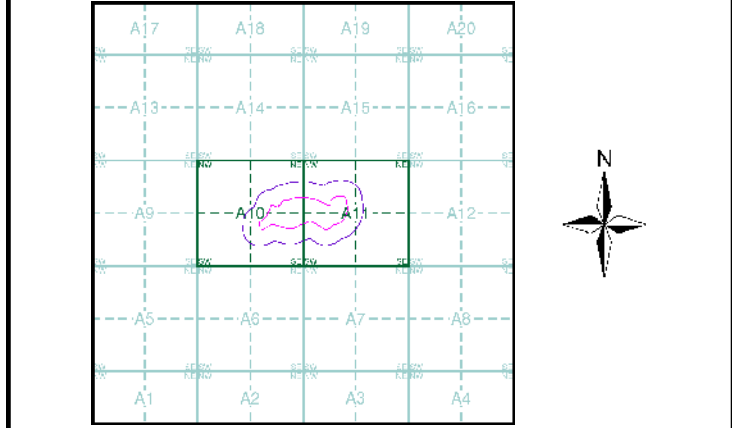
10k Raster Mapping
Published 1999
Source map scale - 1:10,000

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)



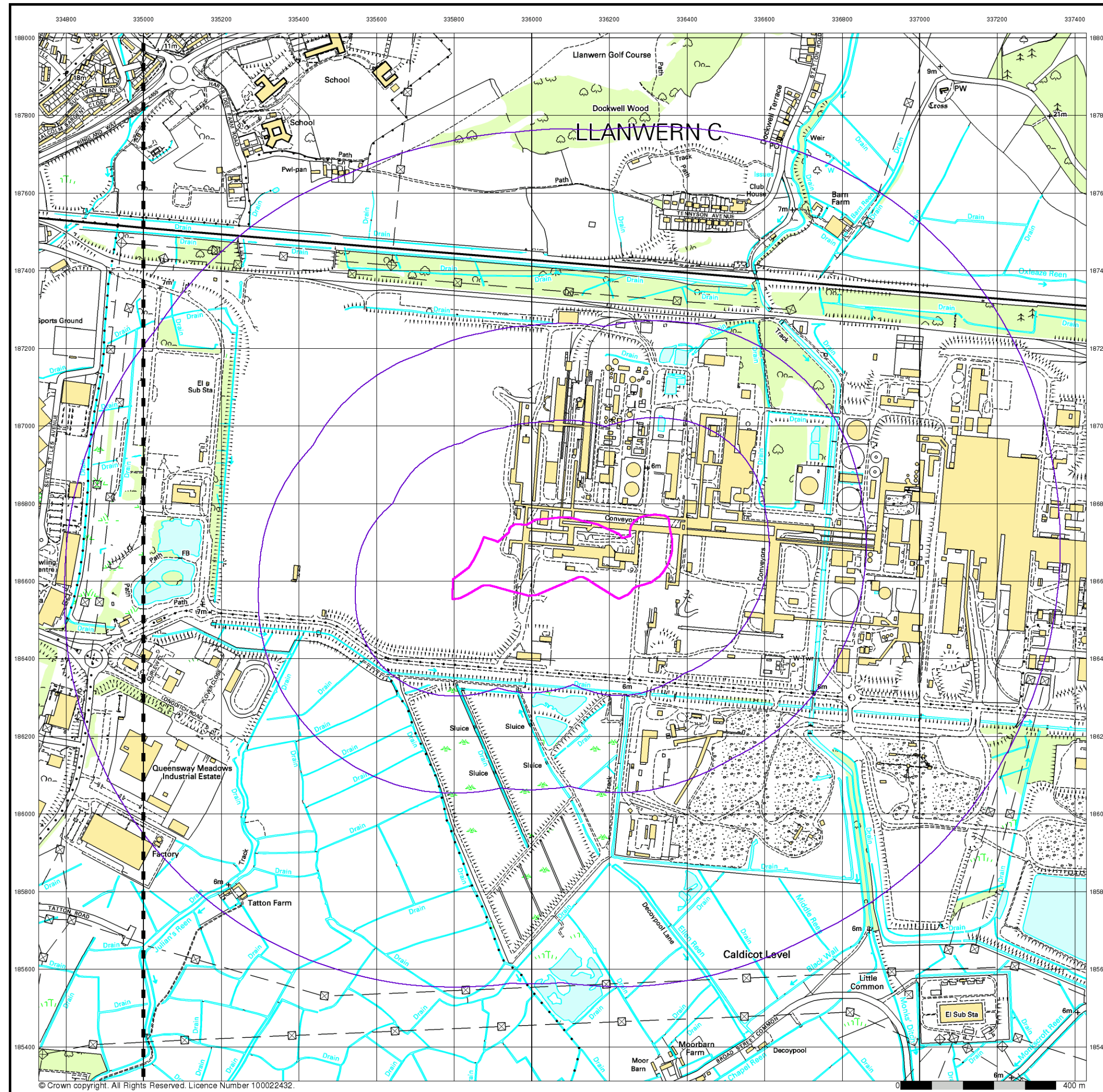
Historical Map - Slice A



Order Details
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Customer Ref: Llanwern 4c 4g 4e
National Grid Reference: 336080, 186650
Slice: A
Site Area (Ha): 8.34
Search Buffer (m): 1000

Site Details
Site at 336079,186662

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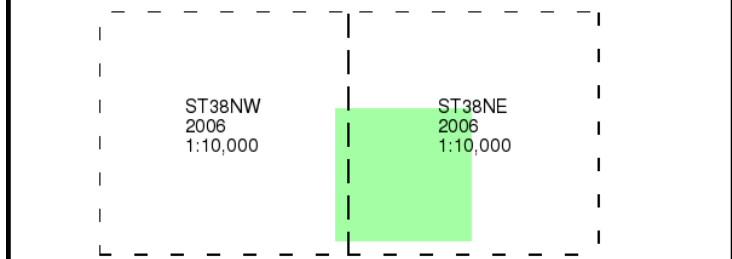
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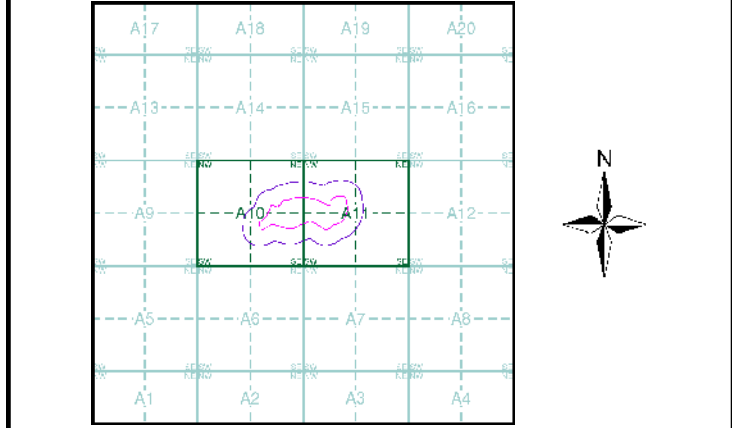
10k Raster Mapping
Published 2006
Source map scale - 1:10,000

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)



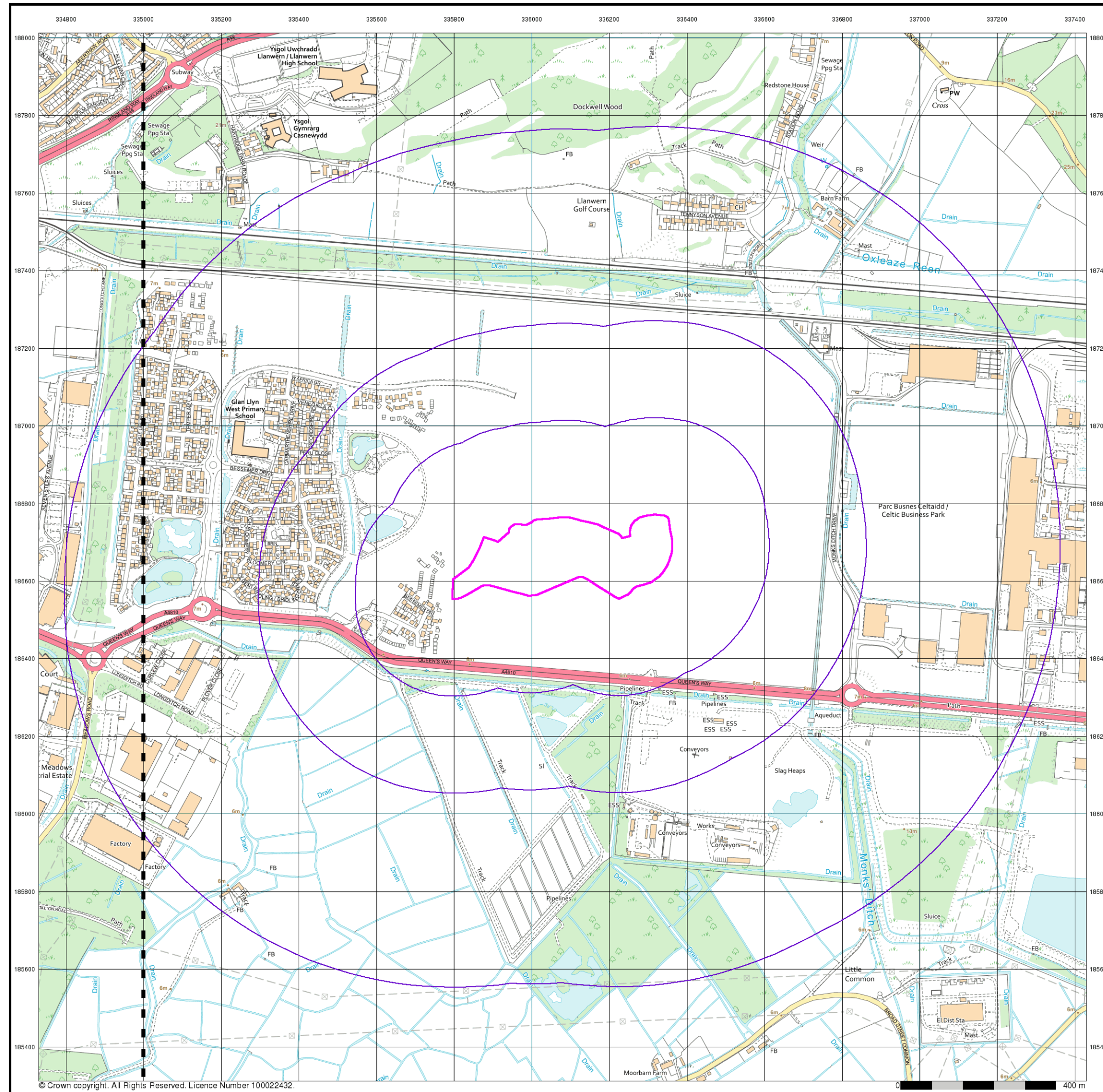
Historical Map - Slice A



Order Details
Order Number: 304885831_1_1
Customer Ref: Llanwern 4c 4g 4e
National Grid Reference: 336080, 186650
Slice: A
Site Area (Ha): 8.34
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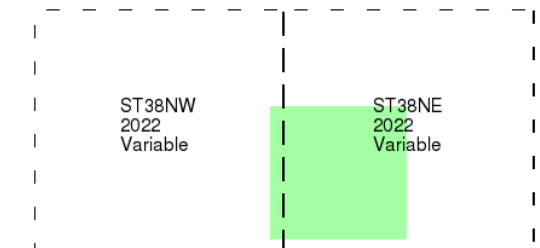
VectorMap Local

Published 2022

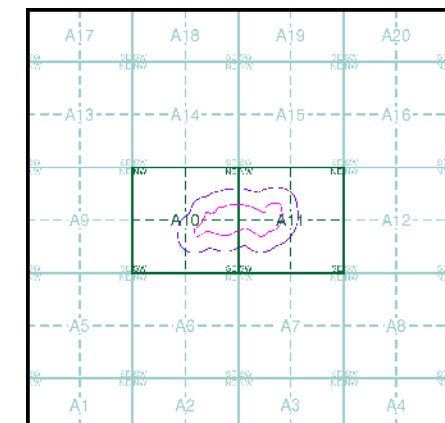
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 304885831_1_1
Customer Ref: Llanwern 4c 4g 4e
National Grid Reference: 336080, 186650
Slice: A
Site Area (Ha): 8.34
Search Buffer (m): 1000

Site Details

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Geology 1:50,000 Maps Legends

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	TFD	Tidal Flat Deposits	Clay and Silt	Not Supplied - Holocene
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	LVN	Lavernock Shales Member	Mudstone	Not Supplied - Hettangian
	PNG	Penarth Group	Mudstone	Not Supplied - Rhaetian
	STM	St Mary's Well Bay Member	Limestone and Mudstone, Interbedded	Not Supplied - Rhaetian
	BAN	Blue Anchor Formation	Mudstone and Siltstone	Not Supplied - Norian
	BAN	Blue Anchor Formation	Mudstone	Not Supplied - Norian
	MMG	Mercia Mudstone Group	Mudstone	Not Supplied - Early Triassic
	SMG	St Maughans Formation	Argillaceous Rocks and [Subequal/Subordinate] Sandstone, Interbedded	Not Supplied - Early Devonian
		Faults		

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Geology 1:50,000 Maps

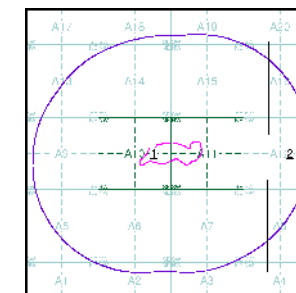
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published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

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

Geology 1:50,000 Maps Coverage

Map ID:	2	Map ID:	1
Map Sheet No:	Z50	Map Sheet No:	249
Map Name:	Chepstow	Map Name:	Newport
Map Date:	1981	Map Date:	1969
Bedrock Geology:	Available	Bedrock Geology:	Available
Superficial Geology:	Available	Superficial Geology:	Available
Artificial Geology:	Not Available	Artificial Geology:	Available
Faults:	Not Supplied	Faults:	Not Supplied
Landslip:	Available	Landslip:	Available
Rock Segments:	Not Supplied	Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice A



Order Details:

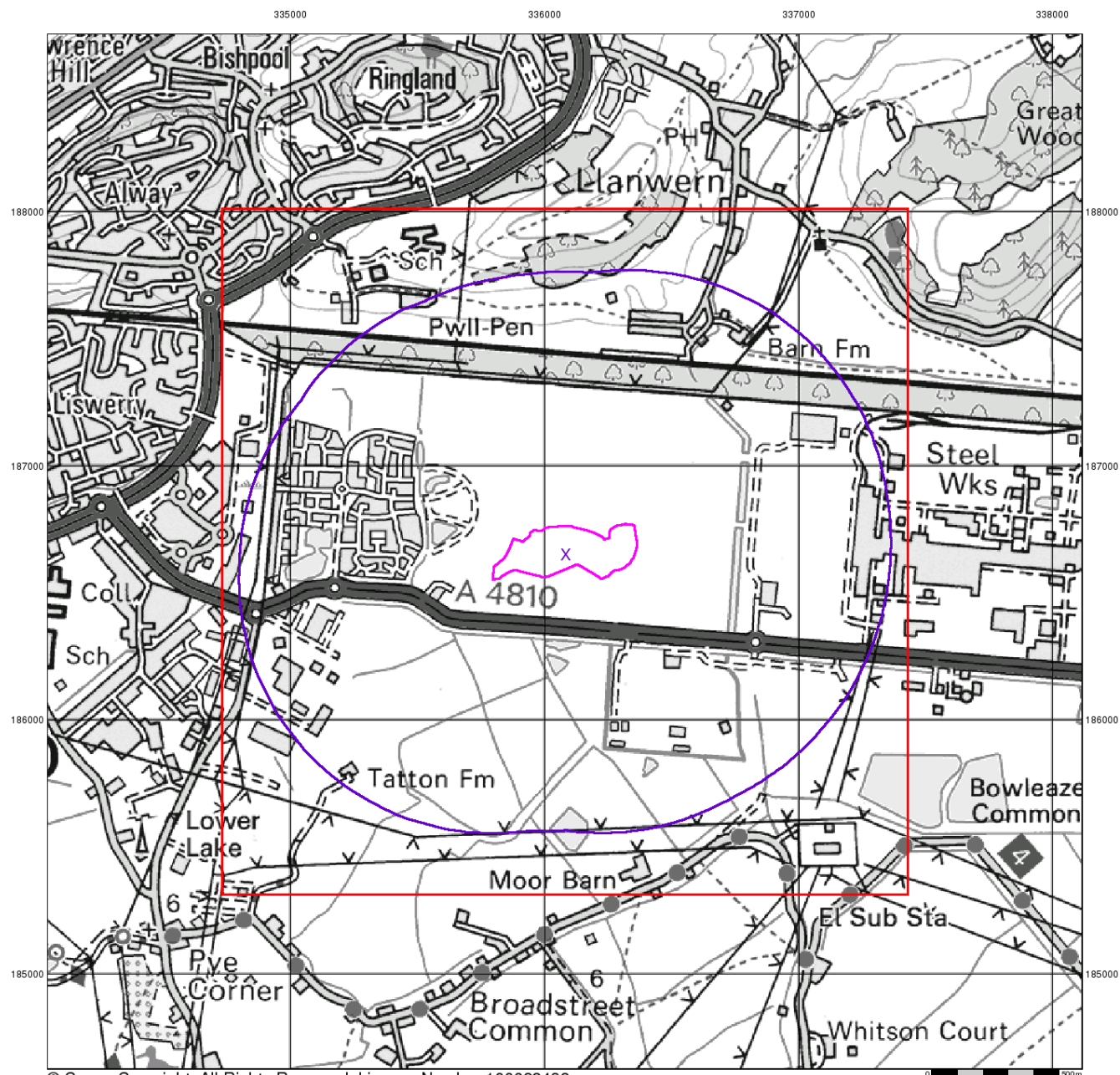
Order Number:	304885831_1_1
Customer Reference:	Llanwern 4c 4g 4e
National Grid Reference:	336080, 186650
Slice:	A
Site Area (Ha):	8.34
Search Buffer (m):	1000

Site Details:

Site at 336079,186662

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Artificial Ground and Landslip

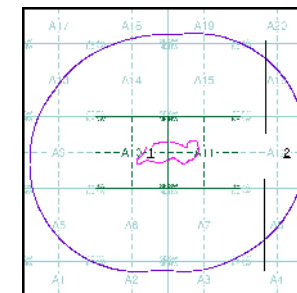
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial ground includes:

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

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

Artificial Ground and Landslip Map - Slice A



Order Details:

Order Number: 304885831_1_1
 Customer Reference: Llanwern 4C 4g 4e
 National Grid Reference: 336080, 186650
 Slice: A
 Site Area (Ha): 8.34
 Search Buffer (m): 1000

Site Details:

Site at 336079,186662

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v15.0 09-Dec-2022

Page 2 of 5

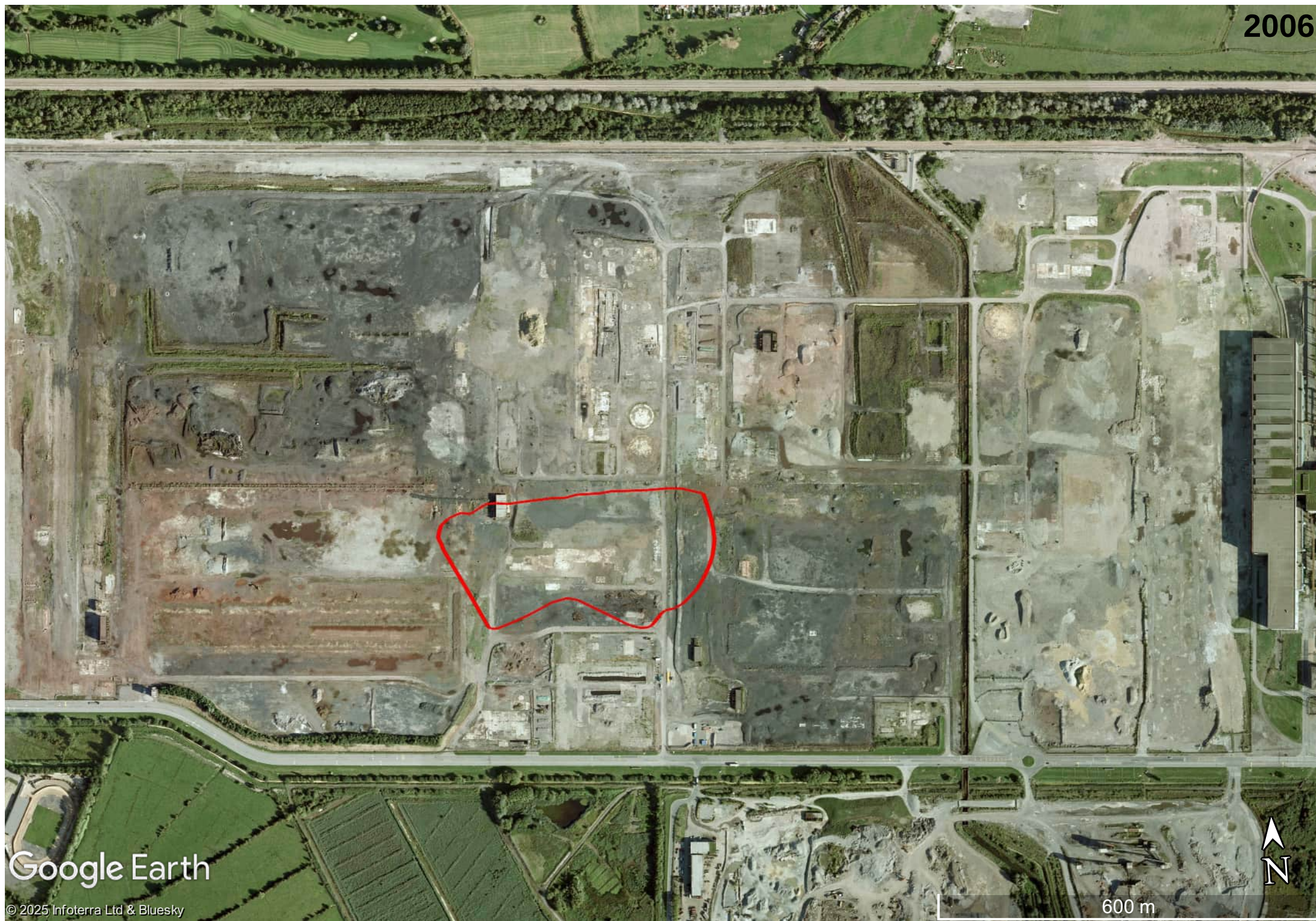
2004



Google Earth

Image © 2025 The GeoInformation Group

2006



Google Earth

© 2025 Infoterra Ltd & Bluesky

600 m



2015



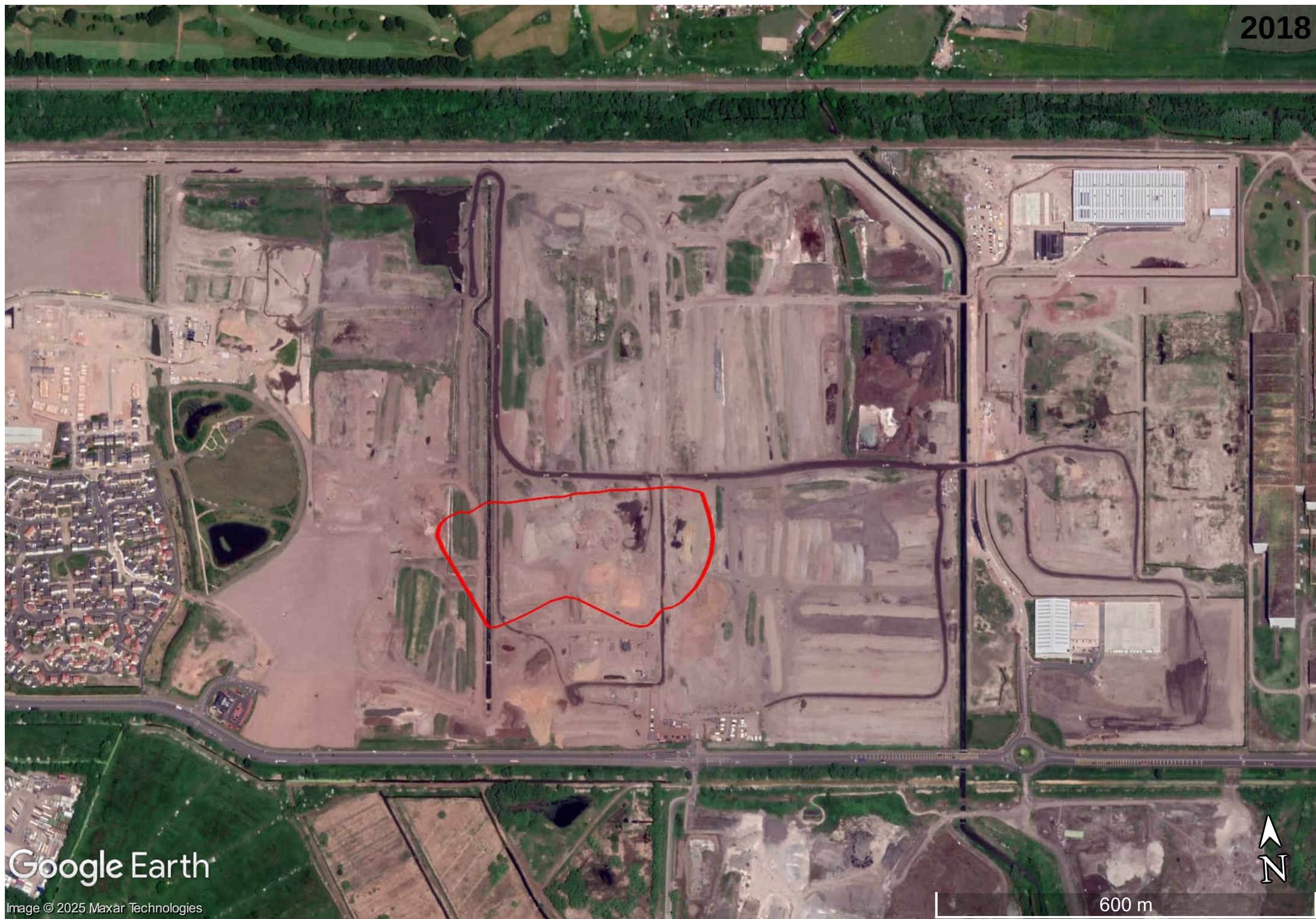
Google Earth

Image © 2025 Maxar Technologies



600 m

2018



Google Earth

Image © 2025 Maxar Technologies

600 m



2020



Google Earth

600 m



2021



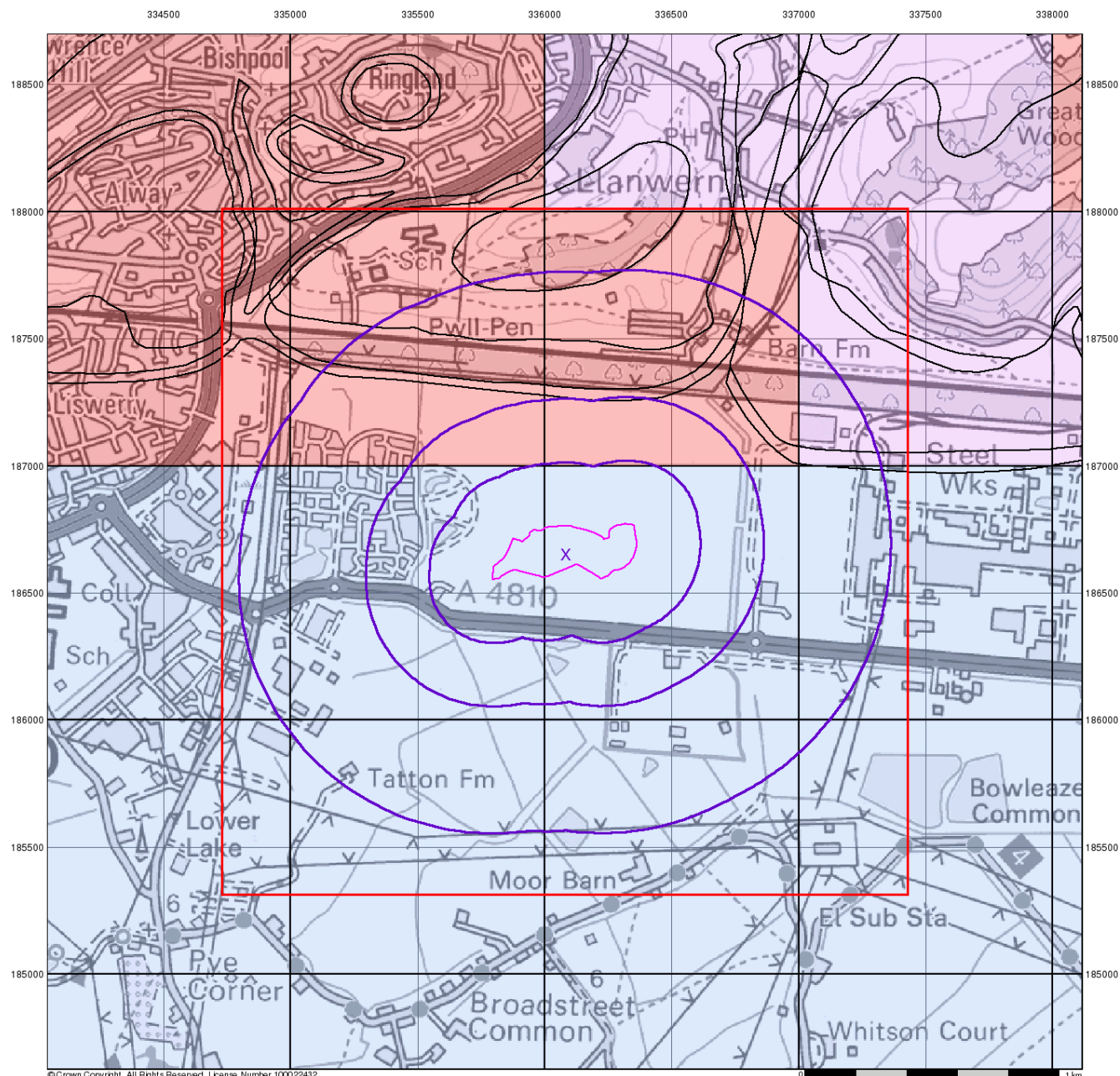
Google Earth



600 m

Appendix D

Envirocheck Report



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Groundwater Vulnerability

General

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

Agency and Hydrological

Bedrock Aquifers

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

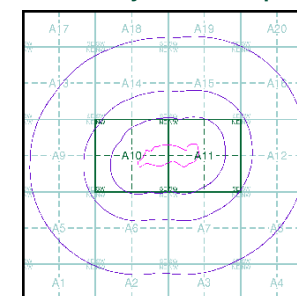
Superficial Aquifers

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

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice A



Order Details

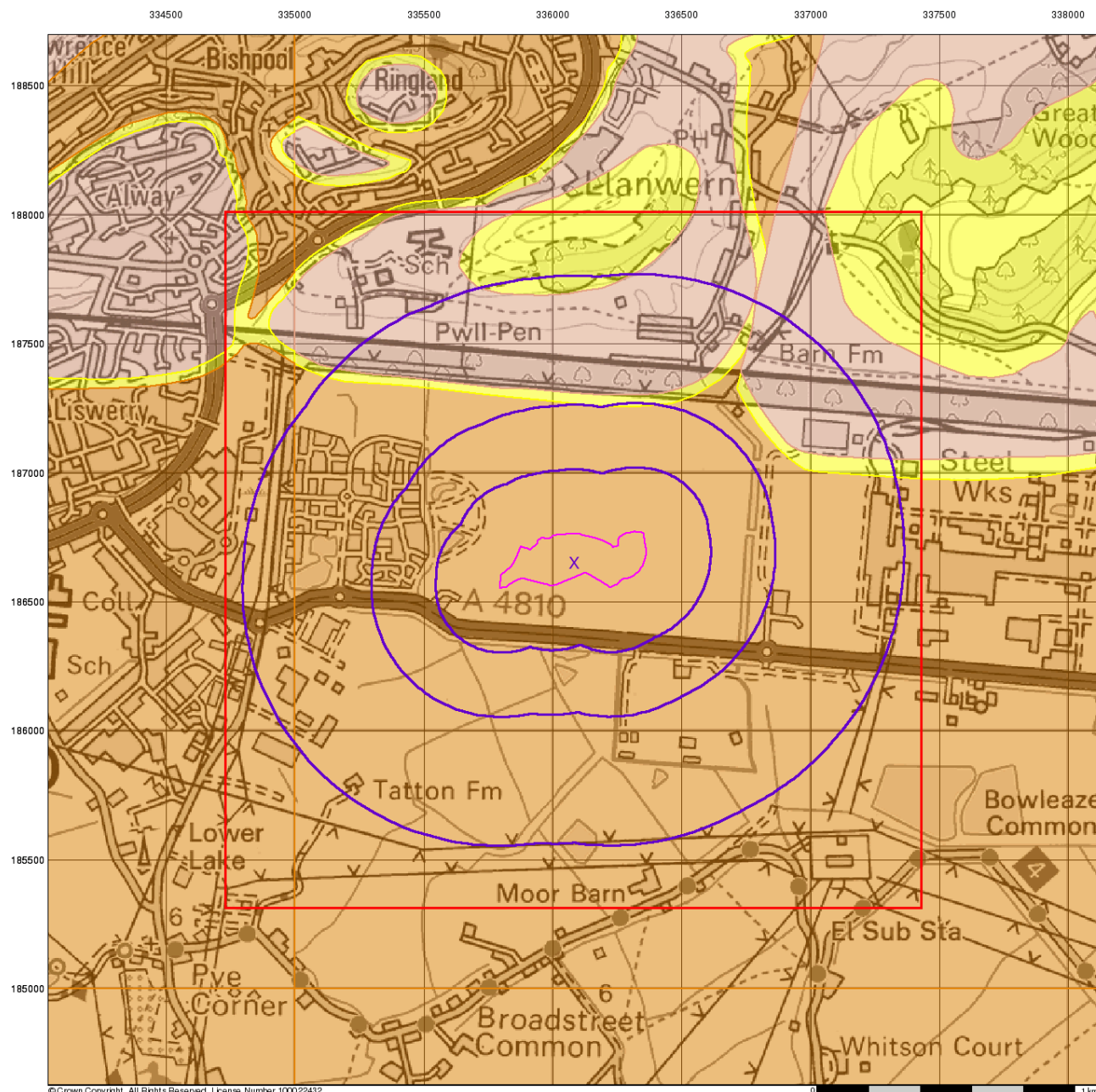
Order Number: 304885831_1_1
Customer Ref: Llanwern 4c 4g 4e
National Grid Reference: 336080, 186650
Slice: A
Site Area (Ha): 8.34
Search Buffer (m): 1000

Site Details

Site at 336079, 186662

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0 1 km

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Bedrock Aquifer Designation

General

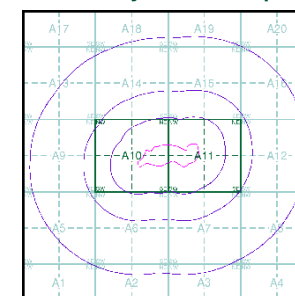
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

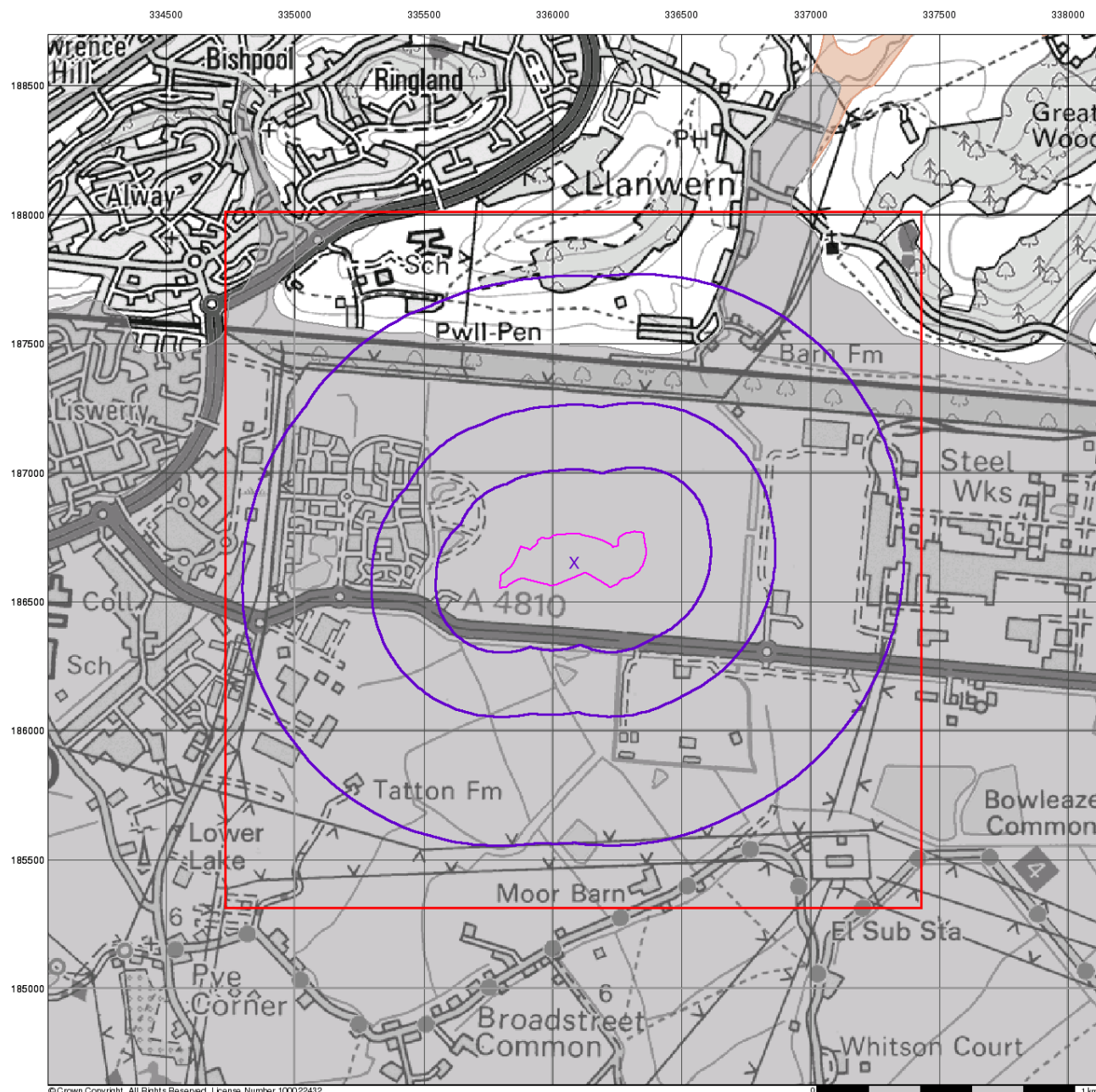
Order Number: 304885831_1_1
Customer Ref: Llanwern 4c 4g 4e
National Grid Reference: 336080, 186650
Slice: A
Site Area (Ha): 8.34
Search Buffer (m): 1000

Site Details

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0 1 km

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Superficial Aquifer Designation

General

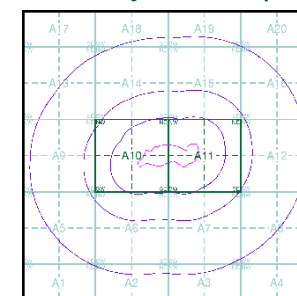
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

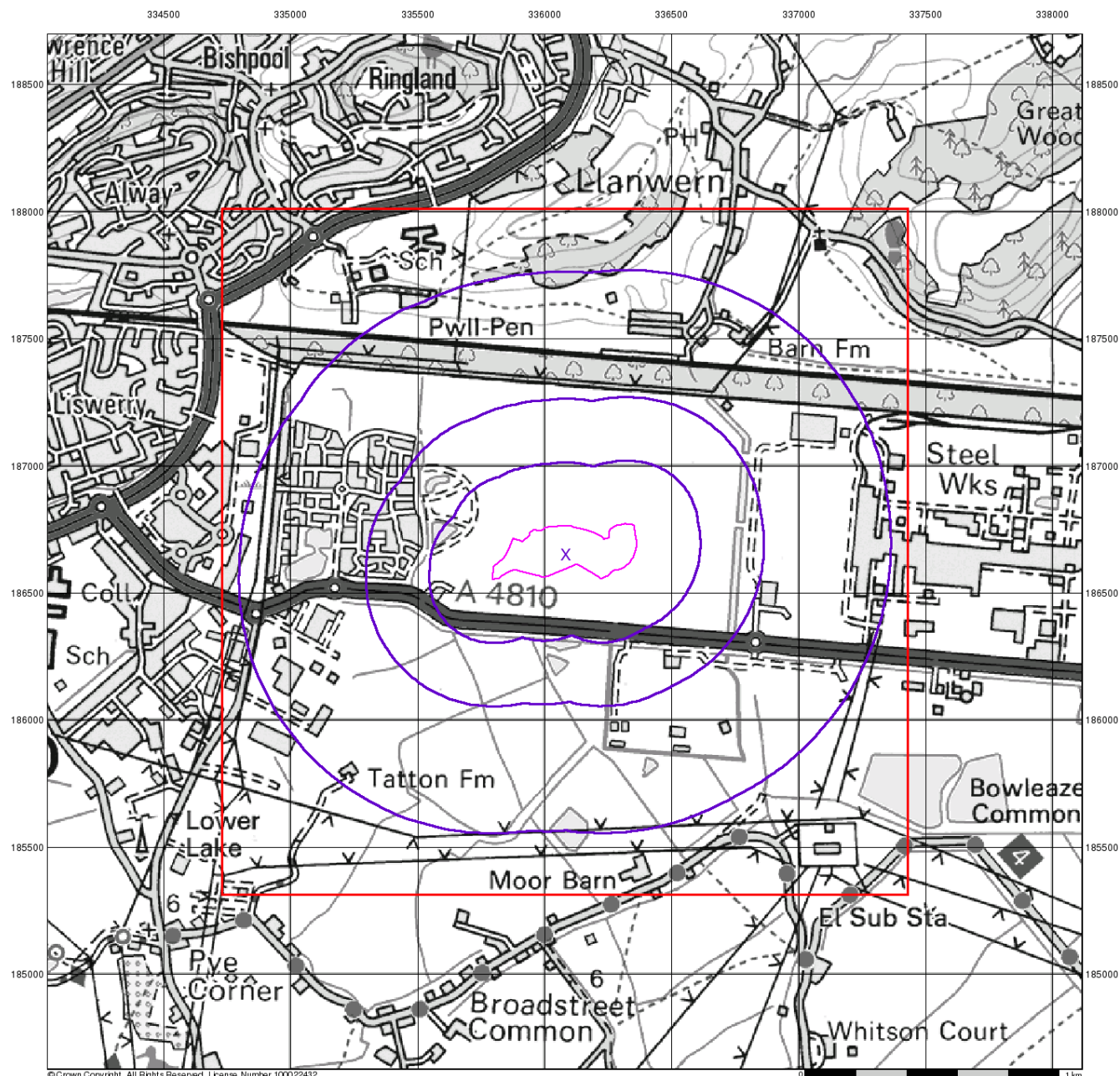
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Customer Ref: Llanwern 4c 4g 4e
National Grid Reference: 336080, 186650
Slice: A
Site Area (Ha): 8.34
Search Buffer (m): 1000

Site Details

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Source Protection Zones

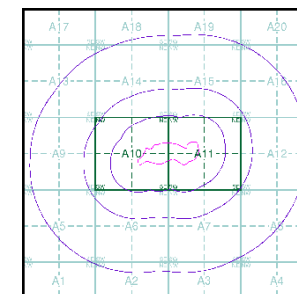
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



Order Details

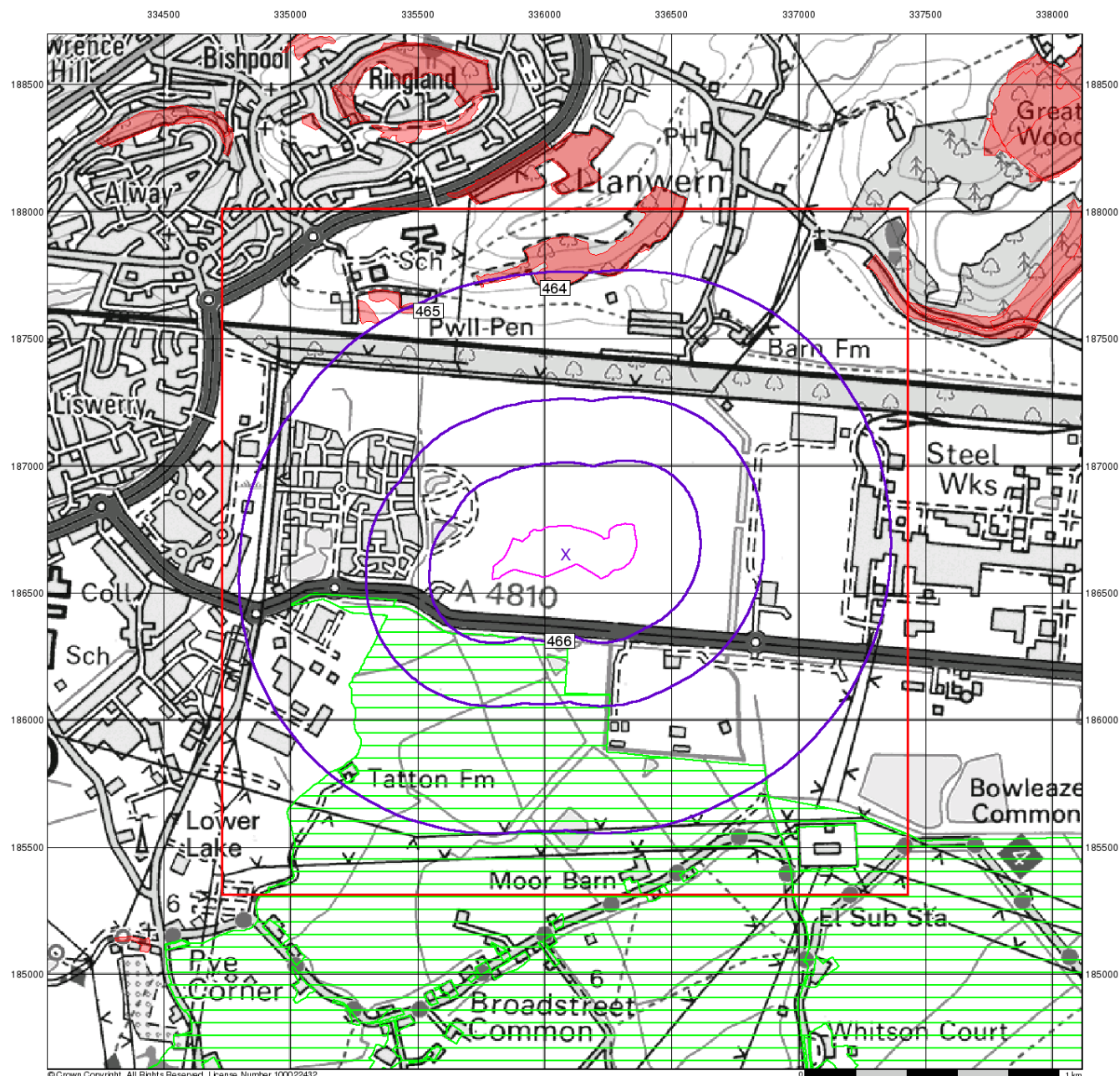
Order Number: 304885831_1_1
 Customer Ref: Llanwern 4c 4g 4e
 National Grid Reference: 336080, 186650
 Slice: A
 Site Area (Ha): 8.34
 Search Buffer (m): 1000

Site Details

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Sensitive Land Uses

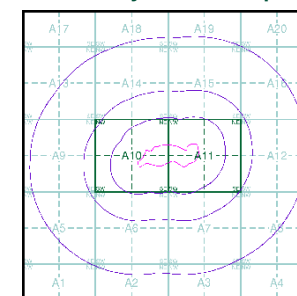
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



Order Details

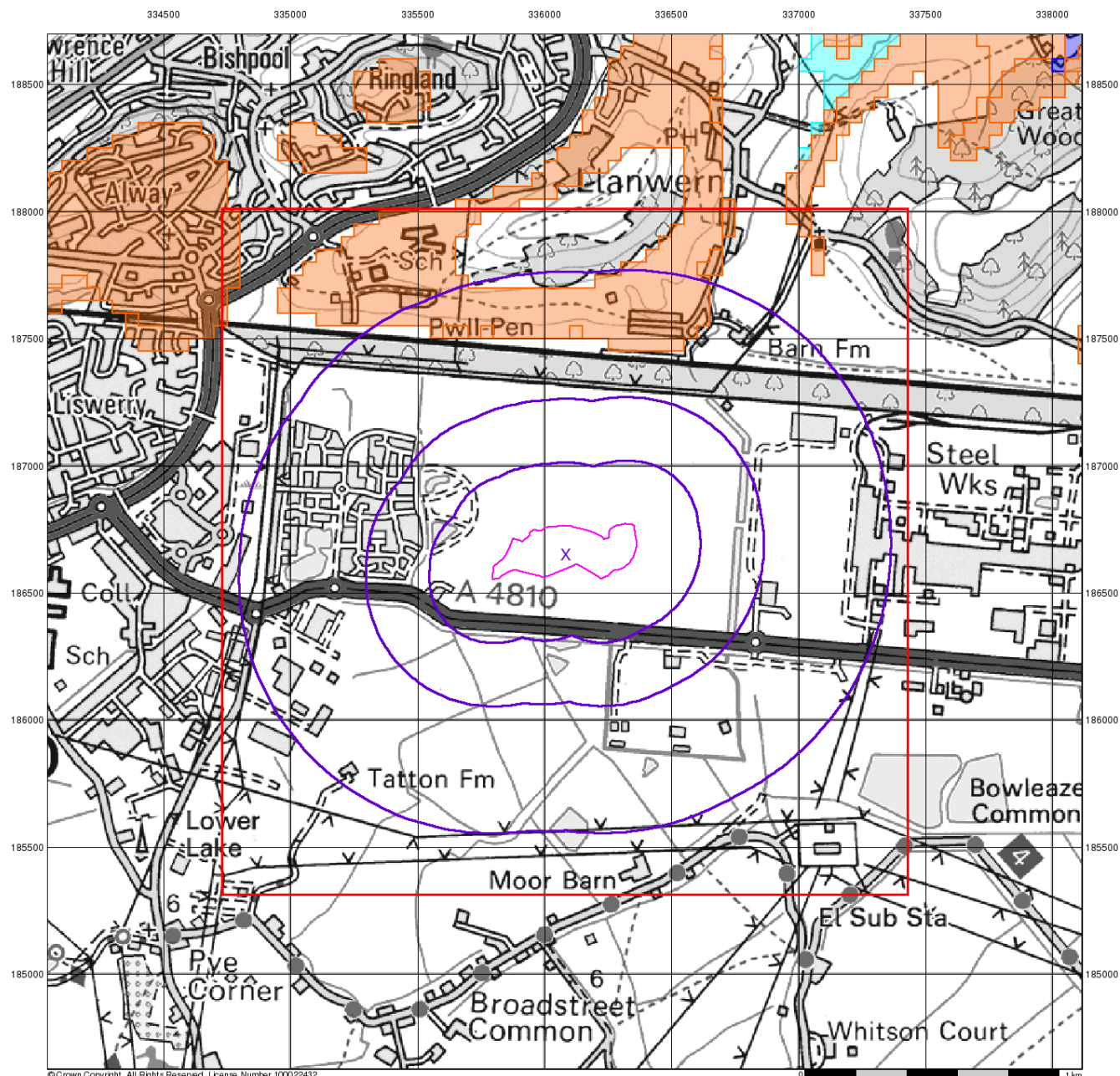
Order Number: 304885831_1_1
 Customer Ref: Llanwrn 4C 4g 4e
 National Grid Reference: 336080, 186650
 Slice: A
 Site Area (Ha): 8.34
 Search Buffer (m): 1000

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BGS Flood GFS Data

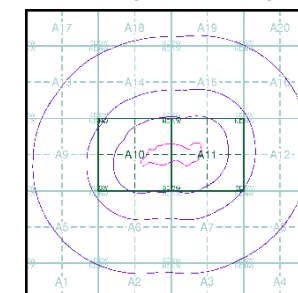
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice A



Order Details

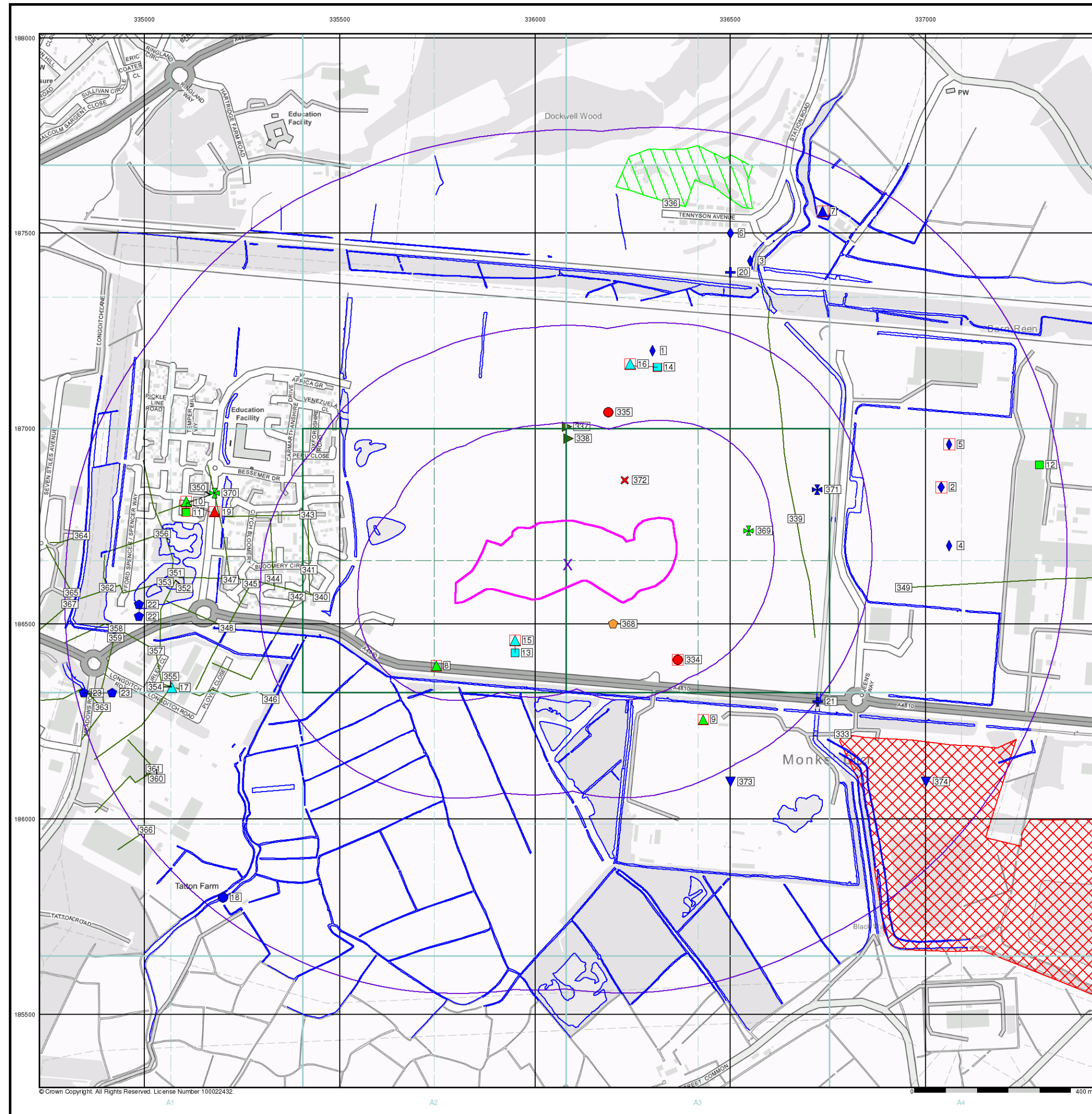
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 Slice: A
 Site Area (Ha): 8.34
 Search Buffer (m): 1000

Site Details

Site at 336079, 186662

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General

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

Agency and Hydrological

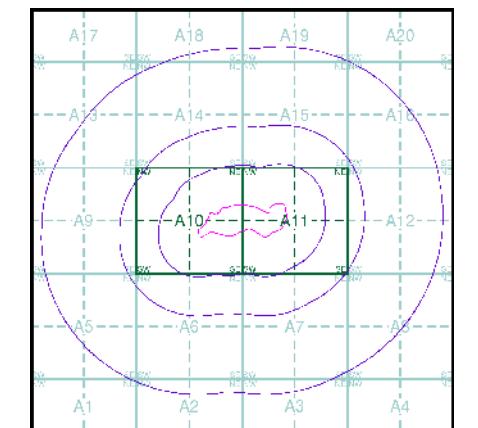
- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- 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

Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement
- BGS Recorded Mineral Site
- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- 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

Geological

Site Sensitivity Map - Slice A



Order Details

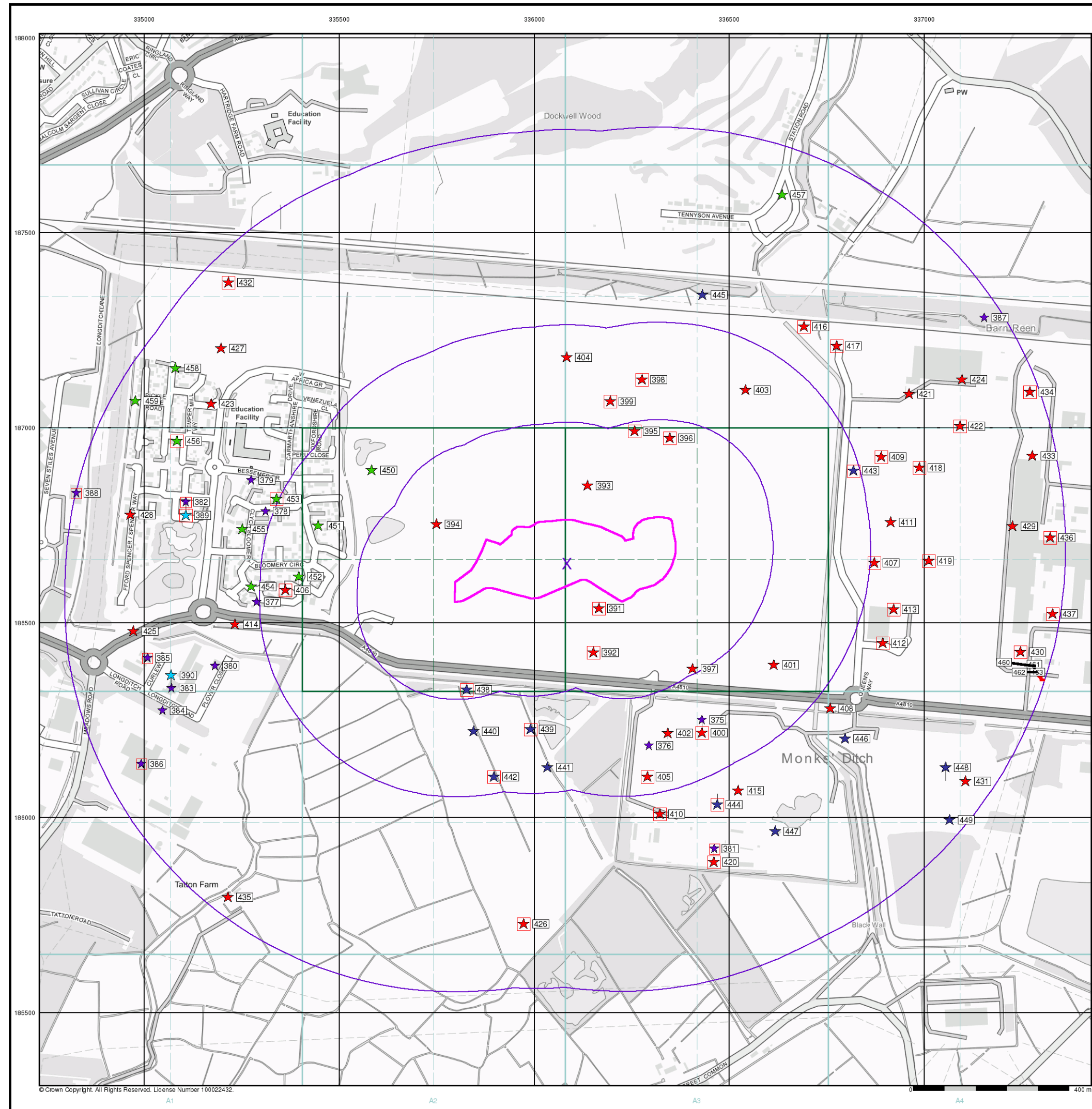
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Customer Ref: Llanwern 4c 4g 4e
National Grid Reference: 336080, 186650
Slice: A
Site Area (Ha): 8.34
Search Buffer (m): 1000

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Industrial Land Use Map

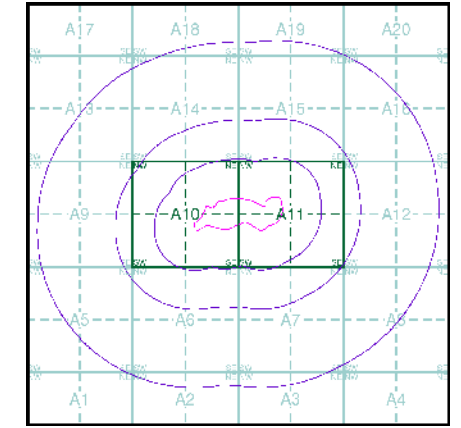
General

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

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- Points of Interest - Commercial Services
- Points of Interest - Education and Health
- Points of Interest - Manufacturing and Production
- Points of Interest - Public Infrastructure
- Points of Interest - Recreational and Environmental
- Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

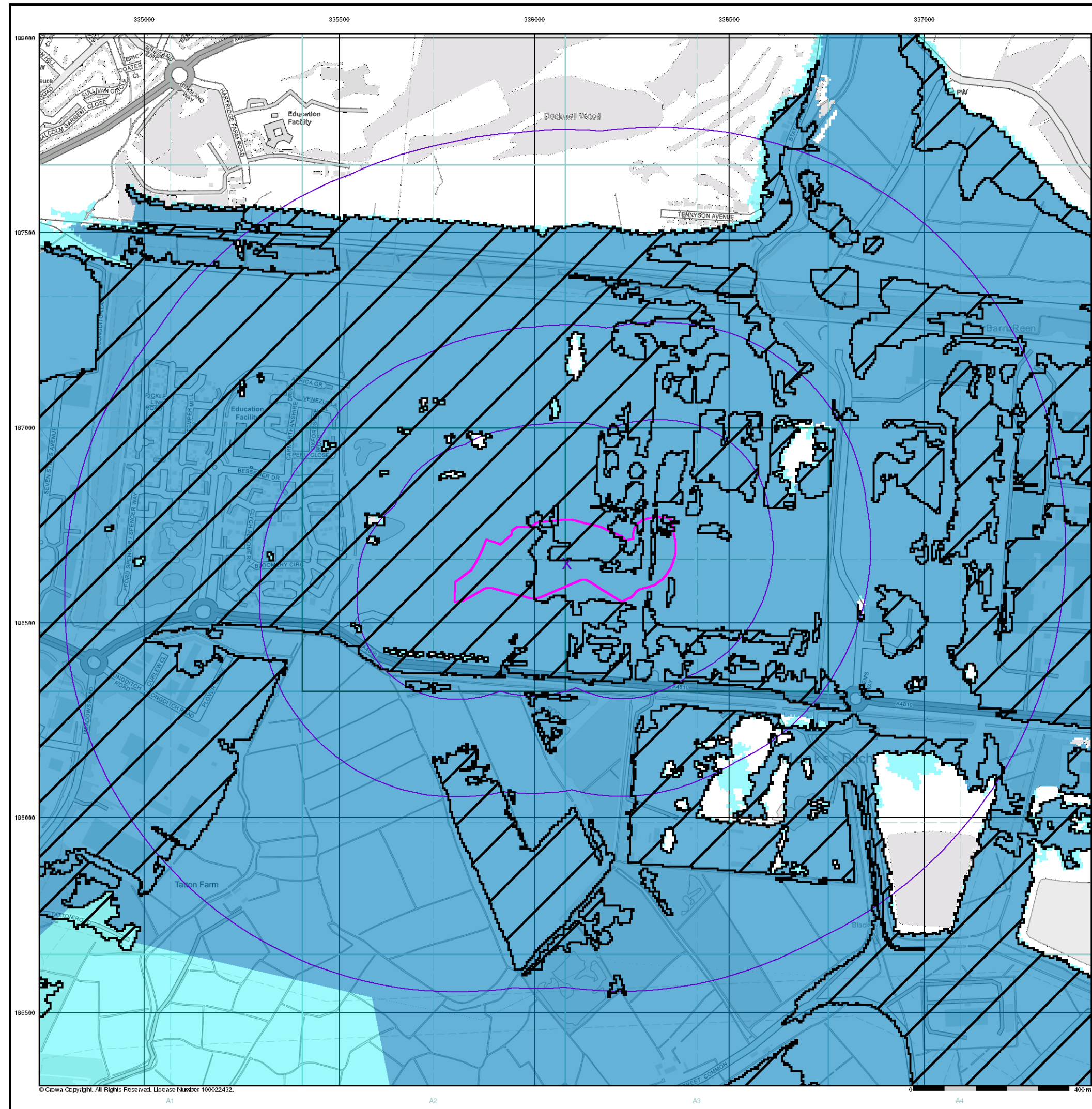
Order Number: 304885831_1_1
 Customer Ref: Llanwern 4c 4g 4e
 National Grid Reference: 336080, 186650
 Slice: A
 Site Area (Ha): 8.34
 Search Buffer (m): 1000

Site Details

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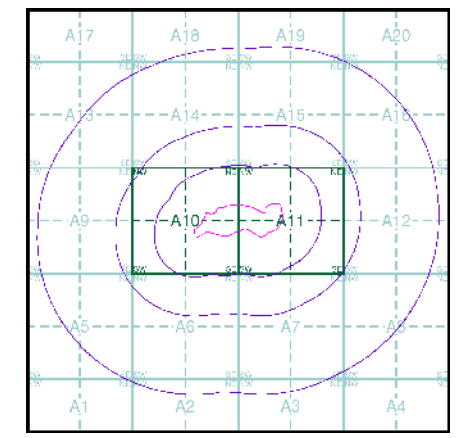
General

- 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

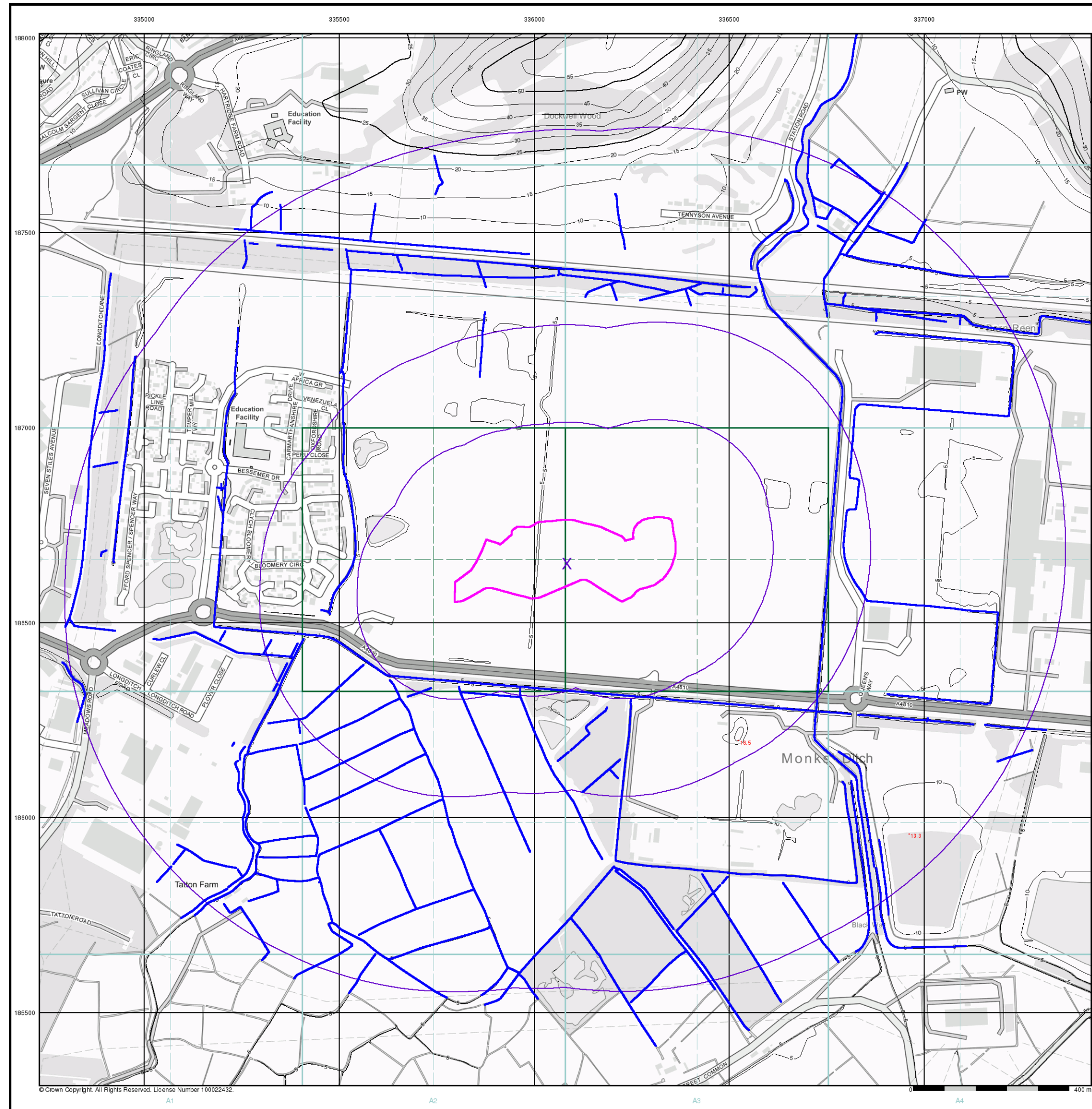


Order Details

Order Number: 304885831_1_1
Customer Ref: Llanwern 4c 4g 4e
National Grid Reference: 336080, 186650
Slice: A
Site Area (Ha): 8.34
Search Buffer (m): 1000

Site Details

Site at 336079,186662



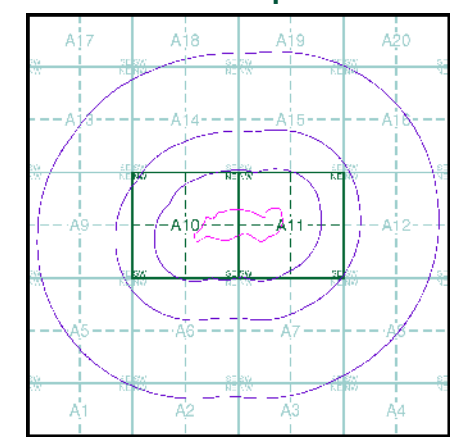
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- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point

- OS Water Network Data**
- | | |
|--------------|-------------------------|
| Canal | Drain |
| Reservoir | Other |
| Foreshore | Lake |
| Marsh | Transfer |
| Tidal River | Lock Or Flight Of Locks |
| Inland River | Sea |

- Contours (height in meters)**
- Standard Contour 105 100 95
- Master Contour
- Spot Height 167.3
- MLW Mean Low Water
- MHW Mean High Water

OS Water Network Map - Slice A



Order Details

Order Number: 304885831_1_1

Customer Ref: Llanwern 4c 4g 4e

National Grid Reference: 336080, 186650

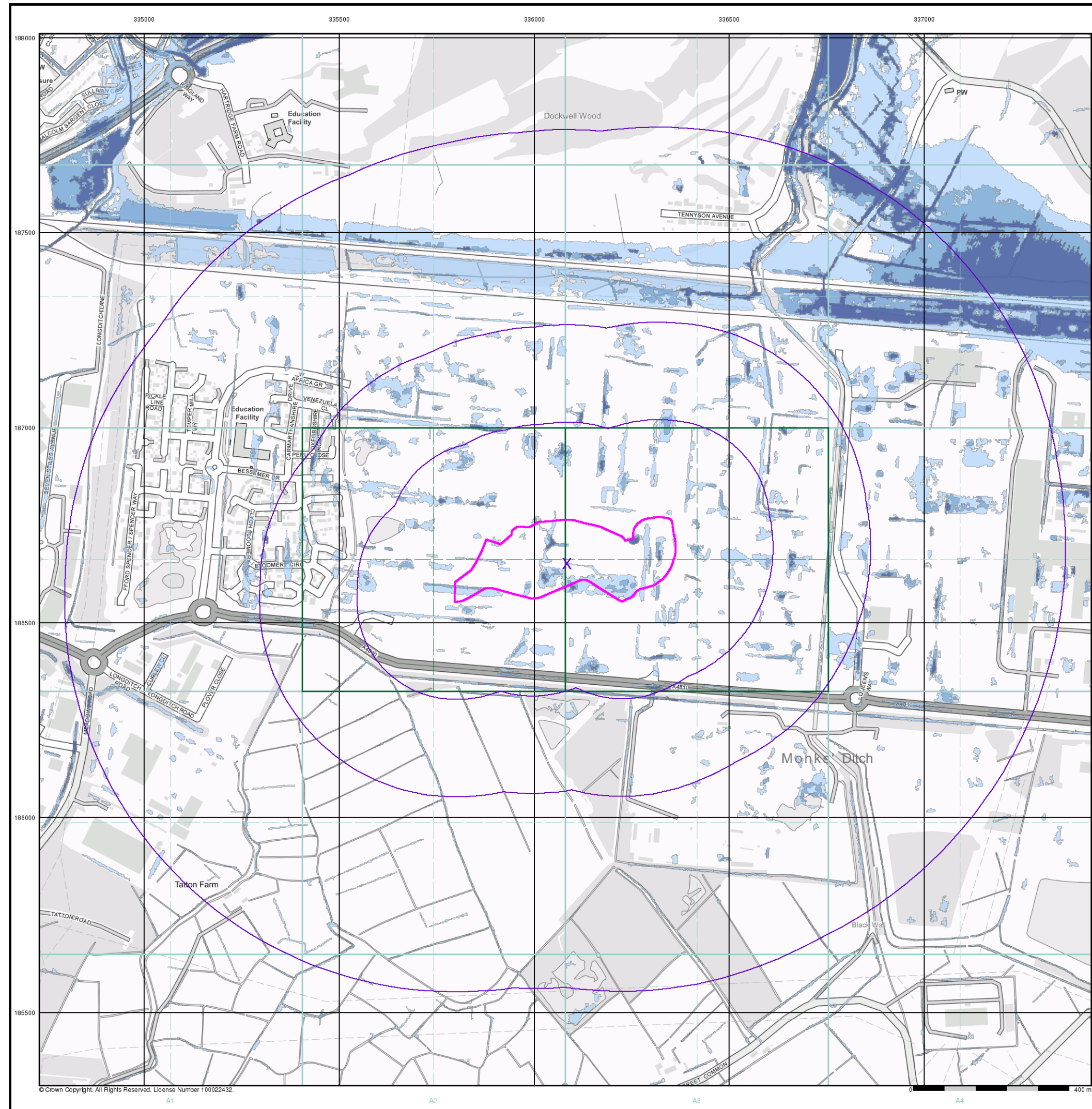
Slice: A

Site Area (Ha): 8.34

Search Buffer (m): 1000

Site Details

Site at 336079,186662



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General

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

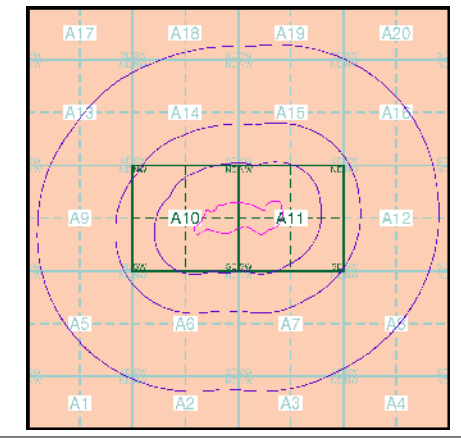
Risk of Flooding from Surface Water

- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

- See the suitability map below
- National to county
 - County to town
 - Town to street
 - Street to parcels of land
 - Property

EANRW Suitability Map - Slice A



Order Details

Order Number: 304885831_1_1
Customer Ref: Llanwern 4c 4g 4e
National Grid Reference: 336080, 186650
Slice: A
Site Area (Ha): 8.34
Search Buffer (m): 1000

Site Details

Site at 336079,186662

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Datasheet

Order Details:

Order Number:

304885831_1_1

Customer Reference:

Llanwern 4c 4g 4e

National Grid Reference:

336080, 186650

Slice:

A

Site Area (Ha):

8.34

Search Buffer (m):

1000

Site Details:

Site at 336079,186662

Client Details:

Mr R Taylor
Rodgers Leask Ltd
Rodgers Leask Ltd
Seven House
18 High Street
Longbridge
Birmingham
B31 2UQ

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	54
Hazardous Substances	57
Geological	58
Industrial Land Use	60
Sensitive Land Use	75
Data Currency	76
Data Suppliers	82
Useful Contacts	83

Introduction

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

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility					n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1			1	12
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices	pg 4				2
Integrated Pollution Controls	pg 4		2	4	28
Integrated Pollution Prevention And Control	pg 9				5
Local Authority Integrated Pollution Prevention And Control	pg 10		1	2	
Local Authority Pollution Prevention and Controls	pg 11		2	4	1
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 11		Yes		
Pollution Incidents to Controlled Waters	pg 12				1
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances	pg 12				2
River Quality	pg 12		1		1
River Quality Biology Sampling Points	pg 13				1
River Quality Chemistry Sampling Points	pg 14				1
Substantiated Pollution Incident Register	pg 14				2
Water Abstractions					
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 15	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 15	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 15	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 15	Yes	Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 17	Yes	Yes	n/a	n/a
Areas Benefiting from Flood Defences	pg 18	Yes	Yes	n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 19		10	46	253

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)	pg 54				1
Licensed Waste Management Facilities (Locations)	pg 54		2	1	
Local Authority Landfill Coverage	pg 54	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 54				1
Potentially Infilled Land (Water)	pg 54		2	6	23
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites	pg 56		1		
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)	pg 57		1		1
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)	pg 57			1	
Planning Hazardous Substance Consents	pg 57		1		
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 58	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 58	Yes		Yes	Yes
BGS Recorded Mineral Sites	pg 59				2
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards				n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 59	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 59	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 59	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 59	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 60			2	17
Fuel Station Entries					
Points of Interest - Commercial Services	pg 61				3
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 62		25	29	59
Points of Interest - Public Infrastructure	pg 71		4	8	7
Points of Interest - Recreational and Environmental	pg 73			4	8
Gas Pipelines					
Underground Electrical Cables	pg 74				4

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland	pg 75				2
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 75		1		
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: British Steel Corporation Property Type: Undefined Or Other Location: Llanwern - Steelworks Blast Furnace, Blast Furnaces Lagoon Authority: Natural Resources Wales Catchment Area: Llanwern Outfall Reference: Ac0099001 Permit Version: 1 Effective Date: 20th August 1975 Issued Date: 20th August 1975 Revocation Date: 7th March 1986 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Stream Number 4 Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A15SW (N)	430	2	336300 187200
2	Discharge Consents Operator: British Steel Corporation Property Type: Undefined Or Other Location: Llanwern Steelworks-Filter Uni Authority: Natural Resources Wales Catchment Area: Llanwern Outfall Reference: Ab0034302 Permit Version: 1 Effective Date: 15th February 1963 Issued Date: 15th February 1963 Revocation Date: 6th March 1986 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Stream Number 5 Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A12NW (E)	693	2	337040 186850
2	Discharge Consents Operator: British Steel Corporation Property Type: Undefined Or Other Location: Llanwern Steelworks-Filter Uni Authority: Natural Resources Wales Catchment Area: Llanwern Outfall Reference: Ab0034303 Permit Version: 1 Effective Date: 15th February 1963 Issued Date: 15th February 1963 Revocation Date: 6th March 1986 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Stream Number 5 Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A12NW (E)	693	2	337040 186850
2	Discharge Consents Operator: British Steel Corporation Property Type: Undefined Or Other Location: Llanwern Steelworks-Filter Uni Authority: Natural Resources Wales Catchment Area: Llanwern Outfall Reference: Ab0034304 Permit Version: 1 Effective Date: 15th February 1963 Issued Date: 15th February 1963 Revocation Date: 6th March 1986 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Stream Number 5 Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A12NW (E)	693	2	337040 186850

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Discharge Consents Operator: British Steel Corporation Property Type: Undefined Or Other Location: Llanwern Steelworks-Filter Uni Authority: Natural Resources Wales Catchment Area: Llanwern Outfall Reference: Ab0034305 Permit Version: 1 Effective Date: 15th February 1963 Issued Date: 15th February 1963 Revocation Date: 6th March 1986 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Stream Number 5 Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A12NW (E)	693	2	337040 186850
2	Discharge Consents Operator: British Steel Corporation Property Type: Undefined Or Other Location: Llanwern Steelworks-Filter Uni Authority: Natural Resources Wales Catchment Area: Llanwern Outfall Reference: Ab0034306 Permit Version: 1 Effective Date: 15th February 1963 Issued Date: 15th February 1963 Revocation Date: 6th March 1986 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Stream Number 5 Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A12NW (E)	693	2	337040 186850
2	Discharge Consents Operator: British Steel Corporation Property Type: Undefined Or Other Location: Llanwern Steelworks-Filter Uni Authority: Natural Resources Wales Catchment Area: Llanwern Outfall Reference: Ab0034307 Permit Version: 1 Effective Date: 15th February 1963 Issued Date: 15th February 1963 Revocation Date: 6th March 1986 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Stream Numbwer 5 Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A12NW (E)	693	2	337040 186850
3	Discharge Consents Operator: Llanwern Community Council Property Type: Undefined Or Other Location: Tennyson Avenue, Llanwern, Newport Authority: Natural Resources Wales Catchment Area: Monks Ditch Reference: An0218901 Permit Version: 2 Effective Date: 10th September 1990 Issued Date: 10th September 1990 Revocation Date: 20th November 1992 Discharge Type: Unspecified Discharge: Freshwater Stream/River Environment: Receiving Water: Monksditch Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A15NE (NE)	694	2	336550 187430

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	Discharge Consents Operator: British Steel Corporation Property Type: Undefined Or Other Location: Llanwern Steelworks - Power PI Authority: Natural Resources Wales Catchment Area: Llanwern Outfall Reference: Ac0098801 Permit Version: 1 Effective Date: 11th July 1975 Issued Date: 11th July 1975 Revocation Date: 7th March 1986 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Stream Number 5 Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A12NW (E)	698	2	337060 186700
5	Discharge Consents Operator: British Steel Corporation Property Type: Undefined Or Other Location: Llanwern Steelworks-Hood & Lan Authority: Natural Resources Wales Catchment Area: Llanwern Outfall Reference: Ab0034301 Permit Version: 1 Effective Date: 15th February 1963 Issued Date: 15th February 1963 Revocation Date: 6th March 1986 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Stream Number 5 Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A12NW (E)	735	2	337060 186960
5	Discharge Consents Operator: British Steel Corporation Property Type: Undefined Or Other Location: Llanwern Steelworks-Hood & Lan Authority: Natural Resources Wales Catchment Area: Llanwern Outfall Reference: Ab0034308 Permit Version: 1 Effective Date: 15th February 1963 Issued Date: 15th February 1963 Revocation Date: 6th March 1986 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Stream Number 5 Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A12NW (E)	735	2	337060 186960
5	Discharge Consents Operator: British Steel Corporation Property Type: Undefined Or Other Location: Llanwern Steelworks-Hood & Lan Authority: Natural Resources Wales Catchment Area: Llanwern Outfall Reference: Ab0034310 Permit Version: 1 Effective Date: 15th February 1963 Issued Date: 15th February 1963 Revocation Date: 6th March 1986 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Stream Number 5 Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A12NW (E)	735	2	337060 186960

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Discharge Consents Operator: Llanwern Community Council Property Type: Undefined Or Other Location: Tennyson Avenue, Llanwern, Newport Authority: Natural Resources Wales Catchment Area: Monks Ditch Reference: An0218901 Permit Version: 1 Effective Date: 1st January 1901 Issued Date: 1st January 1901 Revocation Date: 9th September 1990 Discharge Type: Unspecified Discharge: Freshwater Stream/River Environment: Receiving Water: Monksditch Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A15NE (NE)	749	2	336500 187500
7	Enforcement and Prohibition Notices Location: Barn Farm, Station Road, Llanwern, NEWPORT, Gwent, NP6 2DW Permit Reference: SM85/99KC Enforcement Date: 19th March 1999 Details: EA News Release 19/03/1999, Consistent unauthorised waste activities following repeated warnings. Positional Accuracy: Manually positioned to the address or location	A15NE (NE)	877	3	336736 187552
7	Enforcement and Prohibition Notices Location: Barn Farm, Station Road, Llanwern, NEWPORT, Gwent, NP6 2DW Permit Reference: SM85/99KC Enforcement Date: 19th March 1999 Details: EA Data 23/03/1999, Illegal tipping of controlled waste at farm premises, following long-standing complaints of unauthorised waste activities & flouting of repeated warnings from EA. First time Env. Act 1995 s37(1a) implemented for this purpose. Positional Accuracy: Manually positioned to the address or location	A15NE (NE)	892	3	336733 187570
8	Integrated Pollution Controls Name: Bitmac Ltd Location: Llanwern Works, Queensway, NEWPORT, Gwent, NP19 4QX Authority: Environment Agency, Welsh Region Permit Reference: BG7746 Dated: 4th August 1999 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.2 A (B) Carbonisation and associated processes within the Fuel & Power Industry Status: Application has met the requirements for authorisation (but not yet authorised) Positional Accuracy: Manually positioned to the road within the address or location	A10SE (SW)	172	3	335747 186389
8	Integrated Pollution Controls Name: Bitmac Ltd Location: Llanwern Works, Queensway, NEWPORT, Gwent, NP9 0QX Authority: Environment Agency, Welsh Region Permit Reference: BC3854 Dated: 5th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.2 A (A) Carbonisation and associated processes within the Fuel & Power Industry Status: Application has met the requirements for authorisation (but not yet authorised) Positional Accuracy: Manually positioned to the road within the address or location	A10SE (SW)	176	3	335752 186384
9	Integrated Pollution Controls Name: Cambrian Stone Ltd Location: Llanwern Works, NEWPORT, Gwent, NP19 4QX Authority: Environment Agency, Welsh Region Permit Reference: BG4437 Dated: 12th October 1999 Process Type: IPC major (substantial) variation Description: 2.1 A (L) Iron and Steel processes within the Metal Industry Status: Authorisation revoked Positional Accuracy: Automatically positioned to the address	A7NE (SE)	364	3	336430 186251
9	Integrated Pollution Controls Name: Cambrian Stone Ltd Location: Llanwern Works, NEWPORT, Gwent, NP19 4QX Authority: Environment Agency, Welsh Region Permit Reference: BD7006 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 2.1 A (L) Iron and Steel processes within the Metal Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A7NE (SE)	364	3	336430 186251

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	Integrated Pollution Controls Name: Cambrian Stone Ltd Location: Llanwern Works, NEWPORT, Gwent, NP19 4QX Authority: Environment Agency, Welsh Region Permit Reference: AW7487 Dated: 23rd October 1996 Process Type: IPC minor (non-substantial) variation to previous variation Description: 2.1 A (L) Iron and Steel processes within the Metal Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A7NE (SE)	364	3	336430 186251
9	Integrated Pollution Controls Name: Cambrian Stone Ltd Location: Llanwern Works, NEWPORT, Gwent, NP19 4QX Authority: Environment Agency, Welsh Region Permit Reference: AD1925 Dated: 25th June 1992 Process Type: IPC new application Description: 2.1 A (L) Iron and Steel processes within the Metal Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A7NE (SE)	364	3	336430 186251
10	Integrated Pollution Controls Name: Corus Uk Ltd Location: Llanwern Works, NEWPORT, Gwent, NP19 4QZ Authority: Environment Agency, Welsh Region Permit Reference: BH7920 Dated: 28th January 2000 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation revoked Positional Accuracy: Automatically positioned to the address	A9NE (W)	722	3	335106 186809
10	Integrated Pollution Controls Name: Corus Uk Ltd Location: Llanwern Works, NEWPORT, Gwent, NP19 4QZ Authority: Environment Agency, Welsh Region Permit Reference: BH8047 Dated: 28th January 2000 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.2 A (A) Carbonisation and associated processes within the Fuel & Power Industry Status: Authorisation revoked Positional Accuracy: Automatically positioned to the address	A9NE (W)	722	3	335106 186809
10	Integrated Pollution Controls Name: Corus Uk Ltd Location: Llanwern Works, NEWPORT, Gwent, NP19 4QZ Authority: Environment Agency, Welsh Region Permit Reference: BH2685 Dated: 22nd November 1999 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.2 A (A) Carbonisation and associated processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A9NE (W)	722	3	335106 186809
10	Integrated Pollution Controls Name: Koppers Uk Ltd Location: Llanwern Works,Queensway, NEWPORT, Gwent, NP19 4QZ Authority: Environment Agency, Welsh Region Permit Reference: BF2358 Dated: 28th June 1999 Process Type: IPC major (substantial) variation Description: 1.2 A (B) Carbonisation and associated processes within the Fuel & Power Industry Status: Authorisation revoked Positional Accuracy: Automatically positioned to the address	A9NE (W)	722	3	335106 186809
10	Integrated Pollution Controls Name: Multiserv (Asr) Ltd Location: Integrated Works - Llanwern, NEWPORT, Gwent, NP19 4QZ Authority: Environment Agency, Welsh Region Permit Reference: BF2714 Dated: 12th April 1999 Process Type: IPC minor (non-substantial) variation to previous variation Description: 2.1 A Iron and Steel processes within the Metal Industry Status: Authorisation revoked Positional Accuracy: Automatically positioned to the address	A9NE (W)	722	3	335106 186809

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Integrated Pollution Controls Name: Corus Uk Ltd Location: Llanwern Works, NEWPORT, Gwent, NP19 4QZ Authority: Environment Agency, Welsh Region Permit Reference: BF1831 Dated: 29th January 1999 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.2 A (A) Carbonisation and associated processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A9NE (W)	722	3	335106 186809
10	Integrated Pollution Controls Name: Corus Uk Ltd Location: Llanwern Works, NEWPORT, Gwent, NP19 4QZ Authority: Environment Agency, Welsh Region Permit Reference: BF1858 Dated: 29th January 1999 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A9NE (W)	722	3	335106 186809
10	Integrated Pollution Controls Name: Multiserv (Asr) Ltd Location: Integrated Works - Llanwern, NEWPORT, Gwent, NP19 4QZ Authority: Environment Agency, Welsh Region Permit Reference: BD9726 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 2.1 A Iron and Steel processes within the Metal Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A9NE (W)	722	3	335106 186809
10	Integrated Pollution Controls Name: Corus Uk Ltd Location: Llanwern Works, NEWPORT, Gwent, NP19 4QZ Authority: Environment Agency, Welsh Region Permit Reference: BE1950 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.2 A (A) Carbonisation and associated processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A9NE (W)	722	3	335106 186809
10	Integrated Pollution Controls Name: Koppers Uk Ltd Location: Llanwern Works, Queensway, NEWPORT, Gwent, NP19 4QZ Authority: Environment Agency, Welsh Region Permit Reference: BC6284 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.2 A (B) Carbonisation and associated processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A9NE (W)	722	3	335106 186809
10	Integrated Pollution Controls Name: Corus Uk Ltd Location: Llanwern Works, NEWPORT, Gwent, NP19 4QZ Authority: Environment Agency, Welsh Region Permit Reference: BE0864 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A9NE (W)	722	3	335106 186809
10	Integrated Pollution Controls Name: Corus Uk Ltd Location: Llanwern Works, NEWPORT, Gwent, NP19 4QZ Authority: Environment Agency, Welsh Region Permit Reference: BA1079 Dated: 19th January 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.2 A (A) Carbonisation and associated processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A9NE (W)	722	3	335106 186809

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Integrated Pollution Controls Name: Multiserv (Asr) Ltd Location: Integrated Works - Llanwern, NEWPORT, Gwent, NP19 4QZ Authority: Environment Agency, Welsh Region Permit Reference: AY8271 Dated: 22nd October 1997 Process Type: IPC new application Description: 2.1 A Iron and Steel processes within the Metal Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A9NE (W)	722	3	335106 186809
10	Integrated Pollution Controls Name: Corus Uk Ltd Location: Llanwern Works, NEWPORT, Gwent, NP19 4QZ Authority: Environment Agency, Welsh Region Permit Reference: AZ5561 Dated: 9th October 1997 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A9NE (W)	722	3	335106 186809
10	Integrated Pollution Controls Name: Corus Uk Ltd Location: Llanwern Works, NEWPORT, Gwent, NP19 4QZ Authority: Environment Agency, Welsh Region Permit Reference: AU1941 Dated: 1st October 1997 Process Type: IPC staged application Description: 1.2 A (A) Carbonisation and associated processes within the Fuel & Power Industry Status: Authorisation revoked Positional Accuracy: Automatically positioned to the address	A9NE (W)	722	3	335106 186809
10	Integrated Pollution Controls Name: Corus Uk Ltd Location: Llanwern Works, NEWPORT, Gwent, NP19 4QZ Authority: Environment Agency, Welsh Region Permit Reference: AW9986 Dated: 30th October 1996 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.2 A (A) Carbonisation and associated processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A9NE (W)	722	3	335106 186809
10	Integrated Pollution Controls Name: Corus Uk Ltd Location: Llanwern Works, NEWPORT, Gwent, NP19 4QZ Authority: Environment Agency, Welsh Region Permit Reference: AU8512 Dated: 5th June 1996 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.2 A (A) Carbonisation and associated processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A9NE (W)	722	3	335106 186809
10	Integrated Pollution Controls Name: Multiserv Group Ltd Location: Llanwern Works, QUEENSWAY, NEWPORT, Gwent, NP19 4QZ Authority: Environment Agency, Welsh Region Permit Reference: AQ9898 Dated: 30th July 1995 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 2.1 A (L) Iron and Steel processes within the Metal Industry Status: Authorisation revoked Positional Accuracy: Automatically positioned to the address	A9NE (W)	722	3	335106 186809
10	Integrated Pollution Controls Name: Multiserv Group Ltd Location: Llanwern Works, QUEENSWAY, NEWPORT, Gwent, NP19 4QZ Authority: Environment Agency, Welsh Region Permit Reference: AQ9928 Dated: 30th July 1995 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 2.1 A Iron and Steel processes within the Metal Industry Status: Authorisation revoked Positional Accuracy: Automatically positioned to the address	A9NE (W)	722	3	335106 186809

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Integrated Pollution Controls Name: Corus Uk Ltd Location: Llanwern Works, NEWPORT, Gwent, NP19 4QZ Authority: Environment Agency, Welsh Region Permit Reference: AQ0726 Dated: 7th June 1995 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 2.1 A (H) Iron and Steel processes within the Metal Industry Status: Authorisation revoked Positional Accuracy: Automatically positioned to the address	A9NE (W)	722	3	335106 186809
10	Integrated Pollution Controls Name: Koppers Uk Ltd Location: Llanwern Works,Queensway, NEWPORT, Gwent, NP19 4QZ Authority: Environment Agency, Welsh Region Permit Reference: AK0677 Dated: 26th November 1993 Process Type: IPC major (substantial) variation Description: 1.2 A (A) Carbonisation and associated processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A9NE (W)	722	3	335106 186809
10	Integrated Pollution Controls Name: Corus Uk Ltd Location: Llanwern Works, NEWPORT, Gwent, NP19 4QZ Authority: Environment Agency, Welsh Region Permit Reference: AF8475 Dated: 25th August 1993 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 1.2 A (A) Carbonisation and associated processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A9NE (W)	722	3	335106 186809
10	Integrated Pollution Controls Name: Koppers Uk Ltd Location: Llanwern Works,Queensway, NEWPORT, Gwent, NP19 4QZ Authority: Environment Agency, Welsh Region Permit Reference: AF8491 Dated: 29th June 1993 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 1.2 A (A) Carbonisation and associated processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A9NE (W)	722	3	335106 186809
10	Integrated Pollution Controls Name: Corus Uk Ltd Location: Llanwern Works, NEWPORT, Gwent, NP19 4QZ Authority: Environment Agency, Welsh Region Permit Reference: AF8467 Dated: 2nd May 1993 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A9NE (W)	722	3	335106 186809
10	Integrated Pollution Controls Name: Corus Uk Ltd Location: Llanwern Works, NEWPORT, Gwent, NP19 4QZ Authority: Environment Agency, Welsh Region Permit Reference: AF8459 Dated: 1st May 1993 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A9NE (W)	722	3	335106 186809
10	Integrated Pollution Controls Name: Corus Uk Ltd Location: Llanwern Works, NEWPORT, Gwent, NP19 4QZ Authority: Environment Agency, Welsh Region Permit Reference: AG6214 Dated: 15th March 1993 Process Type: IPC major (substantial) variation Description: 2.1 A (H) Iron and Steel processes within the Metal Industry Status: Authorisation revoked Positional Accuracy: Automatically positioned to the address	A9NE (W)	722	3	335106 186809

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Integrated Pollution Controls Name: Corus Uk Ltd Location: Llanwnern Works, NEWPORT, Gwent, NP19 4QZ Authority: Environment Agency, Welsh Region Permit Reference: AB3285 Dated: 27th March 1992 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 2.1 A (H) Iron and Steel processes within the Metal Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A9NE (W)	722	3	335106 186809
10	Integrated Pollution Controls Name: Corus Uk Ltd Location: Llanwnern Works, NEWPORT, Gwent, NP19 4QZ Authority: Environment Agency, Welsh Region Permit Reference: AA2631 Dated: 30th November 1991 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A9NE (W)	722	3	335106 186809
11	Integrated Pollution Prevention And Control Name: Queensway Non-Haz Landfill Epr/Gp3331sv Location: Llanwnern Works, NEWPORT, Gwent, NP19 4QZ Authority: Natural Resources Wales Permit Reference: GP3331SV Original Permit Ref: Fp3637nm Effective Date: 12th August 2013 Status: Effective Application Type: Bespoke App. Sub Type: Not Supplied Positional Accuracy: Automatically positioned to the address Activity Code: 5.2 A(1) (A) Activity Description: Not Supplied Primary Activity: Y	A9NE (W)	722	2	335106 186809
11	Integrated Pollution Prevention And Control Name: Tata Steel Uk Limited Location: Llanwnern Works East, Llanwnern Works, Newport, Gwent, NP19 4QZ Authority: Natural Resources Wales Permit Reference: Bv9969is Original Permit Ref: Bv9969is Effective Date: Not Supplied Status: Application refused Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 5.2 A(1) (A) Activity Description: Waste Landfilling; Greater Than 10 T/D With Capacity Greater Than 25,000T Excluding Inert Waste Primary Activity: Y	A9NE (W)	722	2	335106 186809
11	Integrated Pollution Prevention And Control Name: Tata Steel Uk Limited Location: Llanwnern Steelworks Nrw/Epr/Bs3905ip/V004, Tata Steel Strip Products Uk, Llanwnern Works,, Newport, South Wales, NP19 4QZ Authority: Natural Resources Wales Permit Reference: TP3931ZP Original Permit Ref: Bs3905ip Effective Date: 13th May 2013 Status: Effective Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Located by supplier to within 100m Activity Code: 2.1 A(2) (C) Activity Description: Ferrous Metals; Applying Protective Fused Metal Coatings to Greater Than 2 tonnes/hour of Steel Primary Activity: N Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: N Activity Code: 2.3 A(1) (A) Activity Description: Surface Treating Metals And Plastics; Electrolytic/Chemical Greater Than 30 Cubic Metres Primary Activity: N Activity Code: 2.1 A(1) (C) Activity Description: Ferrous Metals; Hot Rolling Greater Than 20T/Hr Primary Activity: Y	A9NE (W)	725	2	335100 186800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Integrated Pollution Prevention And Control Name: Tata Steel UK Limited Location: Llanwern Steelworks Ea/Epr/Bs3905ip/V002, Corus Strip Products, Llanwern Works,, Newport, South Wales, NP19 4QZ Authority: Natural Resources Wales Permit Reference: DP3838GB Original Permit Ref: Bs3905ip Effective Date: 26th October 2009 Status: Superseded By Variation Application Type: Variation App. Sub Type: Standard Positional Accuracy: Located by supplier to within 100m Activity Code: 2.1 A(1) (C) Activity Description: Ferrous Metals; Hot Rolling Greater Than 20T/Hr Primary Activity: Y Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: N Activity Code: 2.1 A(2) (C) Activity Description: Ferrous Metals; Applying Protective Fused Metal Coatings to Greater Than 2 tonnes/hour of Steel Primary Activity: N Activity Code: 2.3 A(1) (A) Activity Description: Surface Treating Metals And Plastics; Electrolytic/Chemical Greater Than 30 Cubic Metres Primary Activity: N	A9NE (W)	725	2	335100 186800
12	Integrated Pollution Prevention And Control Name: Llanwern Steelworks Epr/Bs3905ip Location: Corus Strip Products, Llanwern Steelworks, Newport, Gwent, NP19 4QZ Authority: Natural Resources Wales Permit Reference: Bs3905ip Original Permit Ref: Tp3931zp Effective Date: 13th May 2013 Status: Effective Application Type: Bespoke App. Sub Type: Not Supplied Positional Accuracy: Manually positioned to the address or location Activity Code: 2.1 PART A (1) C) Activity Description: Not Supplied Primary Activity: Y Activity Code: 2.1 PART A (2) C) Activity Description: Not Supplied Primary Activity: N Activity Code: 1.1 A(1) (A) Activity Description: Not Supplied Primary Activity: N	A12NE (E)	950	2	337291 186908
13	Local Authority Integrated Pollution Prevention And Control Name: Cambrian Stone Ltd Location: Llanwern Works, Newport Authority: Newport City Council, Public Protection and Environmental Services Permit Reference: APA/011 Dated: Not Supplied Process Type: Mineral Industries Description: 3/15 Status: Permit Issued Positional Accuracy: Manually positioned to the address or location	A10SE (SW)	143	4	335948 186426
14	Local Authority Integrated Pollution Prevention And Control Name: Civil & Marine Ltd Location: Llanwern Works, Newport, NP19 4QX Authority: Newport City Council, Public Protection and Environmental Services Permit Reference: LA-IPPC/001/05/v2 Dated: Not Supplied Process Type: Production and Processing of Metals Description: Drying & Grinding of blast furnace slag Status: Permit Revoked Positional Accuracy: Manually positioned to the address or location	A15SW (NE)	387	4	336313 187157
14	Local Authority Integrated Pollution Prevention And Control Name: Newport Galvanisers Ltd Location: Llanwern Works, Newport, NP19 4QX Authority: Newport City Council, Public Protection and Environmental Services Permit Reference: LA-IPPC002/06 Dated: Not Supplied Process Type: Production and Processing of Metals Description: Hot dip galvanising Status: Permit Issued Positional Accuracy: Manually positioned to the address or location	A15SW (NE)	387	4	336313 187157

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	Local Authority Pollution Prevention and Controls Name: Corus Group Plc Location: Llanwnnau Works, Zodiac Line, NEWPORT, Gwent, NP9 0XD Authority: Newport City Council, Public Protection and Environmental Services Permit Reference: A10SE/013/92 Dated: 28th October 1992 Process Type: Local Authority Air Pollution Control Description: PG2/2 Hot dip galvanising processes Status: Authorised Positional Accuracy: Manually positioned to the address or location	A10SE (SW)	142	4	335948 186427
15	Local Authority Pollution Prevention and Controls Name: Cambrian Stone Ltd Location: Llanwnnau Works, NEWPORT, NP9 0QX Authority: Newport City Council, Public Protection and Environmental Services Permit Reference: A10SE/011 Dated: 16th August 1993 Process Type: Local Authority Air Pollution Control Description: PG3/15 Mineral drying and roadstone coating processes Status: Authorised Positional Accuracy: Manually positioned to the address or location	A10SE (SW)	143	4	335948 186426
16	Local Authority Pollution Prevention and Controls Name: Tarmac Limited Location: Llanwnnau Works, Queensway, Newport, NP19 0dx Authority: Newport City Council, Public Protection and Environmental Services Permit Reference: LAPPC/039/07/v1 Dated: 6th June 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG3/1 Blending, packing, loading and use of bulk cement Status: Permitted Positional Accuracy: Manually positioned to the address or location	A15SW (NE)	387	4	336313 187157
16	Local Authority Pollution Prevention and Controls Name: Civil & Marine Ltd (Heidelberg Cement Group) Location: Llanwnnau Works, NEWPORT, Gwent, NP19 4QX Authority: Newport City Council, Public Protection and Environmental Services Permit Reference: LA-IPPC001/05/v2 Dated: 8th June 1993 Process Type: Local Authority Air Pollution Control Description: PG3/1 Blending, packing, loading and use of bulk cement Status: Transferred to LAIPPC Positional Accuracy: Manually positioned to the address or location	A15SW (NE)	387	4	336313 187157
16	Local Authority Pollution Prevention and Controls Name: Newport Galvanisers Ltd Location: Llanwnnau Works, Newport, NP19 4qx Authority: Newport City Council, Public Protection and Environmental Services Permit Reference: LA-IPPC002/06/v1 Dated: 26th August 1992 Process Type: Local Authority Air Pollution Control Description: PG6/23 Coating of metal and plastic Status: Transferred to LAIPPC Positional Accuracy: Manually positioned to the address or location	A15SW (NE)	387	4	336313 187157
16	Local Authority Pollution Prevention and Controls Name: Tarmac Topmix Location: Llanwnnau Works, Queensway, Llanwnnau, Newport, NP19 0QX Authority: Newport City Council, Public Protection and Environmental Services Permit Reference: LAPPC/031/05/v2 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG3/1 Blending, packing, loading and use of bulk cement Status: Permitted Positional Accuracy: Manually positioned to the address or location	A15SW (NE)	387	4	336313 187157
17	Local Authority Pollution Prevention and Controls Name: Nationwide Crash Repair Location: Curlew Close, Queensway Meadows Industrial Estate, Newport, Gwent, NP19 4sy Authority: Newport City Council, Public Protection and Environmental Services Permit Reference: LAPPC/015/05/v1 Dated: 29th January 1997 Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles Status: Permitted Positional Accuracy: Manually positioned to the address or location	A9SE (W)	760	4	335069 186333
	Nearest Surface Water Feature	A10NW (W)	192	-	335667 186746

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Farm Authority: Environment Agency, Welsh Region Pollutant: Sewage - Septic Tank Effluent Note: Not Supplied Incident Date: 15th June 1992 Incident Reference: 4272 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	A5SE (SW)	961	3	335200 185800
19	Registered Radioactive Substances Name: Corus Uk Ltd Location: Llanwern Works, Newport, Gwent, NP19 4QZ Authority: Natural Resources Wales Permit Reference: Bw8747 Dated: 1st December 2003 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA Status: Authorisation either revoked or cancelled Positional Accuracy: Automatically positioned to the address	A9NE (W)	722	2	335106 186809
19	Registered Radioactive Substances Name: Corus Uk Ltd Location: Llanwern Works, NEWPORT, Gwent, NP19 4QZ Authority: Natural Resources Wales Permit Reference: AE9085 Dated: 31st March 1991 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA Status: Authorisation either revoked or cancelled Positional Accuracy: Automatically positioned to the address	A9NE (W)	722	2	335106 186809
	River Quality Name: Monks D GQA Grade: River Quality C Reach: Bsc Transformer Strn. - Barn Fm. Estimated Distance (km): 2.5 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A11NE (E)	158	3	336500 186815
	River Quality Name: Monks D GQA Grade: River Quality B Reach: Barn Fm. - M4 Estimated Distance (km): 3.1 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A15NE (NE)	657	3	336500 187406

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	River Quality Biology Sampling Points Name: Monks Ditch Reach: Bsc Transformer Station To Barn Farm Estimated Distance: 2.50 Positional Accuracy: Located by supplier to within 100m Year: 1990 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 1995 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2000 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2002 GQA Grade: River Quality Biology GQA Grade Not Supplied Year: 2003 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2004 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2005 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2006 GQA Grade: River Quality Biology GQA Grade A - Very Good Year: 2007 GQA Grade: River Quality Biology GQA Grade A - Very Good Year: 2008 GQA Grade: River Quality Biology GQA Grade A - Very Good Year: 2009 GQA Grade: River Quality Biology GQA Grade C - Fairly Good	A15NE (NE)	651	3	336500 187400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	River Quality Chemistry Sampling Points Name: Monks Ditch Reach: Bsc Transformer Strn. To Barn Farm Estimated Distance: 2.50 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied	A7NE (SE)	502	3	336723 186301
22	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 13th June 2013 Incident Reference: 1121873 Water Impact: Category 4 - No Impact Air Impact: Category 3 - Minor Incident Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Contaminated Water: Other Contaminated Water	A9SW (W)	810	2	334986 186549
23	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 7th March 2013 Incident Reference: 1092554 Water Impact: Category 4 - No Impact Air Impact: Category 3 - Minor Incident Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Sewage Materials: Grey Water	A5NW (W)	980	2	334844 186323

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: 3-10m Superficial Recharge: Low	A10SE (W)	0	2	336000 186652
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: 3-10m Superficial Recharge: Low	A11SW (S)	0	2	336084 186652
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	A11SW (S)	0	2	336084 186652
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	A11SW (S)	0	2	336084 186652
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11SW (E)	0	2	336295 186640
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11SW (N)	0	2	336084 186660
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11NW (NE)	0	2	336250 186755
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11NW (E)	0	2	336320 186735
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A11SW (S)	0	2	336084 186652
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11SW (E)	10	2	336345 186615
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11SW (E)	11	2	336290 186580
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11NW (NE)	25	2	336200 186795

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11NW (NE)	30	2	336305 186800
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11SW (SE)	40	2	336280 186540
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11NW (E)	40	2	336390 186775
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11NW (NE)	54	2	336180 186800
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11NE (E)	62	2	336420 186730
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11SW (S)	95	2	336140 186470
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11NW (NE)	104	2	336250 186870
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11NW (NE)	116	2	336405 186870
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11SW (S)	123	2	336170 186440
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11NW (NE)	129	2	336185 186875
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11SW (SE)	156	2	336265 186405
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11SW (SE)	205	2	336335 186380
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A10SE (SW)	214	2	335785 186340
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11NE (E)	241	2	336590 186800
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A6NE (S)	242	2	336035 186320
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11SE (E)	247	2	336535 186470

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11SW (N)	0	2	336084 186660
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11NW (E)	0	2	336320 186735
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11NW (NE)	0	2	336250 186755
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11SW (E)	0	2	336295 186640
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A11SW (S)	0	2	336084 186652
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11SW (E)	10	2	336345 186615
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11SW (E)	11	2	336290 186580
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11NW (NE)	25	2	336200 186795
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11NW (NE)	30	2	336305 186800
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11SW (SE)	40	2	336280 186540
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11NW (E)	40	2	336390 186775
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11NW (NE)	54	2	336180 186800
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11NE (E)	62	2	336420 186730
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11SW (S)	95	2	336140 186470
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11NW (NE)	104	2	336250 186870
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11NW (NE)	116	2	336405 186870

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11SW (S)	123	2	336170 186440
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11NW (NE)	129	2	336185 186875
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11SW (SE)	156	2	336265 186405
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11SW (SE)	205	2	336335 186380
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A10SE (SW)	214	2	335785 186340
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11NE (E)	241	2	336590 186800
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A6NE (S)	242	2	336035 186320
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11SE (E)	247	2	336535 186470
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A11SW (E)	0	2	336295 186640
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A11NW (NE)	0	2	336250 186755
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A11NW (E)	0	2	336320 186735
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A11SW (N)	0	2	336084 186660
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A11SW (E)	10	2	336345 186615
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A11SW (E)	11	2	336290 186580
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A11NW (NE)	25	2	336200 186795
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A11NW (NE)	30	2	336305 186800
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A11SW (SE)	40	2	336280 186540
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A11NW (E)	40	2	336390 186775
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A11NW (NE)	54	2	336180 186800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A11NE (E)	62	2	336420 186730
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A11SW (S)	95	2	336140 186470
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A11NW (NE)	104	2	336250 186870
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A11NW (NE)	116	2	336405 186870
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A11SW (S)	123	2	336170 186440
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A11NW (NE)	129	2	336185 186875
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A11SW (SE)	156	2	336265 186405
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A11SW (SE)	205	2	336335 186380
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A10SE (SW)	214	2	335785 186340
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A11NE (E)	241	2	336590 186800
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A6NE (S)	242	2	336035 186320
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A11SE (E)	247	2	336535 186470
	Flood Water Storage Areas None				
	Flood Defences None				
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 818.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A10SE (S)	204	5	335963 186336
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A10SE (SW)	218	5	335807 186336
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A10SE (SW)	221	5	335807 186333

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A10SE (SW)	222	5	335807 186332
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 331.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A10SE (S)	228	5	336055 186328
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A10SE (S)	229	5	335963 186336
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 64.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A10SW (SW)	231	5	335735 186332
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 152.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6NE (S)	233	5	335963 186309
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 104.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6NE (SW)	235	5	335812 186319
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6NE (S)	241	5	335963 186324
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6NE (S)	255	5	335964 186310
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 175.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6NE (S)	255	5	335964 186310

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1296.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A7NW (SE)	255	5	336248 186301
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A7NW (SE)	256	5	336294 186309
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A10SW (SW)	261	5	335639 186342
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 311.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A7NW (SE)	262	5	336311 186307
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 137.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A10SW (W)	267	5	335534 186648
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A10NW (W)	267	5	335540 186672
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 194.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A10NW (W)	267	5	335541 186678
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 159.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A7NW (S)	276	5	336188 186282
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A10SW (SW)	285	5	335562 186392

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 282.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6NW (SW)	286	5	335655 186305
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 86.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6NW (SW)	286	5	335659 186301
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 208.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A10SW (SW)	296	5	335554 186384
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A10SW (W)	322	5	335476 186522
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A10SW (W)	325	5	335473 186527
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 128.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6NE (SW)	334	5	335854 186223
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 311.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6NW (SW)	342	5	335691 186228
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 71.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6NW (SW)	342	5	335691 186228
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A10NW (W)	382	5	335519 186864

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 148.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A10NW (W)	394	5	335515 186877
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1057.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Monks' Ditch Catchment Name: Usk and Llwyd Primacy: 1	A11SE (E)	394	5	336750 186597
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 166.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A14SE (NW)	397	5	335860 187130
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 329.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6NW (SW)	398	5	335721 186164
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 126.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6NW (SW)	398	5	335721 186164
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 55.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A10SW (W)	400	5	335408 186457
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A7NW (S)	403	5	336088 186169
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 38.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A7NW (S)	406	5	336220 186150
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 38.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A9SE (W)	417	5	335393 186447

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6NE (S)	417	5	336032 186147
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6NE (S)	422	5	336035 186142
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 749.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A12NW (E)	432	5	336794 186690
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 90.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A7NW (S)	433	5	336192 186124
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A7NW (S)	433	5	336192 186124
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 104.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6NE (S)	436	5	336041 186129
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 257.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Julian's Reen Catchment Name: Usk and Llwyd Primacy: 2	A9SE (W)	439	5	335382 186408
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Longditch Reen Catchment Name: Usk and Llwyd Primacy: 2	A9SE (W)	439	5	335382 186409
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Longditch Reen Catchment Name: Usk and Llwyd Primacy: 2	A9SE (W)	439	5	335382 186408

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A7NE (SE)	442	5	336621 186281
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 71.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Longditch Reen Catchment Name: Usk and Llwyd Primacy: 2	A9SE (W)	444	5	335376 186413
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 85.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A7NE (SE)	454	5	336638 186280
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 50.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A9SE (W)	458	5	335367 186396
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 209.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6NE (S)	459	5	335905 186105
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A9SE (W)	481	5	335326 186455
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A14SW (NW)	482	5	335510 187025
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 58.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A14SW (NW)	494	5	335510 187042
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 77.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A5NE (SW)	502	5	335395 186251

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A9SE (SW)	502	5	335341 186344
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A5NE (SW)	502	5	335395 186251
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 180.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6NE (SW)	509	5	335766 186046
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 244.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6NE (SW)	509	5	335766 186046
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 294.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Longditch Reen Catchment Name: Usk and Llwyd Primacy: 2	A9SE (W)	510	5	335304 186418
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Monks' Ditch Catchment Name: Usk and Llwyd Primacy: 1	A7NE (SE)	519	5	336723 186274
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 40.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Monks' Ditch Catchment Name: Usk and Llwyd Primacy: 1	A7NE (SE)	521	5	336723 186271
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A7NE (SE)	521	5	336723 186271
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 83.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A7NE (SE)	524	5	336728 186272

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A7NW (S)	529	5	336099 186042
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A16SW (NE)	532	5	336820 187014
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A14SW (NW)	535	5	335510 187101
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 67.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A7NW (S)	536	5	336104 186034
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 126.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A16SW (NE)	545	5	336822 187038
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Monks' Ditch Catchment Name: Usk and Llwyd Primacy: 1	A7NE (SE)	546	5	336720 186232
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 44.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A15SW (NE)	549	5	336402 187314
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 203.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A5NE (SW)	549	5	335391 186184
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A14SW (NW)	553	5	335511 187127

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 81.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A15SW (N)	558	5	336271 187327
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 553.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Monks' Ditch Catchment Name: Usk and Llwyd Primacy: 1	A7NE (SE)	563	5	336718 186206
101	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A15SW (N)	567	5	336211 187328
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 190.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A14SW (NW)	570	5	335506 187145
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A14SW (NW)	570	5	335506 187145
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 74.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A15SW (N)	574	5	336131 187336
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 140.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A15NW (N)	577	5	336213 187375
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 38.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A15NW (N)	577	5	336350 187347
107	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 91.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A15NE (NE)	580	5	336422 187344

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
108	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 39.4 Watercourse Level: Underground Permanent: True Watercourse Name: Monks' Ditch Catchment Name: Usk and Llwyd Primacy: 1	A15SE (NE)	584	5	336642 187269
109	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A15NW (NE)	589	5	336388 187356
110	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 104.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A15NE (NE)	591	5	336483 187342
111	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A15NE (NE)	591	5	336483 187342
112	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 88.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A7SW (S)	591	5	336132 185972
113	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A15NW (NE)	592	5	336396 187358
114	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A9SE (W)	594	5	335208 186478
115	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1126.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Monks' Ditch Catchment Name: Usk and Llwyd Primacy: 1	A15SE (NE)	595	5	336615 187297
116	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A15NW (NE)	595	5	336401 187360

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
117	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6NW (SW)	595	5	335406 186105
118	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 63.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6NW (SW)	599	5	335409 186098
119	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 300.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A9NE (W)	608	5	335198 186726
120	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 172.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A8NW (SE)	610	5	336831 186264
121	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 369.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A15NW (N)	610	5	336147 187402
122	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A15NW (N)	610	5	336195 187369
123	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 125.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A15NE (NE)	610	5	336428 187372
124	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 52.9 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A9SE (W)	613	5	335183 186545
125	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A15NW (N)	613	5	336213 187375

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
126	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 218.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6SW (SW)	616	5	335602 185970
127	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 110.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6SW (SW)	616	5	335602 185970
128	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A15NW (N)	617	5	336192 187379
129	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A14NE (N)	618	5	335876 187360
130	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 129.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A15NW (N)	620	5	336161 187382
131	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 184.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A14NE (N)	626	5	336027 187387
132	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A14NE (N)	628	5	336062 187391
133	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A9NE (W)	628	5	335198 186788
134	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A14NE (N)	631	5	336064 187395

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
135	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 324.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A8NW (SE)	632	5	336780 186169
136	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A9NE (W)	637	5	335208 186845
137	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A9NE (W)	637	5	335208 186845
138	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 584.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A8NW (E)	644	5	336906 186316
139	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A14NE (N)	644	5	335868 187386
140	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A14NE (N)	646	5	335866 187387
141	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 177.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A14NE (N)	646	5	335866 187387
142	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 207.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A14NE (N)	646	5	336061 187409
143	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A9NE (W)	646	5	335197 186840

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
144	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A9NE (W)	647	5	335197 186845
145	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A9NE (W)	647	5	335197 186845
146	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A9NE (W)	648	5	335211 186877
147	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.4 Watercourse Level: Underground Permanent: True Watercourse Name: Julian's Reen Catchment Name: Usk and Llwyd Primacy: 2	A5NE (SW)	648	5	335268 186178
148	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A16SW (NE)	651	5	336934 187053
149	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Julian's Reen Catchment Name: Usk and Llwyd Primacy: 2	A5NE (SW)	651	5	335267 186175
150	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 78.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6NW (SW)	652	5	335413 186026
151	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A5NE (SW)	654	5	335258 186183
152	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 107.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A9NE (W)	659	5	335214 186909

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
153	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 179.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Julian's Reen Catchment Name: Usk and Llwyd Primacy: 2	A5NE (SW)	659	5	335266 186163
154	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A15SE (NE)	660	5	336751 187287
155	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 800.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A16SW (NE)	669	5	336955 187051
156	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A5NE (SW)	672	5	335231 186192
157	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 137.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A15NE (NE)	675	5	336556 187408
158	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A7SW (S)	680	5	336205 185875
159	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Barn Reen Catchment Name: Usk and Llwyd Primacy: 2	A15SE (NE)	682	5	336746 187319
160	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 35.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Barn Reen Catchment Name: Usk and Llwyd Primacy: 2	A15SE (NE)	682	5	336746 187319
161	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A7SW (S)	682	5	336203 185874

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
162	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 172.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A7SW (S)	682	5	336203 185874
163	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A7SW (S)	685	5	336207 185871
164	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A7SW (S)	686	5	336212 185869
165	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 206.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A14NE (N)	687	5	335854 187426
166	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 212.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A7SW (S)	687	5	336217 185868
167	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A14NE (N)	688	5	335986 187446
168	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 395.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A14NE (N)	689	5	335975 187445
169	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 281.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A7SW (S)	689	5	336214 185867
170	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 159.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A5NE (SW)	691	5	335240 186145

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
171	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A15NW (N)	693	5	336233 187459
172	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 152.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6SW (SW)	697	5	335443 185953
173	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 52.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6SW (SW)	697	5	335443 185953
174	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6SW (SW)	698	5	335651 185871
175	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 111.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6SW (SW)	702	5	335653 185867
176	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 66.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Barn Reen Catchment Name: Usk and Llwyd Primacy: 2	A16SW (NE)	706	5	336791 187314
177	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A16SW (NE)	706	5	336791 187314
178	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 152.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A14NW (NW)	706	5	335683 187396
179	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 76.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A15NW (N)	707	5	336231 187472

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
180	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Barn Reen Catchment Name: Usk and Llwyd Primacy: 2	A15NE (NE)	708	5	336742 187354
181	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 452.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Black Wall Catchment Name: Usk and Llwyd Primacy: 2	A8NW (SE)	709	5	336813 186094
182	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 71.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A14SW (NW)	714	5	335526 187334
183	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A13SE (W)	718	5	335209 187014
184	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A14NW (NW)	723	5	335662 187405
185	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 66.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A13SE (NW)	724	5	335211 187027
186	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 53.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A7SE (SE)	731	5	336431 185854
187	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Barn Reen Catchment Name: Usk and Llwyd Primacy: 2	A15NE (NE)	732	5	336743 187382
188	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A16SW (NE)	734	5	336877 187275

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
189	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 103.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6SE (S)	739	5	335845 185816
190	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6SE (S)	739	5	335845 185816
191	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 237.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Barn Reen Catchment Name: Usk and Llwyd Primacy: 2	A16SW (NE)	740	5	336857 187303
192	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A16SW (NE)	740	5	336857 187303
193	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6SE (S)	740	5	335843 185815
194	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 149.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6SE (S)	742	5	335839 185814
195	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A12SE (E)	744	5	337092 186534
196	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A14NW (NW)	744	5	335654 187425
197	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 144.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6SW (SW)	744	5	335440 185902

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
198	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 44.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A13SE (NW)	745	5	335234 187089
199	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 52.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Barn Reen Catchment Name: Usk and Llwyd Primacy: 2	A15NE (NE)	749	5	336752 187395
200	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 181.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A16SW (NE)	751	5	336876 187299
201	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A7SE (SE)	758	5	336496 185848
202	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A14NW (NW)	759	5	335649 187439
203	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 125.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A14NW (NW)	762	5	335648 187442
204	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A8NW (SE)	764	5	337009 186254
205	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 117.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A8NW (SE)	766	5	337009 186250
206	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A8NW (SE)	766	5	337007 186246

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
207	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 122.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A13SE (NW)	770	5	335232 187133
208	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A7SE (SE)	771	5	336477 185826
209	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 50.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A14NW (NW)	775	5	335531 187406
210	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.2 Watercourse Level: Underground Permanent: True Watercourse Name: Julian's Reen Catchment Name: Usk and Llwyd Primacy: 2	A5NE (SW)	775	5	335261 185994
211	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 69.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Julian's Reen Catchment Name: Usk and Llwyd Primacy: 2	A5NE (SW)	779	5	335260 185990
212	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A15NW (N)	783	5	336215 187547
213	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 157.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A5NE (SW)	783	5	335253 185990
214	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A7SE (SE)	783	5	336460 185809
215	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 135.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A7SE (SE)	784	5	336459 185807

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
216	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A7SE (SE)	784	5	336459 185807
217	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 328.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A7SE (SE)	785	5	336460 185806
218	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 120.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6SW (SW)	789	5	335448 185847
219	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 161.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6SW (SW)	795	5	335697 185766
220	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 109.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6SW (SW)	797	5	335451 185835
221	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6SW (SW)	797	5	335451 185835
222	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 136.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A15NE (NE)	800	5	336632 187514
223	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 70.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Julian's Reen Catchment Name: Usk and Llwyd Primacy: 2	A5SE (SW)	800	5	335292 185933
224	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Barn Reen Catchment Name: Usk and Llwyd Primacy: 2	A16NW (NE)	801	5	336780 187440

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
225	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Barn Reen Catchment Name: Usk and Llwyd Primacy: 2	A16NW (NE)	804	5	336781 187443
226	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Oxleaze Reen Catchment Name: Usk and Llwyd Primacy: 1	A16NW (NE)	809	5	336786 187445
227	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Barn Reen Catchment Name: Usk and Llwyd Primacy: 1	A16NW (NE)	809	5	336785 187446
228	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.1 Watercourse Level: Underground Permanent: True Watercourse Name: Oxleaze Reen Catchment Name: Usk and Llwyd Primacy: 1	A16NW (NE)	811	5	336791 187444
229	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Oxleaze Reen Catchment Name: Usk and Llwyd Primacy: 1	A16NW (NE)	812	5	336795 187443
230	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 420.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Oxleaze Reen Catchment Name: Usk and Llwyd Primacy: 1	A16NW (NE)	814	5	336799 187442
231	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 30.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A16NW (NE)	814	5	336799 187442
232	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 98.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A14NW (NW)	821	5	335581 187478
233	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A14NW (NW)	821	5	335524 187454

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
234	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 308.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A14NW (NW)	821	5	335581 187478
235	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A14NW (NW)	823	5	335519 187453
236	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 190.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A7SW (S)	824	5	336092 185742
237	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 394.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A7SW (S)	824	5	336092 185742
238	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 248.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Middle Reen Catchment Name: Usk and Llwyd Primacy: 2	A7SE (SE)	830	5	336638 185833
239	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 116.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6SE (S)	836	5	335888 185722
240	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6SE (S)	836	5	335888 185722
241	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6SE (S)	837	5	335885 185721
242	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Barn Reen Catchment Name: Usk and Llwyd Primacy: 1	A16NW (NE)	840	5	336798 187475

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
243	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 83.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A15NE (NE)	840	5	336727 187519
244	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 270.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6SE (S)	840	5	335883 185718
245	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 141.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A14NW (NW)	842	5	335483 187456
246	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 65.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A16NW (NE)	844	5	336817 187467
247	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A5SE (SW)	846	5	335340 185842
248	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A5SE (SW)	846	5	335340 185842
249	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 109.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A5SE (SW)	847	5	335340 185841
250	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.8 Watercourse Level: Underground Permanent: True Watercourse Name: Barn Reen Catchment Name: Usk and Llwyd Primacy: 1	A16NW (NE)	848	5	336803 187481
251	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Barn Reen Catchment Name: Usk and Llwyd Primacy: 1	A16NW (NE)	856	5	336807 187488

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
252	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.2 Watercourse Level: Underground Permanent: True Watercourse Name: Julian's Reen Catchment Name: Usk and Llwyd Primacy: 2	A5SE (SW)	857	5	335287 185865
253	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 315.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ellen Reen Catchment Name: Usk and Llwyd Primacy: 2	A7SW (S)	857	5	336365 185710
254	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 63.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A15NE (NE)	863	5	336725 187542
255	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A15NE (NE)	864	5	336723 187544
256	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 77.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Julian's Reen Catchment Name: Usk and Llwyd Primacy: 2	A5SE (SW)	864	5	335286 185858
257	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.1 Watercourse Level: Underground Permanent: True Watercourse Name: Barn Reen Catchment Name: Usk and Llwyd Primacy: 1	A16NW (NE)	868	5	336813 187498
258	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A15NE (NE)	868	5	336721 187549
259	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 194.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A8SW (SE)	869	5	336885 185944
260	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Barn Reen Catchment Name: Usk and Llwyd Primacy: 1	A16NW (NE)	872	5	336816 187501

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
261	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 127.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A9SW (W)	875	5	334925 186479
262	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 254.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A9NW (W)	877	5	334938 186813
263	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A14NE (N)	878	5	335747 187598
264	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 266.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6SW (SW)	881	5	335482 185731
265	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 172.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6SW (SW)	881	5	335493 185725
266	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.0 Watercourse Level: Underground Permanent: True Watercourse Name: Barn Reen Catchment Name: Usk and Llwyd Primacy: 1	A16NW (NE)	883	5	336822 187509
267	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 140.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A5SE (SW)	883	5	335236 185871
268	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A5SE (SW)	885	5	335239 185867
269	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 44.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A5SE (SW)	892	5	335252 185848

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
270	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A16SW (NE)	895	5	337091 187266
271	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A14NE (N)	895	5	335754 187618
272	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 86.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A14NE (N)	897	5	335755 187620
273	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Barn Reen Catchment Name: Usk and Llwyd Primacy: 1	A16NW (NE)	897	5	336831 187520
274	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A16NW (NE)	898	5	336809 187539
275	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 96.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Barn Reen Catchment Name: Usk and Llwyd Primacy: 1	A16NW (NE)	898	5	336832 187522
276	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A9NW (W)	898	5	334903 186685
277	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A16NW (NE)	901	5	336809 187539
278	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 157.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A8NE (E)	902	5	337156 186238

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
279	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A16NW (NE)	902	5	336780 187559
280	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A9NW (W)	902	5	334949 186908
281	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A15NE (NE)	903	5	336737 187581
282	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A16NW (NE)	903	5	336756 187571
283	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A16NW (NE)	903	5	336768 187565
284	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A16NW (NE)	903	5	336776 187561
285	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 146.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A15NE (NE)	904	5	336715 187592
286	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A15NE (NE)	904	5	336715 187592
287	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 261.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A9NW (W)	905	5	334951 186922

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
288	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A16SE (NE)	906	5	337092 187284
289	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 193.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A16NW (NE)	909	5	336855 187520
290	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Barn Reen Catchment Name: Usk and Llwyd Primacy: 2	A16SE (NE)	909	5	337093 187288
291	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A16NW (NE)	909	5	336855 187520
292	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 195.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A7SW (S)	911	5	336390 185659
293	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 123.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A7SW (S)	911	5	336390 185659
294	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A15NE (NE)	916	5	336643 187633
295	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.6 Watercourse Level: Underground Permanent: True Watercourse Name: Barn Reen Catchment Name: Usk and Llwyd Primacy: 2	A16SE (NE)	917	5	337109 187279
296	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 403.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Barn Reen Catchment Name: Usk and Llwyd Primacy: 2	A16SE (NE)	918	5	337114 187274

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
297	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A15NE (NE)	918	5	336645 187634
298	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 62.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A9NW (W)	920	5	334931 186912
299	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 395.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A8SW (SE)	922	5	336877 185871
300	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A16NW (NE)	926	5	336865 187534
301	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 120.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A6SW (SW)	927	5	335593 185650
302	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 167.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A16NW (NE)	930	5	336867 187537
303	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 180.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A2NW (SW)	934	5	335626 185636
304	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 73.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A13NE (NW)	935	5	335253 187409
305	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 50.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A5SE (SW)	937	5	335107 185920

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
306	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A5SE (SW)	937	5	335107 185920
307	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.9 Watercourse Level: Underground Permanent: True Watercourse Name: Julian's Reen Catchment Name: Usk and Llwyd Primacy: 2	A5SE (SW)	937	5	335225 185811
308	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 140.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A5SE (SW)	940	5	335213 185818
309	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 110.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Julian's Reen Catchment Name: Usk and Llwyd Primacy: 2	A5SE (SW)	941	5	335221 185809
310	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 99.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A2NE (S)	947	5	335932 185615
311	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A2NE (S)	947	5	335932 185615
312	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 62.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A13NE (NW)	955	5	335350 187509
313	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 893.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A9NW (W)	957	5	334850 186744
314	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 62.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A5SE (SW)	957	5	335247 185771

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
315	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A13NE (NW)	959	5	335291 187471
316	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A5SE (SW)	959	5	335250 185767
317	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A2NE (S)	961	5	335963 185602
318	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 152.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A5SE (SW)	962	5	335254 185760
319	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 121.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A2NE (S)	964	5	335960 185599
320	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 80.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A2NE (S)	964	5	335960 185599
321	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 46.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A13SW (W)	972	5	334932 187045
322	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 93.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A8NE (SE)	974	5	337187 186144
323	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 105.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A9SW (W)	978	5	334846 186326

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
324	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 71.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A5NW (W)	978	5	334848 186314
325	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A9SW (W)	990	5	334807 186510
326	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 30.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A16NW (NE)	992	5	336761 187667
327	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A16NW (NE)	994	5	336893 187597
328	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 143.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A16NW (NE)	994	5	336875 187611
329	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A5SE (SW)	995	5	335070 185874
330	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 124.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A13NE (NW)	997	5	335273 187506
331	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A13NE (NW)	997	5	335273 187506
332	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 40.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A13NE (NW)	999	5	335272 187507

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
333	Licensed Waste Management Facilities (Landfill Boundaries) Name: Llanwern Landfill : South Side Of Queensway Licence Number: 30009 Location: Llanwern Landfill South Side Of Queensway, Corus, Llanwern Works, Newport, Gwent, NP19 4QX Licence Holder: Corus Strip Products P P C (Gp3331sv) Authority: Natural Resources Wales Site Category: Industrial Waste Landfills Max Input Rate: Not Supplied Licence Status: Modified Issued: 31st May 1979 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A8NW (SE)	605	2	336788 186218
334	Licensed Waste Management Facilities (Locations) Licence Number: CB3491HU Location: Englobe Wastewater Treatment Plant Glan Llyn St Modwen Development Site, Queenz's Way, Llanwern, Newport, NP19 4TZ Operator Name: Englobe Regeneration UK Limited Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Physico-chemical Treatment Facilities Licence Status: Effective Issued: 2nd March 2022 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11SW (SE)	194	2	336338 186394
334	Licensed Waste Management Facilities (Locations) Licence Number: PAN-011383 Location: Glan Llyn Development Site, Queensway, Llanwern, NP19 4TZ Operator Name: Celtic Technologies Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Mobile Plant for remediation of land Licence Status: Effective Issued: 15th October 2020 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11SW (SE)	196	2	336365 186408
335	Licensed Waste Management Facilities (Locations) Licence Number: PAN-015198 Location: Phase 4a and 5, Glan Llyn Former Coking Works, Llanwern, Newport, NP19 4QZ Operator Name: Vertase FLI Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Mobile Plant for remediation of land Licence Status: Effective Issued: 8th November 2021 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15SW (N)	292	2	336187 187042
	Local Authority Landfill Coverage Name: Newport County Borough Council - Has no landfill data to supply		0	6	336084 186652
336	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A15NW (N)	800	10	336349 187576
337	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1989	A10NE (N)	211	10	336078 186975
338	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1989	A11NW (N)	211	10	336081 186975

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
339	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A11NE (E)	311	10	336668 186769
340	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A10SW (W)	344	10	335453 186569
341	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A10SW (W)	374	10	335422 186638
342	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A9SE (W)	406	10	335390 186570
343	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A10NW (W)	418	10	335419 186779
344	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A9SE (W)	467	10	335330 186615
345	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A9SE (W)	525	10	335272 186603
346	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A5NE (SW)	534	10	335324 186306
347	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A9SE (W)	578	10	335220 186613
348	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A9SE (W)	588	10	335211 186489
349	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A12SW (E)	590	10	336945 186592
350	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A9NE (W)	669	10	335169 186830
351	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A9SE (W)	717	10	335081 186624
352	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A9SE (W)	718	10	335079 186611
353	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A9SW (W)	745	10	335052 186607
354	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A9SE (W)	758	10	335069 186339
355	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A9SW (W)	760	10	335067 186340
356	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A9NW (W)	763	10	335045 186730
357	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A9SW (W)	776	10	335030 186431
358	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A9SW (W)	870	10	334929 186488
359	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A9SW (W)	874	10	334926 186476

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
360	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A5NW (SW)	876	10	335031 186127
361	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A5NW (SW)	880	10	335025 186129
362	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A9SW (W)	891	10	334906 186593
363	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A5NW (W)	943	10	334892 186286
364	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A9NW (W)	968	10	334838 186726
365	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A9SW (W)	983	10	334814 186580
366	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A5SW (SW)	983	10	335004 185973
367	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A9SW (W)	987	10	334810 186550
368	Registered Waste Treatment or Disposal Sites Licence Holder: Bitmac Ltd Licence Reference: 026/80 Site Location: Llanwern Works, NEWPORT, Gwent, NP9 0XN Operator Location: Queensway, Llanwern Works, Newport, Gwent Authority: Environment Agency Wales, South East Area Site Category: Incineration Max Input Rate: Undefined Waste Source: Only waste produced on site Restrictions: Licence Status: Site now IPC authorised Dated: 1st March 1980 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Sulphuric Acid (Acid Tars)	A11SW (SE)	60	3	336200 186500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
369	Control of Major Accident Hazards Sites (COMAH) Name: British Oxygen Co Limited Location: NEWPORT, Gwent, NP18 2DS Reference: Not Supplied Type: Lower Tier Status: Record Ceased To Be Supplied Under COMAH Regulations Positional Accuracy: Manually positioned to the address or location	A11NE (E)	187	7	336546 186739
370	Control of Major Accident Hazards Sites (COMAH) Name: Air Products Public Limited Company Location: Llanwern Works, Newport, Gwent, NP19 4QZ Reference: Not Supplied Type: Lower Tier Status: Active Positional Accuracy: Automatically positioned to the address	A9NE (W)	722	7	335106 186809
371	Notification of Installations Handling Hazardous Substances (NIHHS) Name: B.S.C. Location: Llanwern Works, NEWPORT, Gwent, NPT 0XN Status: Not Active Positional Accuracy: Manually positioned to the address or location	A11NE (E)	379	7	336722 186844
372	Planning Hazardous Substance Consents Name: British Steel Location: Llanwern Steelworks, Llanwern, Newport, Gwent, NP9 0XN Authority: Newport City Council, Planning Department Application Ref: 93/0089/Hsc Hazardous: Liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not) Substance: liquefied or not Maximum Quantity: 320 Application date: 9th February 1993 Decision: Deemed Consent Granted Positional Accuracy: Located by supplier to within 10m	A11NW (NE)	116	8	336229 186868

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Triassic Rocks (Undifferentiated)	A11SW (S)	0	1	336084 186652
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11SW (S)	0	1	336084 186652
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 120 - 180 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A15SW (N)	486	1	336130 187263
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A15SW (N)	531	1	336137 187306
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 120 - 180 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A16SW (NE)	613	1	336795 187190
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A16SW (NE)	654	1	336845 187194
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 35 - 45 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A15NW (N)	689	1	336107 187491

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
373	BGS Recorded Mineral Sites Site Name: Llanwern Steelworks Slag Location: Llanwern, Newport, Gwent Source: British Geological Survey, National Geoscience Information Service Reference: 13203 Type: Tip Status: Ceased Operator: Tarmac (A Crh Company) Operator Location: Not Supplied Periodic Type: Not Available Geology: Blast Furnace Slag Commodity: Blast Furnace Slag Positional Accuracy: Located by supplier to within 100m	A7NE (SE)	529	1	336500 186100
374	BGS Recorded Mineral Sites Site Name: Llanwern Works Location: Llanwern, Newport, Gwent Source: British Geological Survey, National Geoscience Information Service Reference: 13204 Type: Tip Status: Ceased Operator: Hanson Cement Operator Location: Not Supplied Periodic Type: Not Available Geology: Ground Granulated Blast Furnace Slag - Addition, Cementitious Commodity: Blast Furnace Slag Positional Accuracy: Located by supplier to within 100m	A8NW (SE)	843	1	337000 186100
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (S)	0	1	336084 186652
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A11SW (S)	0	1	336084 186652
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (S)	0	1	336084 186652
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SW (S)	0	1	336084 186652
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A11SW (S)	0	1	336084 186652
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11SW (S)	0	1	336084 186652
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A11SW (S)	0	1	336084 186652
	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	A11SW (S)	0	1	336084 186652

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
375	Contemporary Trade Directory Entries Name: Tarmac Westen Ltd Location: Llanwnern Works, NEWPORT, Gwent, NP19 4QX Classification: Stone Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SE)	364	-	336430 186251
376	Contemporary Trade Directory Entries Name: Civil & Marine Ltd Location: Llanwnern Works, NEWPORT, Gwent, NP19 4QX Classification: Concrete Products Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SE)	377	-	336294 186184
377	Contemporary Trade Directory Entries Name: Petras Cleaning Co Ltd Location: 33, Bridling Crescent, Newport, NP19 4TU Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SE (W)	509	-	335288 186553
378	Contemporary Trade Directory Entries Name: Cariad Location: 54, Bloomery Circle, Newport, NP19 4TT Classification: Hospitals Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (W)	520	-	335311 186785
379	Contemporary Trade Directory Entries Name: Hope Oven Cleaning Location: 4, BESSEMER DRIVE, NEWPORT, NP19 4TP Classification: Oven cleaning Status: Active Positional Accuracy: Automatically positioned to the address	A9NE (W)	586	-	335274 186865
380	Contemporary Trade Directory Entries Name: Rushlift Location: Plover Close, Queensway Meadows Industrial Estate, Newport, Gwent, NP19 4SZ Classification: Fork Lift Trucks Status: Active Positional Accuracy: Automatically positioned to the address	A9SE (W)	637	-	335182 186389
381	Contemporary Trade Directory Entries Name: Tarmac Location: LLANWERN WORKS, LLANWERN, NEWPORT, NP19 4QX Classification: Concrete Products Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SE)	677	-	336460 185920
381	Contemporary Trade Directory Entries Name: Tarmac Western Ltd Location: Llanwnern Works, Newport, NP19 4QX Classification: Quarries Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SE)	678	-	336462 185920
382	Contemporary Trade Directory Entries Name: Stiller Group Location: Llanwnern Works, Newport, Gwent, NP19 4QZ Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (W)	722	-	335106 186809
382	Contemporary Trade Directory Entries Name: R & R Industrial Location: Llanwnern Works, Newport, Gwent, NP19 4QZ Classification: Engineering Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (W)	722	-	335106 186809
383	Contemporary Trade Directory Entries Name: Nationwide Crash Repair Centres Location: Curlew Close, Newport, NP19 4SY Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SE (W)	759	-	335070 186332

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
384	Contemporary Trade Directory Entries Name: Landrover Newport Location: Longditch Road, Queensway Meadows Industrial Estate, Newport, Gwent, NP19 4SW Classification: Car Customisation & Conversion Specialists Status: Inactive Positional Accuracy: Automatically positioned to the address	A5NW (W)	801	-	335046 186275
385	Contemporary Trade Directory Entries Name: J & B Sewing Machines Location: Curlew Close, Newport, NP19 4SY Classification: Sewing Machines - Industrial Status: Active Positional Accuracy: Automatically positioned to the address	A9SW (W)	802	-	335008 186409
385	Contemporary Trade Directory Entries Name: Stratstone Land Rover Location: Longditch Road, Queensway Meadows Industrial Estate, Newport, NP19 4SW Classification: Car Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A9SW (W)	846	-	334967 186387
386	Contemporary Trade Directory Entries Name: Motorpoint Newport Location: Meadows Road, Queensway Meadows Industrial Estate, Newport, Gwent, NP19 4SS Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A5NW (SW)	905	-	334992 186138
386	Contemporary Trade Directory Entries Name: Motorpoint Location: Meadows Road, Queensway Meadows Industrial Estate, Newport, NP19 4SS Classification: Car Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A5NW (SW)	906	-	334992 186137
387	Contemporary Trade Directory Entries Name: Grant Rail Location: British Steel Site, Llanwern Wks, Newport, Gwent, NP6 1XX Classification: Mechanical Engineers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A16SE (NE)	956	-	337154 187282
388	Contemporary Trade Directory Entries Name: Dutton Forshaw Citroen & Peugeot Location: Seven Stiles Avenue, Newport Retail Park, Newport, Gwent, NP19 4QS Classification: Car Dealers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A9NW (W)	1000	-	334825 186832
388	Contemporary Trade Directory Entries Name: Robins & Day Newport Location: Seven Stiles Avenue, Newport Retail Park, Newport, Gwent, NP19 4QS Classification: Car Dealers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A9NW (W)	1000	-	334825 186835
389	Points of Interest - Commercial Services Name: Stiller Group Location: Llanwern Works, Newport, NP19 4QZ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A9NE (W)	722	9	335106 186809
389	Points of Interest - Commercial Services Name: Stiller Group Location: Llanwern Works, Newport, NP19 4QZ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A9NE (W)	722	9	335106 186809
390	Points of Interest - Commercial Services Name: Nationwide Crash Repair Centres Ltd Location: Curlew Close, Queensway Meadows Industrial Estate, Newport, NP19 4SY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9SE (W)	760	9	335069 186333

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
391	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A11SW (SE)	47	9	336165 186536
391	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A11SW (SE)	71	9	336226 186484
392	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A11SW (SE)	74	9	336197 186487
392	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A11SW (SE)	82	9	336174 186489
392	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A11SW (SE)	84	9	336210 186473
392	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A11SW (S)	85	9	336142 186505
392	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A11SW (SE)	93	9	336225 186462
392	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A11SW (S)	116	9	336166 186454
392	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A11SW (SE)	119	9	336207 186438
392	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A11SW (S)	121	9	336152 186457
392	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A11SW (S)	150	9	336151 186424
392	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A11SW (S)	156	9	336114 186438

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
392	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A11SW (S)	157	9	336176 186406
392	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A11SW (S)	172	9	336112 186420
392	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A11SW (S)	193	9	336111 186397
393	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A11NW (N)	94	9	336136 186851
394	Points of Interest - Manufacturing and Production Name: Spencer Steelworks Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A10NE (W)	135	9	335749 186753
395	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A11NW (NE)	161	9	336275 186927
395	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A11NW (NE)	187	9	336285 186955
395	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A11NW (NE)	215	9	336305 186985
395	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A11NW (NE)	227	9	336257 186991
395	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A15SW (NE)	235	9	336274 187002
395	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A15SW (N)	256	9	336204 187008
395	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A15SW (NE)	256	9	336284 187024

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
395	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A15SW (NE)	257	9	336245 187020
395	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A15SW (NE)	270	9	336294 187039
395	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A15SW (NE)	278	9	336255 187043
395	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A15SW (N)	282	9	336186 187032
395	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A15SW (NE)	284	9	336261 187049
395	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A15SW (N)	292	9	336199 187044
396	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A11NW (NE)	204	9	336347 186973
396	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A15SW (NE)	248	9	336359 187016
397	Points of Interest - Manufacturing and Production Name: Spencer Steelworks Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A11SW (SE)	237	9	336405 186381
398	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A15SW (NE)	310	9	336274 187078
398	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A15SW (N)	319	9	336227 187079
398	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A15SW (N)	336	9	336252 187101

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
398	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A15SW (N)	355	9	336276 187123
398	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A15SW (NE)	359	9	336295 187129
398	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A15SW (N)	371	9	336266 187138
398	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A15SW (N)	391	9	336213 187150
398	Points of Interest - Manufacturing and Production Name: Spencer Steelworks Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A15SW (N)	422	9	336247 187187
399	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A15SW (N)	315	9	336195 187067
399	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A15SW (N)	361	9	336149 187120
400	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7NW (SE)	350	9	336370 186237
400	Points of Interest - Manufacturing and Production Name: Tarmac (Western) Ltd Location: Llanwern Works, Newport, NP19 4QX Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A7NE (SE)	364	9	336430 186251
400	Points of Interest - Manufacturing and Production Name: Tarmac Westen Ltd Location: Llanwern Works, Newport, NP19 4QX Category: Extractive Industries Class Code: Stone Quarrying and Preparation Positional Accuracy: Positioned to address or location	A7NE (SE)	364	9	336430 186251
401	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A11SE (SE)	360	9	336614 186392
402	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7NW (SE)	372	9	336342 186202

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
403	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A15SE (NE)	384	9	336541 187097
404	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A15SW (N)	416	9	336083 187180
405	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7NW (SE)	423	9	336350 186151
405	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7NW (S)	455	9	336290 186105
406	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9SE (W)	435	9	335362 186583
406	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9SE (W)	450	9	335346 186563
407	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SW (E)	511	9	336872 186654
407	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12NW (E)	511	9	336873 186668
407	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12NW (E)	587	9	336949 186689
408	Points of Interest - Manufacturing and Production Name: Steelworks Location: NP19 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (SE)	543	9	336759 186280
409	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12NW (E)	548	9	336886 186887
409	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12NW (E)	561	9	336889 186925

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
410	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7NW (S)	555	9	336322 186009
410	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A7NW (S)	561	9	336321 186003
410	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A7NW (S)	565	9	336330 186000
411	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12NW (E)	555	9	336914 186757
412	Points of Interest - Manufacturing and Production Name: Celtic Business Park Location: NP19 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A12SW (E)	560	9	336850 186389
412	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SW (E)	576	9	336893 186448
412	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SW (E)	585	9	336907 186461
412	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SW (E)	594	9	336918 186464
412	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SW (E)	603	9	336928 186466
413	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SW (E)	560	9	336911 186569
413	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SW (E)	577	9	336921 186534
414	Points of Interest - Manufacturing and Production Name: Spencer Steelworks Location: NP19 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9SE (W)	567	9	335232 186496

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
415	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7NE (SE)	568	9	336523 186069
416	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A15SE (NE)	594	9	336682 187257
416	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A15SE (NE)	596	9	336695 187250
416	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A15SE (NE)	599	9	336683 187262
416	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A15SE (NE)	601	9	336691 187259
417	Points of Interest - Manufacturing and Production Name: Steelworks Location: NP19 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A16SW (NE)	613	9	336776 187205
417	Points of Interest - Manufacturing and Production Name: Spencer Steelworks Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A16SW (NE)	616	9	336775 187210
418	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12NW (E)	648	9	336988 186888
418	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12NW (E)	649	9	336987 186897
419	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SW (E)	650	9	337011 186658
419	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12NW (E)	726	9	337088 186674
420	Points of Interest - Manufacturing and Production Name: Spencer Steelworks Location: NP19 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7SE (SE)	667	9	336508 185951

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
420	Points of Interest - Manufacturing and Production Name: Tarmac Location: Tarmac Ltd Lanwern Works, Queensway, Llanwern, Newport, NP19 4QX Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A7SE (SE)	677	9	336460 185920
421	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A16SW (NE)	691	9	336961 187087
422	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12NW (E)	762	9	337089 186954
422	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A16SW (E)	778	9	337091 187004
422	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A16SE (E)	805	9	337095 187071
423	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13SE (NW)	776	9	335171 187061
424	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A16SE (NE)	827	9	337096 187123
425	Points of Interest - Manufacturing and Production Name: Spencer Steelworks Location: NP19 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9SW (W)	828	9	334972 186478
426	Points of Interest - Manufacturing and Production Name: Spencer Steelworks Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A6SE (S)	835	9	335973 185728
426	Points of Interest - Manufacturing and Production Name: Steelworks Location: NP19 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A6SE (S)	841	9	335973 185722
427	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13SE (NW)	840	9	335196 187203
428	Points of Interest - Manufacturing and Production Name: Spencer Steelworks Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (W)	852	9	334964 186777

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
429	Points of Interest - Manufacturing and Production Name: Spencer Steelworks Location: NP19 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12NE (E)	866	9	337226 186748
430	Points of Interest - Manufacturing and Production Name: Spencer Steelworks Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12SE (E)	920	9	337247 186425
430	Points of Interest - Manufacturing and Production Name: Steelworks Location: NP19 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12SE (E)	920	9	337247 186424
431	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8NE (SE)	933	9	337106 186093
432	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A13NE (NW)	934	9	335216 187372
432	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A13NE (NW)	935	9	335215 187372
432	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A13NE (NW)	938	9	335211 187372
433	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12NE (E)	939	9	337277 186928
434	Points of Interest - Manufacturing and Production Name: Spencer Steelworks Location: NP19 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A16SE (E)	946	9	337239 187090
434	Points of Interest - Manufacturing and Production Name: Spencer Steelworks Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A16SE (E)	977	9	337271 187092
435	Points of Interest - Manufacturing and Production Name: F T P Waters Location: Tatton Farm, Broad Street Common, Nash, Newport, NP18 2BE Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A5SE (SW)	956	9	335214 185796
436	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12NE (E)	961	9	337323 186718

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
436	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12NE (E)	986	9	337348 186720
437	Points of Interest - Manufacturing and Production Name: Tanks Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SE (E)	980	9	337329 186522
437	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A12SE (E)	989	9	337338 186523
437	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A12SE (E)	989	9	337335 186503
437	Points of Interest - Manufacturing and Production Name: Tank Location: NP19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A12SE (E)	996	9	337342 186506
438	Points of Interest - Public Infrastructure Name: Sluice Location: NP19 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A10SE (SW)	222	9	335812 186332
438	Points of Interest - Public Infrastructure Name: Sluice Location: NP19 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A10SE (SW)	222	9	335817 186333
438	Points of Interest - Public Infrastructure Name: Sluice Location: NP19 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A10SE (SW)	227	9	335826 186328
439	Points of Interest - Public Infrastructure Name: Sluice Location: NP19 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A6NE (S)	246	9	335955 186319
439	Points of Interest - Public Infrastructure Name: Sluice Location: NP19 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A6NE (S)	337	9	335990 186226
439	Points of Interest - Public Infrastructure Name: Sluice Location: NP19 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A6NE (S)	338	9	335985 186225
440	Points of Interest - Public Infrastructure Name: Sluice Location: NP19 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A6NE (SW)	334	9	335844 186222

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
441	Points of Interest - Public Infrastructure Name: Sluice Location: NP19 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A6NE (S)	435	9	336034 186129
442	Points of Interest - Public Infrastructure Name: Sluice Location: NP19 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A6NE (S)	458	9	335892 186104
442	Points of Interest - Public Infrastructure Name: Sluice Location: NP19 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A6NE (S)	458	9	335896 186105
443	Points of Interest - Public Infrastructure Name: Sluice Location: NP19 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12NW (E)	471	9	336816 186842
443	Points of Interest - Public Infrastructure Name: Sluice Location: NP19 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12NW (E)	484	9	336819 186889
444	Points of Interest - Public Infrastructure Name: Slag Heap Location: NP19 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A7NE (SE)	538	9	336526 186105
444	Points of Interest - Public Infrastructure Name: Slag Heap Location: NP19 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A7NE (SE)	550	9	336469 186062
445	Points of Interest - Public Infrastructure Name: Sluice Location: NP19 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A15NE (NE)	580	9	336431 187341
446	Points of Interest - Public Infrastructure Name: Slag Heap Location: NP19 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A8NW (SE)	622	9	336797 186203
447	Points of Interest - Public Infrastructure Name: Slag Heap Location: NP19 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A7SE (SE)	704	9	336618 185965
448	Points of Interest - Public Infrastructure Name: Slag Heap Location: NP19 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A8NW (SE)	889	9	337055 186096
449	Points of Interest - Public Infrastructure Name: Slag Heap Location: NP19 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A8NW (SE)	961	9	337065 185994

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
450	Points of Interest - Recreational and Environmental Name: Play Area Location: NP19 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A10NW (NW)	344	9	335583 186891
451	Points of Interest - Recreational and Environmental Name: Play Area Location: NP19 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A10NW (W)	381	9	335446 186749
452	Points of Interest - Recreational and Environmental Name: Play Area Location: NP19 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9SE (W)	402	9	335396 186598
453	Points of Interest - Recreational and Environmental Name: Play Area Location: NP19 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9NE (W)	468	9	335346 186723
453	Points of Interest - Recreational and Environmental Name: Play Area Location: NP19 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9NE (W)	501	9	335339 186804
454	Points of Interest - Recreational and Environmental Name: Play Area Location: NP19 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9SE (W)	523	9	335274 186593
455	Points of Interest - Recreational and Environmental Name: Play Area Location: NP19 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9NE (W)	564	9	335251 186740
456	Points of Interest - Recreational and Environmental Name: Play Area Location: NP19 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9NE (W)	802	9	335083 186966
456	Points of Interest - Recreational and Environmental Name: Play Area Location: NP19 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9NW (W)	818	9	335035 186899
457	Points of Interest - Recreational and Environmental Name: Play Area Location: NP18 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A15NE (NE)	879	9	336635 187597
458	Points of Interest - Recreational and Environmental Name: Play Area Location: NP19 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13SE (NW)	904	9	335080 187152
459	Points of Interest - Recreational and Environmental Name: Play Area Location: NP19 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13SW (W)	944	9	334977 187069

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
460	Underground Electrical Cables Unique Feature Identifier: 10005592 Cable Status: Commissioned Cable Type: Alternating Current Record Last Updated: 27th October 2017	A12SE (E)	965	10	337283 186389
461	Underground Electrical Cables Unique Feature Identifier: 10005510 Cable Status: Commissioned Cable Type: Alternating Current Record Last Updated: 27th October 2017	A12SE (E)	966	10	337283 186384
462	Underground Electrical Cables Unique Feature Identifier: 10007516 Cable Status: Commissioned Cable Type: Alternating Current Record Last Updated: 27th October 2017	A12SE (E)	973	10	337288 186374
463	Underground Electrical Cables Unique Feature Identifier: 10005509 Cable Status: Commissioned Cable Type: Alternating Current Record Last Updated: 27th October 2017	A12SE (E)	975	10	337289 186374

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
464	Ancient Woodland Name: Not Supplied Reference: 8382 Area(m ²): 94558.08 Type: Ancient and Semi-Natural Woodland	A18SE (N)	937	2	336041 187700
465	Ancient Woodland Name: Not Supplied Reference: 15604 Area(m ²): 8307.38 Type: Ancient and Semi-Natural Woodland	A14NW (NW)	956	2	335542 187608
466	Sites of Special Scientific Interest Name: Gwent Levels - Nash And Goldcliff Multiple Areas: Y Total Area (m2): 7606485.93 Source: Natural Resources Wales Reference: 64933wdb Designation Details: Biological Designation Date: 20th August 1987 Date Type: Notified	A6NE (S)	220	2	336058 186311

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Newport City Council - Public Protection and Environmental Services Natural Resources Wales Monmouthshire Council - Environment Department	January 2015 June 2020 September 2017	Annual Rolling Update Annually Annual Rolling Update
Discharge Consents Environment Agency - Welsh Region Natural Resources Wales	August 2014 October 2022	Quarterly Quarterly
Enforcement and Prohibition Notices Environment Agency - Welsh Region	March 2013	
Integrated Pollution Controls Environment Agency - Welsh Region	January 2009	
Integrated Pollution Prevention And Control Environment Agency - Welsh Region Natural Resources Wales	January 2021 October 2022	Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control Monmouthshire Council - Environmental Health Department Newport City Council - Public Protection and Environmental Services	June 2014 June 2014	Variable Variable
Local Authority Pollution Prevention and Controls Monmouthshire Council - Environmental Health Department Newport City Council - Public Protection and Environmental Services	June 2014 June 2014	Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Monmouthshire Council - Environmental Health Department Newport City Council - Public Protection and Environmental Services	June 2014 June 2014	Variable Variable
Nearest Surface Water Feature Ordnance Survey	September 2022	
Pollution Incidents to Controlled Waters Environment Agency - Welsh Region	December 1998	
Prosecutions Relating to Authorised Processes Environment Agency - Welsh Region Natural Resources Wales	July 2015 July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - Welsh Region Natural Resources Wales	March 2013 March 2013	
Registered Radioactive Substances Natural Resources Wales Environment Agency - Welsh Region	January 2015 June 2016	As notified
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	April 2012	
River Quality Chemistry Sampling Points Environment Agency - Head Office	April 2012	
Substantiated Pollution Incident Register Environment Agency Wales - South East Area Natural Resources Wales	January 2021 October 2022	Quarterly Quarterly
Water Abstractions Environment Agency - Welsh Region Natural Resources Wales	October 2022 October 2022	Quarterly Quarterly
Water Industry Act Referrals Environment Agency - Welsh Region Natural Resources Wales	October 2017 October 2022	Quarterly

Agency & Hydrological	Version	Update Cycle
Groundwater Vulnerability Map Natural Resources Wales	June 2018	As notified
Bedrock Aquifer Designations Natural Resources Wales	January 2018	Annually
Superficial Aquifer Designations Natural Resources Wales	January 2018	Annually
Source Protection Zones Natural Resources Wales	July 2022	Annual Rolling Update
Extreme Flooding from Rivers or Sea without Defences Natural Resources Wales	September 2020	
Flooding from Rivers or Sea without Defences Natural Resources Wales	September 2020	
Areas Benefiting from Flood Defences Natural Resources Wales	November 2019	Quarterly
Flood Water Storage Areas Natural Resources Wales	August 2019	Quarterly
Flood Defences Natural Resources Wales	November 2019	Quarterly
OS Water Network Lines Ordnance Survey	October 2022	Quarterly
Surface Water 1 in 30 year Flood Extent Natural Resources Wales	May 2018	Annually
Surface Water 1 in 100 year Flood Extent Natural Resources Wales	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent Natural Resources Wales	May 2018	Annually
Surface Water Suitability Natural Resources Wales	February 2016	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Natural Resources Wales	July 2019	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Welsh Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Natural Resources Wales Environment Agency Wales - South East Area	October 2021 October 2022	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency Wales - South East Area Natural Resources Wales	July 2021 July 2022	Quarterly Quarterly
Local Authority Landfill Coverage Monmouthshire Council - Environment Newport City Council	February 2003 February 2003	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Monmouthshire Council - Environment Newport City Council	October 2018 October 2018	
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	
Registered Landfill Sites Environment Agency Wales - South East Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency Wales - South East Area	April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency Wales - South East Area	June 2015	
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	January 2022	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Monmouthshire Council - Environment Newport City Council - Planning Department	February 2016 October 2015	Variable Variable
Planning Hazardous Substance Consents Monmouthshire Council - Environment Newport City Council - Planning Department	February 2016 October 2015	Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2022	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	September 2022	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	September 2022	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	October 2022	Quarterly
Fuel Station Entries Catalist Ltd - Experian	August 2022	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Points of Interest - Commercial Services PointX	December 2022	Quarterly
Points of Interest - Education and Health PointX	December 2022	Quarterly
Points of Interest - Manufacturing and Production PointX	December 2022	Quarterly
Points of Interest - Public Infrastructure PointX	December 2022	Quarterly
Points of Interest - Recreational and Environmental PointX	December 2022	Quarterly
Underground Electrical Cables National Grid	May 2021	Bi-Annually

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural Resources Wales	September 2018	Bi-Annually
Areas of Adopted Green Belt Monmouthshire Council Newport City Council	July 2022 July 2022	Quarterly Quarterly
Areas of Unadopted Green Belt Monmouthshire Council Newport City Council	July 2022 July 2022	Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural Resources Wales	August 2022	Bi-Annually
Environmentally Sensitive Areas The National Assembly for Wales - GI Services (Department of Planning & Countryside)	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Monmouthshire Council Newport City Council	August 2018 August 2018	Bi-Annually Bi-Annually
Marine Nature Reserves Natural Resources Wales	August 2018	Bi-Annually
National Nature Reserves Natural Resources Wales	February 2022	Bi-Annually
National Parks Natural Resources Wales	February 2018	Annually
Nitrate Vulnerable Zones The National Assembly for Wales - GI Services (Department of Planning & Countryside) Natural Resources Wales	April 2016 July 2019	Bi-Annually
Ramsar Sites Natural Resources Wales	July 2019	Bi-Annually
Sites of Special Scientific Interest Natural Resources Wales	March 2020	Bi-Annually
Special Areas of Conservation Natural Resources Wales	August 2020	Bi-Annually
Special Protection Areas Natural Resources Wales	August 2018	Bi-Annually

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

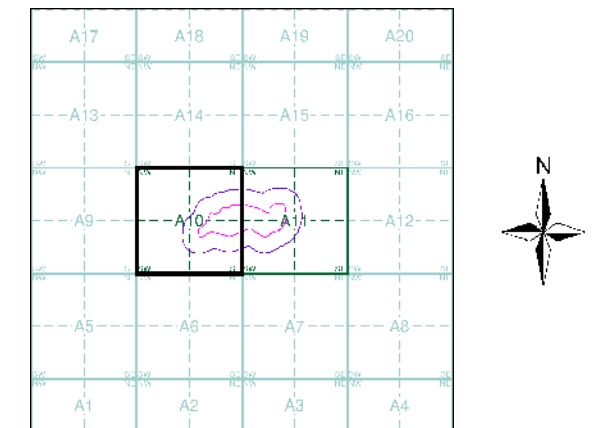
Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Natural Resources Wales Ty Cambria, 29 Newport Road, Cardiff, CF24 0TP	Telephone: 0300 065 3000 Email: enquiries@naturalresourceswales.gov.uk
3	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
4	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
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	Newport City Council Civic Centre, Newport, South Wales, NP9 4UR	Telephone: 01633 656656 Fax: 01633 244721 Website: www.newport.gov.uk
7	Health and Safety Executive 5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Website: www.hse.gov.uk
8	Newport City Council - Planning Department Civic Centre, Newport, South Wales, NP9 4UR	Telephone: 01633 656656 Fax: 01633 244721 Website: www.newport.gov.uk
9	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
10	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9966 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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



- ### General
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
- ### 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
 - 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
- ### Hazardous Substances
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
 - BGS Recorded Mineral Site
- ### Waste
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Landfill Boundary)
 - Licensed Waste Management Facility (Location)
 - Local Authority Recorded Landfill Site (Location)
 - Local Authority Recorded Landfill Site
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Registered Landfill Site
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site

Site Sensitivity Map - Segment A10

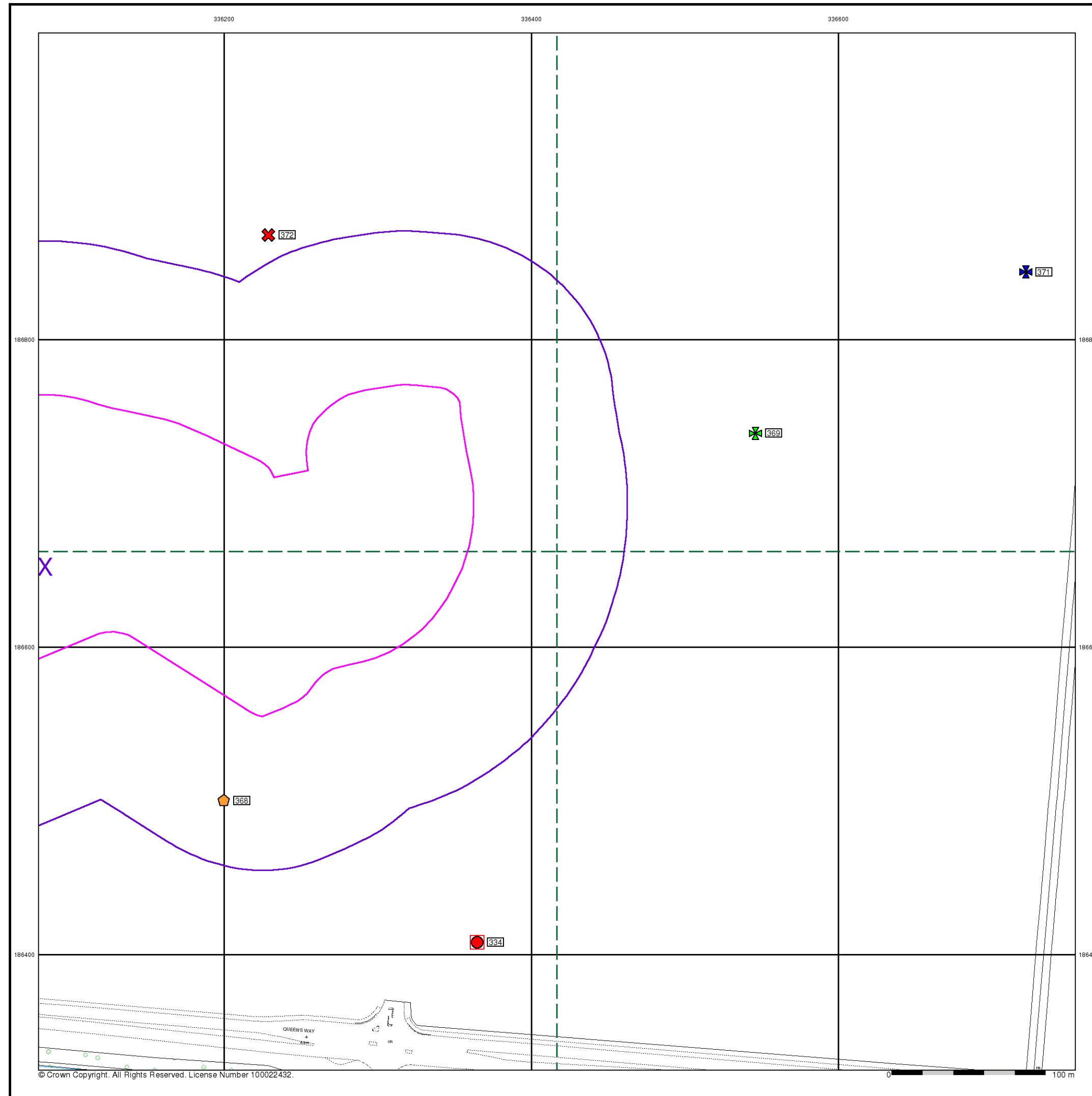


Order Details

Order Number: 304885831_1_1
Customer Ref: Llanwern 4c 4g 4e
National Grid Reference: 336080, 186650
Slice: A
Site Area (Ha): 8.34
Plot Buffer (m): 100

Site Details

Site at 336079,186662



General

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

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
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- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Waste

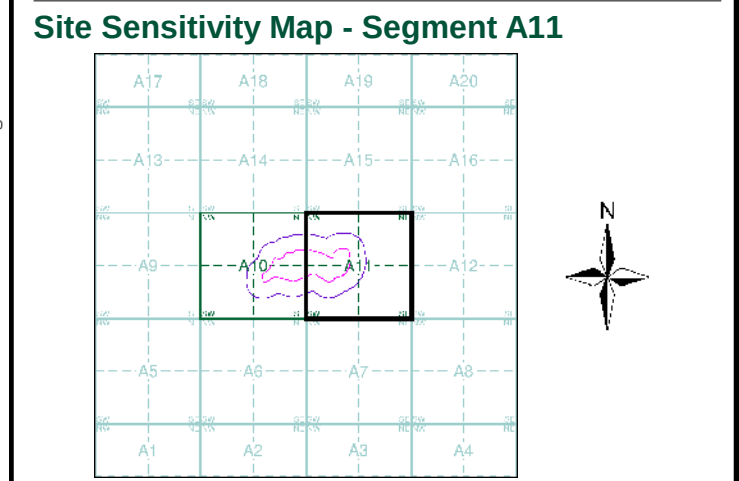
- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
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- 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
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Geological

- BGS Recorded Mineral Site

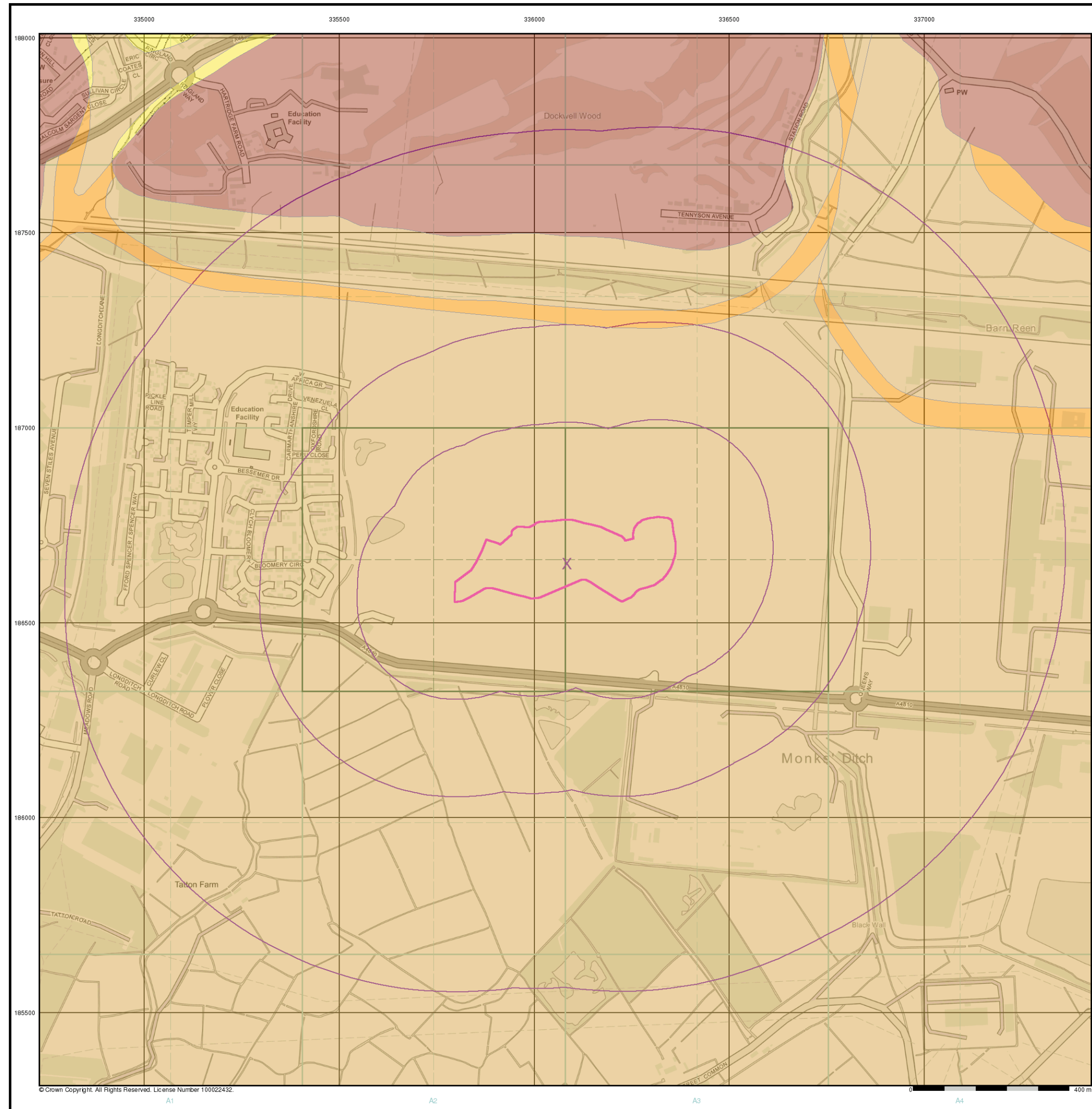


Order Details

Order Number: 304885831_1_1
Customer Ref: Llanwern 4c 4g 4e
National Grid Reference: 336080, 186650
Slice: A
Site Area (Ha): 8.34
Plot Buffer (m): 100

Site Details

Site at 336079,186662



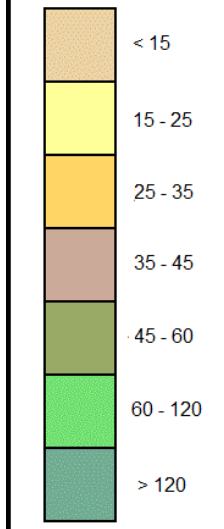
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General

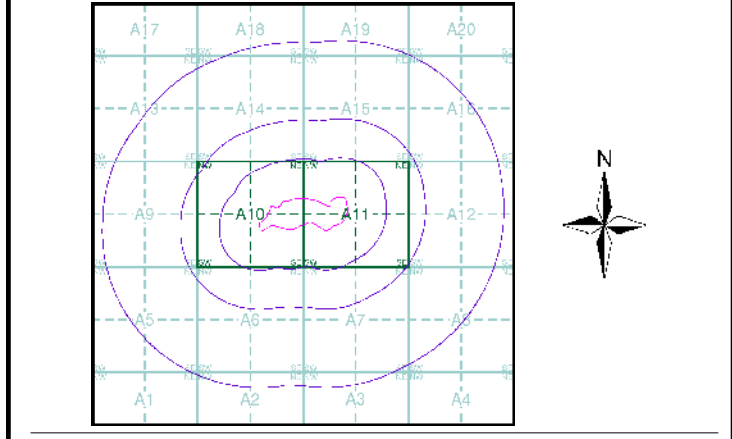
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A



Order Details

Order Details: 304885831_1_1
Customer Ref: Llanwern 4c 4g 4e
National Grid Reference: 336080, 186650
Slice: A
Site Area (Ha): 8.34
Search Buffer (m): 1000

Site Details

Site at 336079,186662