



# H5 Site Condition Report

CWL01 & 02 – Microsoft Ltd

PREPARED FOR



Microsoft Ltd

DATE

24.04.24

REFERENCE

0657169



## DOCUMENT DETAILS

DOCUMENT TITLE	H5 Site Condition Report
DOCUMENT SUBTITLE	CWL01 & 02 – Microsoft Ltd
PROJECT NUMBER	0657169
Date	24.04.24
Version	01
Author	MG, CC-J
Client name	Microsoft Ltd

## DOCUMENT HISTORY

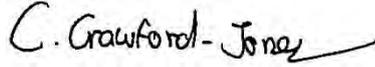
				ERM APPROVAL TO ISSUE		
VERSION	REVISION	AUTHOR	REVIEWED BY	NAME	DATE	COMMENTS
Version	000	MG	CC-J, AW	SB	24.04.24	

SIGNATURE PAGE

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CWL01 & 02 – Microsoft Ltd

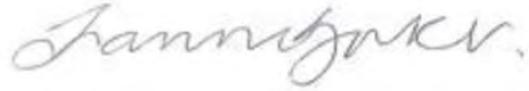
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**Ceri Crawford-Jones**

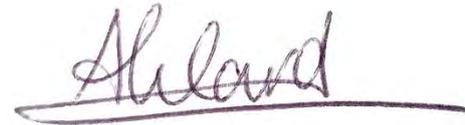
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## CONTENTS

1.	SITE DETAILS	1
1.1	INTRODUCTION	1
1.2	SITE DETAILS	2
1.2.1	Site Condition Report at Permit Application	2
2.	CONDITION OF THE LAND AT PERMIT ISSUE	3
2.1	ENVIRONMENTAL SETTING	4
2.1.1	Site Layout	4
2.1.2	Regional Geology, Hydrogeology and Hydrology	4
2.2	HISTORICAL LAND-USES AND ASSOCIATED CONTAMINANTS	6
2.2.1	Ambient Group UK Limited – Environment Management Report for EX-QRL Radiator Site (Newport) (February 2020).	7
2.2.2	Ambient Group UK Limited – Vendors Phase 1 Environmental Desk Study Summary Report, QRP Group, Imperial Park, Newport (March 2019).	8
2.2.3	GVA – Vendor Technical Due Diligence Report, (Quinn Radiators Site, Imperial Park, Newport) (March 2018).	8
2.2.4	GVA – Phase 1 Environmental Report (QRL Radiator Group, Imperial Park, Newport) (March 2018).	8
2.3	BASELINE SOIL AND GROUNDWATER DATA	8
2.3.1	Geotechnics Factual and Interpretative Report (PN214233 – REP004), July 2021	8
2.3.2	Geotechnics Factual and Interpretative Report (PN224395), February 2023	10
3.	PERMITTED ACTIVITIES	12
4.	CHANGES TO THE ACTIVITY	15
5.	MEASURES TAKEN TO PROTECT LAND	15
6.	POLLUTION INCIDENTS THAT MAY HAVE HAD AN IMPACT ON LAND, AND THEIR REMEDIATION	15
7.	SOIL, GAS AND WATER QUALITY MONITORING (WHERE UNDERTAKEN)	15
8.	DECOMMISSIONING AND REMOVAL OF POLLUTION RISK	15
9.	REFERENCE DATA AND REMEDIATION (WHERE RELEVANT)	16
10.	STATEMENT OF SITE CONDITION	16
ANNEX A	GEOTECHNICS PRELIMINARY RISK ASSESSMENT, NEWPORT QUINN SDD RPF, NEWPORT, WALES (PN214233), MAY 2021	
ANNEX B	GEOTECHNICS FACTUAL AND INTERPRETATIVE REPORT FOR PINNACLE ENGINEERING LIMITED. FORMER QUINN RADIATOR FACILITY SITE (PN214233 – REP004), JULY 2021	
ANNEX C	GEOTECHNICS FACTUAL AND INTERPRETATIVE REPORT FOR PINNACLE ENGINEERING. FORMER QUINN RADIATOR FACTORY SITE, NEWPORT, WALES (PN224395-REP004), FEBRUARY 2023	

## ANNEX D COLEMANS SOIL ANALYTICAL RESULTS, 24-008234

## LIST OF TABLES

TABLE 2-1: ENCOUNTERED GEOLOGY	4
TABLE 2-2: ANALYTICAL SUITES	8
TABLE 2-3: SUMMARY TABLE OF GROUNDWATER RESULTS (JUNE 2021)	10
TABLE 2-4: SUMMARY OF GROUNDWATER RESULTS (FEBRUARY 2023)	11

## LIST OF FIGURES

FIGURE 3.1: PROPOSED DEVELOPMENT LAYOUT	14
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## ACRONYMS AND ABBREVIATIONS

Acronyms	Description
ASR	Application Site Report
bgl	Below ground level
BGS	British Geological Survey
BTEX	Benzene, Toluene, Ethylbenzene and Xylene
CBR	Californian Bearing Ratio
CHST	Construction Health and Safety Technician
CIRIA	Construction Industry Research and Information Association
CoPC	Contaminants of Potential Concern
CPT	Cone Penetration Test
DWS	Drinking Water Standards
EQS	Environmental Quality Standard
ERM	Environmental Resources Management Ltd
FID	Final Investment Decision
GAC	Generic Assessment Criteria
GHG	Greenhouse Gas
NRW	Natural Resources Wales
PAHs	Polycyclic Aromatic Hydrocarbons
PID	Photoionisation Detector
SCR	Site Condition Report
SPT	Standard Penetration Test
SVOCs	Semi-Volatile Organic Compounds
TP	Trial Pit

<b>Acronyms</b>	<b>Description</b>
TPH	Total Petroleum Hydrocarbons
UXB	Unexploded Bomb
UXO	Unexploded Ordnance
VOCs	Volatile Organic Compounds

# 1. SITE DETAILS

## 1.1 INTRODUCTION

The Proposed Development is a Data Centre development on the site of the former Quinn Radiator Manufacturing Plant at Duffryn Lane, Coedkernew Newport for Microsoft Data Center operations. The site covers an area of approximately 16.8 hectares, with the centre situated at approximately National Grid Reference 327895 ,183968. The nearest post code is NP10 8BE.

The Site is currently occupied by a large industrial building; and a number of support buildings for storage, technical functions, and office (approximate area 76,000 m<sup>2</sup>). Five units are currently for the uses of B2 (General Industrial) and B8 (Storage and Distribution), with an office space ancillary to the factory which is established as a B1 (Business) use. The existing site has a range of elevations up to a maximum of 11.43 m ridge height and incorporates the provision for 336 car parking spaces across three car parks with an additional lorry parking area. The Site also benefits from fences around its boundary and two security gates at its accesses. The Site has an existing 24-hour security team in place monitoring the site and restricting unauthorised access. Portions of the Site are in a state of disrepair due to lack of maintenance and depreciation of construction materials.

For the proposed scheme, the existing structures will be demolished and two Data Centers, along with support structures for daily operations, will be built in its place (approximate area 38,000 m<sup>2</sup>). In addition to a reduction in built surface area, the proposed scheme also includes a reduction in impermeable paved areas, and the inclusion of additional storm water retention.

This Site Condition Report (SCR) has been prepared with reference to the guidance provided by Natural Resources Wales (NRW) in the May 2013 document 'Site Condition Report – Guidance and Templates Version 3'<sup>1</sup>. The layout of this report is consistent with that suggested in the site condition report guidance template.

The layout of this report is as follows:

- Section 1 – Site details;
- Section 2 – Condition of the land at permit issue;
- Section 3 – Permitted activities;
- Section 4 – Changes to the activity;
- Section 5 – Measures taken to protect the land;
- Section 6 – Pollution incidents that may have had an impact on land and their remediation;
- Section 7 – Soil, gas and water quality monitoring;
- Section 8 – Decommissioning and removal of pollution risk;
- Section 9 – Reference data and remediation; and
- Section 10 – Statement of site condition.

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<sup>1</sup> Natural Resources Wales Environmental Permitting Regulations H5 Site Condition Report (SCR) guide for applicants v5.0, October 2014

## 1.2 SITE DETAILS

Site Details	
Name of the applicant	Microsoft Limited
Activity address	Imperial Business Park, Celtic Way, Duffryn, Newport, NP10 8BE.  The site is located on the former Quinn Radiator facility and is currently a disused factory building (and a number of supporting buildings for storage, technical functions and office areas) which will be demolished as part of the proposed development.
National grid reference	National Grid Reference <b>327895, 183968</b>  Latitude, Longitude (decimal) <b>51.551208, -3.041407</b>
Document reference and dates for Site Condition Report at permit application and surrender	At application - See details in Section 1.2.1 below.
Document references for site plans (including location and boundaries)	See details in Section 1.2.1 below. Site plan is located in the permit application Supporting Information Document.

### 1.2.1 SITE CONDITION REPORT AT PERMIT APPLICATION

This document acts as the Application Site Report (ASR) which has been prepared at the time of permit application in 2024. This report will be used as the baseline report prior to construction of the new facility.

When the time of permit surrender arises a follow up Site Condition Report (SCR) will be produced and submitted for review.

This ASR and subsequent permit application will be submitted to Natural Resources Wales (NRW) for review and approval along with the permit application.

## 2. CONDITION OF THE LAND AT PERMIT ISSUE

Condition of the land at permit issue	
<p>Environmental setting including:</p> <p>Article I.                    geology Article II.                    hydrogeology Article III.                    surface waters</p>	<p>As noted in <b>Section 1.2.1</b> this is the Application Site Report (ASR) which has been prepared for the current permit application in 2023. This includes details of the site environmental setting.</p> <p>Details are summarised in <b>Section 2.1</b>.</p>
<p>Pollution history including:</p> <ol style="list-style-type: none"> <li>1. pollution incidents that may have affected land</li> <li>2. historical land-uses and associated contaminants</li> <li>3. any visual/olfactory evidence of existing contamination</li> <li>4. evidence of damage to pollution prevention measures</li> </ol>	<p>Pollution incidents and historic land uses for the area were reviewed in 2021 during the Geotechnics Preliminary Risk Assessment report (Annex A).</p> <p>Details are summarised in <b>Section 2.2</b>.</p> <p>Geotechnics have undertaken ground quality investigations in 2021 and 2023, where visual and olfactory evidence of contamination was not reported/observed.</p>
<p>Evidence of historic contamination, for example, historical site investigation, assessment, remediation and verification reports (where available)</p>	<p>Geotechnics have undertaken a Preliminary Risk Assessment review and completed two intrusive Site Investigations in support of this Application Site Report (ASR) and permit application.</p> <p>Details are summarised in <b>Section 2.2</b>.</p>
<p>Baseline soil and groundwater reference data</p>	<p>Soil and groundwater quality have since been assessed as part of the Geotechnics investigations in 2021 and 2023 as part of this ASR. The site investigations reports can be found in Annex B and Annex C.</p> <p>Further details of this are given in <b>Section 2.3 (Reference data and remediation)</b> below.</p>

## 2.1 ENVIRONMENTAL SETTING

### 2.1.1 SITE LAYOUT

The Site consists of a parcel of land approximately 16.8 hectares (Ha) and is located approximately 4 km southwest of Newport City Centre, United Kingdom (UK).

### 2.1.2 REGIONAL GEOLOGY, HYDROGEOLOGY AND HYDROLOGY

Previous investigations of the Site by Geotechnics include a "Preliminary Risk Assessment" (Report Reference PN214233 dated May 2021) and an "Initial Phase Ground Investigation" included within the "Factual and Interpretive Report" (Report Reference PN214233 dated September 2021). Both reports have been used in conjunction with the latest Geotechnics "Factual and Interpretive Report" (Report Reference PN224395 dated February 2023).

#### 2.1.2.1 GEOLOGY

Published geological maps indicate that most of the Site is underlain by Quaternary River Terrace Deposits comprised of sand and gravel. Alluvium deposits comprised of clay, silt, sand and gravel are recorded within a small area in the western portion of the Site. According to the Geotechnics "Factual and Interpretive Report" (Reference PN224395), Made Ground associated with the existing Site development, is expected above the superficial deposits.

Bedrock geology at the Site is indicated to be the Devonian St. Maughan's Formation comprising mudstone, sandstone and conglomerates. The south-eastern corner of the Site is shown to be underlain by Mercia Mudstone deposits comprising mudstone and siltstone.

An initial phase investigation was undertaken by Geotechnics in September 2021 with a supplementary geotechnical and environmental ground investigation in February 2023. The February 2023 investigation comprised of thirty cable percussion boreholes, ten rotary cored boreholes and seventeen in-situ plate load tests. Gas and groundwater monitoring followed the installation of the wells.

The investigation report indicated the presence of the following stratum across the Site shown in Table 2-1:

**TABLE 2-1: ENCOUNTERED GEOLOGY**

<b>Stratum Description</b>	<b>Depths encountered, metres below ground level (m bgl)</b>
Topsoil	0.15
Made Ground – Concrete	0.15 to 0.45
Made Ground – Asphalt	0.02 to 0.25
Made Ground	0.20 to 2.85
Alluvium	1.50 to 6.40

<b>Stratum Description</b>	<b>Depths encountered, metres below ground level (m bgl)</b>
River Terrace Deposits - Cohesive	0.24 to 4.00
River Terrace Deposits – Granular	0.40 to 4.40
St. Maughan’s Formation - Upper Clay Layer	1.40 to 4.73
St. Maughan’s Formation – Mudstone/Siltstone	17.20

Made Ground was encountered within all exploratory locations which is described as containing ash, clinker, slag, brick fragments, concrete, thermolite insulation, wood fragments, occasional metal fragments and steel reinforced bars. Exploratory locations BH04, BH14, and BH17 were terminated due to the presence of probable concrete obstructions at 1.2 m, 1.54 m and 1.70 m bgl.

Alluvium was encountered beneath the Made Ground in BH09, BH17A and BH26 at depths between 1.20 m and 3.00 m bgl. Thickness varied between 1.50 m and 6.40 m. The Alluvium deposits are generally located within a strip of land in the western third trending north to south. The presence of Alluvium is consistent with the published geological maps.

River Terrace Deposits were encountered within the majority of boreholes below the Made Ground are recorded as both cohesive and granular soils. The cohesive soils (0.10 m to 4.40 m thick) were typically located between 0.36 m and 3.00 m bgl within locations along the northern and northeastern portion of the Site. The granular soils were typically located within the southern, southeastern and western portion of the Site. Typical depths of material encountered ranged from 0.30 m to 3.00 m bgl with thickness varying between 0.40 m and 4.40 m.

St. Maughan’s Formation (Upper Clay Layer) was encountered below the superficial deposits between 2.30 m and 7.60 m bgl with thickness ranging from 1.40 m to 4.73 m. The elevation of the surface of this formation is typically lower in the northwest to southeast.

St. Maughan’s Formation comprising mudstone, siltstone and sandstone was encountered at depths of between 3.70 m and 8.00 m bgl. The initial ground investigation completed by Geotechnics encountered bedrock at 9.40 m bgl in borehole BH109. The maximum depth proven across the Site was 21.00 m bgl (BH28).

Mercia Mudstone was not encountered during these works.

### 2.1.2.2 HYDROGEOLOGY

According to the BGS Geindex, the superficial and bedrock deposits underlying the Site are classified as a Secondary A Aquifers. Secondary A Aquifers are permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers.

A small area in the southeast corner of the Site is classified as a Secondary B Aquifer relating to the Mercia Mudstone. Secondary B Aquifers are described as mainly lower permeability layers that may store and yield limited amounts of groundwater through characteristics like thin cracks (called fissures) and openings or eroded layers.

During the 2021 investigation, perched water was encountered within Made Ground at 0.90 m bgl rising to 0.55 m bgl (BH105) with groundwater encountered at 2.20 m bgl. Groundwater was encountered within the River Terrace Deposits in boreholes BH103 and BH102 at 2.63 m bgl rising to 2.00 m bgl and at 5.60 m bgl with no rise. Groundwater was encountered within the bedrock in one borehole (BH104) at 9.00 m bgl rising to 4.53 m bgl. Groundwater monitoring was undertaken and reported groundwater depths between 0.71 m bgl and 3.00 m bgl.

During groundwater monitoring in February 2023, groundwater depths were recorded between 1.13 m bgl and 4.69 m bgl. The monitoring report findings suggests that the shallow groundwater encountered within several boreholes may represent perched water within the Made Ground.

Groundwater flow is estimated to the west, towards the Nant-Y-Moor Reen, located 3 m west of the Site. It is important to note that groundwater flow direction can be influenced locally and regionally by surface topography, recharge and discharge areas and horizontal and vertical inconsistencies in the types and location of subsurface soils.

### 2.1.2.3 HYDROLOGY

The Nant-Y-Moor Reen, located 3m to the west, is the closest named surface water to the Site. However, there are several unnamed ponded areas indicated to the northeast, southeast and south of the Site. Two ponds are located adjacent to the southern site boundary which may be slightly encroaching across the southern Site boundary.

### 2.1.2.4 GAS CHARACTERISATION

A gas characterisation was completed for the Site using the gas monitoring data collected in February 2023. Using the peak carbon dioxide/ methane and the peak flow rates across the monitoring locations, the Site is classified as a Characteristic Situation 3. According to CIRIA document C665, a Characteristic Situation 3 classification is indicative of a moderate risk Site with a gas screening level threshold of <3.5 l/hr.

## 2.2 HISTORICAL LAND-USES AND ASSOCIATED CONTAMINANTS

Two entries for Pollution Incidents to Controlled Waters were provided in relation to Quinn Radiators Limited (Pinnacle Supplied Information). The entries are listed below:

- The first entry references a warning letter from the Environment Agency (dated 16th November 2007) indicating that an offence had been committed under the provisions of s85 of the Water Resources Act 1991 (WRA). No action was taken (Pinnacle Supplied Information).
- A second entry (dated 25th January 2010) was a second letter from the Environment Agency indicating that an offence had been committed under the provisions of s85 of the Water Resources Act (1991). No action was taken (Pinnacle Supplied Information).

- Potential on-Site sources of contamination were identified within the Geotechnics **‘Preliminary Risk Assessment’ conceptual model and are summarised as follows:**
  - Potential petroleum hydrocarbons in service trenches in Factory Area 1.
  - Potential spillages/leakage of paint/primer from above ground tanks.
  - Localised storage of lubricants and other chemicals.
  - Leakage of volatile organic compounds (VOCs) previously used in the manufacturing/finishing of radiators.
- No records of elevated PID readings or the presence of odours or staining suggestive of contamination were documented within borehole logs from either the investigation reports from 2021 or 2023.

Four previous Site reports have been provided by Pinnacle and are included as part of the Geotechnics Preliminary Risk Assessment Report (May 2021). These are summarised below.

### 2.2.1 AMBIENT GROUP UK LIMITED – ENVIRONMENT MANAGEMENT REPORT FOR EX-QRL RADIATOR SITE (NEWPORT) (FEBRUARY 2020).

The report was commissioned to evaluate environmental liabilities which may transfer to the landlord following closure and demolition of the former QRL Radiator Site. The following findings were concluded at the time of the inspection (photos available in Annex A of the Preliminary Risk Assessment report):

- Possible petroleum hydrocarbons were observed in drainage runs in the former manufacturing area.
- Residual degreasing agents (40,000 litres) had been discharged to the foul sewer under a discharge consent at the time of inspection.
- Twenty 11 kV transformers were present on Site. No PCB analysis was undertaken prior to disposal.
- No current/former underground storage tanks were present on Site.
- Two above ground diesel tanks (unknown volume) were present. Both tanks were recorded as bunded with no signs of spillages or leaks observed.
- Three above ground 30,000 litre paint tanks were recorded along the northern boundary. No signs of spillages or leaks observed.
- Several 1,000 litre bunds (unknown use) have been observed. The bunds were observed as containing water and some associated petroleum hydrocarbon (no further information available).
- Significant ground staining observed in the vicinity of the former manufacturing machines and air compressors.
- Solidified paint was observed beneath the paint plant tanks on Site.
- No ground gas protection measures appear to be in place.

### 2.2.2 AMBIENT GROUP UK LIMITED – VENDORS PHASE 1 ENVIRONMENTAL DESK STUDY SUMMARY REPORT, QRP GROUP, IMPERIAL PARK, NEWPORT (MARCH 2019).

The Vendors Phase 1 Environmental Desk Study report comprises a review of historical Ordnance Survey maps, publicly available environmental data and review of previous reports. The report assesses the risk to the ongoing operations at the Site as low to medium.

### 2.2.3 GVA – VENDOR TECHNICAL DUE DILIGENCE REPORT, (QUINN RADIATORS SITE, IMPERIAL PARK, NEWPORT) (MARCH 2018).

The Vendor Technical Due Diligence Report comprises a due diligence assessment based on visual inspection of the Site and the identification of environmental and structural liabilities. The findings of the report are summarised as follows:

- Concrete floors are largely in good condition with isolated cracking throughout the facility.
- Any surface oil/water separators were unable to be inspected.

### 2.2.4 GVA – PHASE 1 ENVIRONMENTAL REPORT (QRL RADIATOR GROUP, IMPERIAL PARK, NEWPORT) (MARCH 2018).

The Phase 1 Environmental Report is comprised of a review of historical Ordnance Survey maps, publicly available environmental data, and a review of previous reports. The report concluded that the risks relating to potential environmental and geotechnical issues are assessed as low. However, due to the presence of oil/water separators and the potential risk of discharge of chemicals/oils into surface water receptors, the risks are considered low/medium.

## 2.3 BASELINE SOIL AND GROUNDWATER DATA

### 2.3.1 GEOTECHNICS FACTUAL AND INTERPRETATIVE REPORT (PN214233 – REP004), JULY 2021

The scope of works included five cable percussion boreholes with rotary follow on to a maximum depth of 15 m bgl and ten dynamic windowless sample boreholes to a maximum depth of 4.45 m bgl. The investigation focused on two areas of the Site, referred to as Zone 1 and Zone 2. Zone 1 consists of the southwest area and Zone 2 covers the remainder of the Site. A selection of boreholes were installed to monitor gas and groundwater beneath the Site.

During this investigation, no visual or olfactory evidence of contamination was observed.

Soil, Solid Waste, Eluates and Groundwater samples were analysed for the following shown in Table 2-2:

TABLE 2-2: ANALYTICAL SUITES

Soil	Solid Waste	Eluates	Groundwater
Metals (As, Ba, Bo, Be, Cd, Cr (III), Cr (VI), Cu, Pb, Hg, Ni, Se, Vn, Zn)	Acid Neutralising Capacity (ANC)	Metals (An, As, Ba, Cd, Cr, Cu, Pb, Hg, Mo, Ni, Se, Zn)	Metals (As, Ba, Bo, Be, Ca, Cd, Cr (III), Cr (VI), Cu, Pb, Hg, Mn, Ni, Se, Vn, Zn)
Ammonia (NH <sup>4</sup> )	Loss on Ignition	Phenol	pH

Soil	Solid Waste	Eluates	Groundwater
Chloride	Total Organic Carbon	Sulphate as SO <sub>4</sub>	Dissolved Organic Carbon
Cyanide	Mineral Oils	Chloride	PAHs
Fluoride	BTEX (Total)	Fluoride	Phenols (Monohydric)
pH	PAH (Total)	Total Dissolved Solids	TPH CWG
Sulphate	PCBs	Dissolved Organic Carbon	
Sulphur	pH		
Organic Carbon			
Phenols (Monohydric)			
Polycyclic aromatic hydrocarbons (PAHs)			
Polychlorinated Biphenyl (PCBs)			
Total Petroleum Hydrocarbons (TPH CWG)			
Seni-Volatile Organic Compounds (SVOCs)			
Volatile Organic Compounds (VOCs)			
Asbestos Screen			

### 2.3.1.1 ZONE 1

Following the observation of potential petroleum hydrocarbons in drainage/service trenches, several borehole locations were situated in the area (BH110, BH102, BH111, BH109 and BH103).

ERM compared the results from the laboratory analysis against a generic assessment criteria (GAC). No heavy metals exceedances were recorded within Zone 1 except for Chromium (hexavalent) which exceeded the commercial soils GAC (35 mg/kg) in three locations (BH102, BH111 and BH103) with a maximum concentration reported at 80.19 mg/kg (BH102). The report suggests that these high concentrations may be due to observed presence of slag, buffering pH in some Made Ground deposits.

No GAC exceedances were recorded for organics, inorganics, or Total Petroleum Hydrocarbons (TPH) in Zone 1.

### 2.3.1.2 ZONE 2

No GAC exceedances of heavy metals, organics, inorganics or TPH were recorded in Zone 2.

The Geotechnics Ground Investigation (2021) reported a several EQS exceedances within the groundwater within groundwater in the Made Ground and Natural ground samples. Table 2-3 shows the maximum concentrations recorded:

**TABLE 2-3: SUMMARY TABLE OF GROUNDWATER RESULTS (JUNE 2021)**

<b>Contaminant</b>	<b>Maximum Concentration (µg/l)</b>	<b>EQS Value (µg/l)</b>	<b>Geological Stratum</b>	<b>Location ID</b>
Copper	3.2	1	Made Ground	BH110
Copper	3.2	1	Natural	BH105
Manganese	3000	123	Made Ground	BH109
Manganese	1300	123	Natural	BH105
Mercury	0.34	0.07	Made Ground	BH110
Nickel	7.4	4	Made Ground	BH109
Nickel	7.2	4	Natural	BH101
Selenium	15	10 (Drinking Water Standard)	Made Ground	BH109
Selenium	12	10 (Drinking Water Standard)	Natural	BH102
Fluoranthene	0.06	0.0063	Made Ground	BH110
Fluoranthene	0.01	0.0063	Natural	BH105
Benzo(b)fluorant hene	0.04	0.00017	Made Grond	BH109/BH103
Benzo(a)pyrene	0.01	0.00017	Made Ground	BH109
Aliphatic >C21 – C34	24	10	Natural	BH101

### 2.3.2 GEOTECHNICS FACTUAL AND INTERPRETATIVE REPORT (PN224395), FEBRUARY 2023

The scope of works comprised 30 cable percussion boreholes to a maximum depth of 11.4 m bgl with ten of these being extended by rotary follow on to a maximum depth of 21 m bgl. A total of fourteen gas/groundwater monitoring installations were completed across the Site. Seventeen plate load tests were also completed as part of this investigation.

The investigation reported in February 2023 did not report any exceedances in the soil samples collected. The soil analysis in the 2023 report was directed following the findings of the previous "Initial Phase Ground Investigation" carried out by Geotechnics in 2021.

During this investigation, no visual or olfactory evidence of contamination was observed.

The investigation in 2023 reported exceedances of the EQS freshwater values for the following analytes, shown in Table 2-4:

**TABLE 2-4: SUMMARY OF GROUNDWATER RESULTS (FEBRUARY 2023)**

<b>Contaminant</b>	<b>Maximum Concentration (µg/l)</b>	<b>EQS Value (µg/l)</b>	<b>Location ID</b>
Barium (Dissolved)	900	114.7	BH09
Boron (Dissolved)	2100	2000	BH25
Copper (Dissolved)	3.4	1	BH23
Lead (Dissolved)	1.6	1.2	BH17
Nickel (Dissolved)	11	4	BH09
Selenium (Dissolved)	13	10	BH10
Zinc (Dissolved)	36	10.9	BH09
Fluoranthene	0.18	0.0063	BH09
Pyrene	0.14	0.025	BH17
Benzo(a)anthracene	0.07	0.018	BH09
Benzo(b)fluoranthene	0.05	0.00017	BH09
Benzo(k)fluoranthene	0.02	0.00017	BH09
Benzo(a)pyrene	0.04	0.00017	BH09
Indeno(1,2,3-c,d)pyrene	0.03	0.00017	BH09
Benzo(g,h,i)perylene	0.02	0.00017	BH09/BH10/BH17

### 3. PERMITTED ACTIVITIES

<b>Permitted Activities</b>	
Permitted activities	<p><b>The "Preliminary Risk Assessment" Report produced by Geotechnics (2021, see Annex A) provided information of the following data entries recorded on Site:</b></p> <ul style="list-style-type: none"> <li>• One Discharge Consent to the foul public sewer was issued on the 7<sup>th</sup> September 2006 to Quinn Radiators Limited in relation to run-off from a vehicle wash facility (Pinnacle Supplied Information).</li> <li>• The Site does not have any groundwater or surface water abstractions.</li> <li>• Six registered Integrated Pollution Control (IPC) Authorisations are located on Site, however two have had authorisation revoked, four have been superseded by a variation, and one has met the requirement for authorization but has not yet been authorised. These relate to LG Phillips Displays Wales Limited for processes involving halogens, inorganic chemical processes within the chemical industry and minor variations relating to the above.</li> <li>• One Local Authority Pollution Prevention and Control permit is located on Site, registered to Quinn Radiators Limited for coating of metal and plastic. An off-site permit (226 m north) is also registered to Quinn Radiators Limited for Powder coating. Information provided by Pinnacle Consulting Engineers Limited indicates that the powder coating process used primer (comprising pigment, resin (unknown composition), de-mineralised water, mime amine and butyl-cellosolve) via a dip tank followed by powder coating and final painting.</li> <li>• One active Control of Major Accident site (COMAH) Lower tier for LG Electronics Wales Limited is located on Site.</li> <li>• Four recorded entries on Site are recorded relating to QRL Radiators Limited and LG Electronics.</li> <li>• No Registered Radioactive Substance sites, Explosive sites, or Notifications of Installations Handling Hazardous Substances (NIHHS) are located within 250 m of the Site.</li> <li>• No landfills or other waste site entries are recorded within 250 m of the Site.</li> </ul> <p><b>No fuel stations are located within 250 m of the Site.</b></p>
Non-permitted activities undertaken	<b>Not applicable at time of application.</b>





## 4. CHANGES TO THE ACTIVITY

<b>Changes to the activity</b>	
Have there been any changes to the activity boundary?	Not applicable at this stage.
Have there been any changes to the permitted activities?	Not applicable at this stage.
Have any 'dangerous substances' not identified in the Application Site Condition Report been used or produced as a result of the permitted activities?	Not applicable at this stage.

## 5. MEASURES TAKEN TO PROTECT LAND

<b>Measures taken to protect land</b>
<p>Pollution prevention measures to be submitted with the permit application.</p> <p>These measures will need to take into account the need to protect the land during the lifetime of the Permit.</p>

## 6. POLLUTION INCIDENTS THAT MAY HAVE HAD AN IMPACT ON LAND, AND THEIR REMEDIATION

<b>Pollution incidents that may have had an impact on land, and their remediation</b>
<p>This is not applicable at this stage.</p> <p>This section should be completed during the operation of the facility.</p>

## 7. SOIL, GAS AND WATER QUALITY MONITORING (WHERE UNDERTAKEN)

<b>Soil, gas and water quality monitoring (where undertaken)</b>
<p>This is not applicable at this stage.</p> <p>This section should be completed during the operation of the facility.</p>

## 8. DECOMMISSIONING AND REMOVAL OF POLLUTION RISK

<b>Decommissioning and removal of pollution risk</b>
Not applicable at this stage

## 9. REFERENCE DATA AND REMEDIATION (WHERE RELEVANT)

### Reference data and remediation (where relevant)

To confirm the pre-application current condition of the land (soil and groundwater) prior to development, environmental (soil and groundwater) site investigation and risk assessment were undertaken by Geotechnics in 2021.

The site investigation report is presented in **Annex B and Annex C**.

During the demolition works undertaken by Colemans, a total of eight soil samples were collected and sent for laboratory analysis at i2 Analytical. Samples were analysed for asbestos, general inorganics (pH, moisture content, water soluble sulphate, total organic carbon (TOC) and loss on ignition), phenols, polycyclic aromatic hydrocarbons (PAH), total petroleum hydrocarbons (TPH), heavy metals, and volatile organic compounds (VOCs).

The results were compared against ERM's Generic Assessment Criteria (GAC) with no exceedances reported for commercial end use. Asbestos fibres were identified within two samples, with further quantification undertaken confirming Chrysotile loose fibres with total percentage of asbestos within the sample being recorded as <0.001 and 0.003%. As the development is likely to be covered in hard standing the risk to human health from the asbestos fibres is low. These results can be seen in Annex D.

When the permit is due to be surrendered the information provided within the Site Investigation Report should be used to assess the site conditions following the development and industrial use of the Site.

---

## 10. STATEMENT OF SITE CONDITION

### Statement of site condition

Not applicable at this stage.

The statement of the site condition shall be updated at permit surrender.

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ANNEX A

GEOTECHNICS PRELIMINARY RISK  
ASSESSMENT, NEWPORT QUINN SDD  
RPF, NEWPORT, WALES (PN214233),  
MAY 2021

Preliminary Risk  
Assessment

Newport Quinn SDD RPF,  
Newport, Wales



GEOTECHNICS

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Any plans, diagrams, cross sections or images are for illustrative purposes only and should be checked for accuracy on-site. In the event of changes to the proposed end use of the Site, the report may require updating to reflect such changes. Although reference may be made to archaeological or ecological issues, invasive species, flood risk and the presence of asbestos containing materials (ACMs), this report does not constitute an archaeological assessment, ecological assessment, invasive species survey, flood risk assessment or asbestos survey.

We have prepared this report in our professional capacity using reasonable skill, care and diligence. The assessments, conclusions and recommendations within this report pertain to the study site defined herein, and the immediate area in continuity with the Site. They are based on the established historical uses, and information available at the time of writing and the proposed use of the Site. Where any information supplied by the client or other sources have been utilised, it has been assumed that the information is correct. No responsibility can be accepted by Geotechnics for inaccuracies in data supplied by any other party.

New information relating to environmental matters can come to light after the report has been prepared and changes in conditions and regulatory requirements may occur in future. Either of those factors may change the conclusions presented in our report. If development does not take place within the expected timescales, consideration should be given to reviewing this assessment to confirm that no changes to the site or relevant legislation have taken place. No part of this report is intended to provide legal advice or opinion of any nature.

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<b>Geotechnics Office</b>					
Chester					
<b>Project Title</b>			<b>Geotechnics Project Number</b>		
Newport Quinn SDD RFP			PN214233		
<b>Client</b>			<b>Client Project Number</b>		
Pinnacle Consulting Engineers					
<b>Report Status</b>			<b>Report Issue Date</b>		
DRAFT			21/05/2021		
<b>Revision History</b>					
Date	Author	Description	Issue No.	Rev. No.	Authoriser
<b>Distribution</b>					
Issue No.	Rev. No.	Organisation	Format		
1	0	Pinnacle Consulting Engineers	PDF		
<b>Signatures</b>					
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## CONTENTS

CONFIDENTIALITY AND LIMITATIONS .....	1
DOCUMENT CONTROL .....	2
CONTENTS.....	3
APPENDICES .....	5
1. INTRODUCTION AND CLIENT’S BRIEF.....	6
2. THE SITE.....	8
Site Location.....	8
Site Description .....	8
3. SITE HISTORY .....	10
Summary of Site History .....	10
On Site .....	10
Surrounding Area .....	11
4. GEOLOGY.....	11
Published Geology .....	11
Geological Features.....	12
Radon .....	12
Coal .....	12
Brine.....	12
Hydrology.....	13
Hydrogeology.....	14
5. ENVIRONMENTAL DATA.....	15
6. PREVIOUS REPORTS / INVESTIGATIONS.....	18
7. POTENTIAL CONTAMINANT LINKAGES & PRELIMINARY CONCEPTUAL SITE MODEL .....	20
Hazards Identified with the Proposed Development .....	20
Potential Sources of Contamination .....	20
Potential On-site Sources of Contamination .....	20
Potential Off-site Sources of Contamination .....	20
Potential Receptors of Contamination .....	20
Identification of Pathways .....	21
Pathways to Human Health .....	21
Ground Gas and Vapour related Pathways.....	21
Pathways to Controlled Waters .....	21
Other Pathways.....	21

Initial Conceptual Site Model.....	22
Potential Contaminant Linkages Assessment .....	23
Geotechnical Hazards Associated with the Development.....	25
8. CONCLUSION & RECOMMENDATIONS .....	27
Environmental Risk Assessment .....	27
Geotechnical Risk Assessment.....	27
Recommendations for Further Works and Proposed Investigation Strategy.....	27
9. REFERENCES.....	30
10. APPENDICES .....	31
Appendix A.....	32
Appendix B .....	36
Appendix C .....	37
Appendix D.....	42

## APPENDICES

APPENDIX A: Site walkover photos.

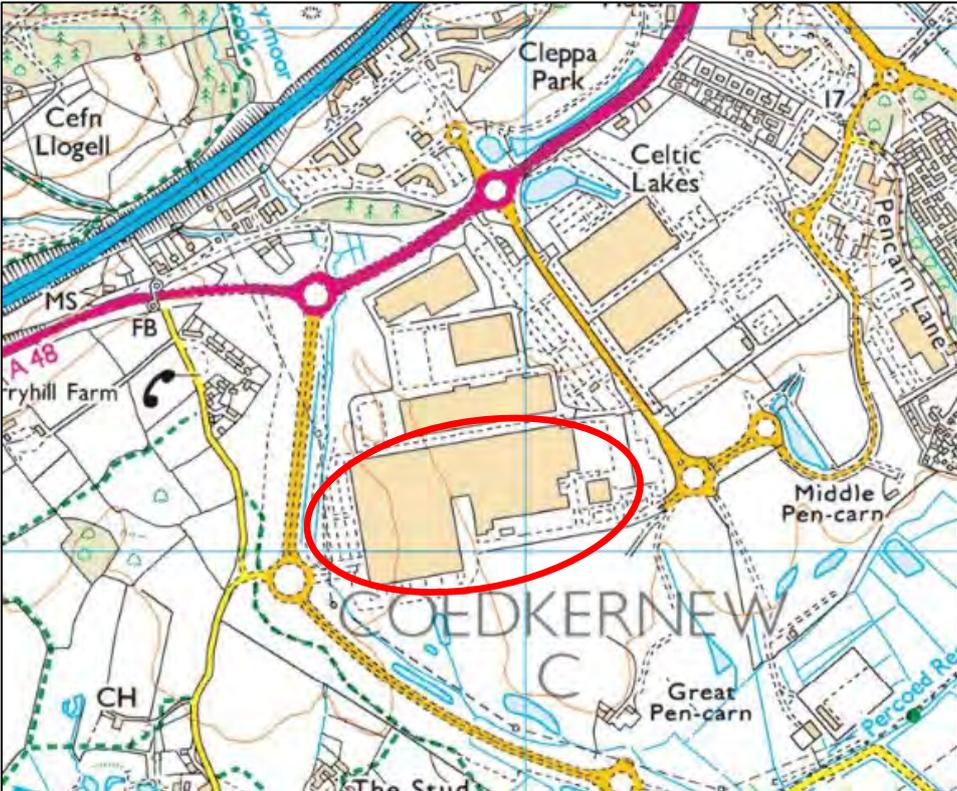
APPENDIX B: Envirocheck Report & Historical Mapping

APPENDIX C: Contaminated Land Risk Assessment Methodology

APPENDIX D: Pinnacle Supplied Information

# 1. INTRODUCTION AND CLIENT'S BRIEF

This Preliminary Risk Assessment (Phase I Desk Study) was carried out to the instruction of Pinnacle Consulting Engineers, the Client. The purpose of the report is to provide a Preliminary Site Investigation including a geotechnical and geoenvironmental assessment for the proposed redevelopment of the site as a data centre comprising several two storey server warehouses with associated infrastructure and substation. A summary of the location of the site is shown below:

Site Location	Description
 <p data-bbox="108 1467 901 1503">Site Location. Used with permission under Licence: 100022432</p>	<p data-bbox="1098 629 1492 741">The proposed development of the site is understood to comprise:</p> <ul data-bbox="1114 786 1492 1473" style="list-style-type: none"> <li>• Demolition of existing structures and removal of demolition wastes from site;</li> <li>• Construction of data centre facility comprising a number of two storey server storage warehouses and ancillary structures including a substation; and</li> <li>• the removal from site or the treatment of any contaminated material encountered during demolition.</li> </ul>

This report is designed to comply with the requirements of The National Planning Policy Framework (NPPF, 2019) and is intended to be used by the developer to assess any potential significant contaminant linkages that may require further investigation and to aid in discharging any planning conditions associated with the planning application.

This report has been devised to generally comply with the relevant principles and requirements of a range of guidance including:

- Part IIA of the Environment Protection Act, 1990;
- Contaminated Land (Wales) (Amendment) Regulations 2012 and Contaminated Land Statutory Guidance (Welsh Government, April 2012);
- Planning Policy Wales (Ed 11, February 2021);
- BS5930:2015+A1:2020: "Code of Practice for Ground Investigations";
- BS10175: 2011 +A2:2017 "Investigation of Potentially Contaminated Sites - Code of Practice";
- The Building Regulations 2010. Part C (Welsh Government 2017);
- Environment Agency (2021) "Land Contamination Risk Management";
- Environment Agency (2011) Report GPLC1 "Guiding Principles for Land Contamination";
- Environment Agency (2017) "The Environment Agency's Approach to Groundwater Protection" November 2017 Version 1.1; and
- Sustainable Remediation Forum UK (SuRF) Framework.

## 2. THE SITE

### Site Location

A Site Location Plan can be found in Appendix A and the site location is summarised in the table below.

<b>Location</b>	Former radiator manufacturing facility located at Celtic Lakes, Celtic Way Newport, Wales
<b>Grid Reference</b>	327930, 184100
<b>Post Code</b>	NP10 8BE
<b>Site Area</b>	Approximately 16.79 Ha
<b>Site Shape</b>	The site has maximum plan dimensions of approximately 698m by 300m and is approximately rectangular in shape.
<b>Topography</b>	The site lies at an elevation of approximately 10mOD. The site slopes down from the north west to the south east by approximately 4m.

### Site Description

A site visit was undertaken on 17<sup>th</sup> May 2021. A summary of observations made is presented in the table below and photographs are presented in Appendix A.

<b>Current Use:</b>	The site is currently only in use in the north eastern corner of the site by Downton Distributions (see Appendix A).
<b>Access</b>	Access is off third exit of the roundabout at the end of Celtic Road, through security barriers and along road that runs round the perimeter of the site.
<b>Existing Buildings &amp; Structures</b>	The site consists of 4 large warehouse buildings linked together to create approximately 65,000m <sup>2</sup> of factory space. Another warehouse space detached from the main large warehouse is approximately 4,500m <sup>2</sup> in size located to the south of the main large warehouse. Between these two warehouses is a large concrete slab where it looks like a structure would have once resided. Also, there is a two storey office space with a base of around 2,000m <sup>2</sup> , located towards the southeast. Structurally there is no obvious evidence of any issues, although the building is cladded on the outside. The section added by Quinn was only built in 2005 so appears to be in a reasonable condition.
<b>Site Surface</b>	Mostly hard standing of asphalt roads and concrete slabs with shrubs and mixed mature / semi mature trees along site boundaries to the South and West. A pond is located 70m beyond the southern site boundary. A drainage ditch is located 20m beyond the western site boundary. There is the potential for the storage of construction materials / wastes inside the empty warehouse. Several areas of grass and light vegetation are present around the site.

Evidence of surface staining	No surface staining observed externally to the main buildings. Evidence of petroleum hydrocarbons (potentially hydraulic oils) were observed in trenches in the south west internally (Photo 3).
Ecology / Vegetation	Generally short field grass with semi mature trees and some shrubs around site and site boundaries. <u>NB</u> – This should not be considered as an ecological survey undertaken by a suitable qualified and experienced ecologist.
Storage Tanks	Several storage tanks are present around site. These are: <ul style="list-style-type: none"> <li>• Oil container and propane bottle storage (Photo 1)</li> <li>• Paint storage tanks (Photo 2)</li> <li>• 2 areas of Propane gas containers (Photo 5 and 8)</li> <li>• Liquid Oxygen and Liquid Pure Argon (Photo 6)</li> <li>• Gas bottle storage (Photo 7)</li> </ul>
Services	Numerous access chambers are located around site including storm drains and sewage drains. (Photo 4)
Asbestos	No potential Asbestos Containing Materials (ACMs) noted on the ground surface.
Waste Disposal/ Materials Storage	Small amount of fly tipping present to the west of the site.
Surrounding Area	At the time of the walkover, the land to the north was being used by the NHS, the land to the south is unused and to the west is a dual carriageway. To the east is an industrial estate.
Local Water Features	A small overgrown pond located 70m beyond the southern site boundary. And a small drainage ditch is located 20m beyond the western site boundary.
Potential Off-Site Receptors	None noticed on site visit.
Potential Off-Site Sources	None noticed on site visit.
Local / Background Knowledge	N/A

### 3. SITE HISTORY

A search of available historic maps was undertaken to establish the previous land uses of the site. The maps discussed below are presented in Appendix B of this report.

#### Summary of Site History

*On Site*

The following table summarises the significant changes in historical use on site:

On Site		
Feature & description	Date Appears on OS mapping	Date No longer shown on OS Mapping
A river marked as 'Nant-y-moor Reen' is shown in the central western area of the site, aligned approximately north-south and flowing southwards	1883	1999
A 'drain' is shown in the far west aligned approximately north-south and flowing southwards. The drain is partially removed / infilled in 1992-1996	1883	1999
Areas of trees in the central area	1883	1999
Unfenced road / pathway in the central area approximately aligned north-south	1883	1999
Fenced road located in the east aligned approximately north-south associated with trees	1883	1999
Small rectangular structure and associated square structures in the south eastern corner.	1901	1970
Water course labelled with 'Rises' in the south eastern corner. Marked as a 'spring' in 1956-1968	1922	2003
Small approximately square structure in the south east. Structure extended in 1996 and labelled as 'White House'.	1983	2003
Overhead power lines and pylons located in the west aligned approximately northwest-southeast and then changing direction to approximately eastsoutheast-westnorthwest.	1974	1999
Five rectangular structures and two circular structures shown, along with roadways and parking areas in the west. Largest structure extended to the west in 2000. Roadways extended across the site in 2006. Largest structure is extended southwards at the western end in 2009	1999	-
Two ponds encroach onto the central southern boundary and continue off-site to the south.	1999	2009

*Surrounding Area*

The following table summarises the significant changes in historical use on land surrounding the site, concentration on potential sources of contaminants and receptors.

Off Site				
Feature & description	Distance from site (m)	Direction from site	Date Appears on OS mapping	Date No longer shown on OS Mapping
Farmland with farms, hamlets and small villages.	0	All	1883	-
Numerous 'springs' and 'rises'.	45 – >500	All	1883	-
Drain and 'Nant-y-moor Reen'. In 1999, both the drain and 'Nant-y-moor Reen' have been augmented to diverted around the western site boundary	0	N and S	1883	-
Two ponds adjacent to the central southern boundary, which extend onto site	0	S	1999	2009

**4. GEOLOGY**

The following section details information published by the British Geological Survey (BGS) on geological maps of the area. Where readily available and relevant, Geological memoirs and other literature have been consulted along with the BGS website ([www.bgs.ac.uk](http://www.bgs.ac.uk)).

**Published Geology**

The documented geology of the site is summarised below:

	Map Reference	Geology
<i>Drift</i>	BGS Interactive website	The majority of the site is shown to be underlain by Quaternary River Terrace Deposits comprising sand and gravel. In the central western area, Alluvium is shown to be present, associated with Nant-y-moor Reen.
<i>Solid</i>	BGS Interactive website	The majority of the site is underlain by the Devonian Maughans Formation comprising interbedded mudstones and sandstones. The far south eastern

		corner is shown to be underlain by Triassic Mercia Mudstone Group comprising mudstones.
<i>Structural</i>	BGS Interactive website	There are no faults indicated within 250m of site.

There are four recorded BGS borehole records shown to be located on the site. It is suspected that three of these boreholes may be incorrectly located as they are labelled as being associated with the M4 motorway located approximately 580 m to the northwest. The remaining borehole recorded is located in the east of the site. The geology is shown to comprise Topsoil to 1m underlain by River Terrace Gravel deposits comprising very stiff sandy silt and clay with much fine to medium gravel with pockets and sand to 2.3m underlain by very dense fine to medium slightly sandy gravel to 5.25m. The Drift deposits are shown to be underlain by bedrock of Keuper Marl (Mercia Mudstone Formation) comprised of very stiff silty clay with varying amounts of very weak sandstone.

## Geological Features

The presence of recorded geological features such as BGS Mineral Sites, Man Made Mining Cavities or natural cavities within 250m of site are summarised below. If entries are present in a wider radius than 250m, further details are presented in Appendix B.

Data type	Entries (On site)	Entries (0-250m)
BGS Recorded Mineral Sites	None	None
Man Made Mining Cavities	None	None
Natural Cavities	None	None
Artificial Ground / Made Ground	None	None
Mining instability	None	None
Coal Authority Interactive Map – Mine entries	None	None

### *Radon*

The property is in a mix of Lower Probability Radon Area (less than 1% of homes are estimated to be at or above the Action Level) and the Intermediate Probability Radon area (5 to 10 % of homes are estimated to be at or above the Action Level). No radon protective measures are necessary in the construction of extensions.

### *Coal*

The site does not lie within an area affected by Coal Mining and as such a coal report was not obtained.

### *Brine*

The site does not lie within an area affected by Brine subsidence and as such, a Brine report was not obtained.

## 5. HYDROLOGY and HYDROGEOLOGY

### Hydrology

The presence of any hydrological licences and incidents within 250m of the proposed site is summarised below. If entries are present in a wider radius than 250m, further details are presented in Appendix B.

Data type	Entries (On site)	Entries (0-250m)
Discharge Consents	None recorded in the Envirocheck report. Information has been provided by the Pinnacle relating to a Trade Effluent Discharge consent to the foul public sewer, issued on the 7 <sup>th</sup> September 2006 to Quinn Radiators Limited. The consent relates to run-off from a vehicle wash facility. Details are presented in Appendix D.	Ten entries with the closest two being located 28 m to the south west, both are licensed to Costain Building & Civil Engineering.
Pollution Incidents to Controlled Waters	None recorded in the Envirocheck report. Information has been provide by Pinnacle relating to two pollution incidents in relation to Quinn Radiators Limited: <ul style="list-style-type: none"> <li>• Warning letter from Environment Agency Wales dated 16<sup>th</sup> November 2007 indicating that an offence had been committed under the provisions of s85 of the Water Resources Act 1991 (WRA). No action taken</li> <li>• Letter from Environment Agency Wales dated 25<sup>th</sup></li> </ul>	One entry located 186 m north. Related to release of crude sewage - Category 3 – Minor incident.

	<p>January 2010 indicating that an offence had been committed under the provisions of s85 of WRA. The incident related to the discharge of 'contaminated water' entering Pencoed Reen from a culvert. No action taken.</p> <ul style="list-style-type: none"> <li>• Details are presented in Appendix D.</li> </ul>	
Water Abstractions	None	One abstraction for groundwater located 236 m east operated by Hydrix Semiconductors Wales Limited. The abstraction is licensed for make-up or top up water.
Nearest Surface Water Feature	None	Nant-y-moor Reen located 3m to the west.
Flooding	<p>There are several small areas, typically close to the site boundaries and outside the boundaries of existing buildings which are susceptible to flooding.</p> <p>The site is also susceptible to flooding due to groundwater.</p>	Numerous areas are susceptible to flooding. Close to the site associated with Nany-y-moor Reen, and numerous land drains further to the south. Areas to the south of the site benefit from flood defence measures.

## Hydrogeology

The Groundwater Vulnerability map is summarised in the table below:

Geology	Formation	Aquifer Type	Permeability	Source Protection Zones
Drift	River Terrace Deposits	<i>Secondary A</i>	<i>Unknown</i>	<i>None</i>
Drift	Alluvium	<i>Secondary A</i>	<i>Unknown</i>	<i>None</i>
Solid	Maughans Formation	<i>Secondary A</i>	<i>Unknown</i>	<i>None</i>

Solid	Mercia Mudstone Formation	Secondary B	Unknown	None
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## 6. ENVIRONMENTAL DATA

The following section details environmental data available for the site and the surrounding area. Full details can be found in the Envirocheck Report by Landmark located in Appendix B.

The tables below summarise the presence/absence of any waste, hazardous substance sites and/or industrial land uses within 250m of the site with details provided. For entries present in a radius wider than 250m, further details are provided in Appendix B.

	Data Source	Data Summary
Environmental Database Information	Industrial Processes	<p>There are six registered Integrated Pollution Control (IPC) Authorisations located on site. These relate to LG Phillips Displays Wales Limited for:</p> <ul style="list-style-type: none"> <li>• Processes involving halogens;</li> <li>• Inorganic chemical processes within the chemical industry; and</li> <li>• Minor variations relating to the above</li> </ul> <p>There is one Local Authority Pollution Prevention and Control permit located on site, for Quinn Radiators Limited for coating of metal and plastic. An off-site permit is located 226 m north also to Quinn Radiators Limited for powder coating. Pinnacle has provided further details of the process which used primer (comprising pigment, resin (unknown composition) and demineralised water together with mine amine and butyl cellosolve) via a dip tank, powder coating and final painting. Further details are presented in Appendix D.</p> <p>There is one Control of Major Accident site (COMAH) Lower tier for LG Electronics Wales Limited located on site.,</p> <p>There are no Registered Radioactive Substances sites, Explosives Sites or Notification of Installations Handling Hazardous Substances (NIHHS) within 250m of the site.</p>
Landfill & Waste Sites Search	Landfills: Ordnance Survey Historical Mapping	There are no recorded landfill sites within 250m of the site boundary.

	Other Waste Sites	There are no recorded entries within 250m of the site.
Trade Directories	Trade Directory Entries recorded in 250m radius	There are four recorded entries on site relating to QRL Radiators Limited and LG Electronics. Within 250m of the site there are an addition two entries located approximately 170 m north relating to Essentra and Hydrix Semiconductor (Wales).
Fuel Stations	Fuel Stations recorded in 250m radius	There are no recorded fuel stations within 250m of the site.
Radon Potential	Building Research Establishment, 2015, 'Radon: Guidance on protective measures for new buildings'	Pinnacle has provided a British Geological Survey GeoReport (reference: BGS_310603/13764) dated 7 <sup>th</sup> August 2020. The report indicates that virtually all of the site is within an area where 5 to 10 % of homes are estimated to be at or above the Action Level. Basic radon protection measures are required.
Other Radiation		No reasonable grounds for believing land to be radioactively contaminated (in accordance with 2005 extension of Part IIA of The Environment Protection Act 1990).
Unexploded Ordnance	Zetica Bomb Risk Map website 20/05/2021	Low risk for unexploded ordnance. This should not be considered to constitute an authoritative assessment of risk from unexploded ordnance.
Ecology	Sites of Ecological Importance	There are no Sites of Special Scientific Interest (SSSI), National Nature Reserves, National Parks, Local Nature Reserves, Areas of Outstanding Natural Beauty or RAMSAR (wetlands) within 250m of the site.
Archaeological & Building Heritage	MAGIC website 20/05/2021	None present on site.
	Historic Wales website 20/05/2021 <a href="https://historic-wales-rcahmw.hub.arcg">https://historic-wales-rcahmw.hub.arcg</a>	There are no scheduled ancient monuments, buildings in historic parks, gardens on site or buildings within the curtilage of the site.  There are no sites of archaeological interest on site.

[is.com/app/560b673d549341e1aad78c12e2145592](https://www.is.com/app/560b673d549341e1aad78c12e2145592)

Pinnacle has provided a local authority search in relation to, but not limited to, ancient monuments, building / planning and highway related matters (reference: 2021/00623, dated 6<sup>th</sup> August 2020) which is presented in Appendix D. The report does not reveal any additional matters of concern.

## 7. PREVIOUS REPORTS / INVESTIGATIONS

A total of four previous studies have been provided by Pinnacle for review as part of the current investigation. These documents are as follows:

- Ambient Group UK Limited – Environment Management Report for EX-QRL Radiator Site, Newport – the report comprises an assessment of environmental aspects which require management procedures – February 2020
- Ambient Group UK Limited – Vendors Phase 1 Environmental Desk Study Summary Report, QRP Group, Imperial Park, Newport, March 2019
- GVA – Vendor Technical Due Diligence Report, Quinn Radiators Site, Imperial Park, Newport – March 2018
- GVA – Phase 1 Environmental Report – QRL Radiator Group, Imperial Park, Newport – March 2018

A summary of the findings and recommendations of each report is presented below.

### Ambient Group UK Limited – Environment Management Report for EX-QRL Radiator Site, Newport

The report was commissioned in order to evaluate any environmental liabilities which may transfer to the landlord following closure and demolition of the former QRL Radiator site. A summary of the findings, in relation to potential geoenvironmental and geotechnical issues, is listed below:

- Possible petroleum hydrocarbons were observed within drainage runs in the former manufacturing area;
- Residual degreasing agents (40,000 litres) at the time of the inspection had been discharged to foul sewer under a discharge consent;
- A total of twenty 11 kV transformers were present on site. No PCB analysis was undertaken prior to disposal;
- No current or former underground storage tanks;
- Two above ground diesel tanks were present. The tanks were bunded, and no evidence of spillages or leaks were observed;
- Three above ground paint tanks with a capacity of 30,000 litres each were present along the northern site boundary. No leaks or spillages were observed;
- Several 1,000 litre bunds during various visits have been observed as being full of water and some associated petroleum hydrocarbons;
- Significant staining of the ground was observed in the vicinity of former manufacturing machines and air compressors;
- Solidified paint was observed beneath paint plant tanks;
- No ground gas protection measures were observed;

## Ambient Group UK Limited – Vendors Phase 1 Environmental Desk Study Summary Report, QRP Group, Imperial Park, Newport

The report comprises a review of historical Ordnance survey maps, publically available environmental data and a review of previous reports. The report identifies potential on and off-site sources of contaminants, pathways and receptors. The report does not develop contaminant linkages, and assesses risk to the on-going operation of the site as low to medium.

## GVA – Vendor Technical Due Diligence Report, Quinn Radiators Site, Imperial Park, Newport

This report is a due diligence report based on a visual inspection of the site and identification of potential environmental and structural liabilities. A summary of the findings, in relation to potential geoenvironmental and geotechnical issues, is listed below:

- Concrete floors are largely in good condition with isolated cracking throughout the facility;
- Any surface water oil/water separators were unable to be inspected

## GVA – Phase 1 Environmental Report – QRL Radiator Group, Imperial Park, Newport

The report comprises a review of historical Ordnance survey maps, publically available environmental data and a review of previous reports. The report does not present a conceptual site model, but does identify potential on and off-site sources of contaminants, pathways and receptors and associated contaminant linkages. A summary of the findings, in relation to potential geoenvironmental and geotechnical issues, is listed below:

- All risks are assessed as 'low', with the exception of discharge of chemicals / oils into surface water receptors via run-off which is assessed as 'Low/Moderate' based on the presence of oil/water separators.

## 8. POTENTIAL CONTAMINANT LINKAGES & PRELIMINARY CONCEPTUAL SITE MODEL

### Hazards Identified with the Proposed Development

The hazard identification is based on the assumptions presented below:

- the site will be a data centre with associated server storage areas, offices and ancillary support structures; and
- drinking water will be from mains supply.

### Potential Sources of Contamination

For the purpose of this assessment the potential contaminants of concern have been considered according to whether they are likely to have originated from on-site or off-site sources.

#### *Potential On-site Sources of Contamination*

- Potential petroleum hydrocarbons in service trenches in Factory Area 1;
- Potential spillages / leakage of paint / primer from above ground tanks;
- Localised storage of lubricants and other chemicals; and
- Leakage of VOCs previously used in the manufacturing / finishing of radiators.

#### *Potential Off-site Sources of Contamination*

- No significant sources identified.

### Potential Receptors of Contamination

Based on the data previously discussed, the following potential receptors to contamination have been identified:

- Humans – Pre-development completion, i.e. working on site during demolition and construction.
- Humans – Staff and visitors working / visiting the site following development.
- Off-site Human Health receptors
- Surface Waters (pond and drainage ditches / Nant-y-moor Reen).
- Groundwater – Groundwater within the drift and bedrock Secondary aquifers.
- Building structure and services following development.

The possible contaminant linkages are discussed below. It should be noted not all may be formed between all sources and receptors.

## Identification of Pathways

### *Pathways to Human Health*

A potential contaminant may reach a receptor by various routes. For example, in areas where contaminated material is exposed, dermal contact with the material, inhalation or ingestion of dust may occur.

Inhalation or ingestion of dust and water could occur during the construction and development phase at the site. Pathways from dermal contact with soil and groundwater may also arise. It is considered that the risk of short term exposure for ground workers and other construction workers is low unless there are asbestos fibres or VOCs in the Made Ground and/or perched groundwater.

Post construction, the surface of the development area will predominantly comprise hardstanding. This is significant in that a number of potential pathways are removed (for example dermal contact, ingestion of soils) as well possibly enhancing some pathways (for example, advective ingress of ground gases / vapours into structures)

### *Ground Gas and Vapour related Pathways*

Ground gas and vapour entry into buildings is considered to be a potential pathway for the proposed development due to the possibility of advection and diffusion into buildings, which may be enhanced due to the presence of hard standing across the majority of the site.

### *Pathways to Controlled Waters*

Groundwater levels at the site are anticipated to be shallow and at a depth of less than 5 m within the drift deposits. This ground water is considered to be in hydraulic continuity with groundwater in bedrock. Lateral migration of potentially contaminated groundwater offsite via underlying aquifers and potentially Made Ground must be considered.

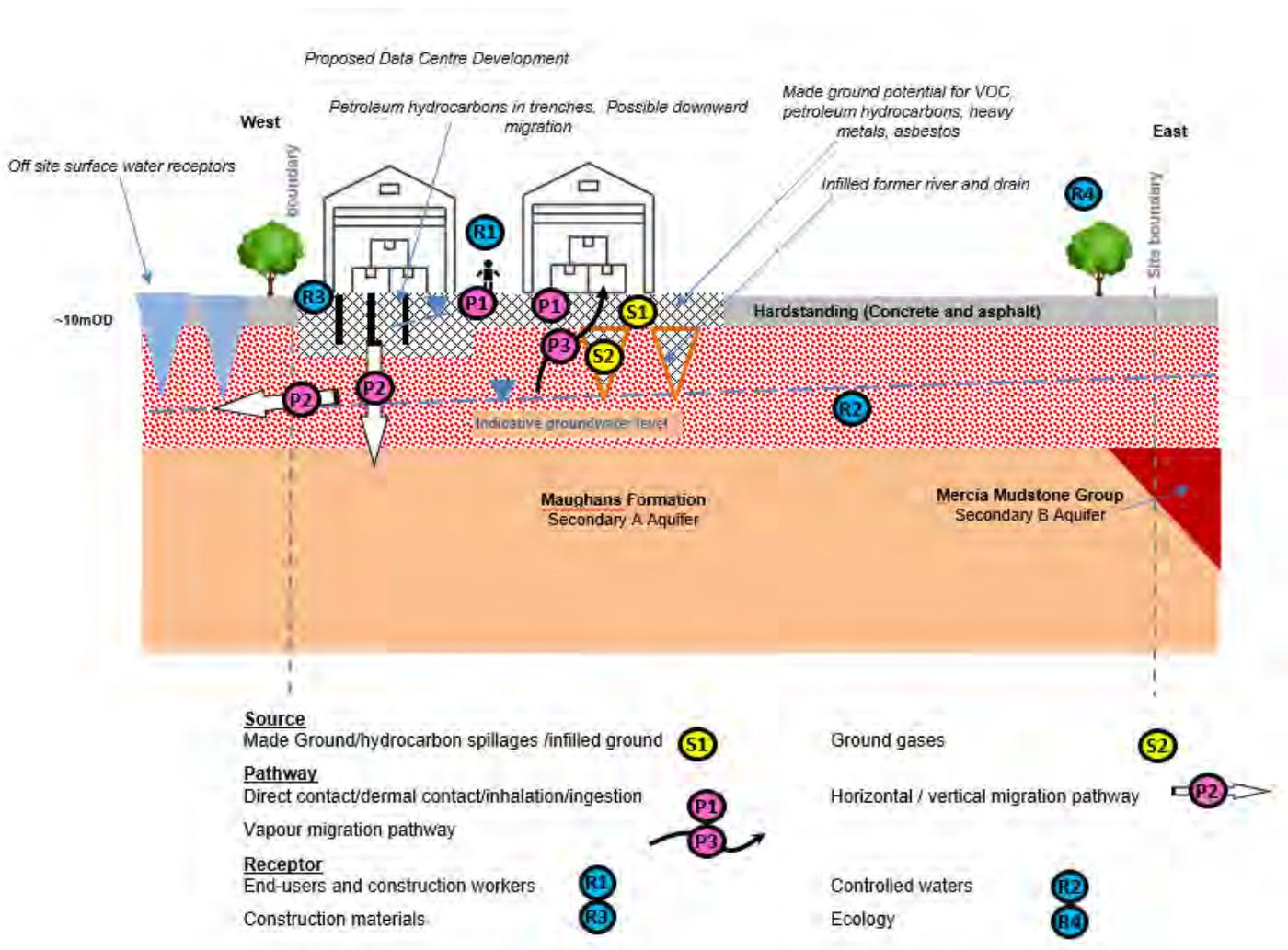
The vertical leaching of contaminants from any Made Ground / perched groundwater into groundwater is a potential pathway for contaminants. Any Made Ground contaminated materials, if present, are likely to be in direct contact with the drift and/or bedrock Secondary aquifers.

### *Other Pathways*

Other potential pathways that are possibly less significant to the site but still require consideration are; potential phytotoxic effects on sensitive landscaping plants, if present; chemical attack on foundations and services, potential for surface run-off to transport soils off-site during construction works and permeation of contaminants through domestic water pipes.

## Initial Conceptual Site Model

In accordance with BS 10175 and LCRM, a schematic Initial Conceptual Site Model has been developed based on the source-pathway-receptor data presented above. Further details of the risk assessment methodology are presented in Appendix C.



The model shows the predicted geology and topography, the major on site potential contamination sources and vulnerable receptors. Levels shown are relative to Ordnance Datum and are based on published data previously presented in the report, although the drawing may not be considered to scale. The information presented above represents the preliminary conceptual ground model that may need to be revised based on information obtained as part of any future intrusive investigation. A number of sensitive receptors and potential pathways and sources (in association with a list of likely contaminants) have been identified.

The ground model and proposed end use described above should be considered broadly representative of the commercial land use defined in Nathaniel et al. 2015, The LQM/CIEH S4ULs for Human Health Risk Assessment.

## Potential Contaminant Linkages Assessment

For each contamination source there are potential contaminant linkages with all receptors. However, in the context of this site, not all of the contaminant linkages are plausible. The likelihood of the various pathways linking the contaminants to the receptors is presented in the table below:

The preliminary contaminant linkage assessment is based on current available guidance published by a number of sources and is summarised in Appendix B.

The preliminary hazard assessment is a qualitative assessment of the risks posed by each viable pollution link identified. The hazard assessment leads to a recommended subsequent activity that could be:

- Action Required (AR) in the short term to break existing contaminant-pathway-receptor (CPR) link;
- Site Investigation Required (SIR) with objectives for risk estimation; or
- No Action Required (NAR) at this stage.

Hazard Identification				Hazard Assessment			
Link	Contaminant	Pathway	Receptor	Probability	Consequence	Risk	Contaminant Linkage Assessment
1	Contaminated soil/groundwater	Ingestion (via soil dust) and inhalation (via soil dust and vapours), ingestion through dirty hands, dermal contact with soil/water.	A- Humans using the site during construction.	Low/ Unlikely	Medium	Medium/Low	SIR: Potential for contaminant to be present in Made Ground deposits, including petroleum hydrocarbons and asbestos which may have chronic and acute effects upon construction workers
2		Ingestion (via soil dust) and inhalation (via soil dust and vapours), ingestion through dirty hands, dermal	B- Humans using the site after development completion.	Low/ Unlikely	Medium	Medium/Low	SIR: Potential for contaminant to be present in Made Ground deposits, including petroleum hydrocarbons and VOCs

Hazard Identification				Hazard Assessment			
Link	Contaminant	Pathway	Receptor	Probability	Consequence	Risk	Contaminant Linkage Assessment
		contact with soil/water.					which may have chronic effects upon site workers / visitors.
		Downward / Lateral migration	D – Secondary Aquifer D – Surface water	Low/ Unlikely	Medium	Medium/ Low	SIR: Contaminants, especially petroleum hydrocarbons, may leach into shallow Made Ground / Drift deposits and impact controlled waters on-site as well as lateral migration off-site.
		Inhalation	B- Humans using the site after development completion.	Low/ Unlikely	Medium	Medium/ Low	SIR: Potential for VOCs in Made Ground, which may enter structures via advection.
4		Ingestion, inhalation, dermal/direct contact	E- Ecology (Flora/Fauna)	Negligible / Not credible	Negligible	Near Zero	NAR
5	Gas – methane & carbon dioxide	Ingestion, inhalation, dermal/direct contact	B - Humans using the site after development completion.	Negligible	Severe	Medium/ Low	NAR – No significant sources of ground gases suspected as being present (eg thick made ground, landfill or shallow former coal mineworkings)

Hazard Identification				Hazard Assessment			
Link	Contaminant	Pathway	Receptor	Probability	Consequence	Risk	Contaminant Linkage Assessment
6		Secondary Aquifer	E- Ecology (Flora/Fauna)	Low/ Unlikely	Negligible	Low	NAR
7	Contaminated soil/waste/ groundwater	Direct contact.	F- Building structures.	Low/ Unlikely	Medium	Medium/ Low	SIR: Analysis of soil and groundwater if relevant for potentially aggressive ground conditions

## Geotechnical Hazards Associated with the Development

In addition to the environmental hazards, there are also geotechnical hazards associated with the stability of the ground (including load bearing capacity, slope stability and effects of ground (mining) cavities). Local Authorities follow the NPPF (2019) which requires that “site is suitable for its new use taking account of ground conditions and land instability....includes risks arising from natural hazards or former activities such as mining...” A summary of the geotechnical hazards and considerations is provided below:

Geohazards:	
Highly Compressible Ground	There is a low to moderate risk associated with the Alluvium central western area of the site and any clay layers present within the River Terrace Deposits.
Collapsible Soils	Very low
Swelling Clay	Very low.
Running Sand	Very low
Ground Dissolution	No
Landslip	There are no slopes on the site.
Mining & Quarrying	There is no evidence of mining or mineral extraction or quarrying at the site.
Geotechnical Design Considerations	
Site Clearance	The site currently comprises a number of warehouse buildings with associated infrastructure and areas of concrete hard-standing that is to be removed prior to the re-development of the site.

Trees	Some trees and shrubs are present around the edges of the site but are unlikely to impact on the foundation design.
Existing Buildings / Obstructions	There are a number of buildings on site. No underground structures / basements are understood to be present on the site
Foundations	Made Ground is likely to be present across the site. Any foundations will need to be taken below the Made Ground and bear into the natural soils. The use of shallow foundations may be possible should the River Terrace Deposits be of sufficient strength and stiffness. Otherwise the use of other foundation solutions such as the use piled foundations bearing into the St Maughans Formation will be required. Ground investigation will be required in order to fully inform the design of such foundations.
Floor Slabs	Ground investigation will be required in order to fully inform the design of the floor slab.
Groundwater	Shallow groundwater may be encountered within the superficial drift deposits. This needs to be confirmed during the investigation and implications for development in terms of dewatering considered.
Earthworks	No significant earthworks are anticipated in the proposed development.
Slopes	Slope stability considered to be a low risk
Retaining Walls	Not considered to be relevant to the proposed development
Chemically aggressive ground conditions	Adverse pH and sulphate levels are unlikely but this needs to be confirmed as part of the investigation.

## 9. CONCLUSION & RECOMMENDATIONS

### Environmental Risk Assessment

The results of the risk assessments indicate that there are no significant source of contaminants present at the site so there is a low risk to all receptors including humans, structures, controlled waters and ecological receptors. No specific precautions are required with respect to permanent ground gases, radon and hydrocarbons for the development.

If any soils are to be removed from site and disposed of at a Permitted facility, these should be chemically analysed to ensure appropriate waste classification and characterisation.

No further investigation is required and no remedial measures are required in relation to geoenvironmental risks.

### Geotechnical Risk Assessment

The risk assessment has concluded that there are no significant geotechnical risks associated with the proposed development. Information is required in order to design appropriate foundations and floor slabs for the proposed development, as well as assess the potential for aggressive ground conditions for concrete design purposes.

### Recommendations for Further Works and Proposed Investigation Strategy

#### Re-use of soils

It is recommended that a U1 exemption is applied for in order to re-use up to 1,000 tons of soil at the site. If any cut/fill operations will exceed the limit of a U1 exemption, then soils should be assessed and re-used in accordance with the requirements of the CL:AIRE Definition of Waste: Code of Practice (DoWCoP). The works requires are as follows:

- A baseline contaminant assessment should be undertaken in order to allow screening of clean naturally occurring soils for importation to assess for potential increased contaminant loading;
- as most developments require a portion of excess soil to be sent to a landfill sites, we would make an assessment of the made ground and natural strata to classify them in accordance with Landfill Waste Acceptance Criteria;
- if soils are re-used in accordance with the CL:AIRE DoWCoP these soils may potentially still be classified as waste until a Verification Report has been submitted; and
- If contamination is found during excavation or construction, stop work and make excavations safe and contact an experienced geoenvironmental engineer to re-assess potential risks.

## Proposed intrusive investigation strategy

A Preliminary Geotechnical Investigation is planned and will be carried out in accordance with BS 5930:2015 + A1:2020, to assist with the proposed development design. The investigation will comprise:

- Cable Percussion Boreholes with a limited number having Rotary Core Follow-on
- Dynamic Sample Boreholes to provide information on shallow ground conditions, especially relating to contaminants in shallow deposits / Made Ground.
- Standpipes to be installed in most of boreholes for groundwater monitoring and sampling.
- Laboratory testing including classification (water content, Atterberg Limit and PSD), strength and compressibility tests to obtain geotechnical parameters and chemical tests to check for aggressive ground in relation to buried concrete.
- Chemical analysis of a minimum of 3 soil samples to allow waste classification and characterisation including analysis for Waste Acceptance Criteria. This assessment will also allow the establishment of baseline soil chemical concentrations to allow assessment of any proposed soil importation via the CL:AIRE DoWCoP

A plan showing the proposed locations of the exploratory holes is presented below.



## 10. REFERENCES

- a) Environmental Protection Act 1990: Part IIA, Contaminated Land Statutory Guidance, HM Government, April 2012.
- b) BS 5930 : 2015 + A1:2020: Code of practice for site investigation. British Standards Institution.
- c) BS 10175 : 2011+A2 2017: Investigation of potentially contaminated sites – Code of Practice. British Standards Institution
- d) Building Research Establishment : 2010 : Part C.
- e) Building Research Establishment : 2015 : Radon: Guidance on protective measures for new buildings.
- f) Environment Agency : 2010 : GPLC1 – Guiding principles for land contamination. GPLC2 – FAQs, technical information and references. GPLC3 – Reporting checklists.
- g) Environment Agency : 2021: Land Contamination Risk Management
- h) Welsh Government : The Building Regulations 2010. Part C. Site Preparation and resistance to contaminants and moisture.
- i) Welsh Government 2021 : Planning Policy Wales, February 2021.
- j) Statutory Instruments: 2012: Environmental Protection, England. Contaminated Land (England) (Amendment) Regulations 2012 No. 263 coming into force 6<sup>th</sup> April 2012.
- k) Statutory Instruments: 2015: The Construction (Design and Management) Regulations 2015 (CDM 2015) coming into force 6<sup>th</sup> April 2015.
- l) Nathaniel et al. 2015, The LQM/CIEH S4ULs for Human Health Risk Assessment.

## 11.APPENDICES

APPENDIX A: Site Walkover Photos

APPENDIX B: Envirocheck Report & Historical Mapping

APPENDIX C: Contaminated Land Risk Assessment Methodology

APPENDIX D: Pinnacle Supplied Information

## Appendix A



**Photo 1 – Oil container and propane bottle storage**

**Photo 2 – Paint Containers**



Photo 3 – Hydraulic oil and other contaminants in trenches



Photo 4 – Sewage pipes



Photo 5 – Propane Gas container

Photo 6 – Liquid Oxygen and Liquid Pure Argon



Photo 7 - Gas bottle storage

Photo 8 – More Gas storage



## Appendix B

# 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		
	<b>-285</b> 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
	Coppice		
	Bracken		Heath
	Rough Grassland		
	Marsh		Reeds
	Saltings		
	Building		Glasshouse
	Sloping Masonry		Pylon
	Electricity Transmission Line		Pole
	Cutting		Embankment
	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 Shown only when not coincident with other boundaries		
	Civil Parish Shown alternately when coincidence of boundaries occurs		
	BP, BS Boundary Post or Stone		Pol Sta Police Station
	Ch Church		PO Post Office
	CH Club House		PC Public Convenience
	F E Sta Fire Engine Station		PH Public House
	FB Foot Bridge		SB Signal Box
	Fn Fountain		Spr Spring
	GP Guide Post		TCB Telephone Call Box
	MP Mile Post		TCP Telephone Call Post
	MS Mile Stone		W Well

## 1:10,000 Raster Mapping

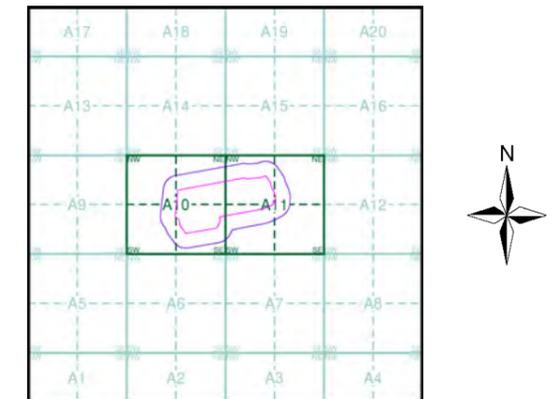
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil,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

**geotechnics**

## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Monmouthshire	1:10,560	1887	3
Glamorganshire	1:10,560	1901	4
Monmouthshire	1:10,560	1902	5
Glamorganshire	1:10,560	1922	6
Monmouthshire	1:10,560	1922	7
Monmouthshire	1:10,560	1938 - 1954	8
Historical Aerial Photography	1:10,560	1947	9
Historical Aerial Photography	1:10,560	1947	10
Glamorganshire	1:10,560	1953	11
Monmouthshire	1:10,560	1954	12
Ordnance Survey Plan	1:10,000	1964	13
Ordnance Survey Plan	1:10,000	1970 - 1972	14
Ordnance Survey Plan	1:10,000	1982 - 1989	15
Newport	1:10,000	1983	16
Ordnance Survey Plan	1:10,000	1992 - 1996	17
10K Raster Mapping	1:10,000	1999	18
10K Raster Mapping	1:10,000	2006	19
VectorMap Local	1:10,000	2021	20

## Historical Map - Slice A



## Order Details

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 1000

## Site Details

Newport Quinn SDD RFO, Celtic Way, Celtic Lakes, NEWPORT, NP10 8BE

**Landmark**  
 INFORMATION GROUP

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

# Russian Military Mapping Legends

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

a. Not drawn to scale b. Drawn to scale

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

**243,8** Values for prominent elevations  
**186.0** Numbers for spot elevations, depth soundings, contour lines, etc.  
**0,2** Velocity of the current, width of river bed, depth of river  
**180/12** Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

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

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

## 1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

	Government and Administrative Buildings		Military and Industrial Buildings
	Military and Communication Areas		Subway Entrance
	Partly Demolished Buildings		Demolished Buildings
	Built-Up Area with Fireproof Buildings Predominant		Built-Up Area with Non-Fireproof Buildings Predominant
	Individual Fireproof Building		Prominent Industrial Building
	Individual Dwelling, Fireproof		Ruins of an Individual Dwelling
	Factory or Mill Chimney		Factory or Mill with Chimney
	Factory or Mill without Chimney		Salt Mine
	Operating Shaft or Mine		Tailings Pile
	Non-Operating Shaft or Mine		Gas Pump or Service Station
	Pit		Fuel Storage or Natural Gas Tank
	Oil or Natural Gas Derrick		Small Hydroelectric Power Station
	Power Station		Transformer Station
	Cemetery		Burial Mound (height in metres)
	Triangulation Point on Burial Mound		Triangulation Point
	Bench Mark		Telegraph Office
	Bench Mark (monumented)		Telephone Station
	Radio Station		Radio Tower
	Airfield or Seaplane Base		Landing Strip
	Cut		Highway under Construction
	Fill		Improved Dirt Road (former truck road)
	Km Post		Steep Grade
	Plantings		Dismantled Railroad
	Main Highway		Railroad Under Construction
	Small Bridge		Water Reservoir or Rain Water Pit
	Pipe (Culvert)		Spring
	Tunnel		Isobath with value
	Double-track Railroad with First Class Station		Shore Embankment
	River or Ditch with Embankment		Water Gauge
	Direction and velocity of current		Water Level Mark
	Well		Spot Elevation Value
	Heavy (Index) Contour Line		Half Contour Line
	Contour Line and Value		Coniferous
	Coniferous		Deciduous
	Deciduous		Mixed
	Mixed		Scrub
	Scrub		

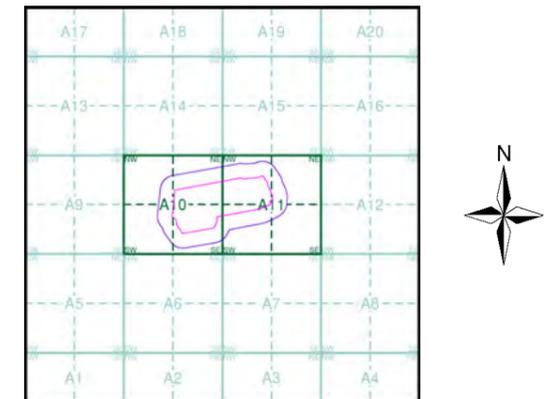
## Key to Numbers on Mapping



### Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
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### Russian Map - Slice A



### Order Details

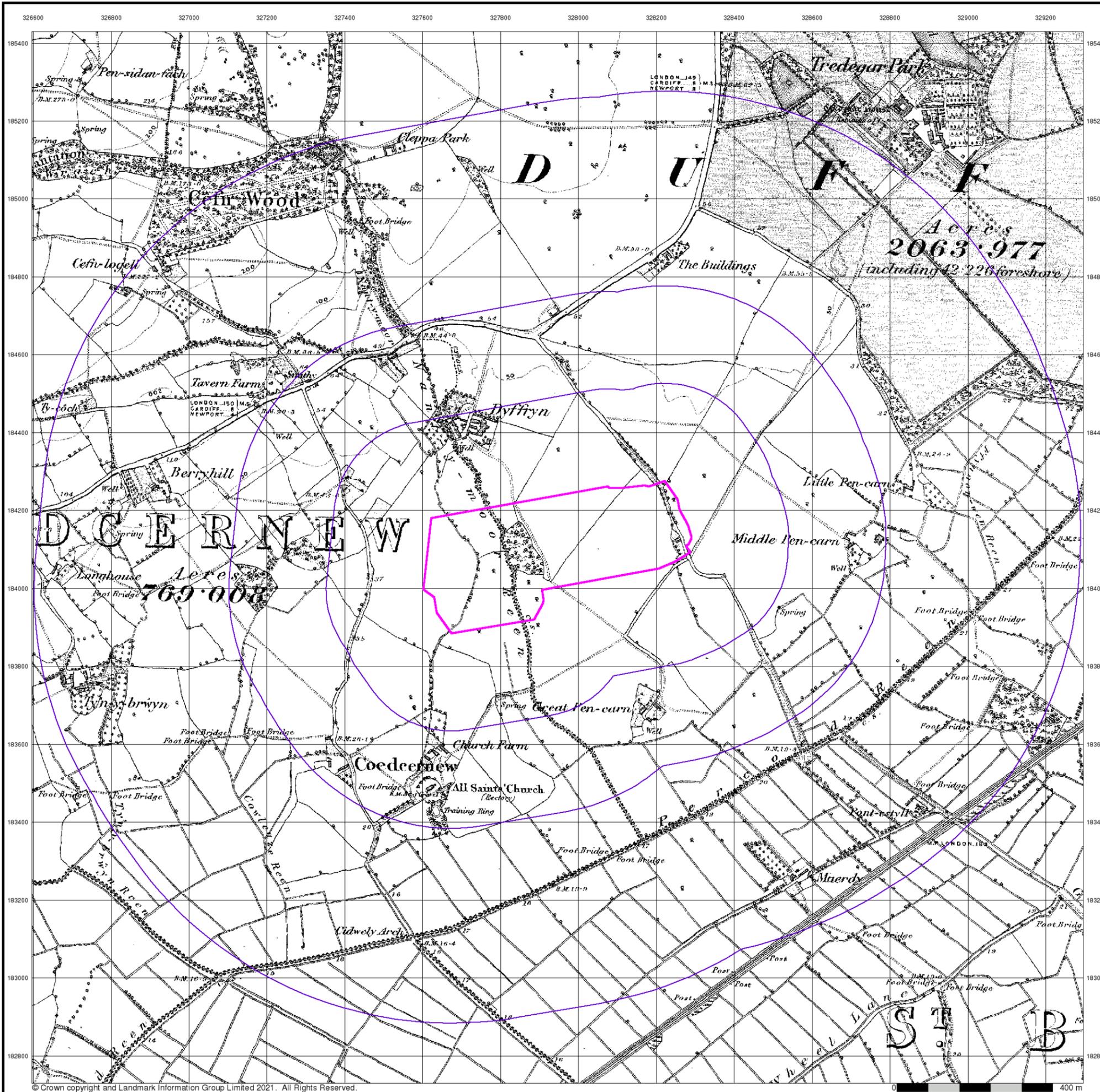
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 Search Buffer (m): 1000

### Site Details

Newport Quinn SDD RFO, Celtic Way, Celtic Lakes, NEWPORT, NP10 8BE



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



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geotechnics

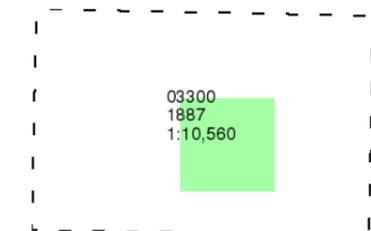
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Published 1887

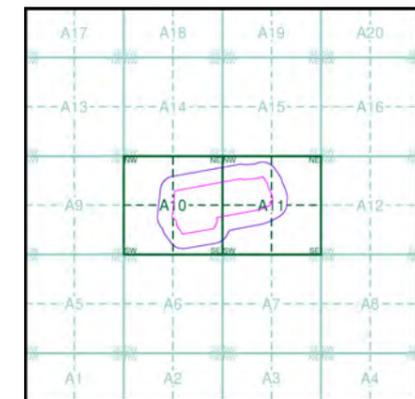
Source map scale - 1:10,560

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)



Historical Map - Slice A



Order Details

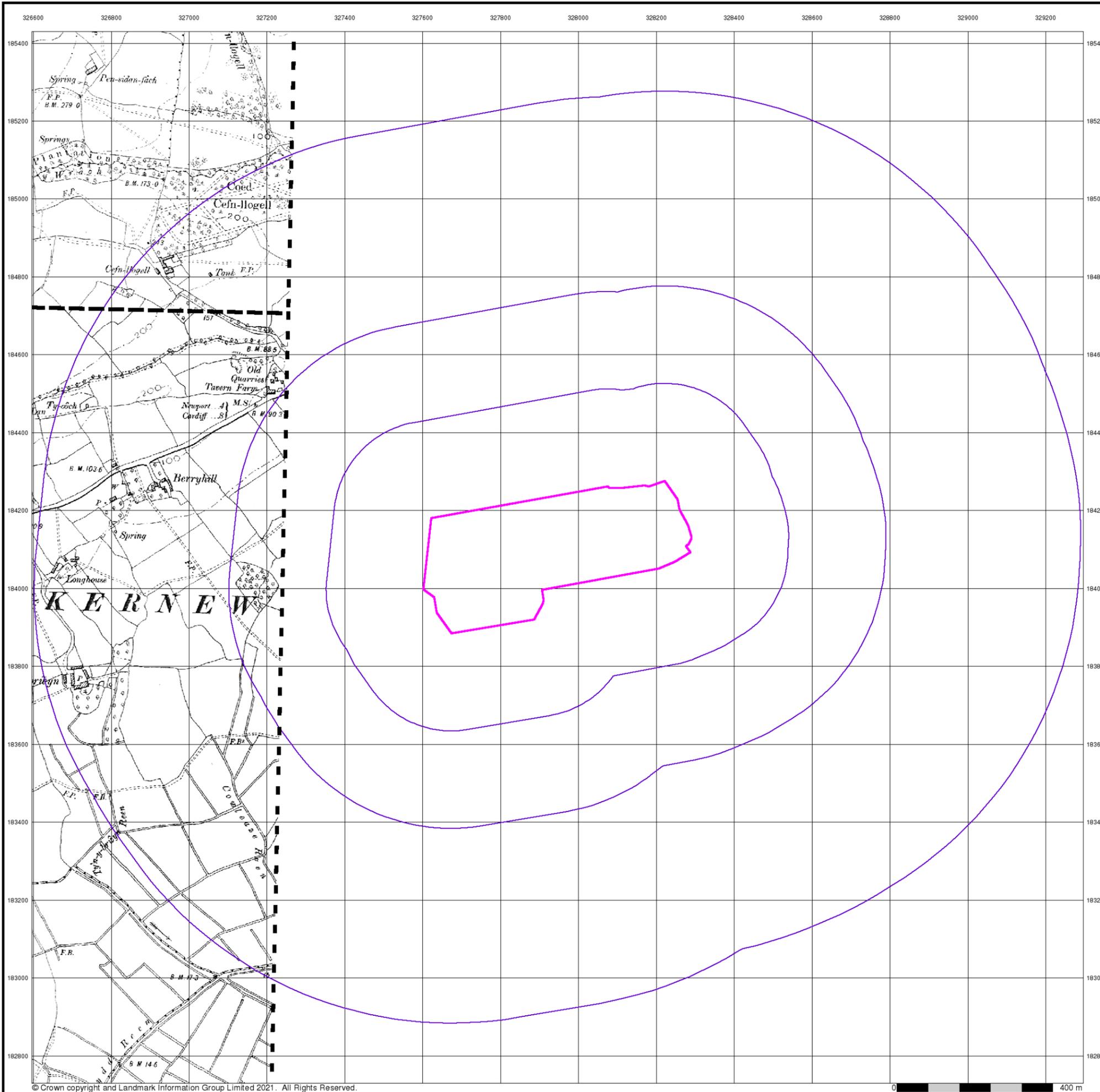
Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 1000

Site Details

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**Glamorganshire**

**Published 1901**

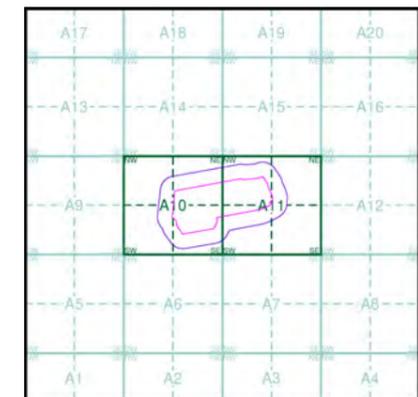
**Source map scale - 1:10,560**

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

**Map Name(s) and Date(s)**

038NW	1901	1:10,560
038SW	1901	1:10,560

**Historical Map - Slice A**



**Order Details**

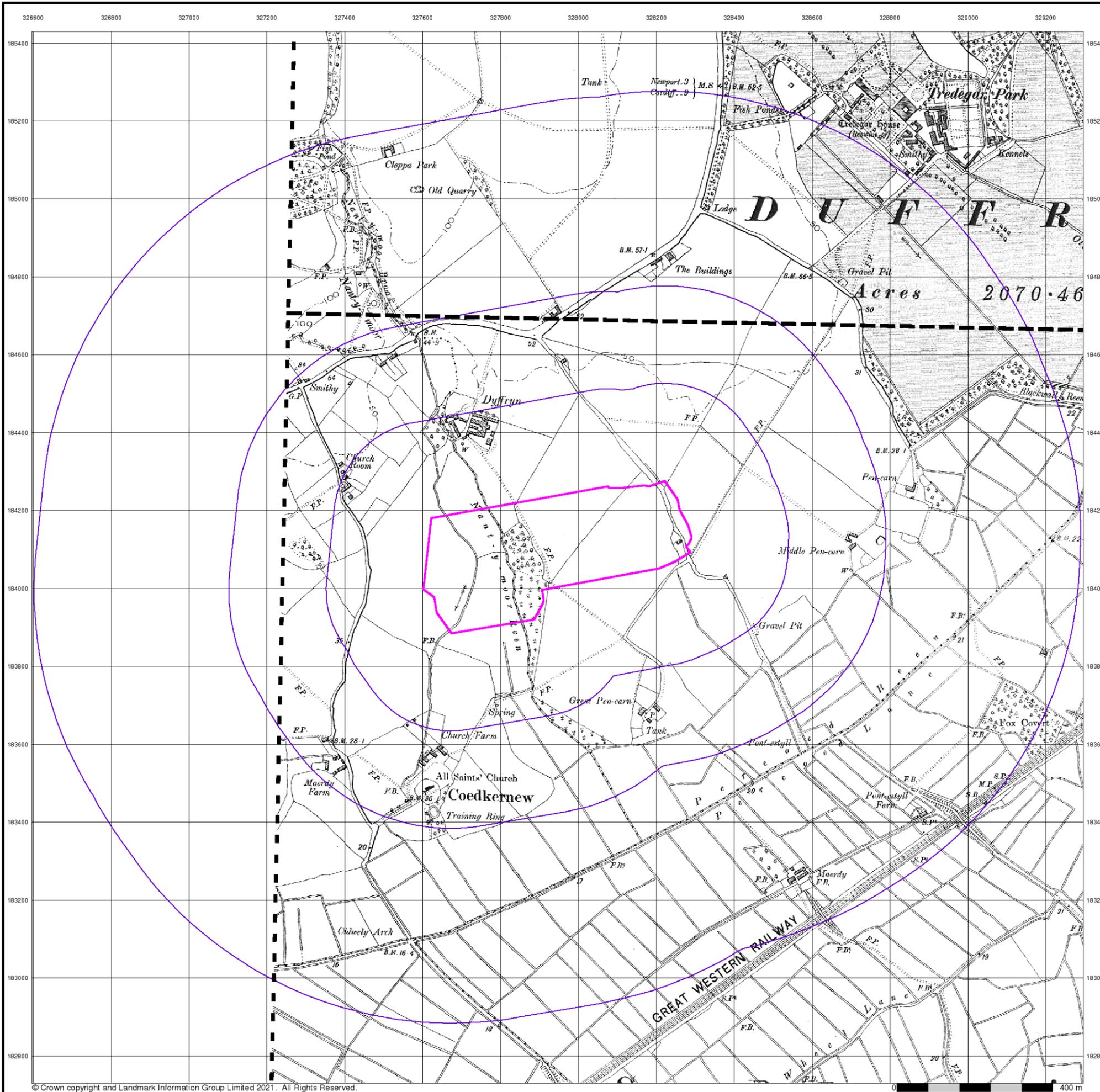
Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 1000

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## Monmouthshire

Published 1902

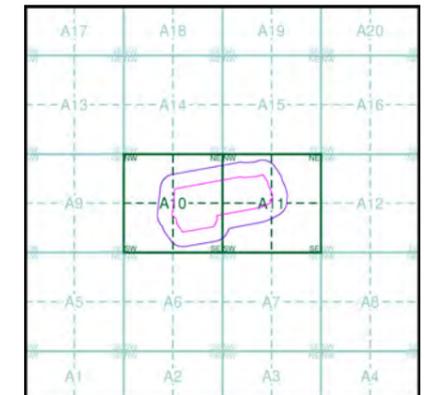
Source map scale - 1:10,560

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)

033NE	1902	1:10,560
033SE	1902	1:10,560

### Historical Map - Slice A

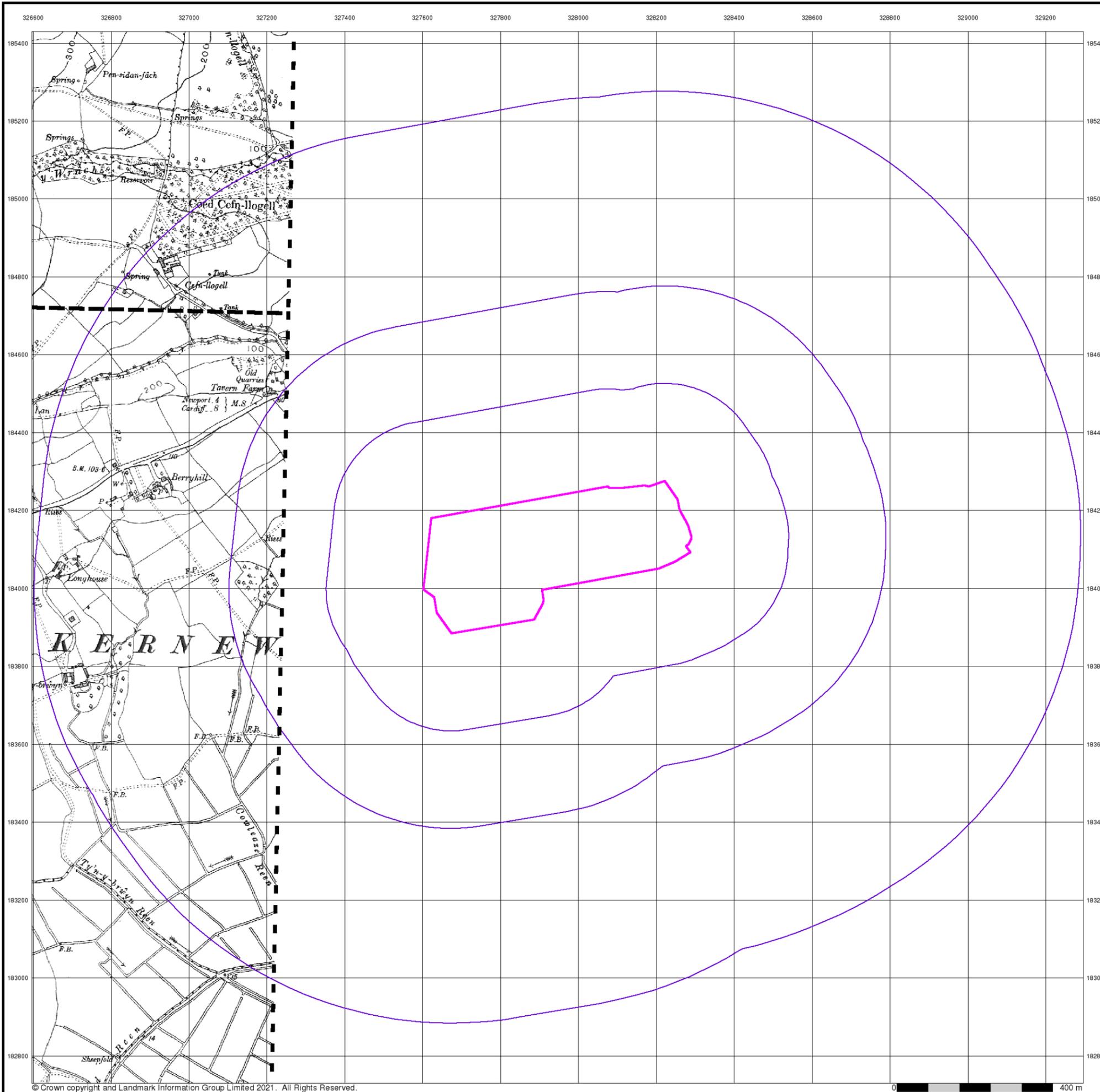


### Order Details

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 1000

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0 400 m

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**Glamorganshire**

**Published 1922**

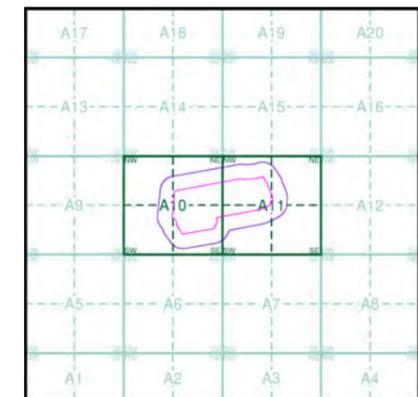
**Source map scale - 1:10,560**

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

**Map Name(s) and Date(s)**

038NW	1922	1:10,560
038SW	1922	1:10,560

**Historical Map - Slice A**



**Order Details**

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 1000

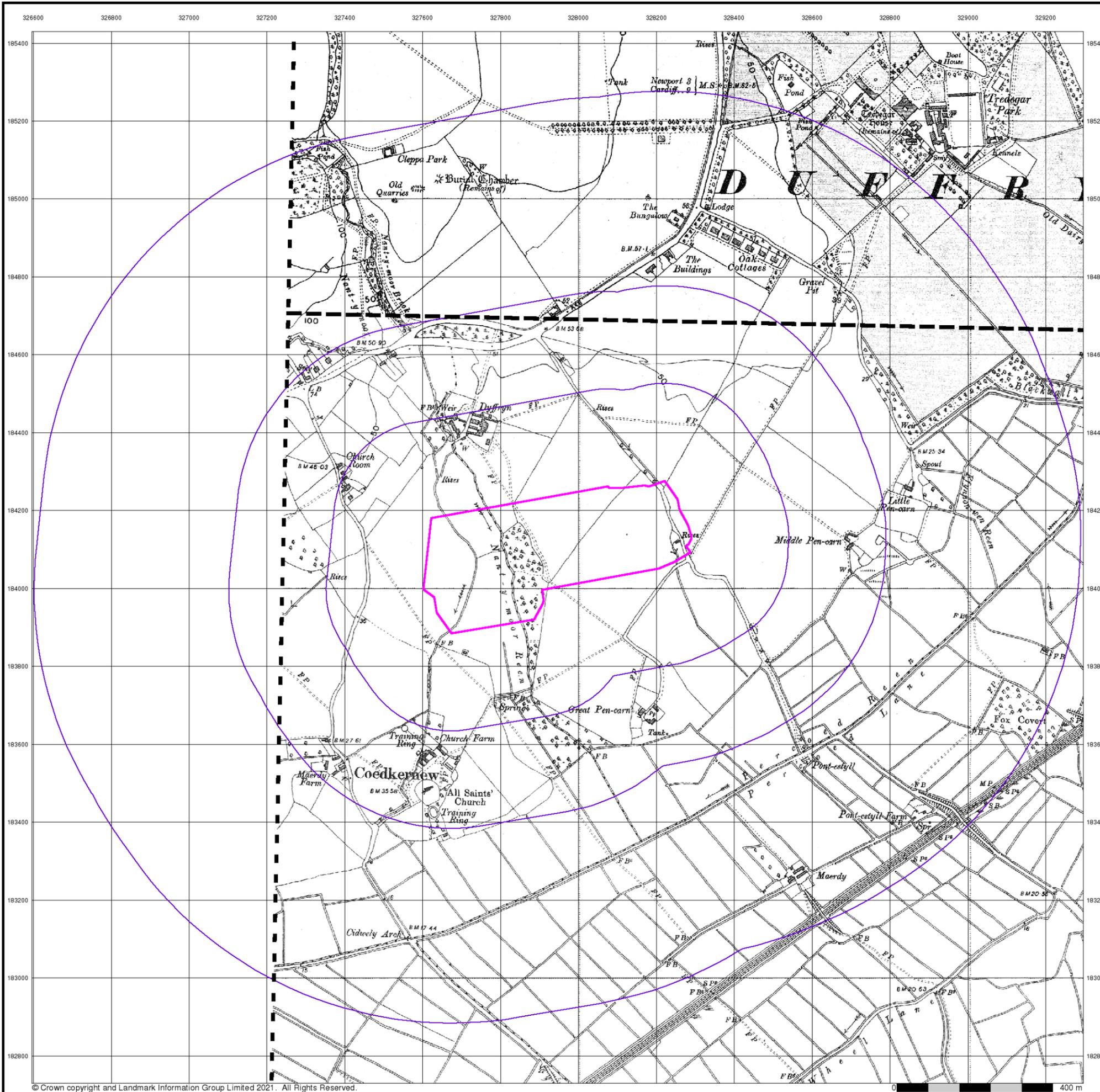
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**Monmouthshire**

**Published 1938 - 1954**

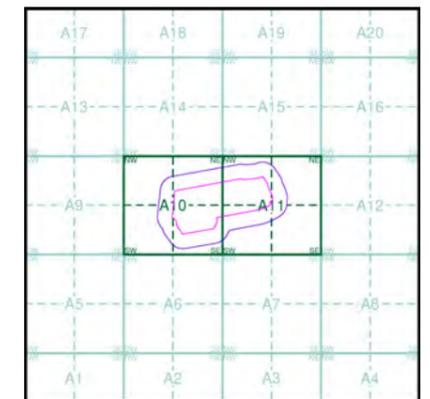
**Source map scale - 1:10,560**

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)**

033NE	1938	1:10,560
033SE	1954	1:10,560

**Historical Map - Slice A**



**Order Details**

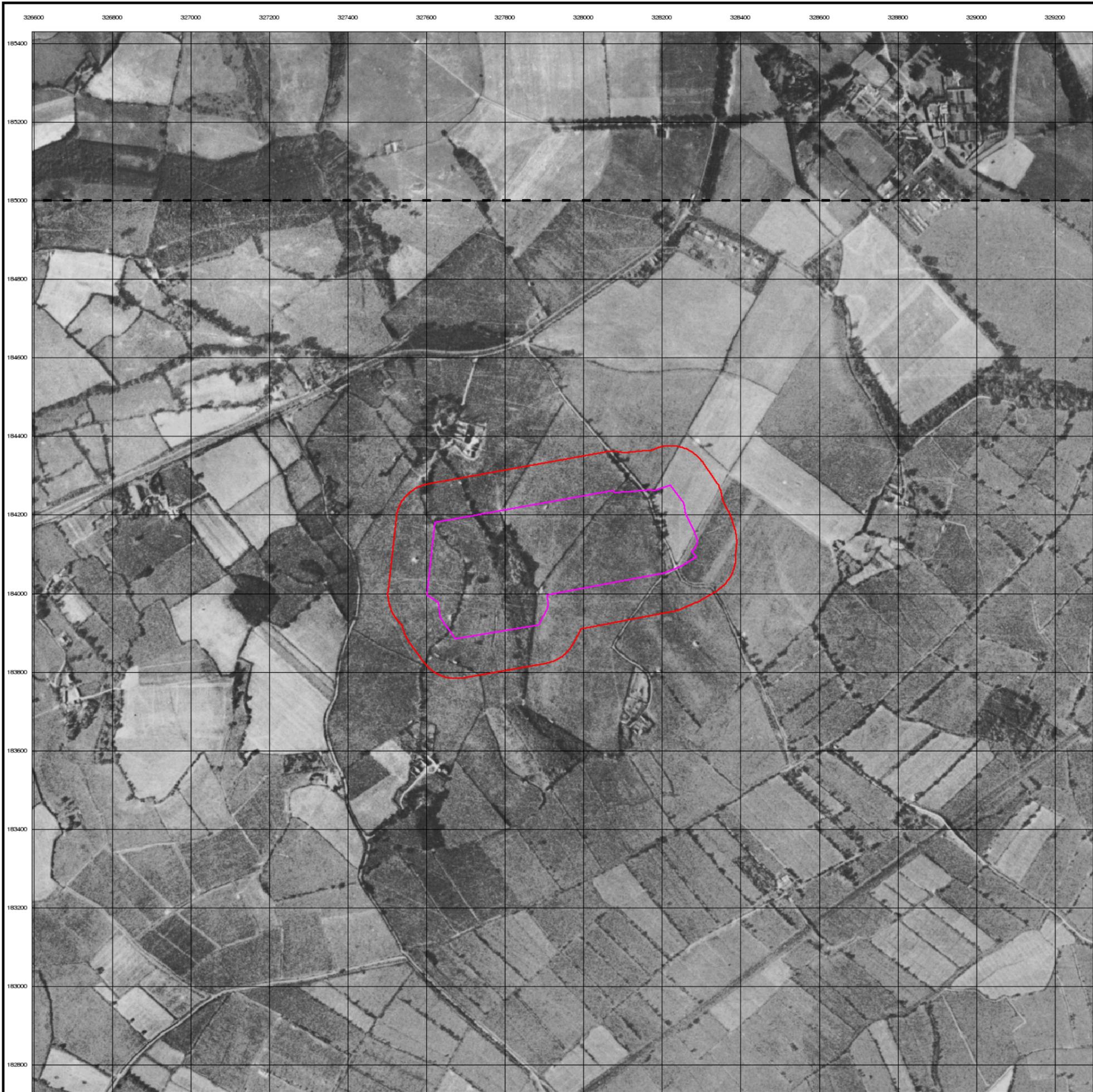
Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
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 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 1000

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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.

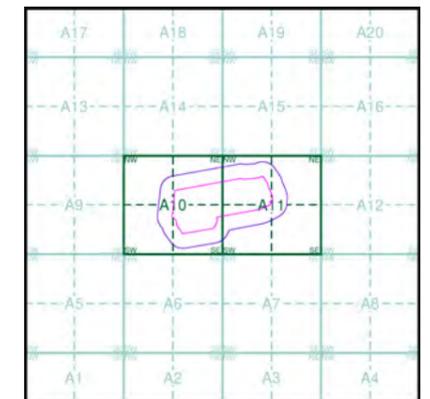
© Landmark Information Group and/or Data Suppliers 2010.

**Map Name(s) and Date(s)**

ST28NE  
1947  
1:10,560

ST28SE  
1947  
1:10,560

**Historical Aerial Photography - Slice A**



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**Order Details**

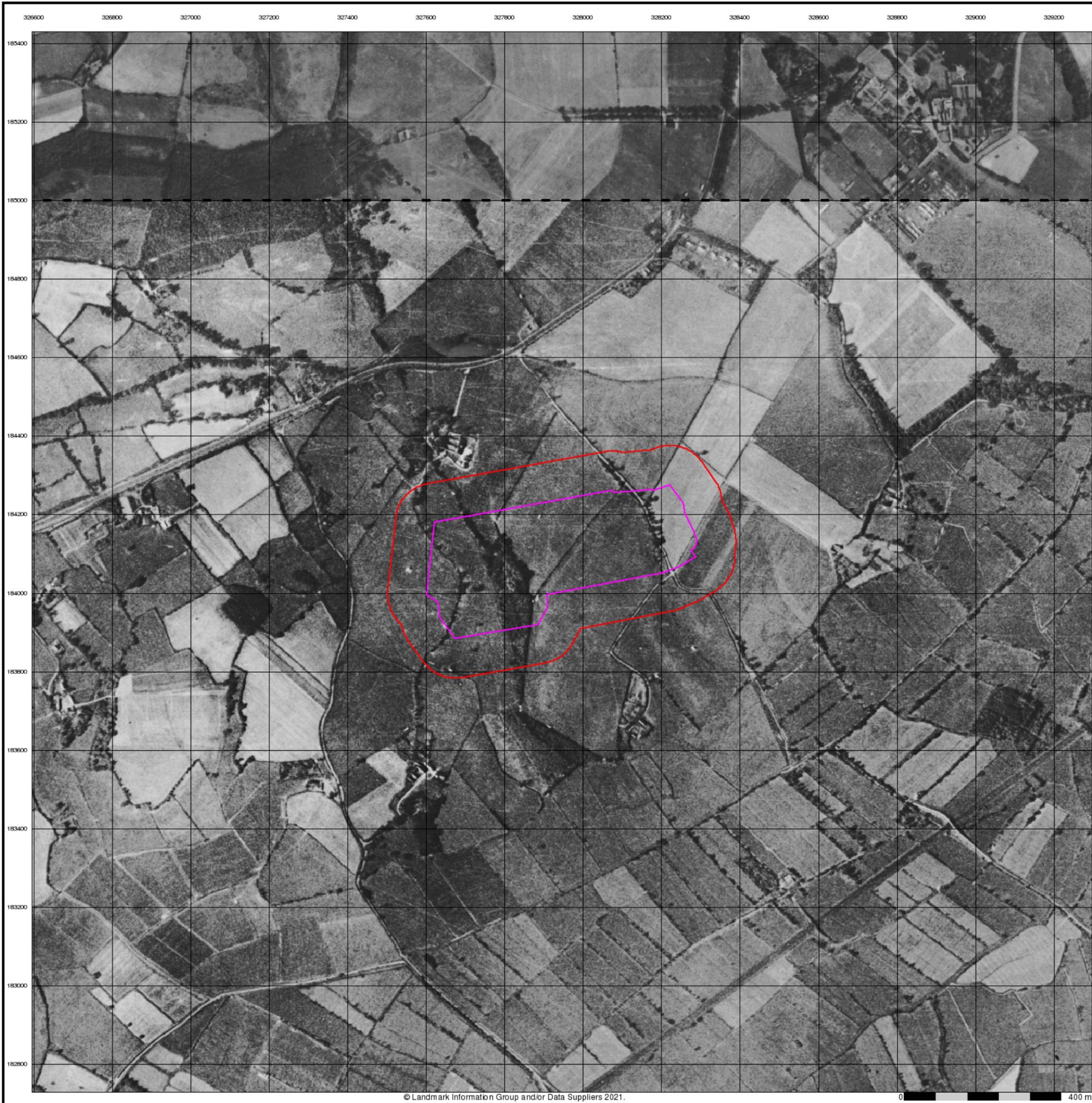
Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 1000

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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.

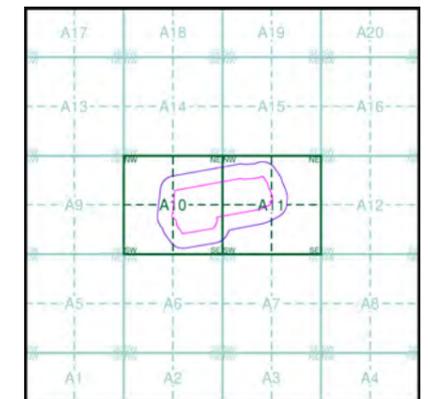
© Landmark Information Group and/or Data Suppliers 2010.

**Map Name(s) and Date(s)**

ST28NE  
1947  
1:10,560

ST28SE  
1947  
1:10,560

**Historical Aerial Photography - Slice A**

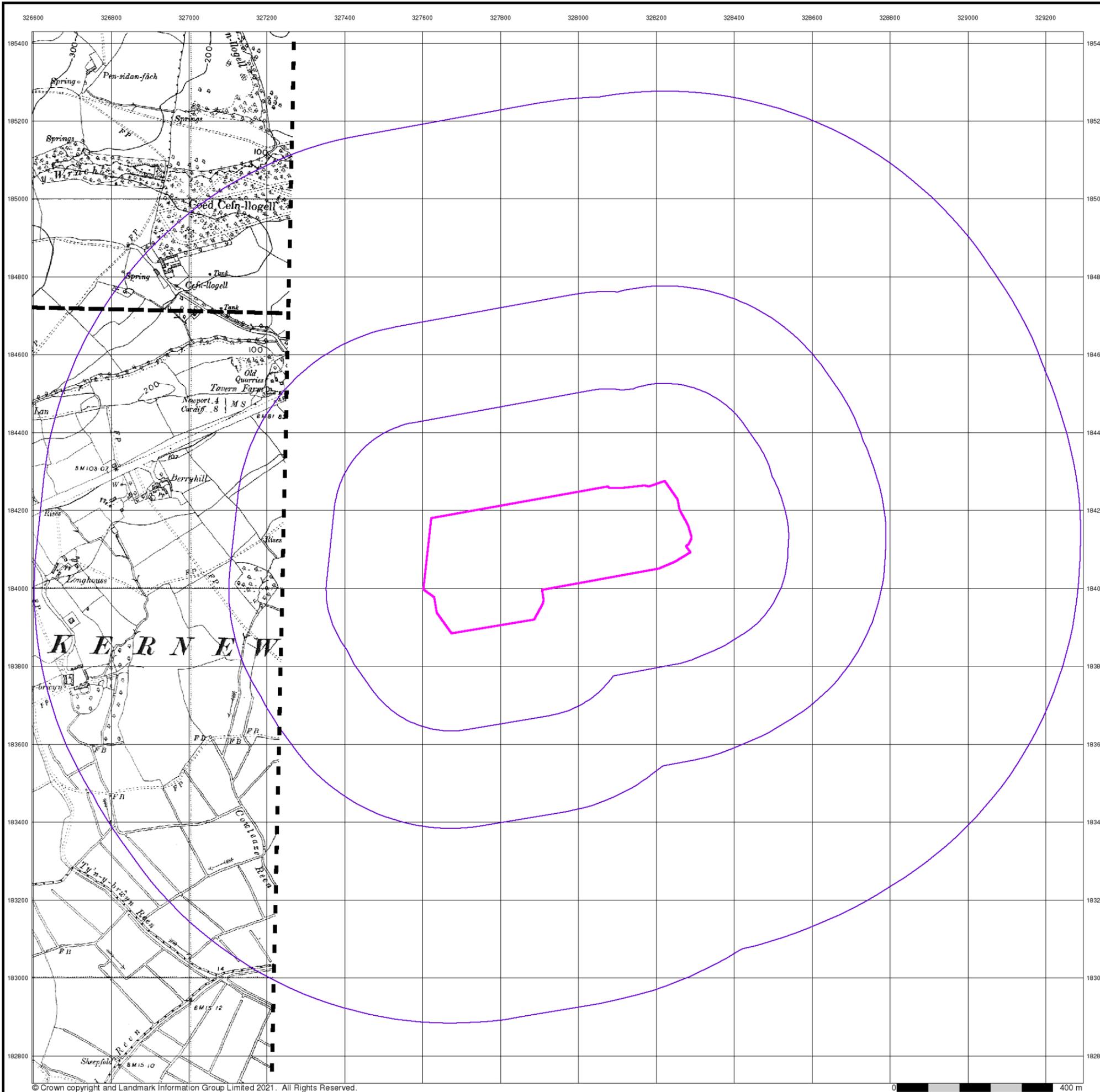


**Order Details**

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 1000

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0 400 m

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**Glamorganshire**

**Published 1953**

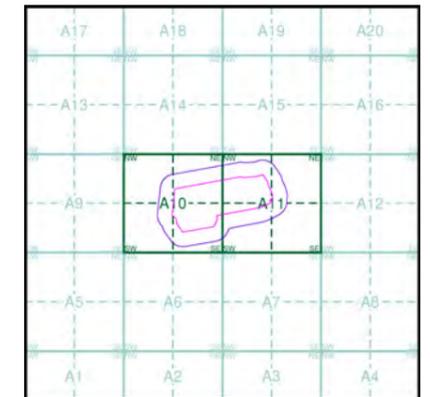
**Source map scale - 1:10,560**

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)**

038NW	1953	1:10,560
038SW	1953	1:10,560

**Historical Map - Slice A**



**Order Details**

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 1000

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Monmouthshire

Published 1954

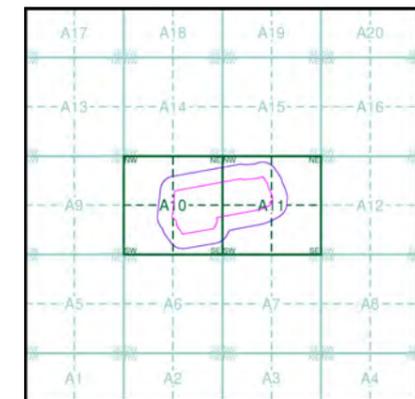
Source map scale - 1:10,560

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)

033NE
1954
1:10,560

Historical Map - Slice A



Order Details

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 1000

Site Details

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## Ordnance Survey Plan

Published 1964

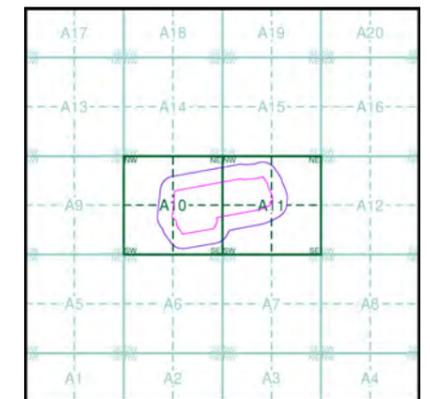
Source map scale - 1:10,000

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)

ST28NE	1964
1:10,560	
ST28SE	1964
1:10,560	

### Historical Map - Slice A

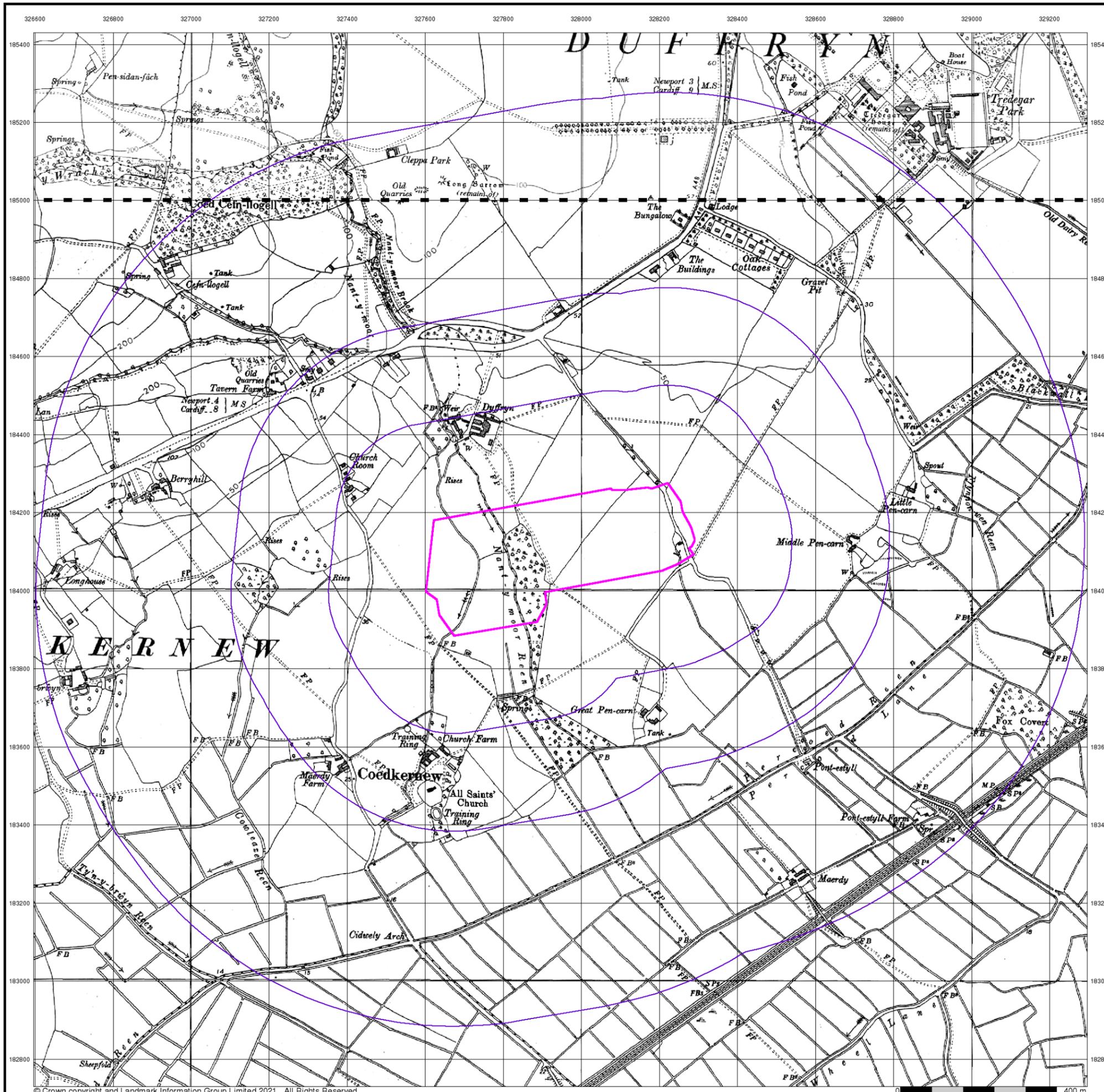


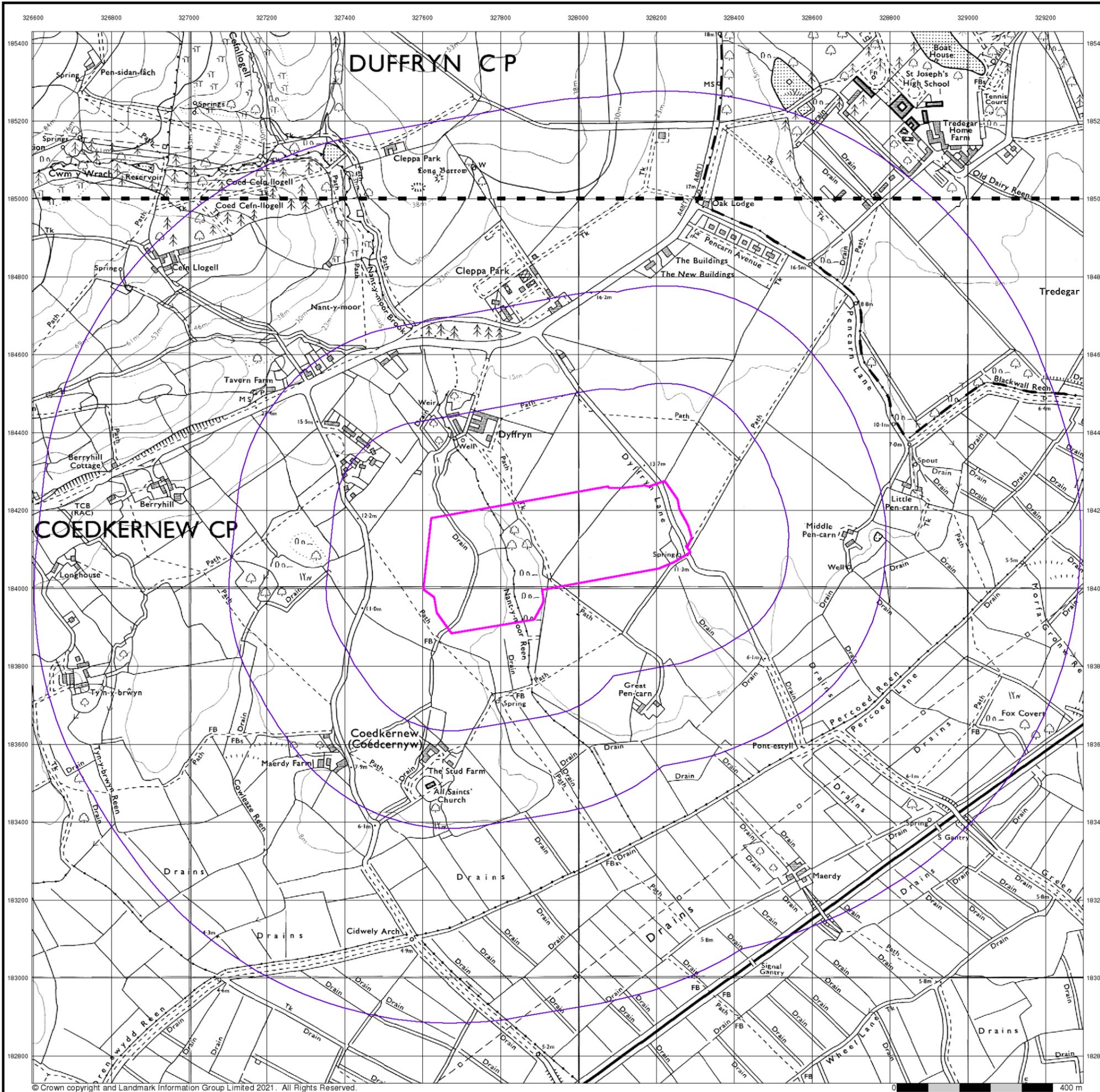
### Order Details

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
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 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 1000

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**Ordnance Survey Plan**

**Published 1970 - 1972**

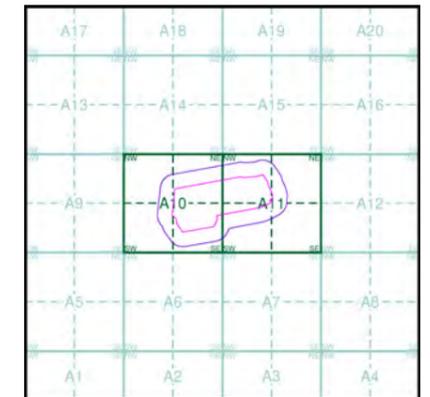
**Source map scale - 1:10,000**

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)**

ST28NE	1972	1:10,000
ST28SE	1970	1:10,000

**Historical Map - Slice A**



**Order Details**

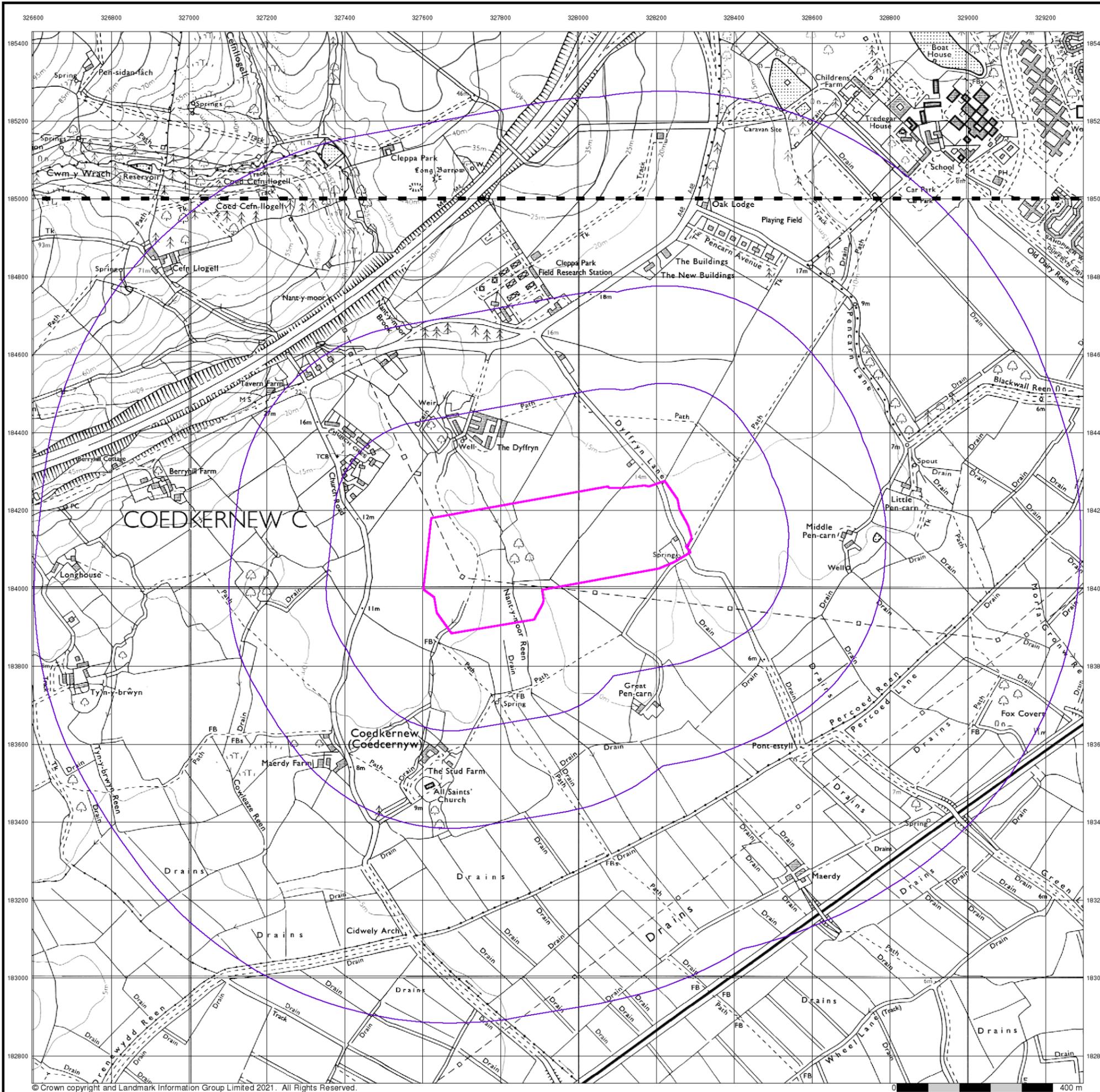
Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 1000

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**Ordnance Survey Plan**

**Published 1982 - 1989**

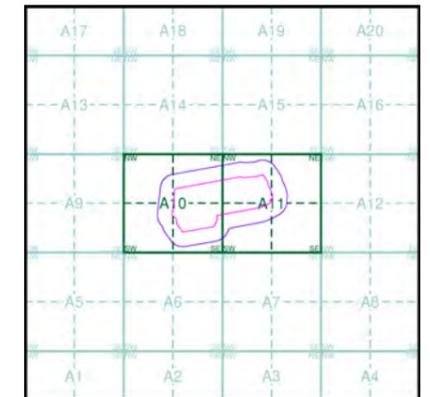
**Source map scale - 1:10,000**

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)**

ST28NE	1982	1:10,000
ST28SE	1989	1:10,000

**Historical Map - Slice A**



**Order Details**

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 1000

**Site Details**

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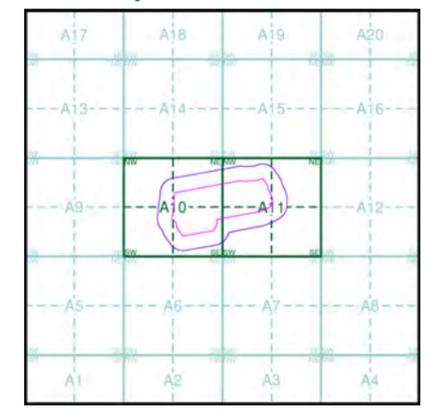
**Newport**  
**Published 1983**  
**Source map scale - 1:10,000**

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)**

ST28NE	1983	1:10,000
ST28SE	1983	1:10,000

**Russian Map - Slice A**

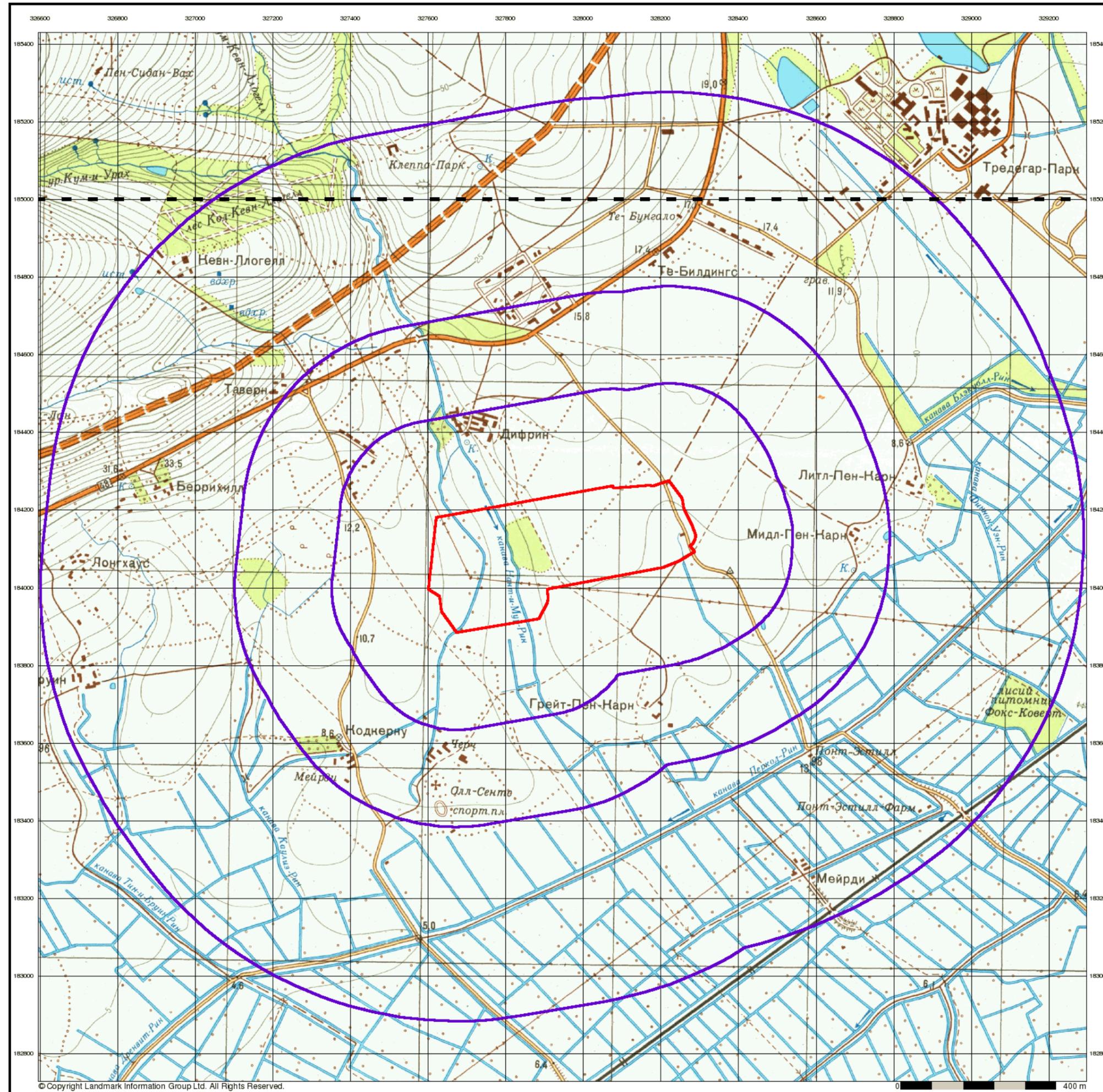


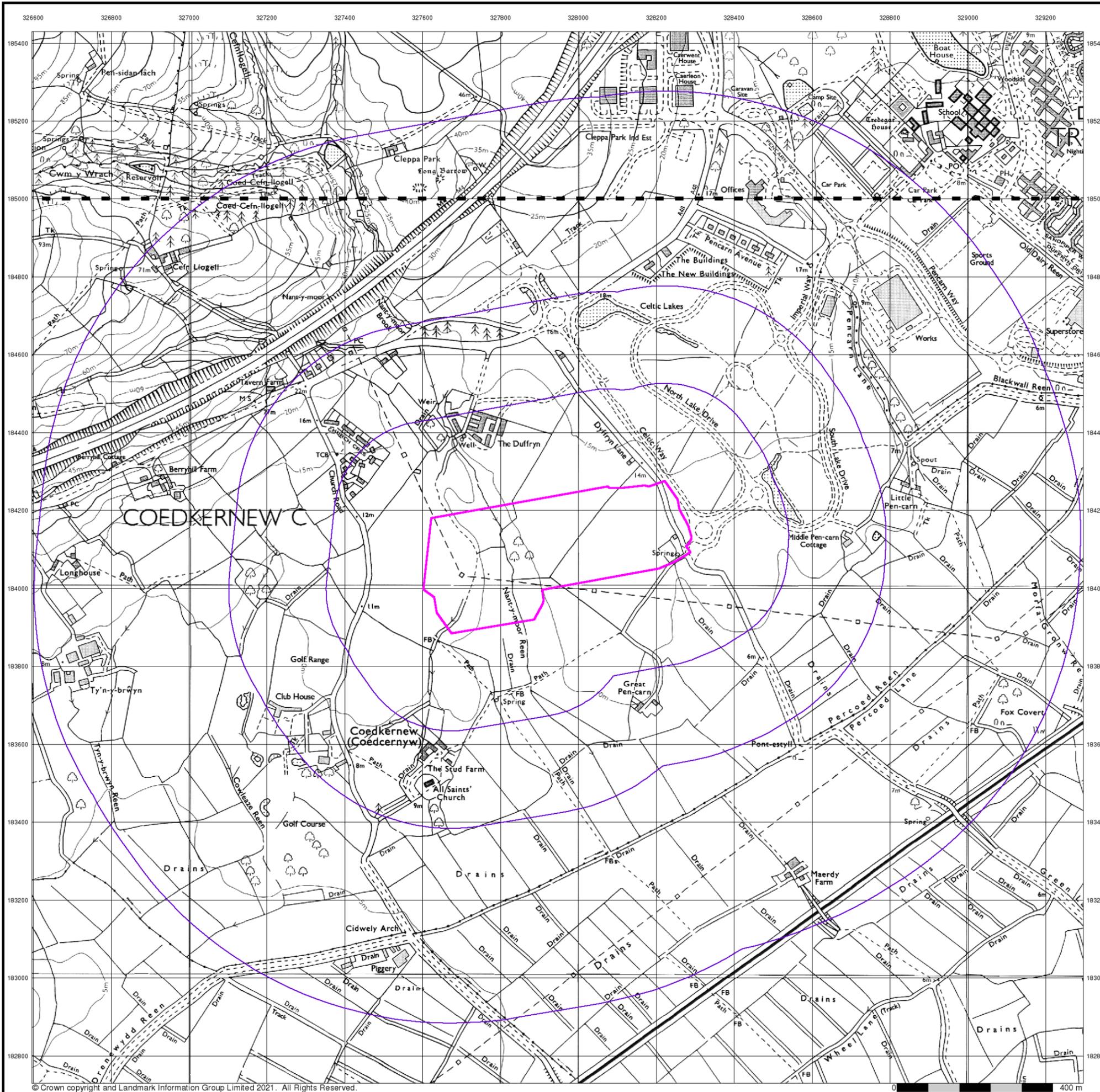
**Order Details**

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 1000

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**Ordnance Survey Plan**

**Published 1992 - 1996**

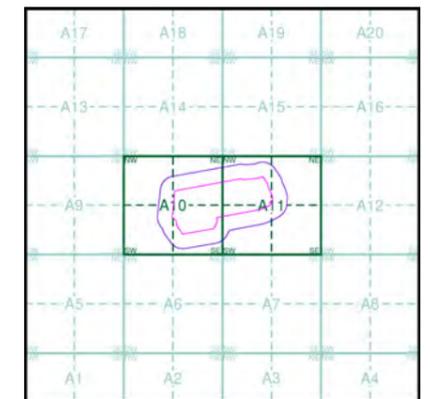
**Source map scale - 1:10,000**

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 overlaid 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)**

ST28NE	1992	1:10,000
ST28SE	1996	1:10,000

**Historical Map - Slice A**



**Order Details**

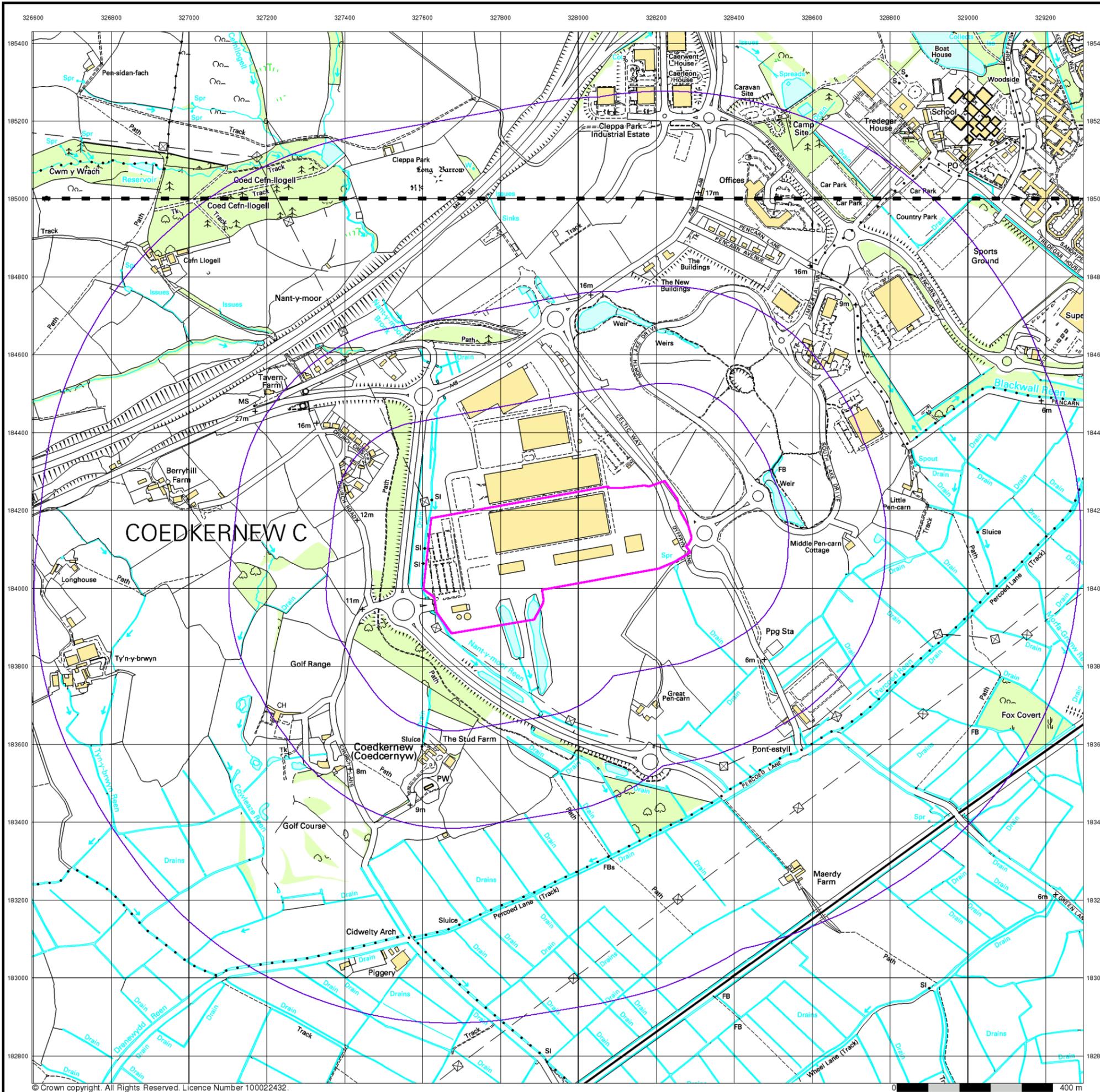
Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 1000

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**10k Raster Mapping**

**Published 1999**

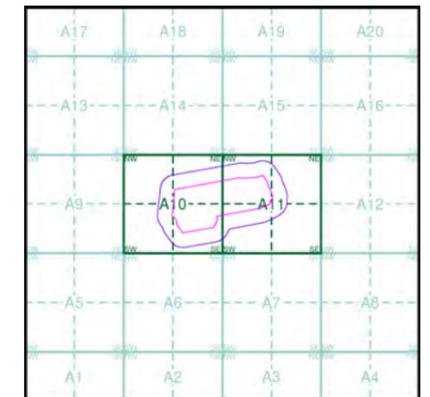
**Source map scale - 1:10,000**

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)**

ST28NE	1999	1:10,000
ST28SE	1999	1:10,000

**Historical Map - Slice A**



**Order Details**

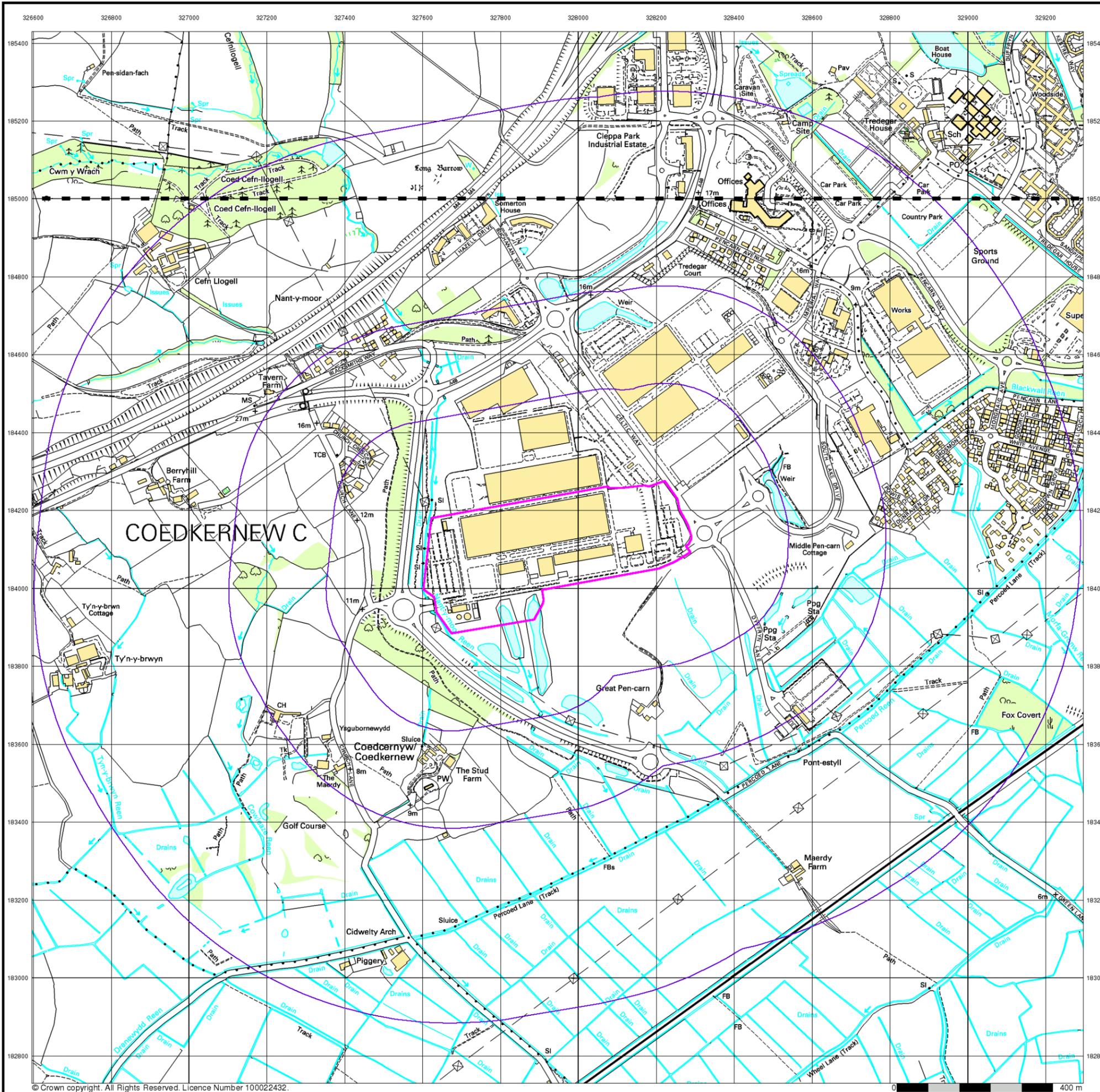
Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 1000

**Site Details**

Newport Quinn SDD RFO, Celtic Way, Celtic Lakes, NEWPORT, NP10 8BE

**Landmark**  
 INFORMATION GROUP

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



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**10k Raster Mapping**

**Published 2006**

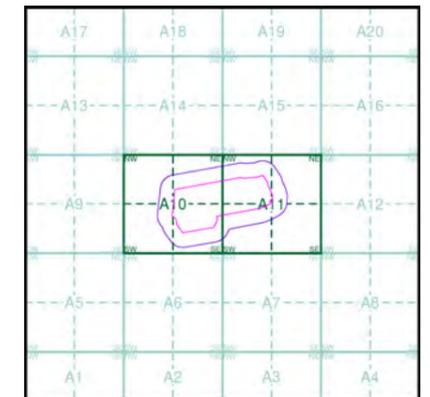
**Source map scale - 1:10,000**

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)**

ST28NE	2006	1:10,000
ST28SE	2006	1:10,000

**Historical Map - Slice A**



**Order Details**

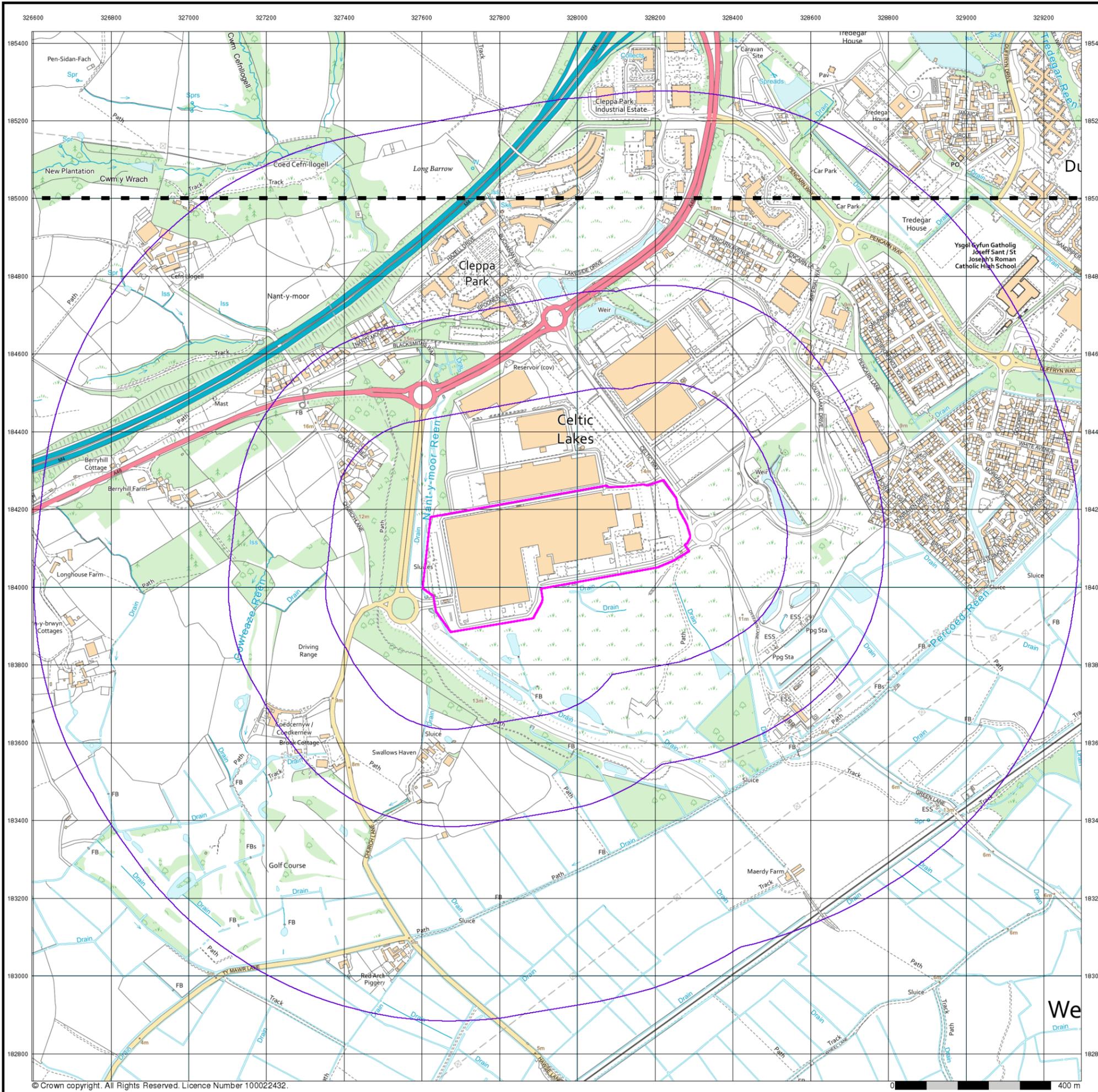
Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 1000

**Site Details**

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### VectorMap Local

Published 2021

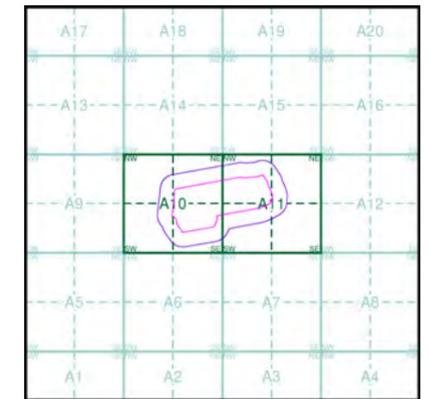
Source map scale - 1:10,000

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)

- ST28NE | 2021 | Variable
- ST28SE | 2021 | Variable

### Historical Map - Slice A



### Order Details

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 1000

### Site Details

Newport Quinn SDD RFO, Celtic Way, Celtic Lakes, NEWPORT, NP10 8BE

# Historical Mapping Legends

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

**Quarry**   **Gravel Pit**   **Sand Pit**  
**Clay Pit**   **Shingle**   **Refuse Heap**  
**Sloping Masonry**   **Flat Rock**  
**Marsh**   **Reeds**   **Osiers**  
**Rough Pasture**   **Furze**   **Wood**  
**Mixed Wood**   **Brushwood**   **Orchard**  
**Fir**   **Ford**   **Stepping Stones**  
**Ferry**   **Waterfall**   **Lock**  
**Trig. Station**   **Altitude at Trig. Station**  
**B.M. 325.9**   **Bench Mark**   **Surface Level**  
**Arrow denotes flow of water**   **Antiquities (site of)**  
**Cutting**   **Embankment**  
**Railway crossing Road**   **Level Crossing**   **Road crossing Railway**  
**Railway crossing River or Canal**   **Road over single stream**   **Road over River or Canal**  
**County Boundary (Geographical)**  
**County & Civil Parish Boundary**  
**Administrative County & Civil Parish Boundary**  
**County Borough Boundary (England)**  
**Co. Boro. Bdy.**  
**County Burgh Boundary (Scotland)**  
**Boundary Post or Stone**   **Police Call Box**  
**B.R.**   **Bridle Road**   **P**   **Pump**  
**E.P.**   **Electricity Pylon**   **S.P.**   **Signal Post**  
**F.B.**   **Foot Bridge**   **Sl.**   **Sluice**  
**F.P.**   **Foot Path**   **Sp.**   **Spring**  
**G.P.**   **Guide Post or Board**   **T.C.B.**   **Telephone Call Box**  
**M.S.**   **Mile Stone**   **Tr.**   **Trough**  
**M.P. M.R.**   **Mooring Post or Ring**   **W**   **Well**

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

**Inactive Quarry, Chalk Pit or Clay Pit**   **Active Quarry, Chalk Pit or Clay Pit**  
**Rock**   **Boulders**  
**Cliff**   **Slopes**   **Top**  
**Roofed Building**   **Glazed Roof Building**  
**Sloping Masonry**   **Archway**  
**Non-Coniferous Tree (surveyed)**   **Coniferous Tree (surveyed)**  
**Non-Coniferous Trees (not surveyed)**   **Coniferous Trees (not surveyed)**  
**Orchard Tree**   **Scrub**   **Bracken**  
**Coppice, Osier**   **Reeds**   **Marsh, Saltings**  
**Rough Grassland**   **Heath**   **Culvert**  
**Direction of water flow**   **Bench Mark**   **Antiquity (site of)**  
**Cave Entrance**   **Triangulation Station**   **Electricity Pylon**  
**Electricity Transmission Line**  
**County Boundary (Geographical)**  
**County & Civil Parish Boundary**  
**Civil Parish Boundary**  
**Admin. County or County Bor. Boundary**  
**London Borough Boundary**  
**Symbol marking point where boundary mereing changes**  
**BH**   **Beer House**   **P**   **Pillar, Pole or Post**  
**BP, BS**   **Boundary Post or Stone**   **PO**   **Post Office**  
**Cn, C**   **Capstan, Crane**   **PC**   **Public Convenience**  
**Chy**   **Chimney**   **PH**   **Public House**  
**D Fn**   **Drinking Fountain**   **Pp**   **Pump**  
**EI P**   **Electricity Pillar or Post**   **SB, S Br**   **Signal Box or Bridge**  
**FAP**   **Fire Alarm Pillar**   **SP, SL**   **Signal Post or Light**  
**FB**   **Foot Bridge**   **Spr**   **Spring**  
**GP**   **Guide Post**   **Tk**   **Tank or Track**  
**H**   **Hydrant or Hydraulic**   **TCB**   **Telephone Call Box**  
**LC**   **Level Crossing**   **TCP**   **Telephone Call Post**  
**MH**   **Manhole**   **Tr**   **Trough**  
**MP**   **Mile Post or Mooring Post**   **Wr Pt, Wr T**   **Water Point, Water Tap**  
**MS**   **Mile Stone**   **W**   **Well**  
**NTL**   **Normal Tidal Limit**   **Wd Pp**   **Wind Pump**

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

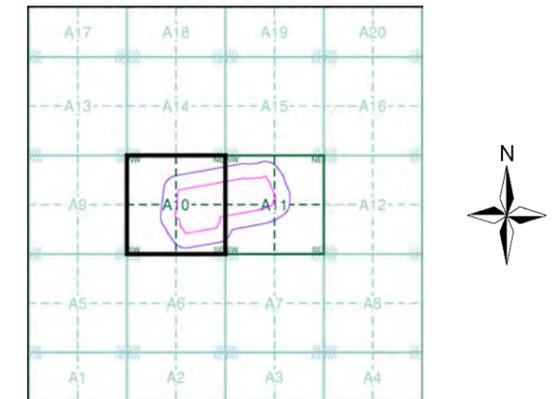
**Cliff**   **Slopes**   **Top**  
**Rock**   **Rock (scattered)**  
**Boulders**   **Boulders (scattered)**  
**Positioned Boulder**   **Scree**  
**Non-Coniferous Tree (surveyed)**   **Coniferous Tree (surveyed)**  
**Non-Coniferous Trees (not surveyed)**   **Coniferous Trees (not surveyed)**  
**Orchard Tree**   **Scrub**   **Bracken**  
**Coppice, Osier**   **Reeds**   **Marsh, Saltings**  
**Rough Grassland**   **Heath**   **Culvert**  
**Direction of water flow**   **Triangulation Station**   **Antiquity (site of)**  
**Electricity Transmission Line**   **Electricity Pylon**  
**Bench Mark**   **Buildings with Building Seed**  
**Roofed Building**   **Glazed Roof Building**  
**Civil parish/community boundary**  
**District boundary**  
**County boundary**  
**Boundary post/stone**  
**Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)**  
**Bks**   **Barracks**   **P**   **Pillar, Pole or Post**  
**Bty**   **Battery**   **PO**   **Post Office**  
**Cemy**   **Cemetery**   **PC**   **Public Convenience**  
**Chy**   **Chimney**   **Pp**   **Pump**  
**Cis**   **Cistern**   **Ppg Sta**   **Pumping Station**  
**Dismtd Rly**   **Dismantled Railway**   **PW**   **Place of Worship**  
**EI Gen Sta**   **Electricity Generating Station**   **Sewage Ppg Sta**   **Sewage Pumping Station**  
**EI P**   **Electricity Pole, Pillar**   **SB, S Br**   **Signal Box or Bridge**  
**EI Sub Sta**   **Electricity Sub Station**   **SP, SL**   **Signal Post or Light**  
**FB**   **Filter Bed**   **Spr**   **Spring**  
**Fn / D Fn**   **Fountain / Drinking Ftn.**   **Tk**   **Tank or Track**  
**Gas Gov**   **Gas Valve Compound**   **Tr**   **Trough**  
**GVC**   **Gas Governor**   **Wd Pp**   **Wind Pump**  
**GP**   **Guide Post**   **Wr Pt, Wr T**   **Water Point, Water Tap**  
**MH**   **Manhole**   **Wks**   **Works (building or area)**  
**MP, MS**   **Mile Post or Mile Stone**   **W**   **Well**

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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	1920	4
Ordnance Survey Plan	1:2,500	1966 - 1967	5
Supply of Unpublished Survey Information	1:2,500	1974	6
Additional SIMs	1:2,500	1979	7
Additional SIMs	1:2,500	1987	8
Additional SIMs	1:2,500	1990	9
Large-Scale National Grid Data	1:2,500	1993	10
Large-Scale National Grid Data	1:2,500	1994	11
Historical Aerial Photography	1:2,500	2000	12

## Historical Map - Segment A10



## Order Details

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 100

## Site Details

Newport Quinn SDD RFO, Celtic Way, Celtic Lakes, NEWPORT, NP10 8BE

Landmark  
INFORMATION GROUP

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

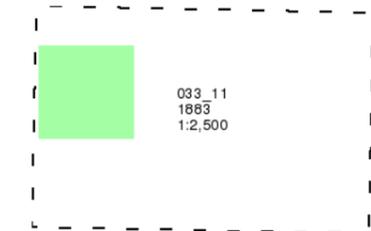
## Monmouthshire

Published 1883

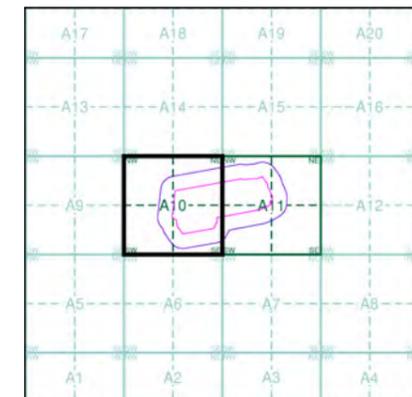
Source map scale - 1:2,500

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 A10

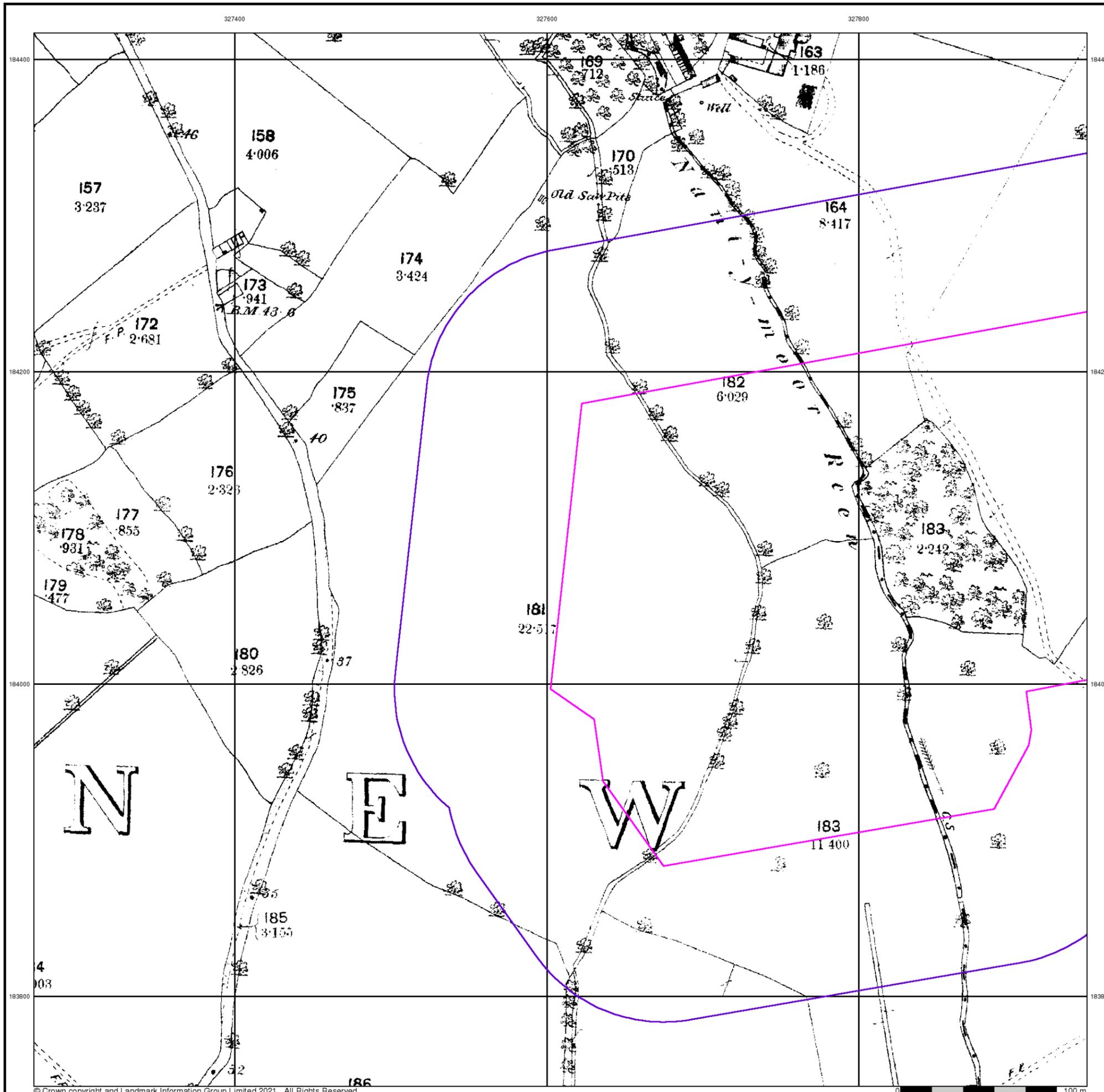


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Order Number: 278157460\_1\_1  
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 Site Area (Ha): 16.79  
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Newport Quinn SDD RFO, Celtic Way, Celtic Lakes,  
 NEWPORT, NP10 8BE



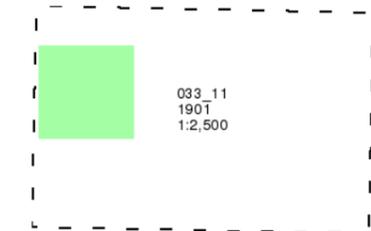
## Monmouthshire

Published 1901

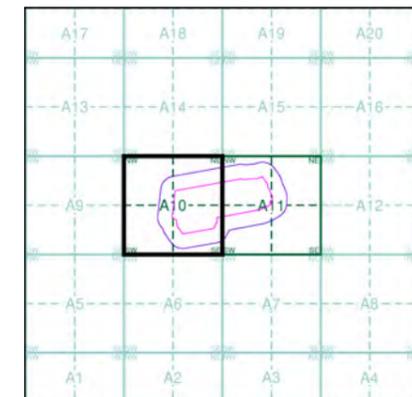
Source map scale - 1:2,500

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)



### Historical Map - Segment A10

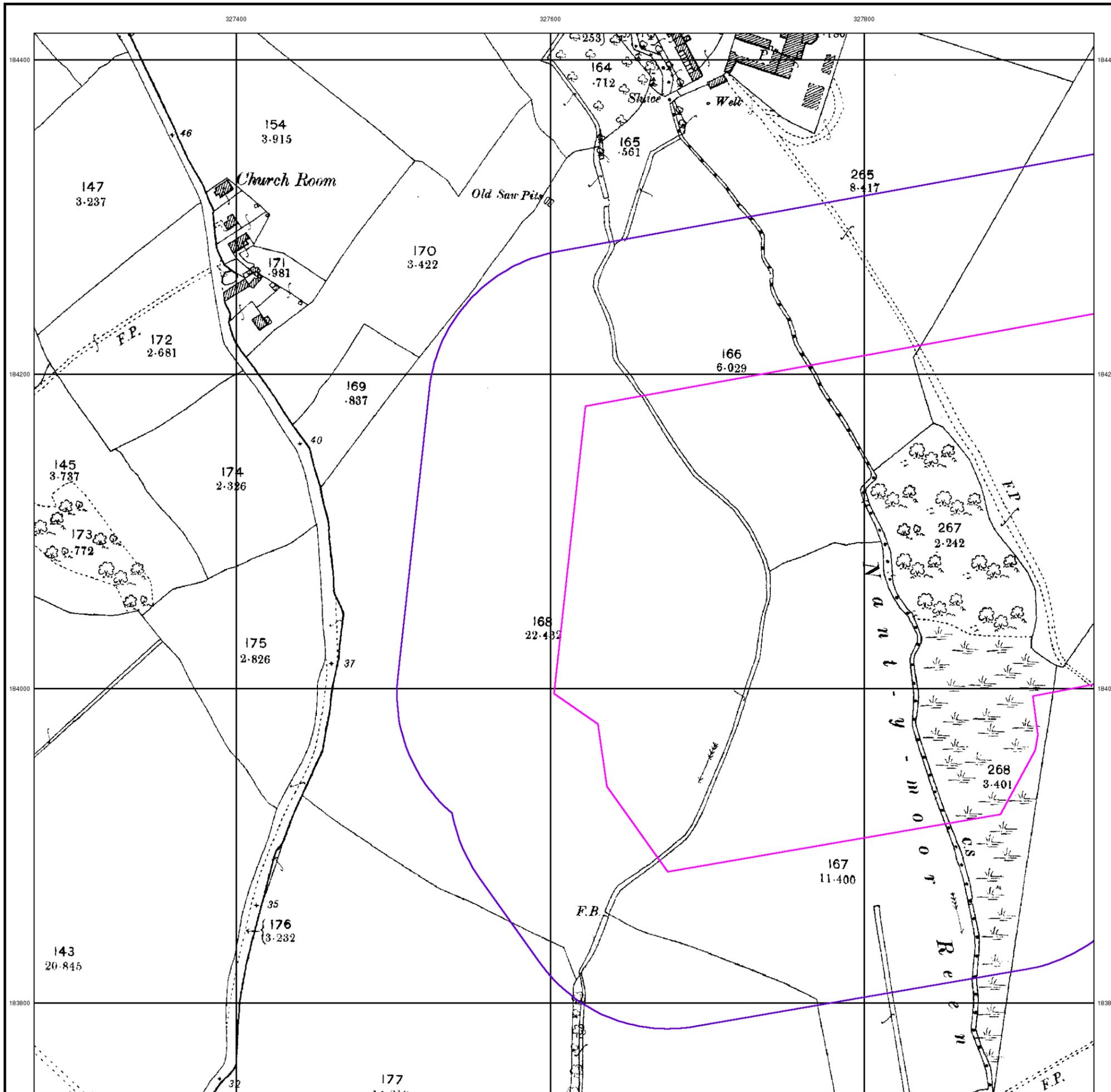


### Order Details

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 100

### Site Details

Newport Quinn SDD RFO, Celtic Way, Celtic Lakes,  
 NEWPORT, NP10 8BE



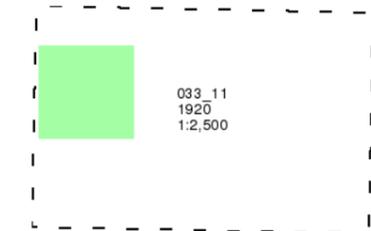
## Monmouthshire

Published 1920

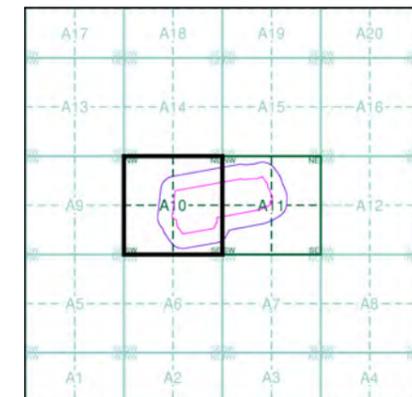
Source map scale - 1:2,500

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 A10

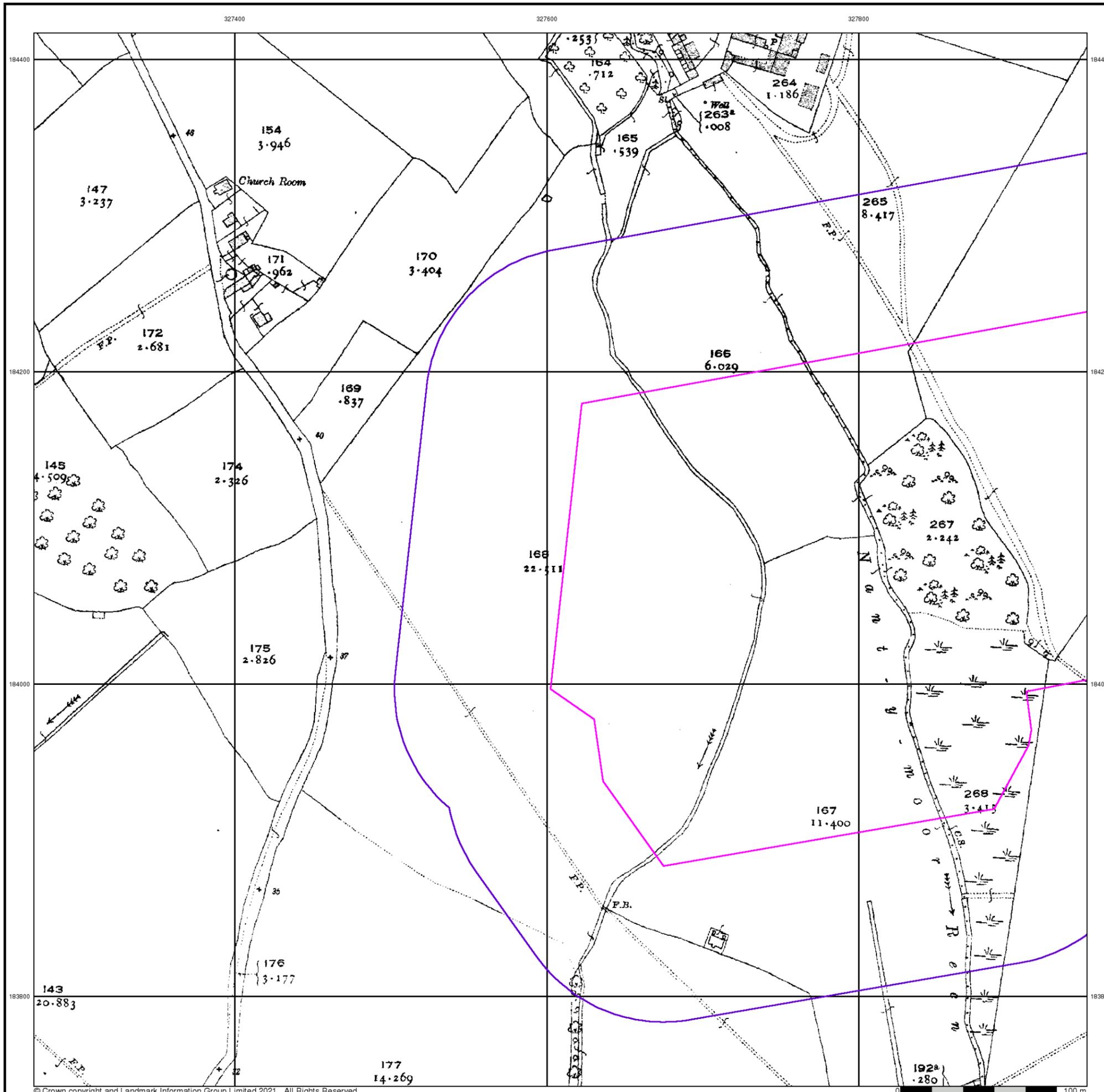


### Order Details

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 100

### Site Details

Newport Quinn SDD RFO, Celtic Way, Celtic Lakes,  
 NEWPORT, NP10 8BE



## Ordnance Survey Plan

Published 1966 - 1967

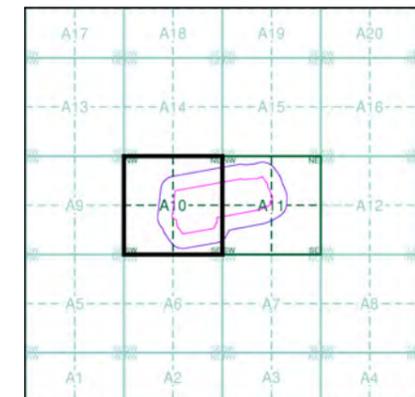
Source map scale - 1:2,500

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)

ST2784	1966	1:2,500
ST2783	1967	1:2,500

### Historical Map - Segment A10

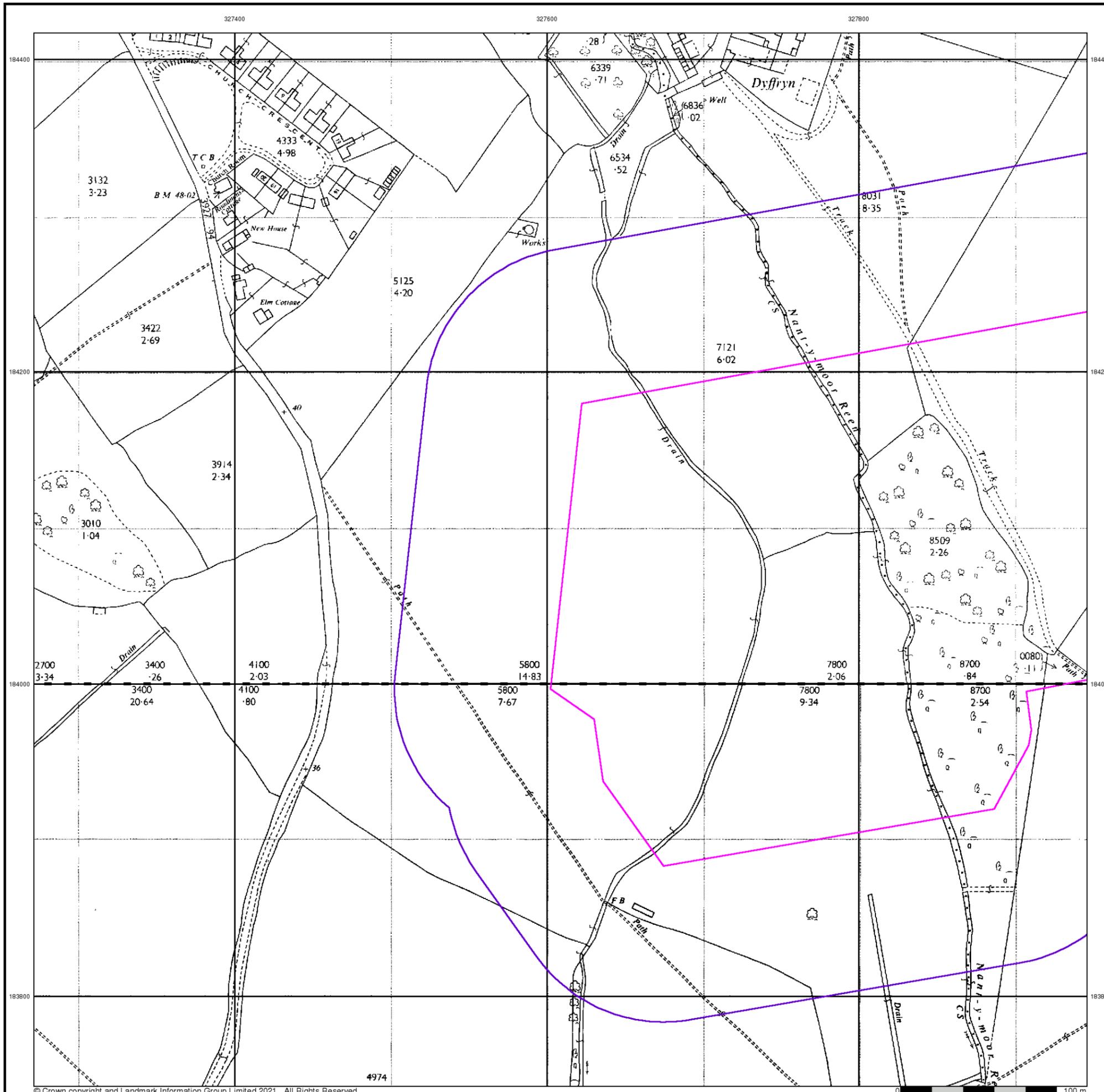


### Order Details

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 100

### Site Details

Newport Quinn SDD RFO, Celtic Way, Celtic Lakes,  
 NEWPORT, NP10 8BE



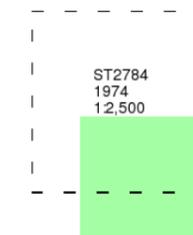
## Supply of Unpublished Survey Information

Published 1974

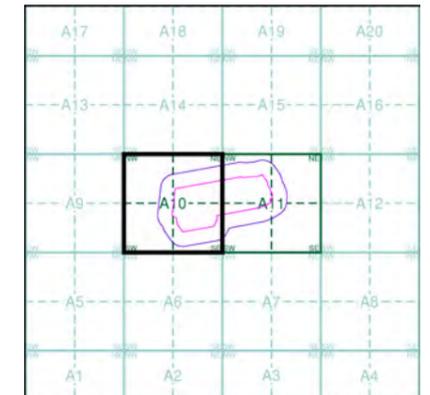
Source map scale - 1:2,500

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



### Order Details

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 100

### Site Details

Newport Quinn SDD RFO, Celtic Way, Celtic Lakes, NEWPORT, NP10 8BE



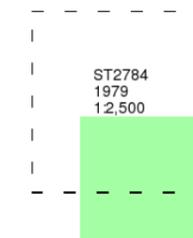
## Additional SIMs

Published 1979

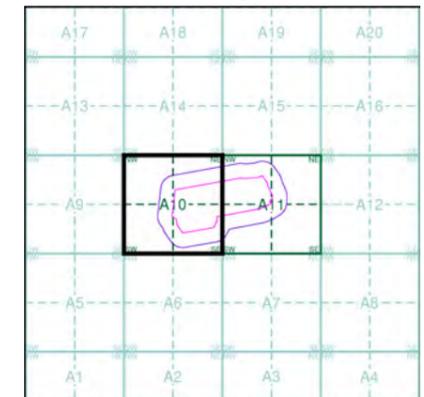
Source map scale - 1:2,500

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

## Map Name(s) and Date(s)



## Historical Map - Segment A10

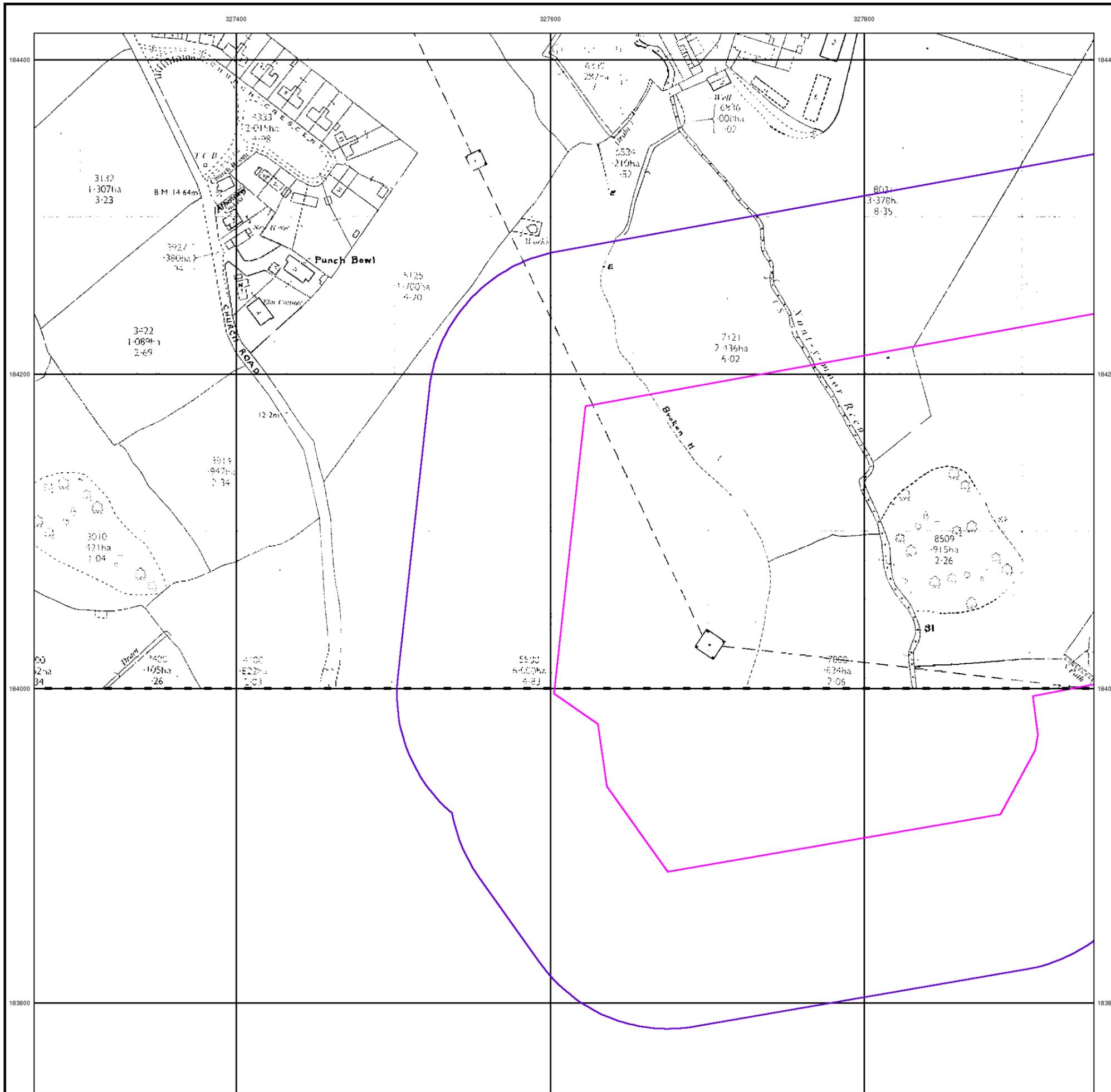


## Order Details

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 100

## Site Details

Newport Quinn SDD RFO, Celtic Way, Celtic Lakes,  
 NEWPORT, NP10 8BE



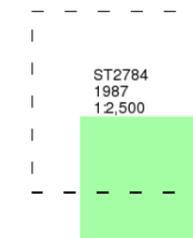
## Additional SIMs

Published 1987

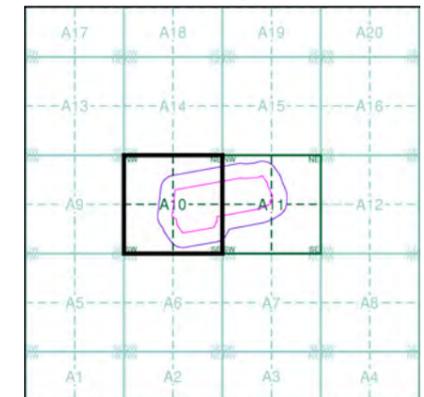
Source map scale - 1:2,500

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

## Map Name(s) and Date(s)



## Historical Map - Segment A10

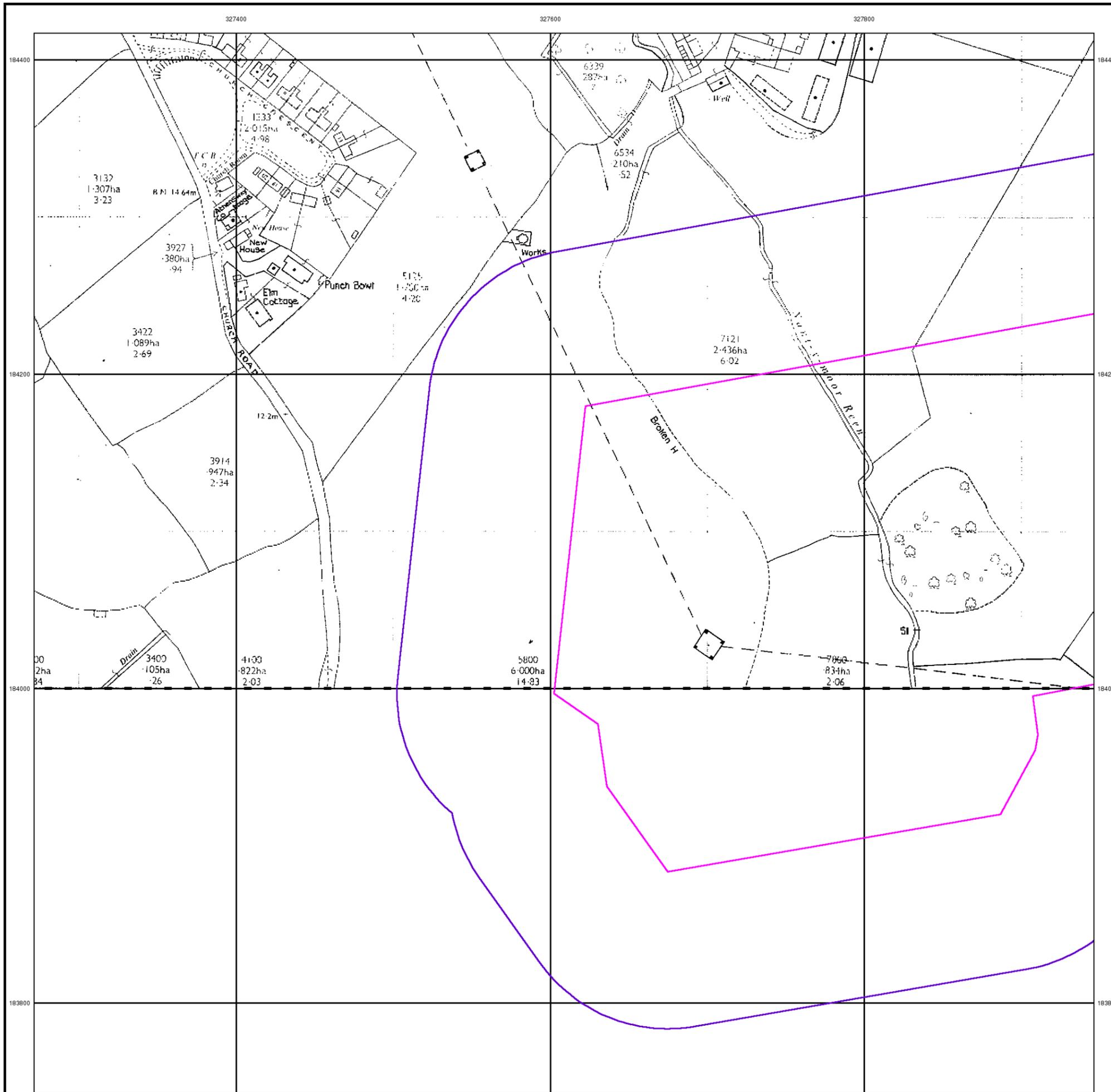


## Order Details

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
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## Site Details

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 NEWPORT, NP10 8BE



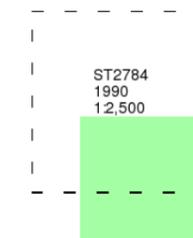
## Additional SIMs

Published 1990

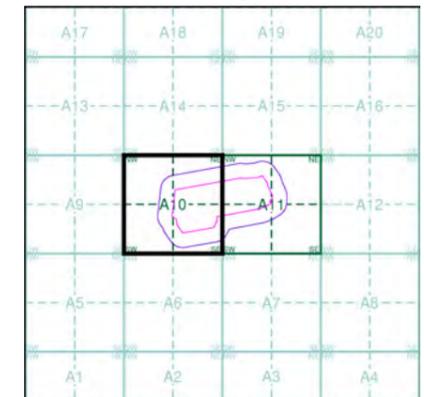
Source map scale - 1:2,500

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

## Map Name(s) and Date(s)



## Historical Map - Segment A10

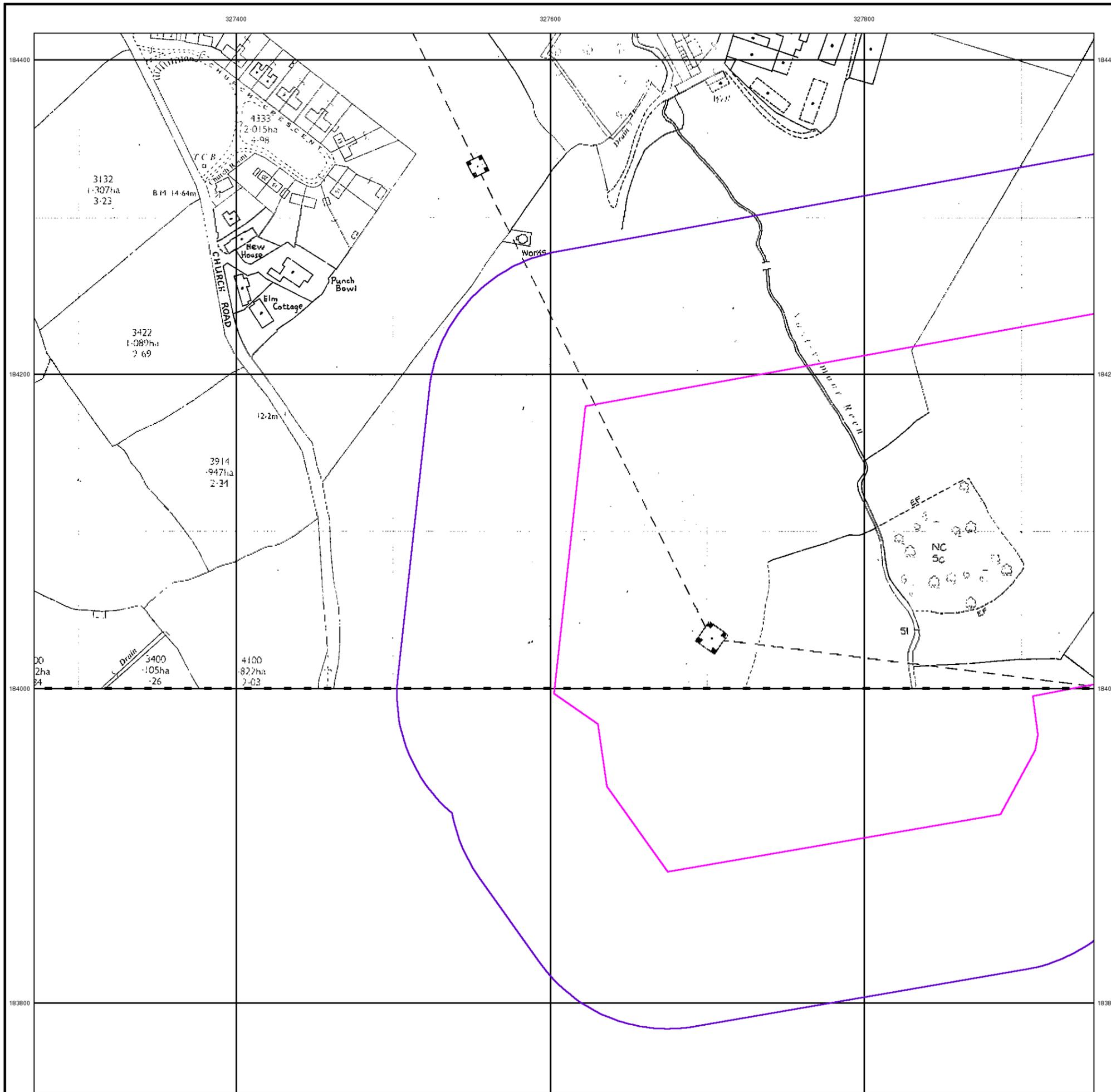


## Order Details

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 100

## Site Details

Newport Quinn SDD RFO, Celtic Way, Celtic Lakes,  
 NEWPORT, NP10 8BE



## Large-Scale National Grid Data

Published 1993

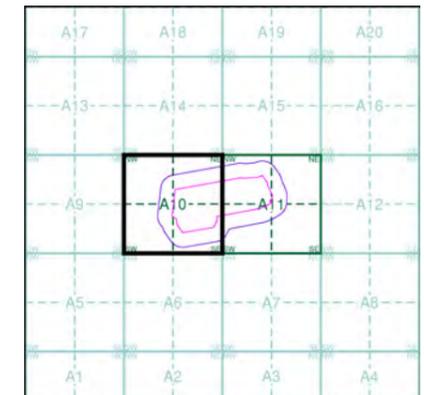
Source map scale - 1:2,500

'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)

ST2784	1993	1:2,500
ST2783	1993	1:2,500

### Historical Map - Segment A10

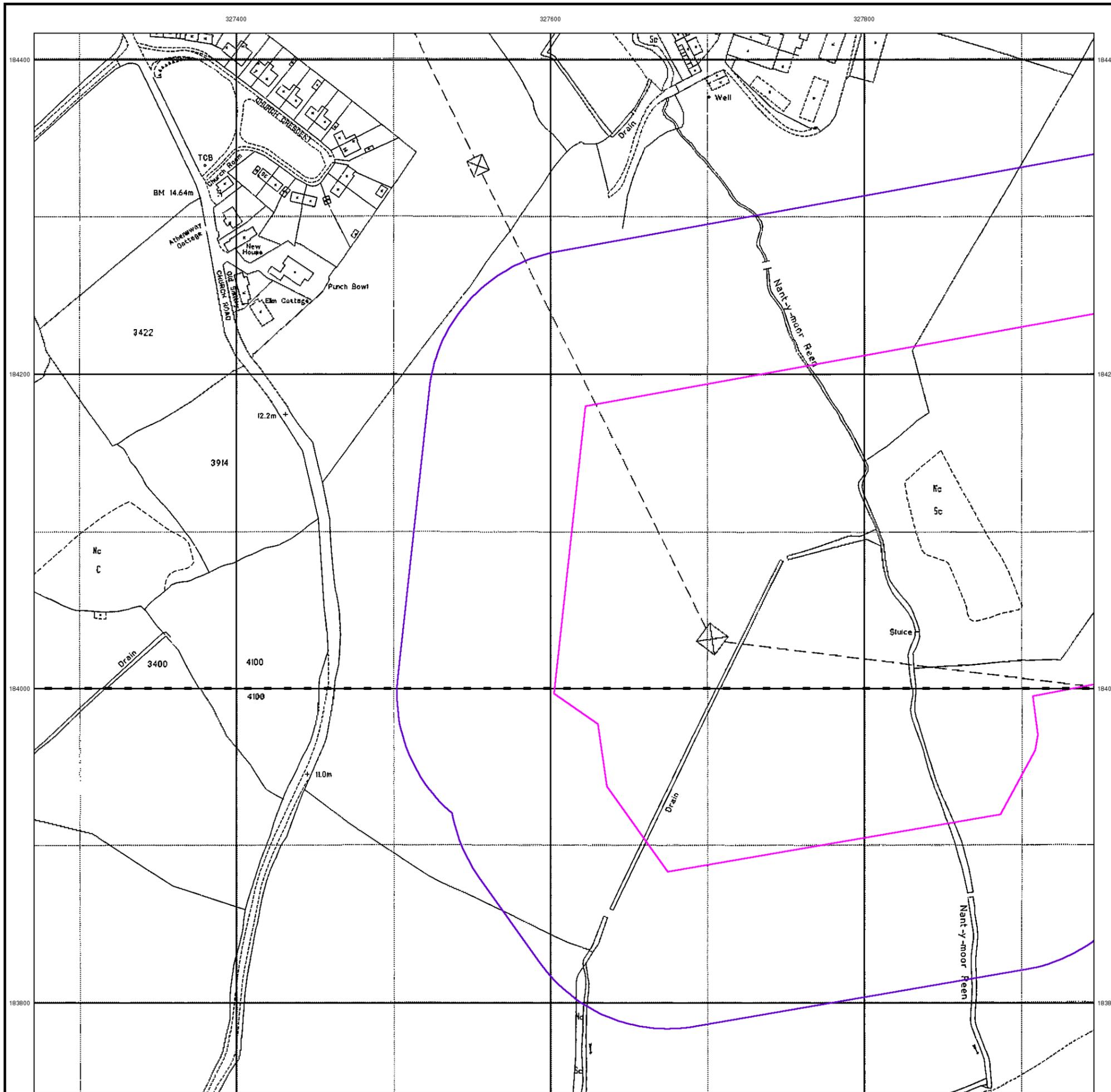


### Order Details

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 100

### Site Details

Newport Quinn SDD RFO, Celtic Way, Celtic Lakes,  
 NEWPORT, NP10 8BE



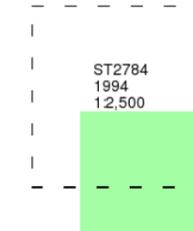
## Large-Scale National Grid Data

Published 1994

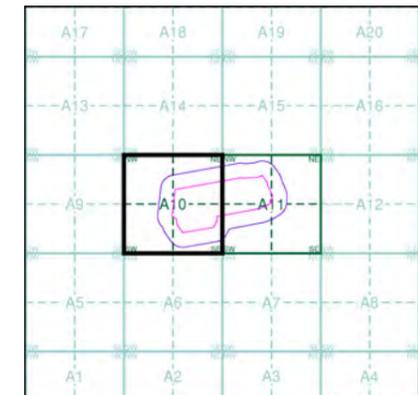
Source map scale - 1:2,500

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

### Map Name(s) and Date(s)



### Historical Map - Segment A10



### Order Details

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 100

### Site Details

Newport Quinn SDD RFO, Celtic Way, Celtic Lakes,  
 NEWPORT, NP10 8BE

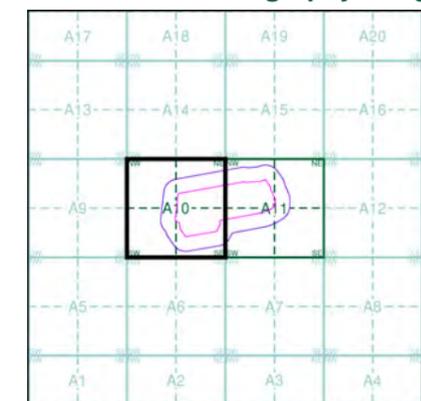


**Historical Aerial Photography**

**Published 2000**

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: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 100

**Site Details**

Newport Quinn SDD RFO, Celtic Way, Celtic Lakes, NEWPORT, NP10 8BE



# Historical Mapping Legends

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

**Quarry** **Gravel Pit** **Sand Pit**  
**Clay Pit** **Shingle** **Refuse Heap**  
**Sloping Masonry** **Flat Rock**  
**Marsh** **Reeds** **Osiers**  
**Rough Pasture** **Furze** **Wood**  
**Mixed Wood** **Brushwood** **Orchard**  
**Fir** **Ford** **Stepping Stones**  
**Ferry** **Waterfall** **Lock**  
**Trig. Station** **Altitude at Trig. Station**  
**B.M. 325.9** **Bench Mark** **Surface Level**  
**Arrow denotes flow of water** **Antiquities (site of)**  
**Cutting** **Embankment**  
**Railway crossing Road** **Level Crossing** **Road crossing Railway**  
**Railway crossing River or Canal** **Road over single stream** **Road over River or Canal**  
**County Boundary (Geographical)**  
**County & Civil Parish Boundary**  
**Administrative County & Civil Parish Boundary**  
**County Borough Boundary (England)**  
**County Burgh Boundary (Scotland)**  
**Boundary Post or Stone** **Police Call Box**  
**B.R. Bridle Road** **Pump**  
**E.P. Electricity Pylon** **S.P. Signal Post**  
**F.B. Foot Bridge** **Sl. Sluice**  
**F.P. Foot Path** **Sp. Spring**  
**G.P. Guide Post or Board** **T.C.B. Telephone Call Box**  
**M.S. Mile Stone** **Tr. Trough**  
**M.P. M.R. Mooring Post or Ring** **W. Well**

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

**Inactive Quarry, Chalk Pit or Clay Pit** **Active Quarry, Chalk Pit or Clay Pit**  
**Rock** **Boulders**  
**Cliff** **Slopes** **Top**  
**Roofed Building** **Glazed Roof Building**  
**Sloping Masonry** **Archway**  
**Non-Coniferous Tree (surveyed)** **Coniferous Tree (surveyed)**  
**Non-Coniferous Trees (not surveyed)** **Coniferous Trees (not surveyed)**  
**Orchard Tree** **Scrub** **Bracken**  
**Coppice, Osier** **Reeds** **Marsh, Saltings**  
**Rough Grassland** **Heath** **Culvert**  
**Direction of water flow** **Bench Mark** **Antiquity (site of)**  
**Cave Entrance** **Triangulation Station** **Electricity Pylon**  
**Electricity Transmission Line**  
**County Boundary (Geographical)**  
**County & Civil Parish Boundary**  
**Civil Parish Boundary**  
**Admin. County or County Bor. Boundary**  
**London Borough Boundary**  
**Symbol marking point where boundary mereing changes**  
**BH Beer House** **P Pillar, Pole or Post**  
**BP, BS Boundary Post or Stone** **PO Post Office**  
**Cn, C Capstan, Crane** **PC Public Convenience**  
**Chy Chimney** **PH Public House**  
**D Fn Drinking Fountain** **Pp Pump**  
**EI P Electricity Pillar or Post** **SB, S Br Signal Box or Bridge**  
**FAP Fire Alarm Pillar** **SP, SL Signal Post or Light**  
**FB Foot Bridge** **Spr Spring**  
**GP Guide Post** **Tk Tank or Track**  
**H Hydrant or Hydraulic** **TCB Telephone Call Box**  
**LC Level Crossing** **TCP Telephone Call Post**  
**MH Manhole** **Tr Trough**  
**MP Mile Post or Mooring Post** **Wr Pt, Wr T Water Point, Water Tap**  
**MS Mile Stone** **W Well**  
**NTL Normal Tidal Limit** **Wd Pp Wind Pump**

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

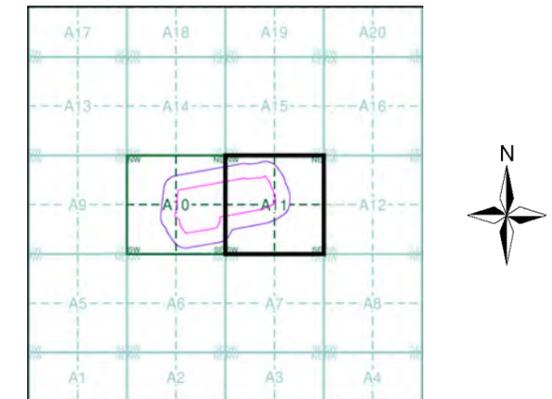
**Cliff** **Slopes** **Top**  
**Rock** **Rock (scattered)**  
**Boulders** **Boulders (scattered)**  
**Positioned Boulder** **Scree**  
**Non-Coniferous Tree (surveyed)** **Coniferous Tree (surveyed)**  
**Non-Coniferous Trees (not surveyed)** **Coniferous Trees (not surveyed)**  
**Orchard Tree** **Scrub** **Bracken**  
**Coppice, Osier** **Reeds** **Marsh, Saltings**  
**Rough Grassland** **Heath** **Culvert**  
**Direction of water flow** **Triangulation Station** **Antiquity (site of)**  
**Electricity Transmission Line** **Electricity Pylon**  
**B.M. 231.60m Bench Mark** **Buildings with Building Seed**  
**Roofed Building** **Glazed Roof Building**  
**Civil parish/community boundary**  
**District boundary**  
**County boundary**  
**Boundary post/stone**  
**Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)**  
**Bks Barracks** **P Pillar, Pole or Post**  
**Bty Battery** **PO Post Office**  
**Cemy Cemetery** **PC Public Convenience**  
**Chy Chimney** **Pp Pump**  
**Cis Cistern** **Ppg Sta Pumping Station**  
**Dismtd Rly Dismantled Railway** **PW Place of Worship**  
**EI Gen Sta Electricity Generating Station** **Sewage Ppg Sta Sewage Pumping Station**  
**EI P Electricity Pole, Pillar** **SB, S Br Signal Box or Bridge**  
**EI Sub Sta Electricity Sub Station** **SP, SL Signal Post or Light**  
**FB Filter Bed** **Spr Spring**  
**Fn / D Fn Fountain / Drinking Ftn.** **Tk Tank or Track**  
**Gas Gov Gas Valve Compound** **Tr Trough**  
**GVC Gas Governor** **Wd Pp Wind Pump**  
**GP Guide Post** **Wr Pt, Wr T Water Point, Water Tap**  
**MH Manhole** **Wks Works (building or area)**  
**MP, MS Mile Post or Mile Stone** **W Well**

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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	1920	4
Ordnance Survey Plan	1:2,500	1966 - 1967	5
Supply of Unpublished Survey Information	1:2,500	1974	6
Additional SIMs	1:2,500	1979 - 1987	7
Additional SIMs	1:2,500	1987	8
Additional SIMs	1:2,500	1990	9
Large-Scale National Grid Data	1:2,500	1993	10
Large-Scale National Grid Data	1:2,500	1994	11
Large-Scale National Grid Data	1:2,500	1996	12
Historical Aerial Photography	1:2,500	2000	13

## Historical Map - Segment A11



## Order Details

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 100

## Site Details

Newport Quinn SDD RFO, Celtic Way, Celtic Lakes, NEWPORT, NP10 8BE

Landmark  
INFORMATION GROUP

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

## Index Map

For ease of identification, your site and buffer have been split into Slices, Segments and Quadrants. These are illustrated on the Index Map opposite and explained further below.

### Slice

Each slice represents a 1:10,000 plot area (2.7km x 2.7km) for your site and buffer. A large site and buffer may be made up of several slices (represented by a red outline), that are referenced by letters of the alphabet, starting from the bottom left corner of the slice "grid". This grid does not relate to National Grid lines but is designed to give best fit over the site and buffer.

### Segment

A segment represents a 1:2,500 plot area. Segments that have plot files associated with them are shown in dark green, others in light blue. These are numbered from the bottom left hand corner within each slice.

### Quadrant

A quadrant is a quarter of a segment. These are labelled as NW, NE, SW, SE and are referenced in the datasheet to allow features to be quickly located on plots. Therefore a feature that has a quadrant reference of A7NW will be in Slice A, Segment 7 and the NW Quadrant.

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

## Client Details

Mr J Booth, Geotechnics Ltd, The Geotechnical Centre,  
Unit 1 Borders Industrial Park, River Lane, Saltney, CH4  
8RJ

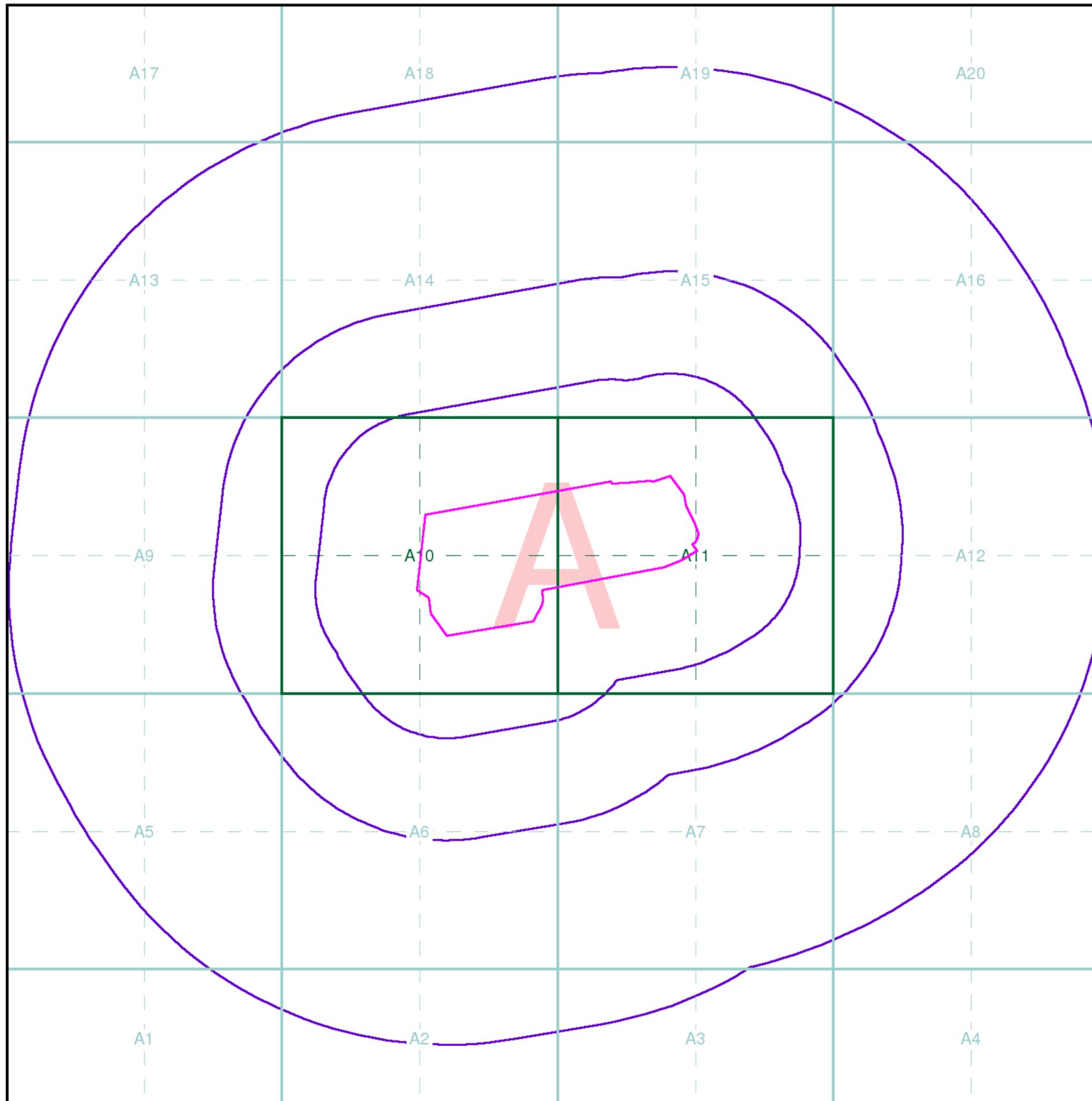
## Order Details

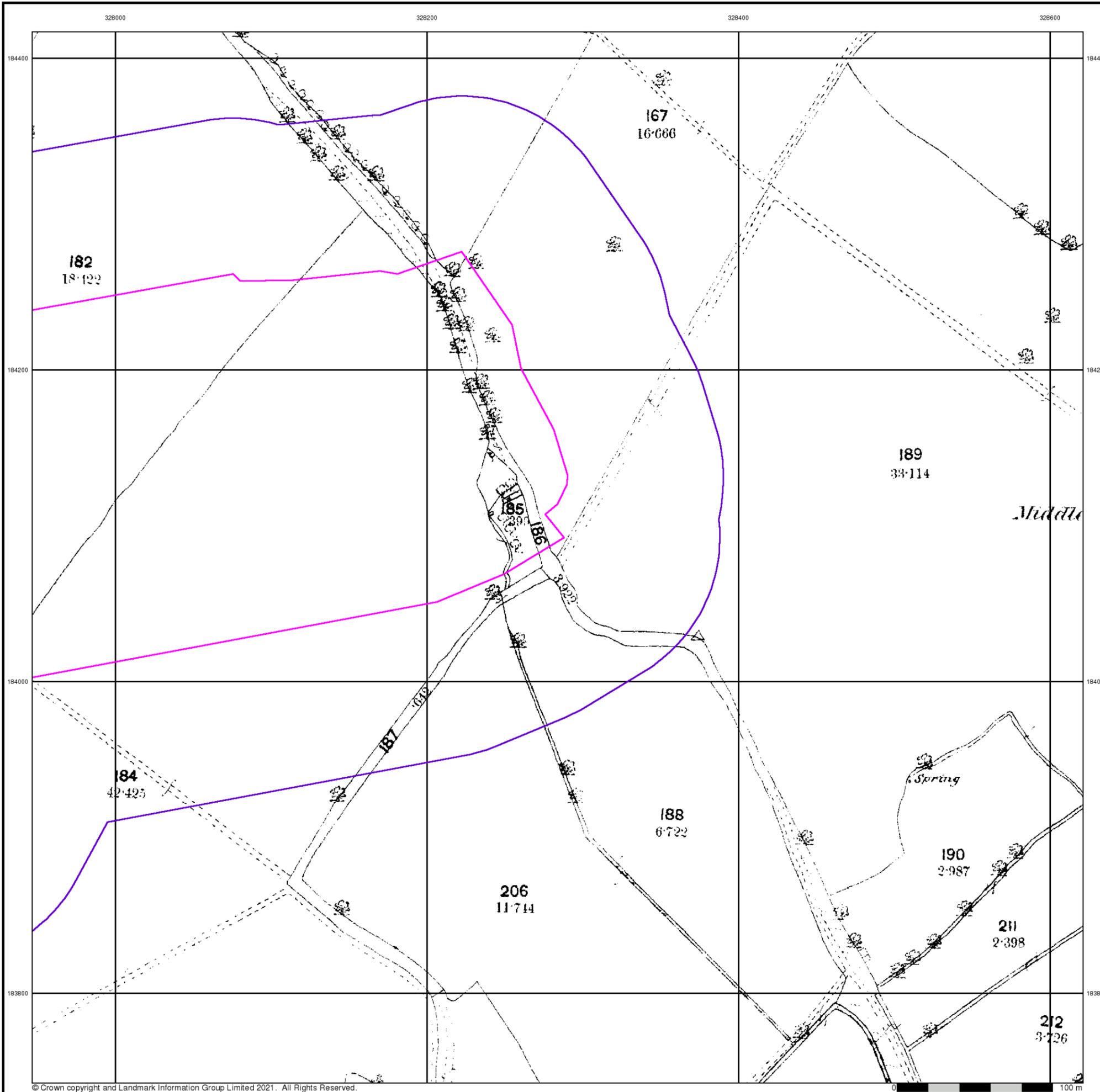
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Customer Ref: PN214233  
National Grid Reference: 327920, 184100  
Site Area (Ha): 16.79  
Search Buffer (m): 1000

## Site Details

Newport Quinn SDD RFO, Celtic Way, Celtic Lakes,  
NEWPORT, NP10 8BE

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<http://www.landmarkinfo.co.uk/Terms/Show/515>





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**geotechnics**

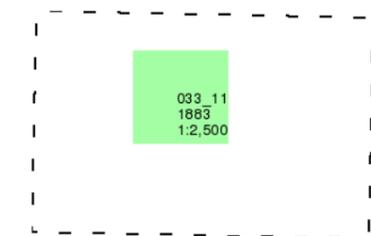
**Monmouthshire**

**Published 1883**

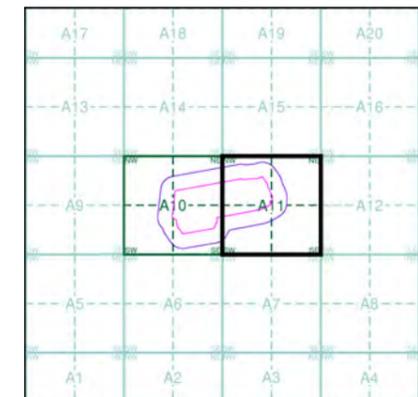
**Source map scale - 1:2,500**

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: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 100

**Site Details**

Newport Quinn SDD RFO, Celtic Way, Celtic Lakes, NEWPORT, NP10 8BE

**Landmark**  
 INFORMATION GROUP

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

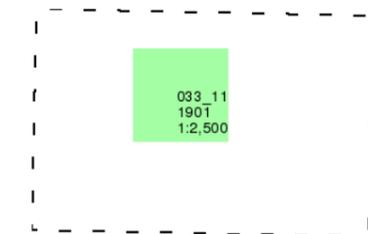
## Monmouthshire

Published 1901

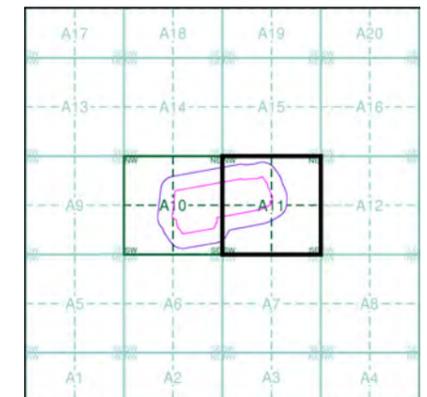
Source map scale - 1:2,500

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)



### Historical Map - Segment A11

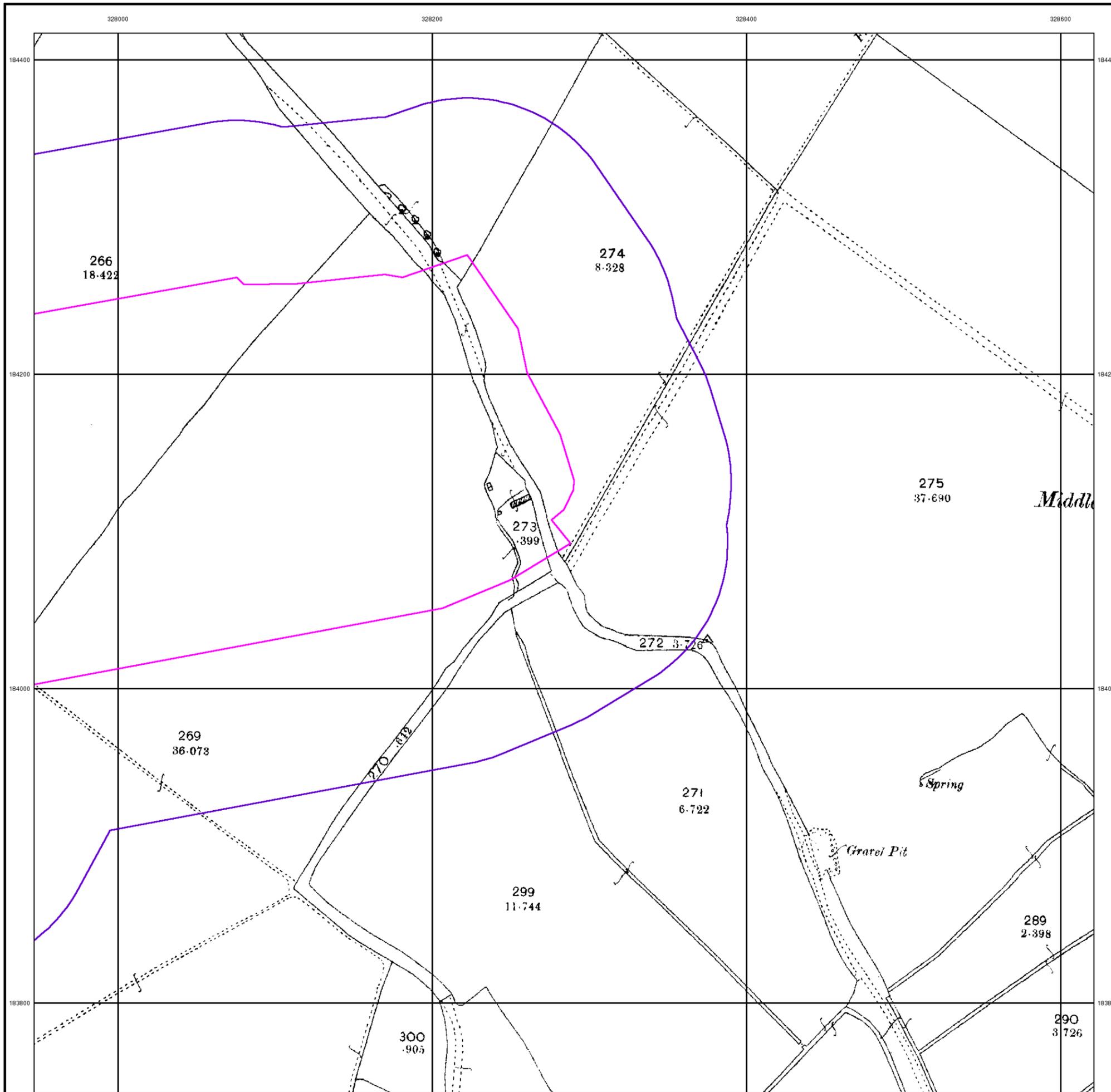


### Order Details

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 100

### Site Details

Newport Quinn SDD RFO, Celtic Way, Celtic Lakes,  
 NEWPORT, NP10 8BE



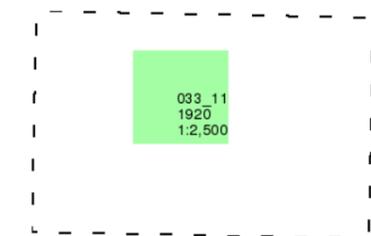
## Monmouthshire

Published 1920

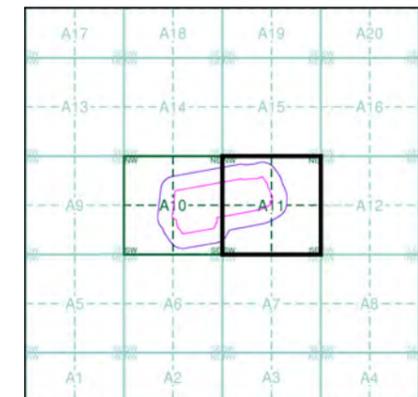
Source map scale - 1:2,500

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

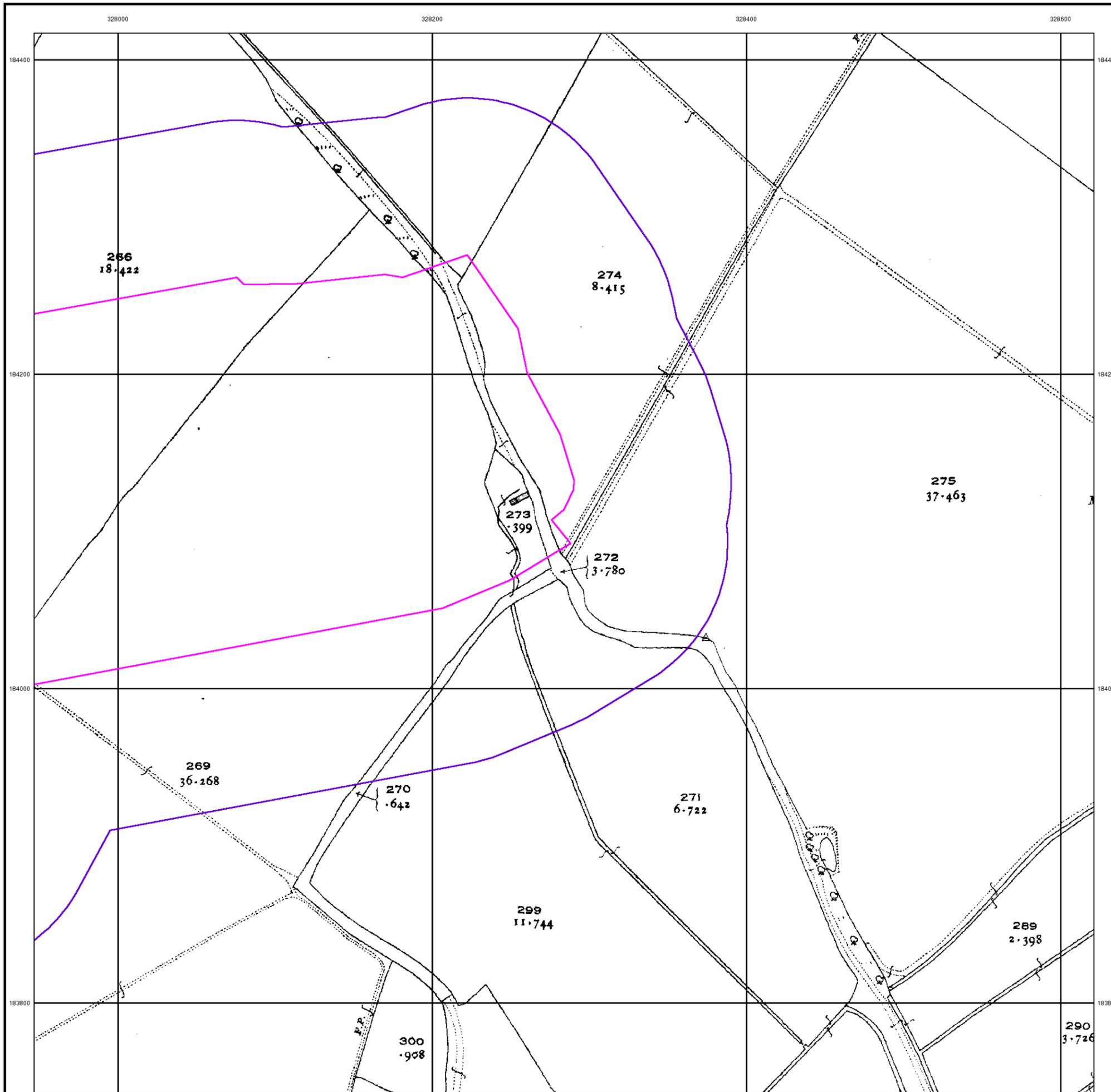


### Order Details

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 100

### Site Details

Newport Quinn SDD RFO, Celtic Way, Celtic Lakes,  
 NEWPORT, NP10 8BE



## Ordnance Survey Plan

Published 1966 - 1967

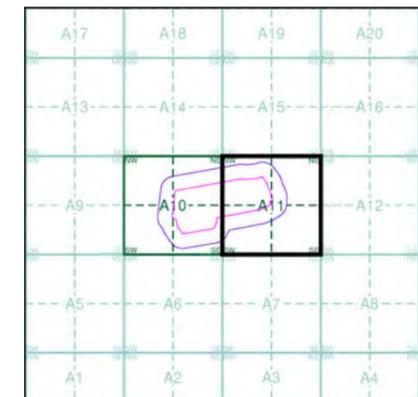
Source map scale - 1:2,500

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)

ST2784 1966 1:2,500	ST2884 1967 1:2,500
ST2783 1967 1:2,500	ST2883 1966 1:2,500

### Historical Map - Segment A11

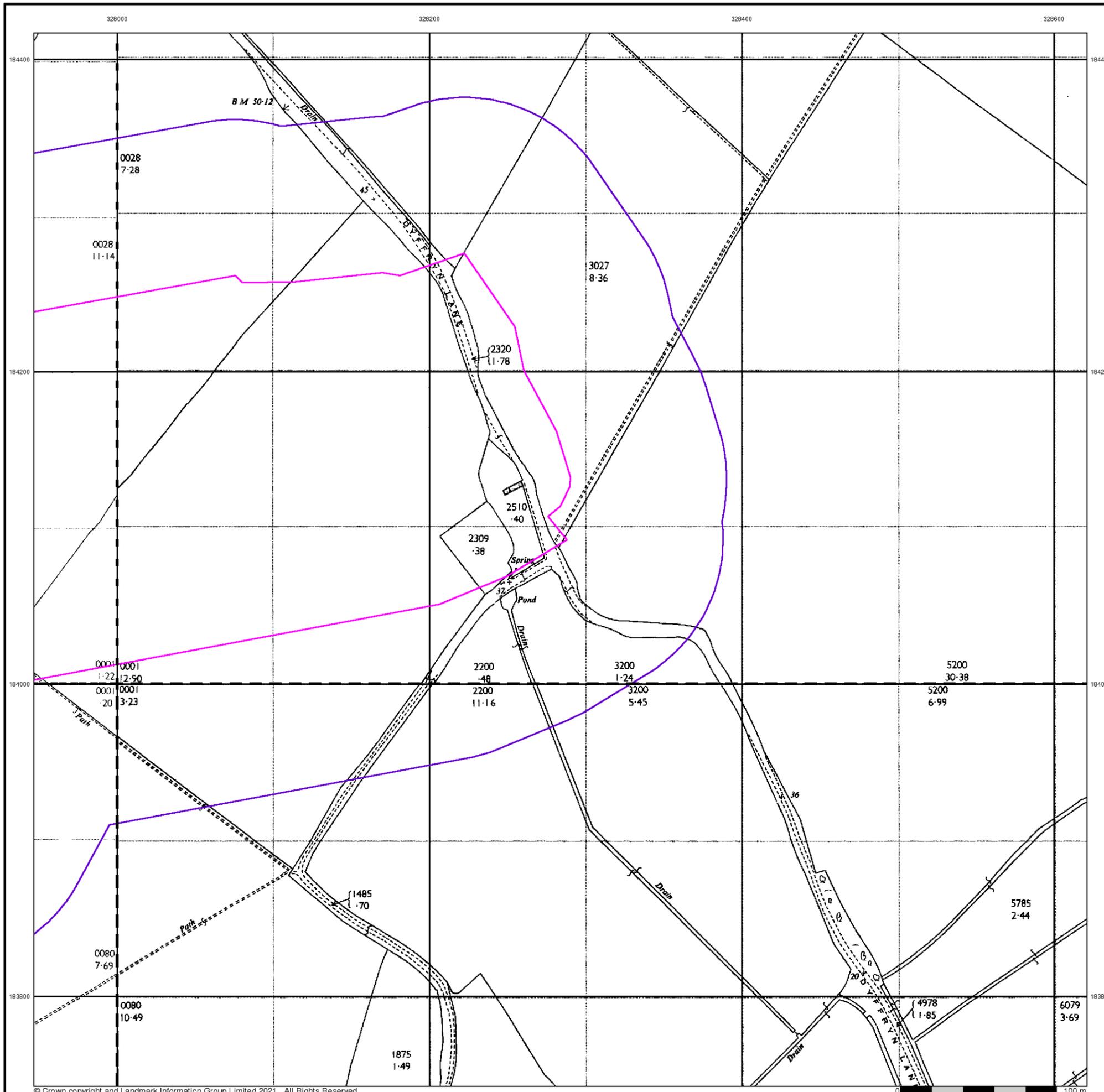


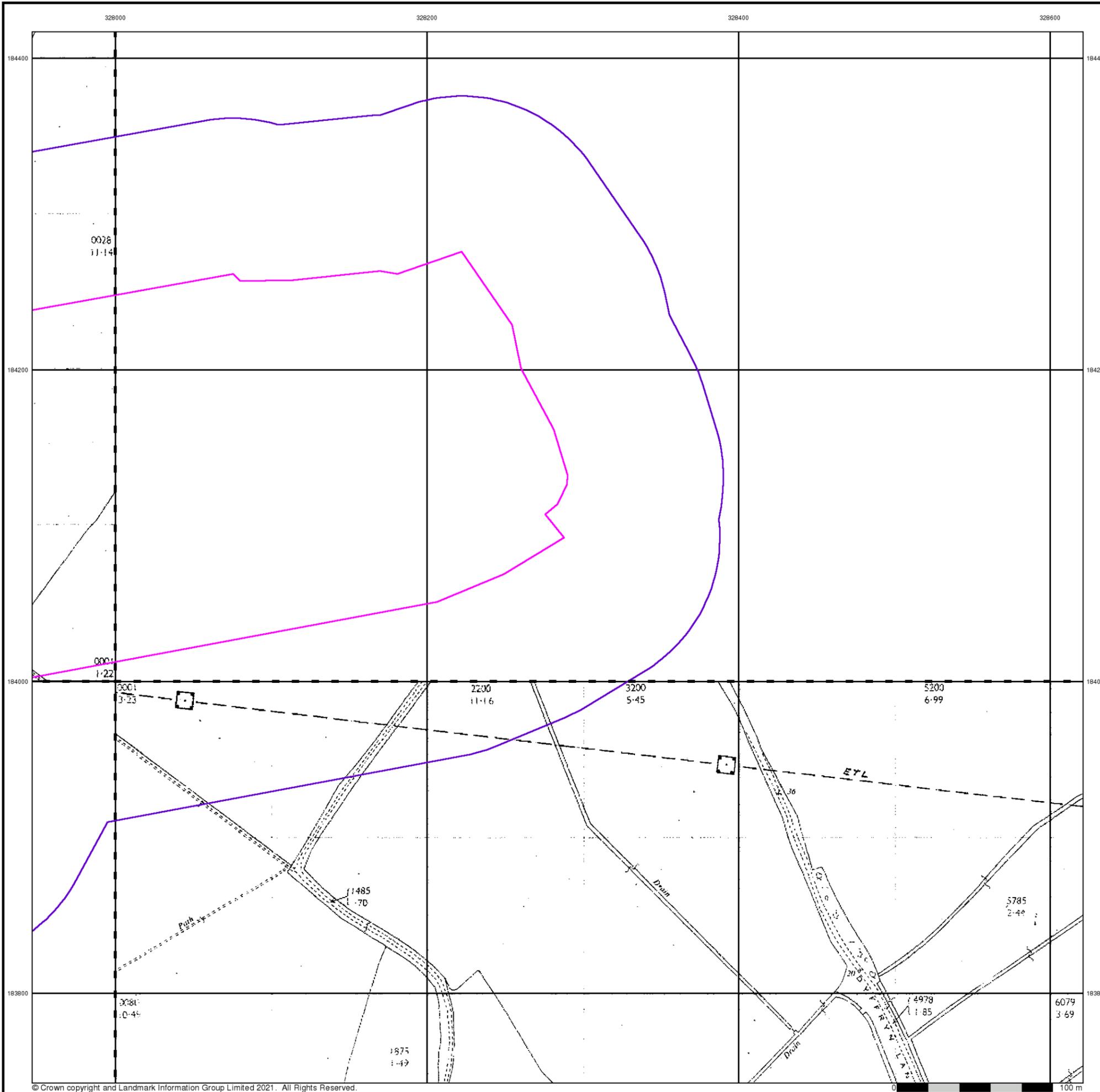
### Order Details

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 100

### Site Details

Newport Quinn SDD RFO, Celtic Way, Celtic Lakes,  
 NEWPORT, NP10 8BE





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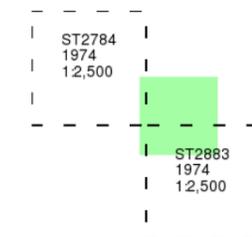
## Supply of Unpublished Survey Information

Published 1974

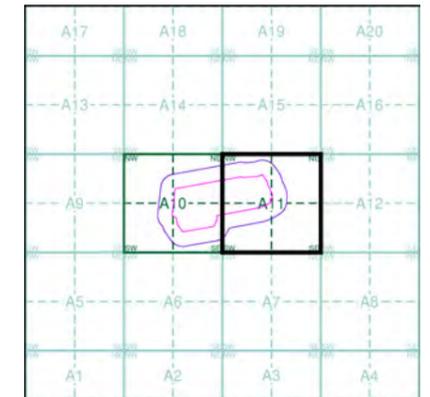
Source map scale - 1:2,500

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 A11

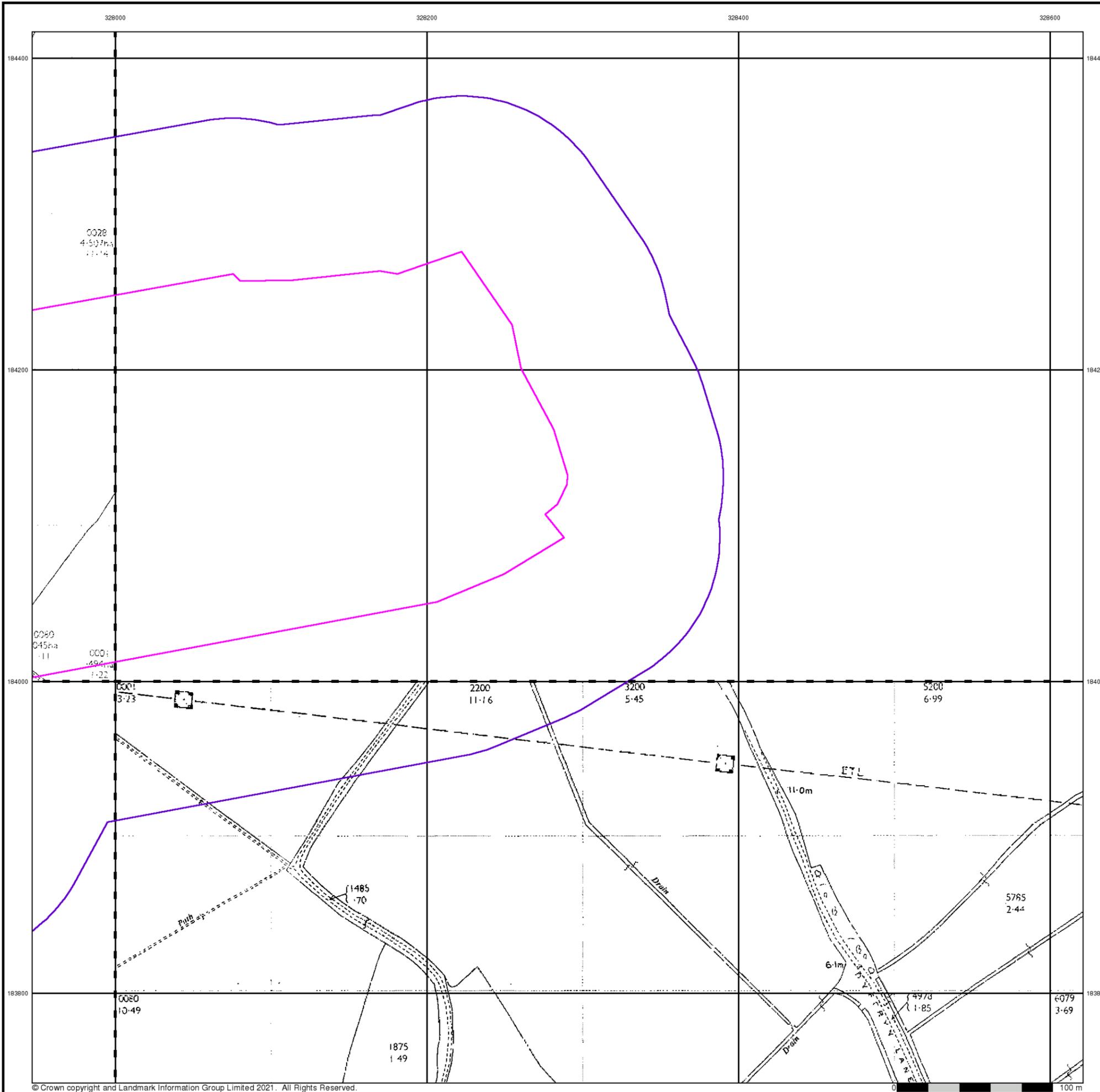


### Order Details

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 100

### Site Details

Newport Quinn SDD RFO, Celtic Way, Celtic Lakes, NEWPORT, NP10 8BE



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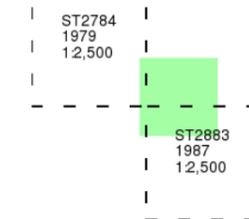
### Additional SIMs

Published 1979 - 1987

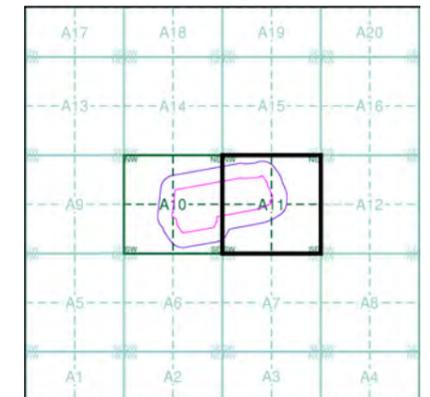
Source map scale - 1:2,500

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

### Map Name(s) and Date(s)



### Historical Map - Segment A11

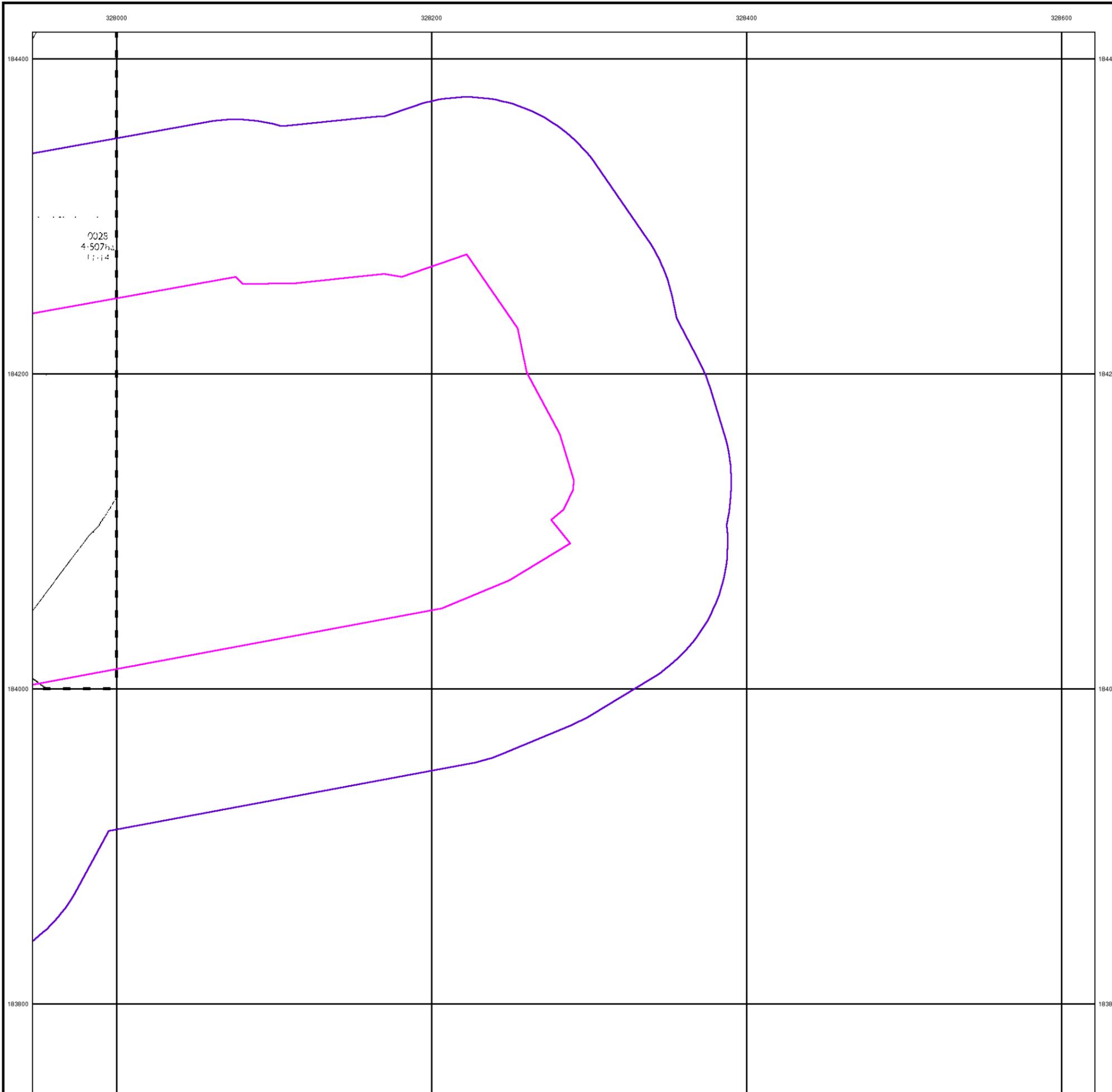


### Order Details

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 100

### Site Details

Newport Quinn SDD RFO, Celtic Way, Celtic Lakes, NEWPORT, NP10 8BE



**Additional SIMs**

**Published 1987**

**Source map scale - 1:2,500**

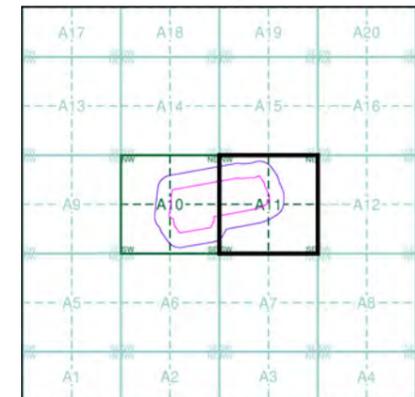
The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps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

**Map Name(s) and Date(s)**

ST2784  
1987  
1:2,500



**Historical Map - Segment A11**

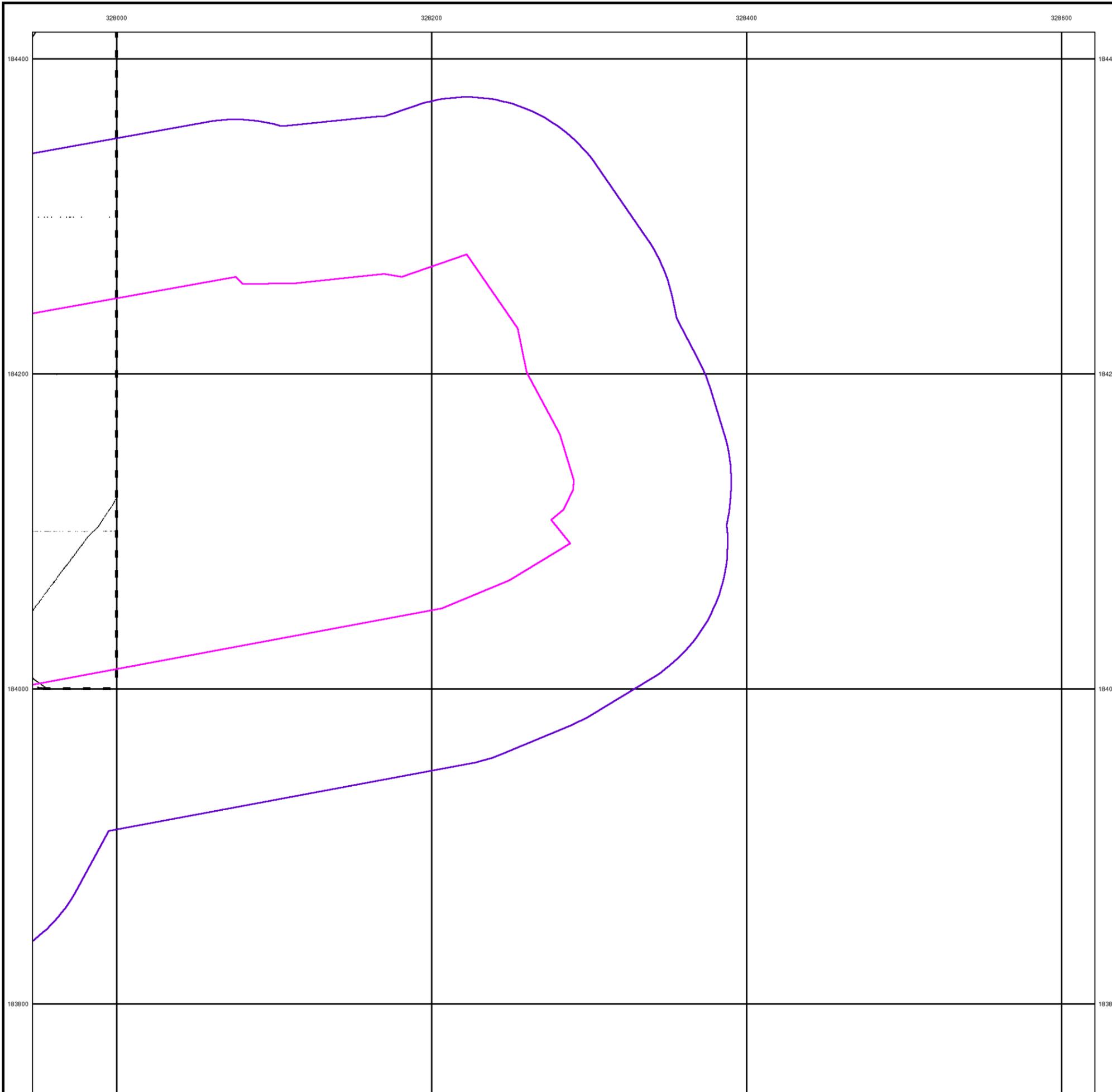


**Order Details**

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 100

**Site Details**

Newport Quinn SDD RFO, Celtic Way, Celtic Lakes,  
 NEWPORT, NP10 8BE



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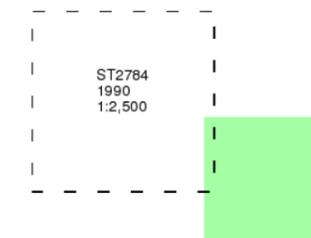
### Additional SIMs

Published 1990

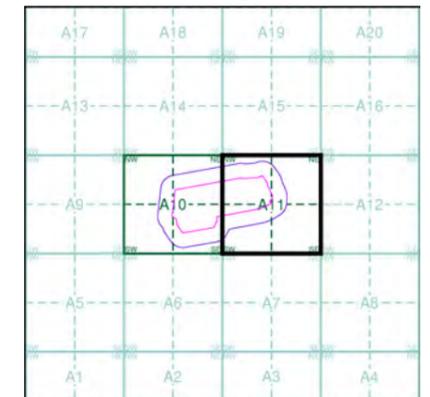
Source map scale - 1:2,500

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

### Map Name(s) and Date(s)



### Historical Map - Segment A11



### Order Details

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 100

### Site Details

Newport Quinn SDD RFO, Celtic Way, Celtic Lakes,  
 NEWPORT, NP10 8BE

## Large-Scale National Grid Data

Published 1993

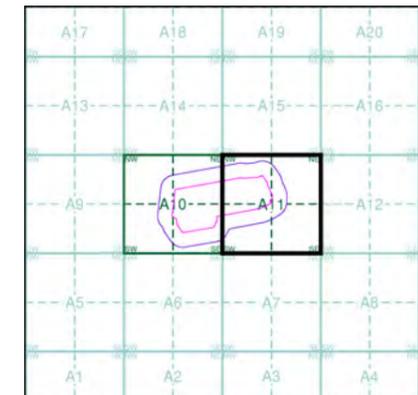
Source map scale - 1:2,500

'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)

ST2784 1993 1:2,500	ST2884 1993 1:2,500
ST2783 1993 1:2,500	ST2883 1993 1:2,500

### Historical Map - Segment A11

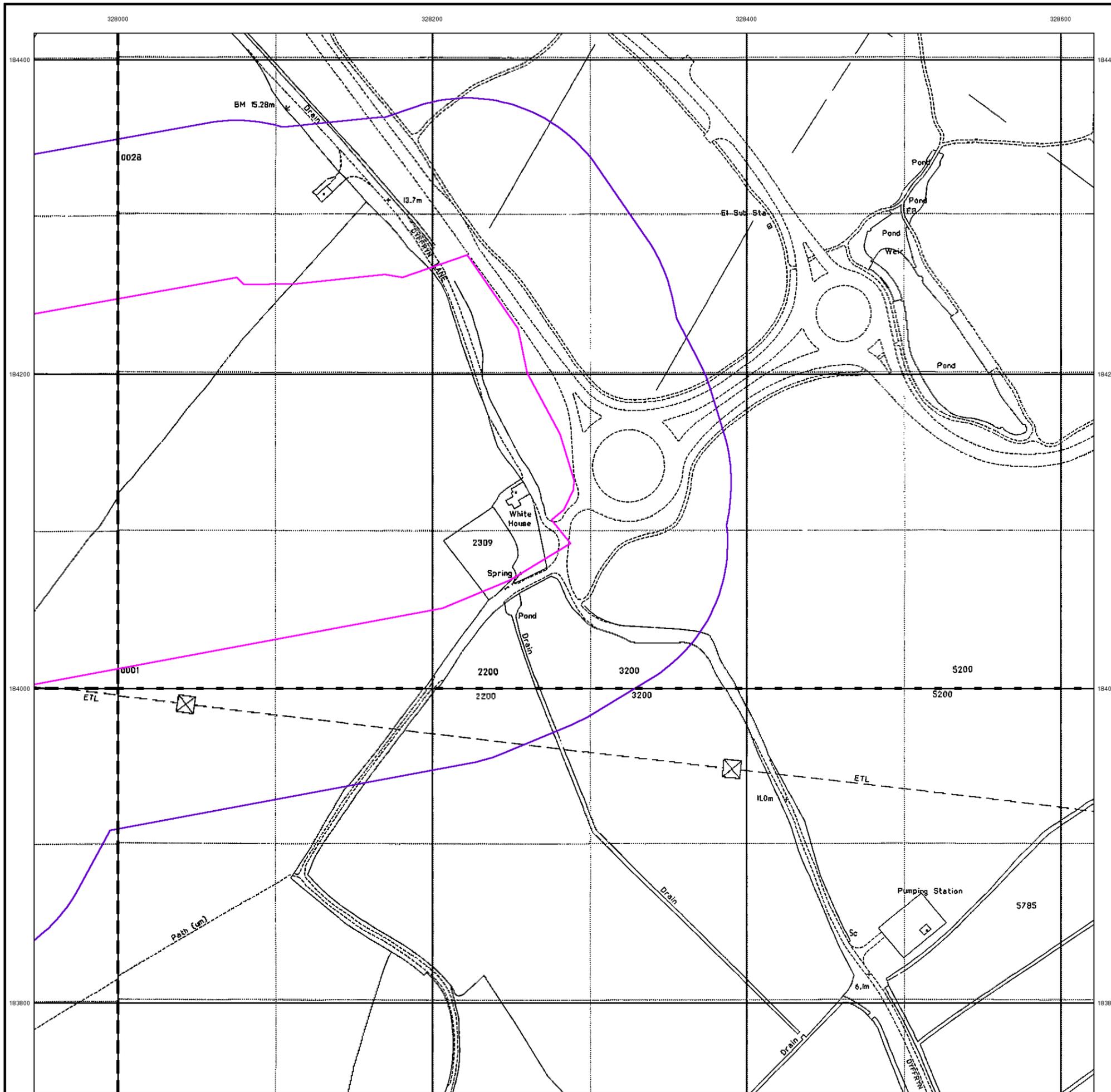


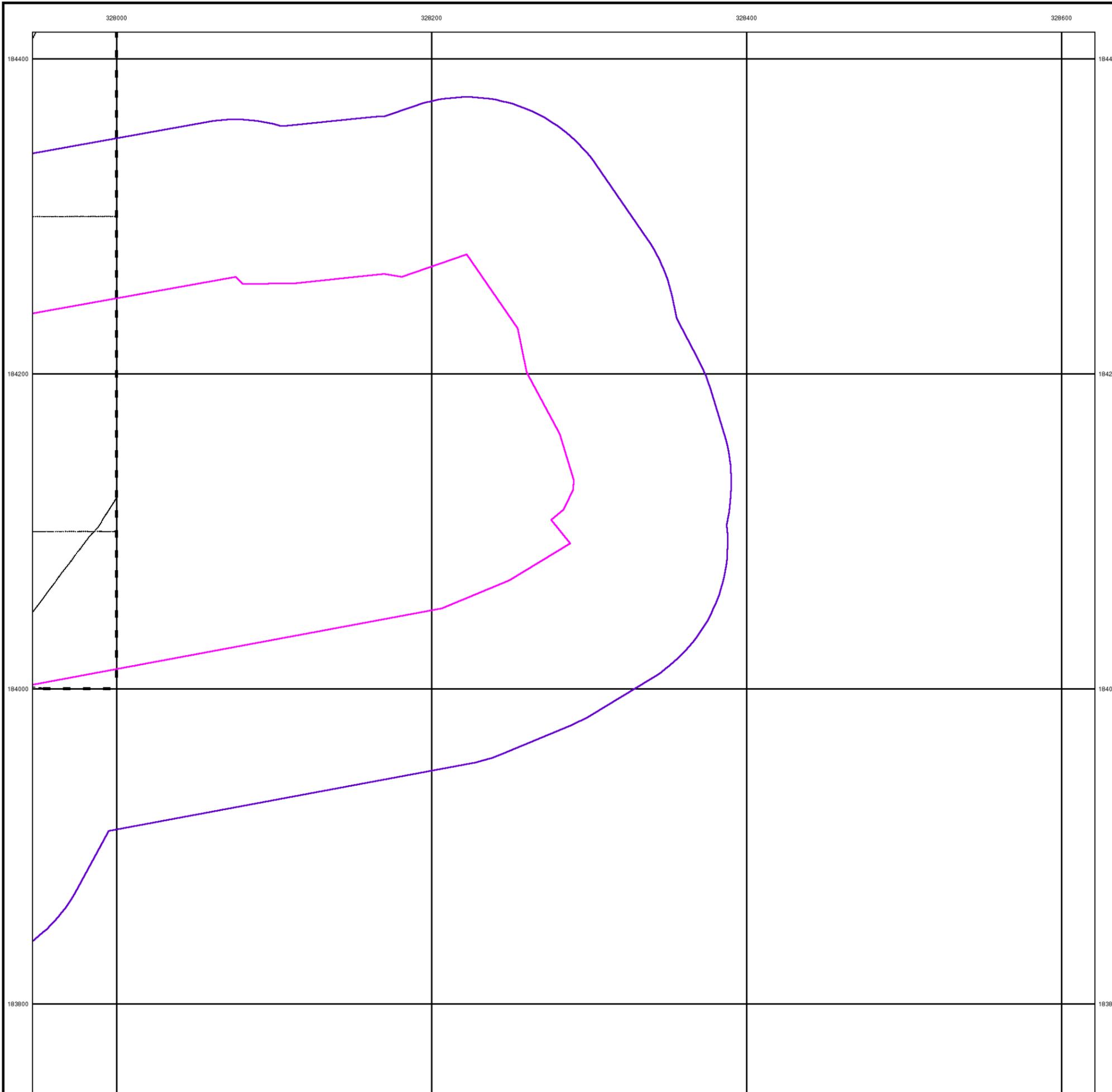
### Order Details

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 100

### Site Details

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 NEWPORT, NP10 8BE





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**Large-Scale National Grid Data**

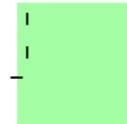
**Published 1994**

**Source map scale - 1:2,500**

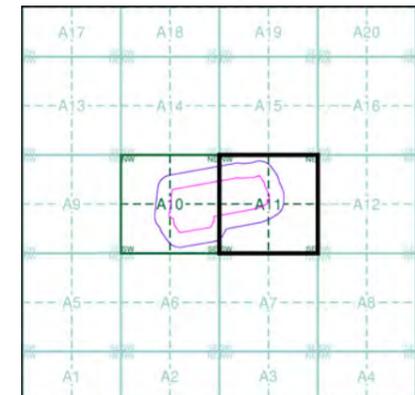
'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic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

**Map Name(s) and Date(s)**

ST2784  
1994  
1:2,500



**Historical Map - Segment A11**



**Order Details**

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 100

**Site Details**

Newport Quinn SDD RFO, Celtic Way, Celtic Lakes,  
 NEWPORT, NP10 8BE

**Landmark**  
 INFORMATION GROUP

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

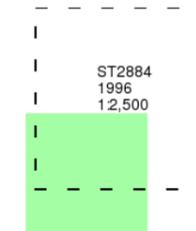
## Large-Scale National Grid Data

Published 1996

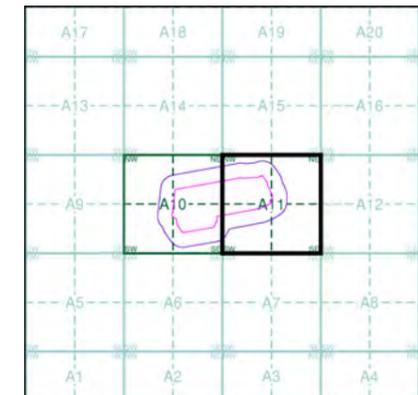
Source map scale - 1:2,500

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

### Map Name(s) and Date(s)



### Historical Map - Segment A11

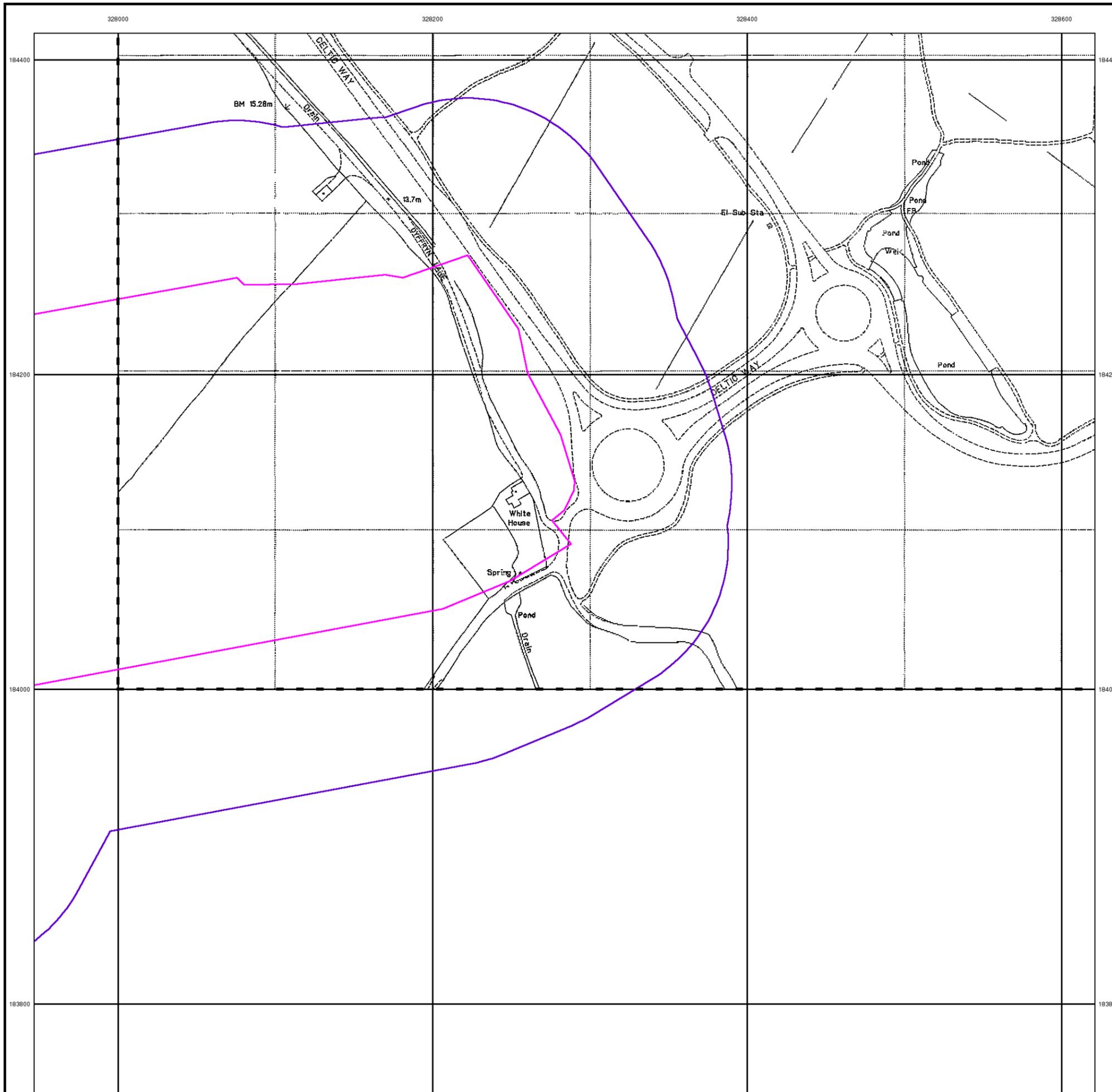


### Order Details

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 100

### Site Details

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 NEWPORT, NP10 8BE





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0 100 m

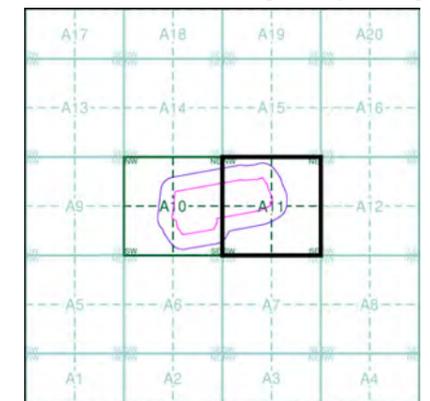


## Historical Aerial Photography

Published 2000

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: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 100

### Site Details

Newport Quinn SDD RFO, Celtic Way, Celtic Lakes,  
 NEWPORT, NP10 8BE



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

## Index Map

For ease of identification, your site and buffer have been split into Slices, Segments and Quadrants. These are illustrated on the Index Map opposite and explained further below.

### Slice

Each slice represents a 1:10,000 plot area (2.7km x 2.7km) for your site and buffer. A large site and buffer may be made up of several slices (represented by a red outline), that are referenced by letters of the alphabet, starting from the bottom left corner of the slice "grid". This grid does not relate to National Grid lines but is designed to give best fit over the site and buffer.

### Segment

A segment represents a 1:2,500 plot area. Segments that have plot files associated with them are shown in dark green, others in light blue. These are numbered from the bottom left hand corner within each slice.

### Quadrant

A quadrant is a quarter of a segment. These are labelled as NW, NE, SW, SE and are referenced in the datasheet to allow features to be quickly located on plots. Therefore a feature that has a quadrant reference of A7NW will be in Slice A, Segment 7 and the NW Quadrant.

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

## Client Details

Mr J Booth, Geotechnics Ltd, The Geotechnical Centre,  
Unit 1 Borders Industrial Park, River Lane, Saltney, CH4  
8RJ

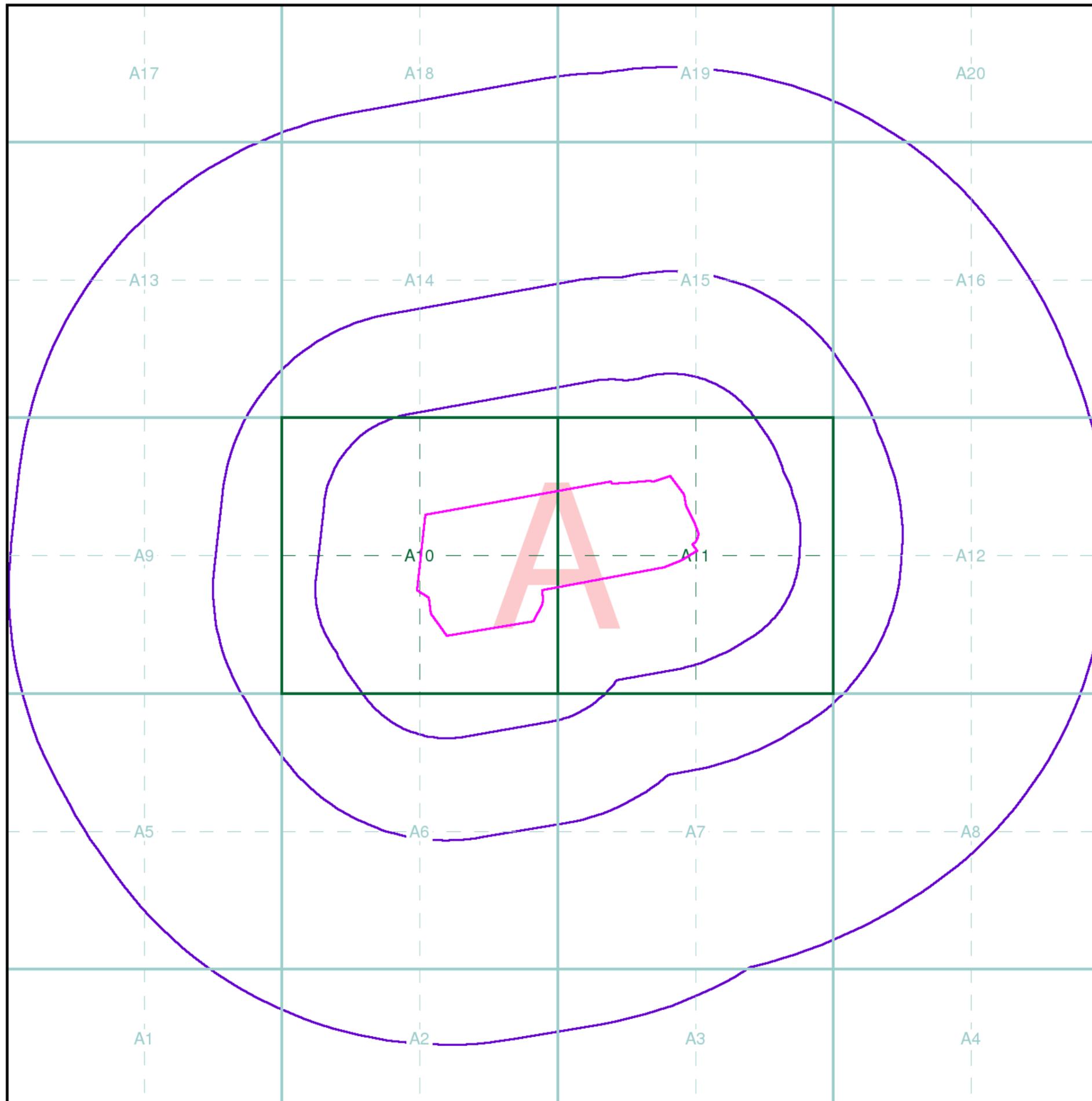
## Order Details

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Customer Ref: PN214233  
National Grid Reference: 327920, 184100  
Site Area (Ha): 16.79  
Search Buffer (m): 1000

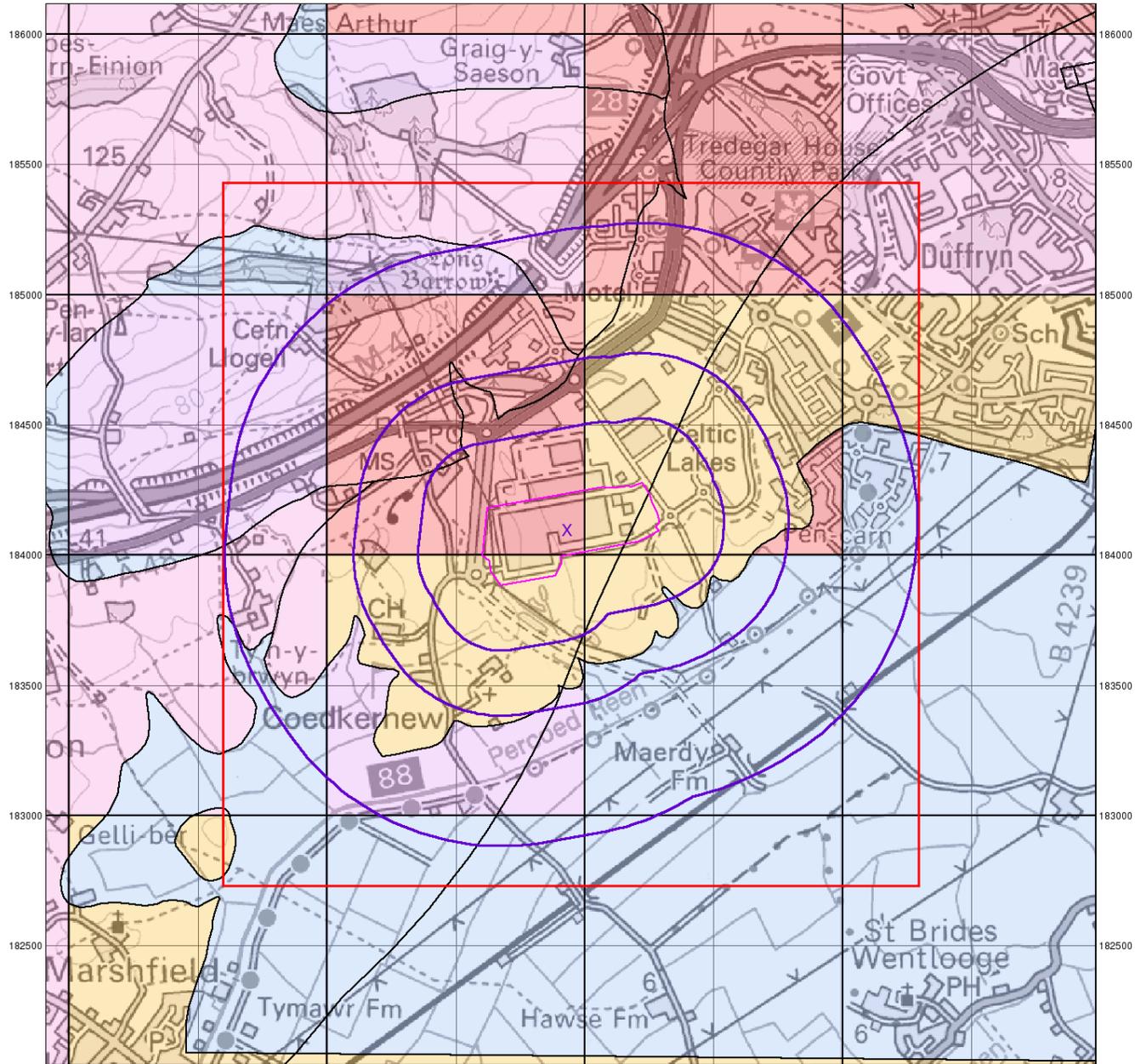
## Site Details

Newport Quinn SDD RFO, Celtic Way, Celtic Lakes,  
NEWPORT, NP10 8BE

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<http://www.landmarkinfo.co.uk/Terms/Show/515>



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## Groundwater Vulnerability

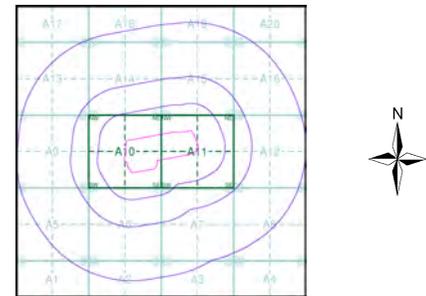
### General

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

### Agency and Hydrological

- | Bedrock Aquifers                        |   | 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: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 1000

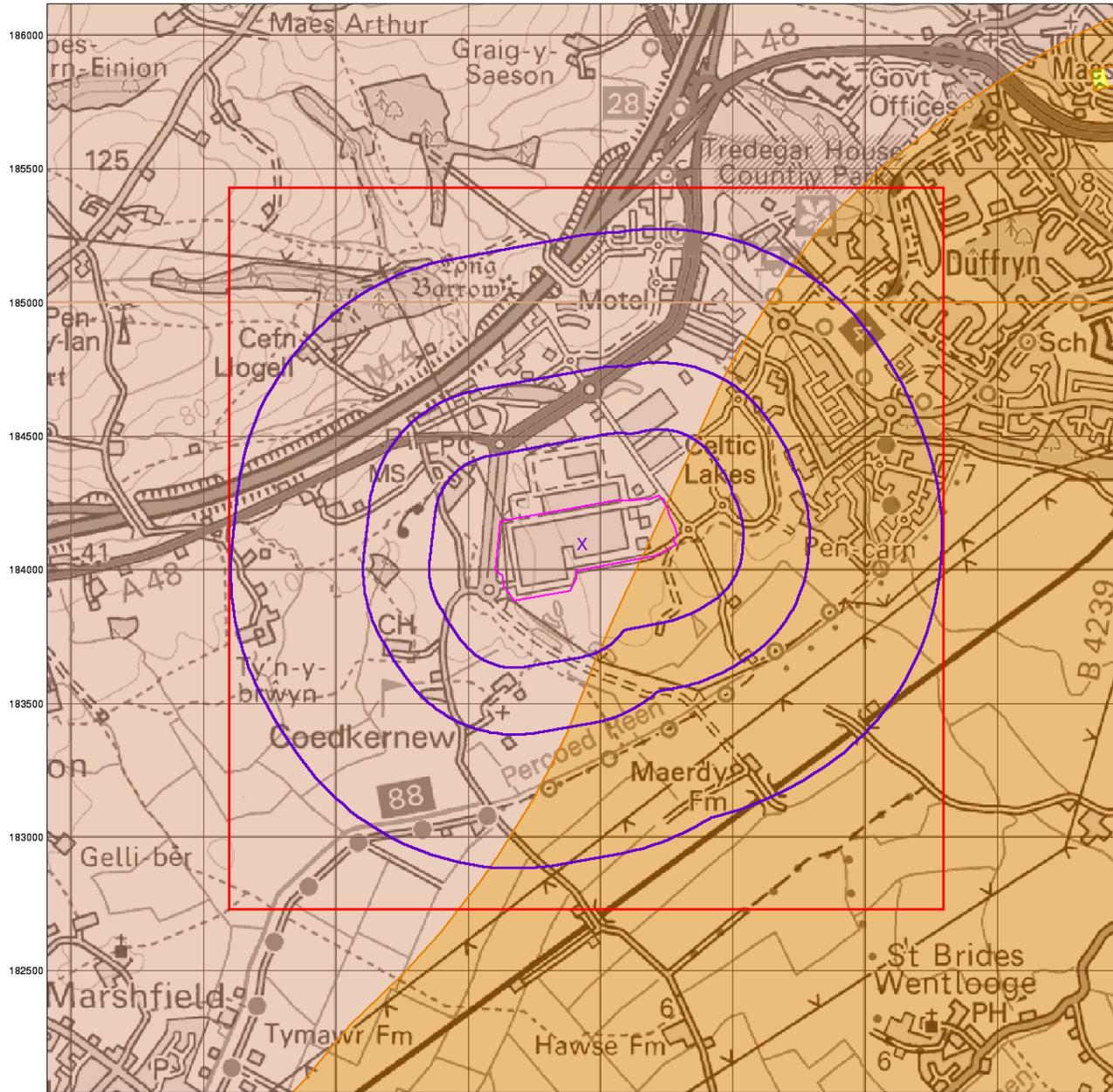
### Site Details

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0 1 km



## Bedrock Aquifer Designation

### General

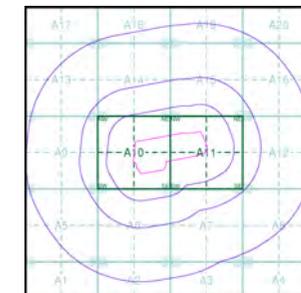
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### 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: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 1000

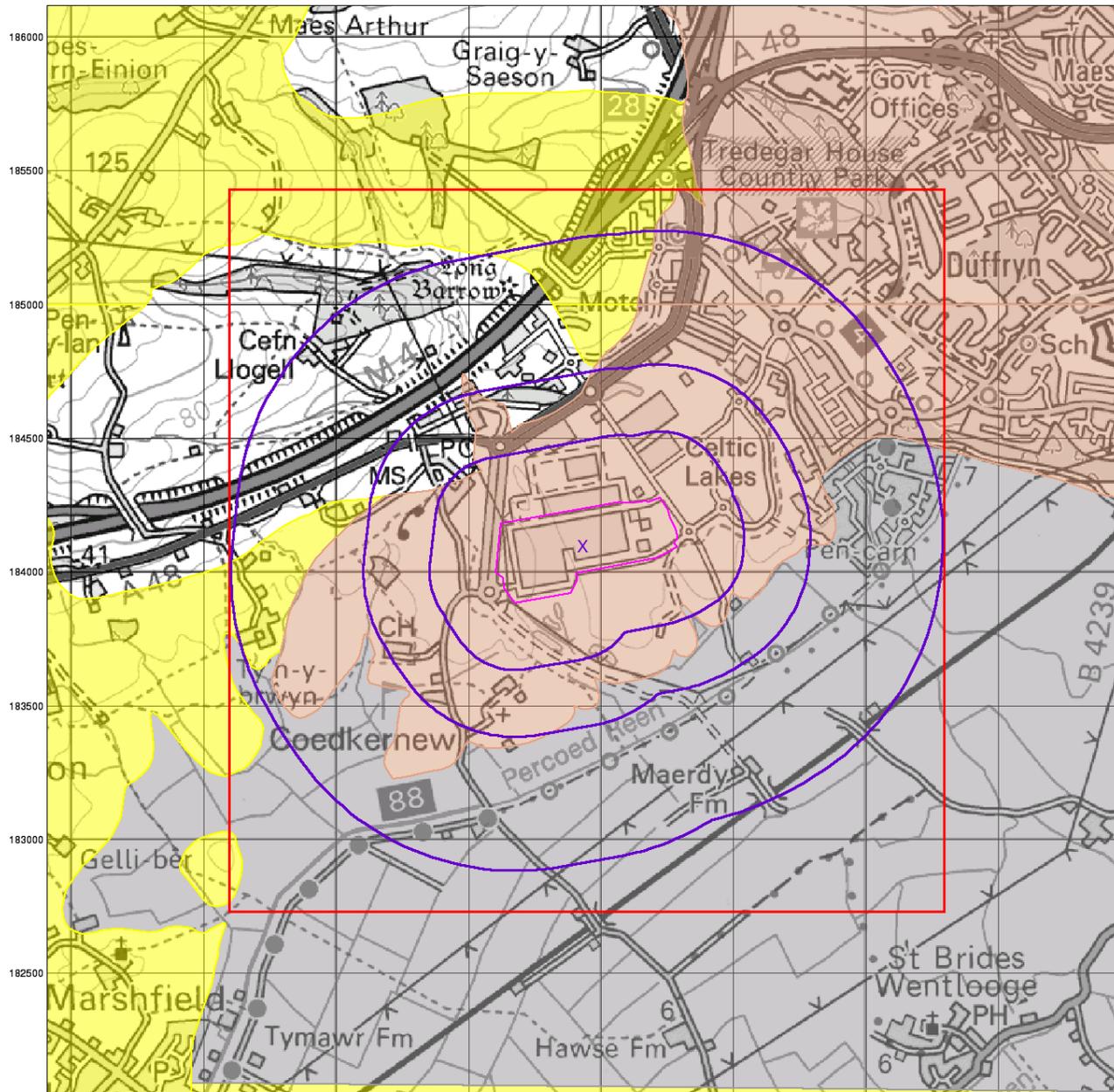
### Site Details

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0 1 km

**Superficial Aquifer Designation**

**General**

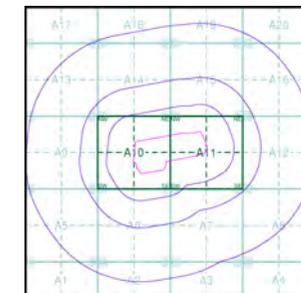
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

**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**



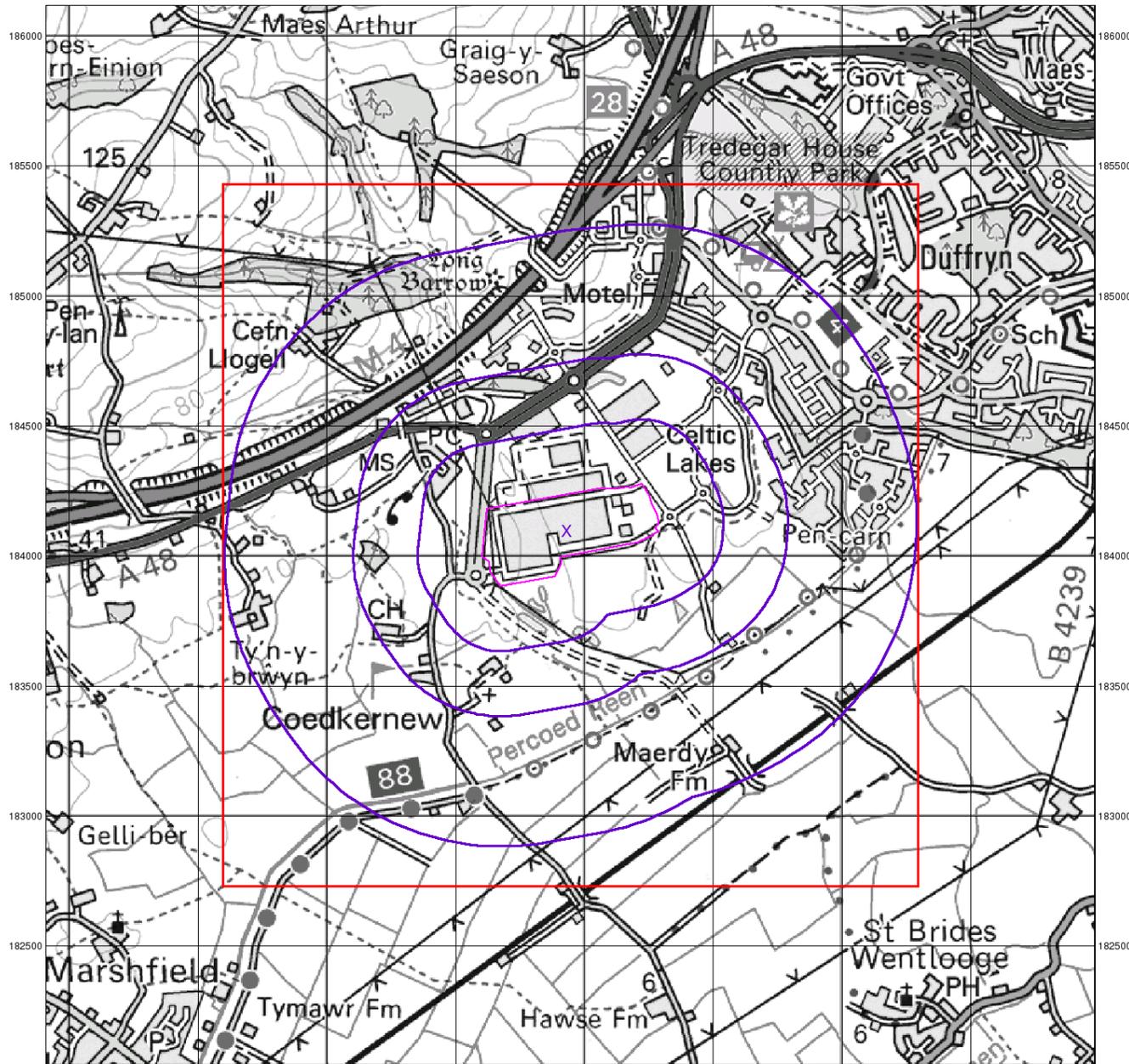
**Order Details**

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 1000

**Site Details**

Newport Quinn SDD RFO, Celtic Way, Celtic Lakes, NEWPORT, NP10 8BE

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## Source Protection Zones

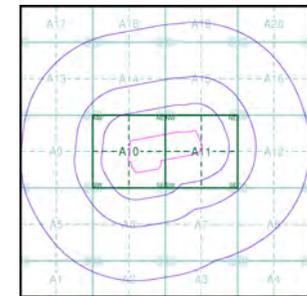
### General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- 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: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 1000

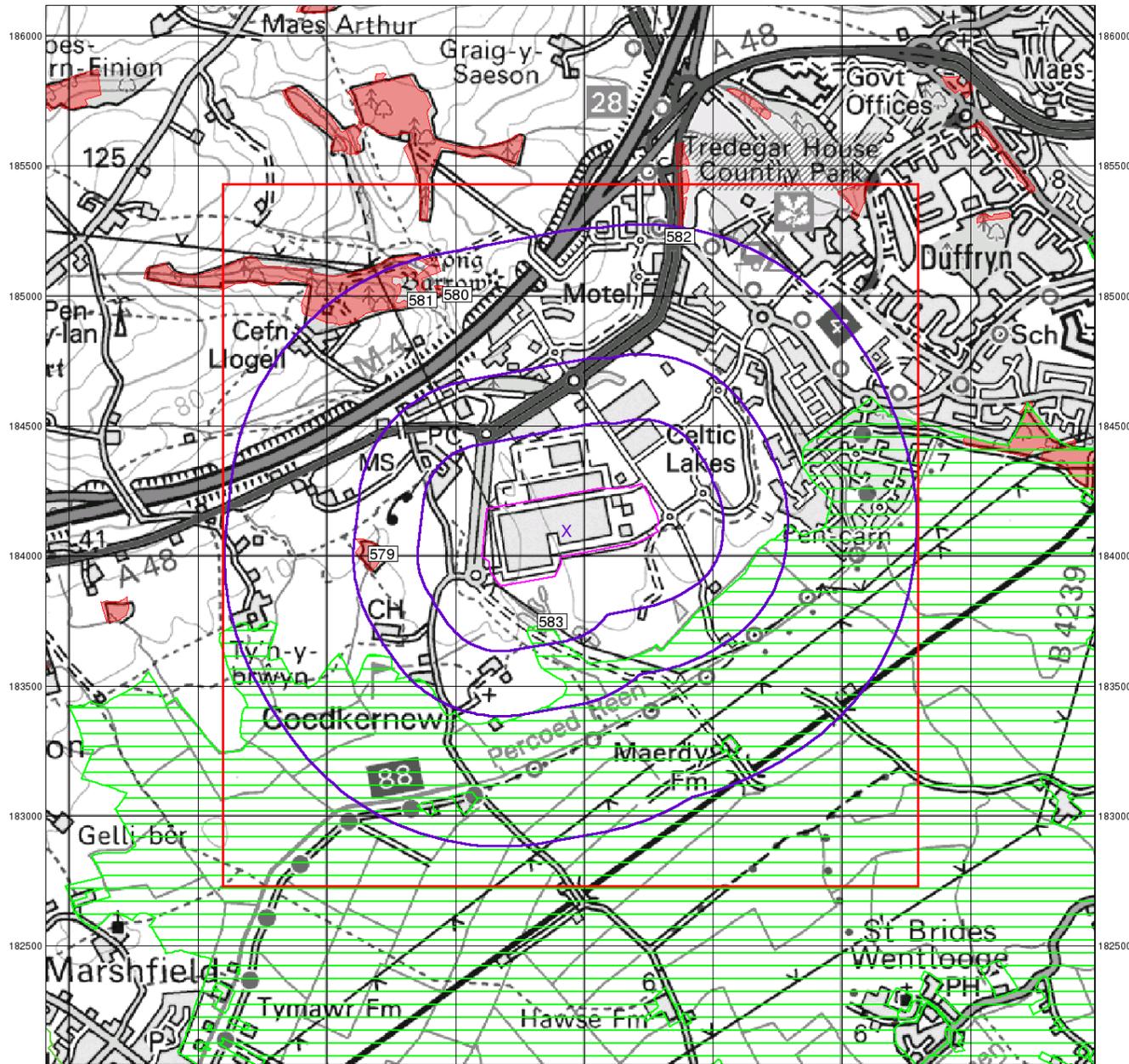
### Site Details

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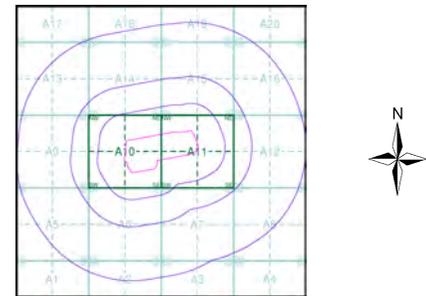


### Sensitive Land Uses

- 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: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 1000

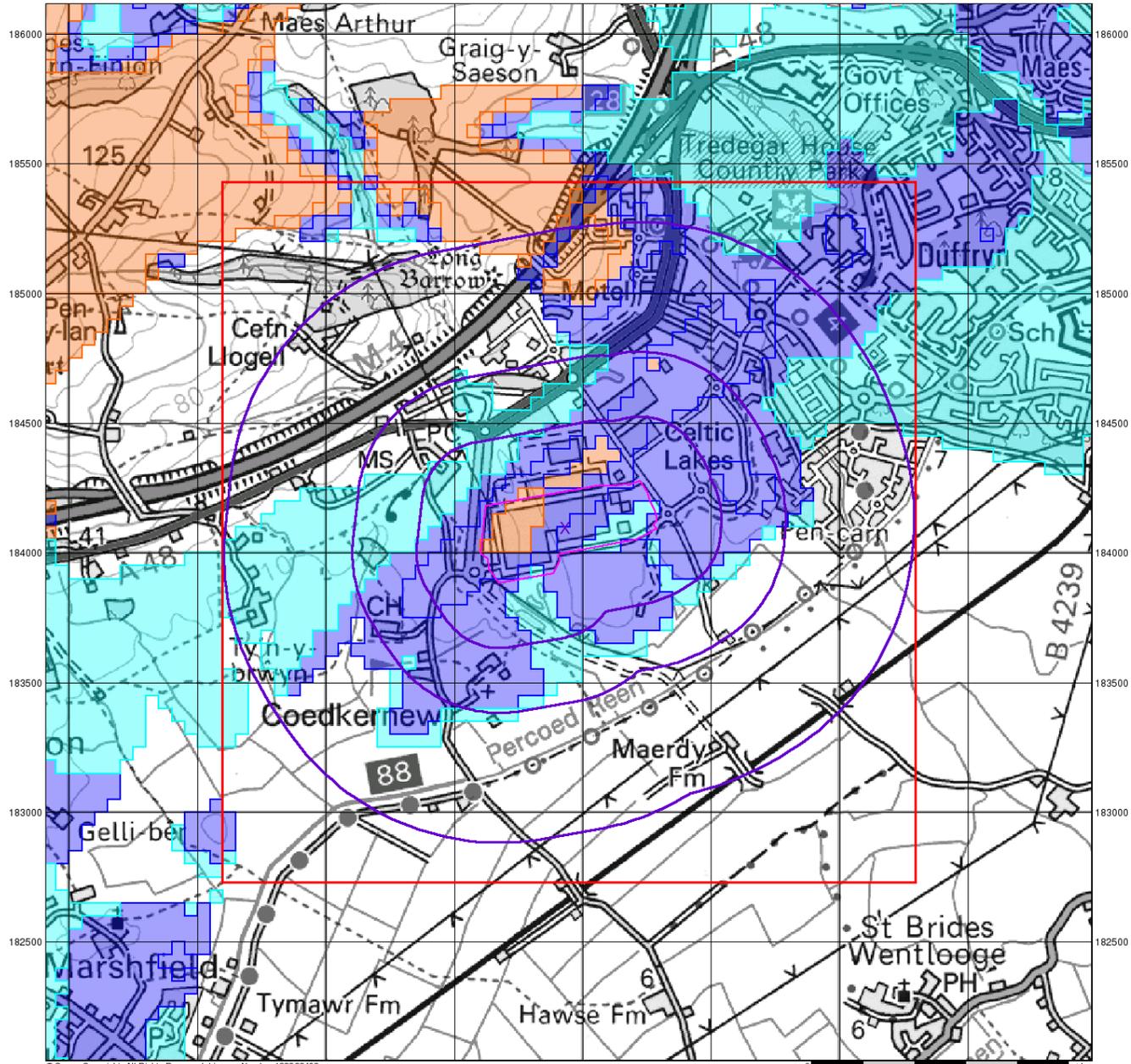
### Site Details

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### BGS Flood GFS Data

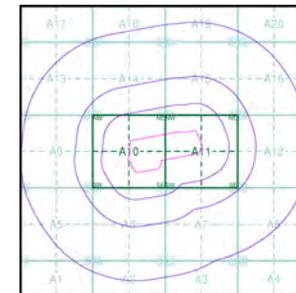
#### General

- 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

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 1000

### Site Details

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

## Envirocheck<sup>®</sup> Report:

### Datasheet

#### Order Details:

**Order Number:**

278157460\_1\_1

**Customer Reference:**

PN214233

**National Grid Reference:**

327930, 184100

**Slice:**

A

**Site Area (Ha):**

16.79

**Search Buffer (m):**

1000

#### Site Details:

Newport Quinn SDD RFO

Celtic Way

Celtic Lakes

NEWPORT

NP10 8BE

#### Client Details:

Mr J Booth

Geotechnics Ltd

The Geotechnical Centre

Unit 1 Borders Industrial Park

River Lane

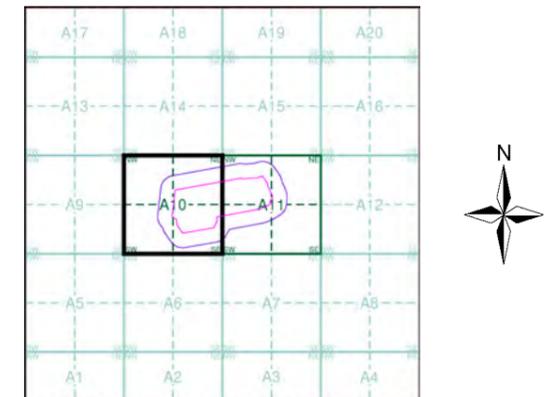
Saltney

CH4 8RJ

## General

- Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point
  - Map ID
  - Several of Type at Location
  - Pylon
  - Overhead Transmission Line
- ## Agency and Hydrological
- Contaminated Land Register Entry or Notice (Location)
  - Contaminated Land Register Entry or Notice
  - Discharge Consent
  - Enforcement or Prohibition Notice
  - Integrated Pollution Control
  - Integrated Pollution Prevention Control
  - Local Authority Integrated Pollution Prevention and Control
  - Local Authority Pollution Prevention and Control Enforcement
  - Pollution Incident to Controlled Waters
  - Prosecution Relating to Authorised Processes
  - Prosecution Relating to Controlled Waters
  - Registered Radioactive Substance
  - River Network or Water Feature
  - River Quality Sampling Point
  - Substantiated Pollution Incident Register
  - Water Abstraction
  - Water Industry Act Referral
- ## Waste
- BGS Recorded Landfill Site (Location)
  - BGS Recorded Landfill Site
  - EA Historic Landfill (Buffered Point)
  - EA Historic Landfill (Polygon)
  - Integrated Pollution Control Registered Waste Site
  - Licensed Waste Management Facility (Landfill Boundary)
  - Licensed Waste Management Facility (Location)
  - Local Authority Recorded Landfill Site (Location)
  - Local Authority Recorded Landfill Site
  - 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
- ## Hazardous Substances
- COMAH Site
  - Explosive Site
  - NIHS Site
  - Planning Hazardous Substance Consent
  - Planning Hazardous Substance Enforcement
- ## Geological
- BGS Recorded Mineral Site

## Site Sensitivity Map - Segment A10

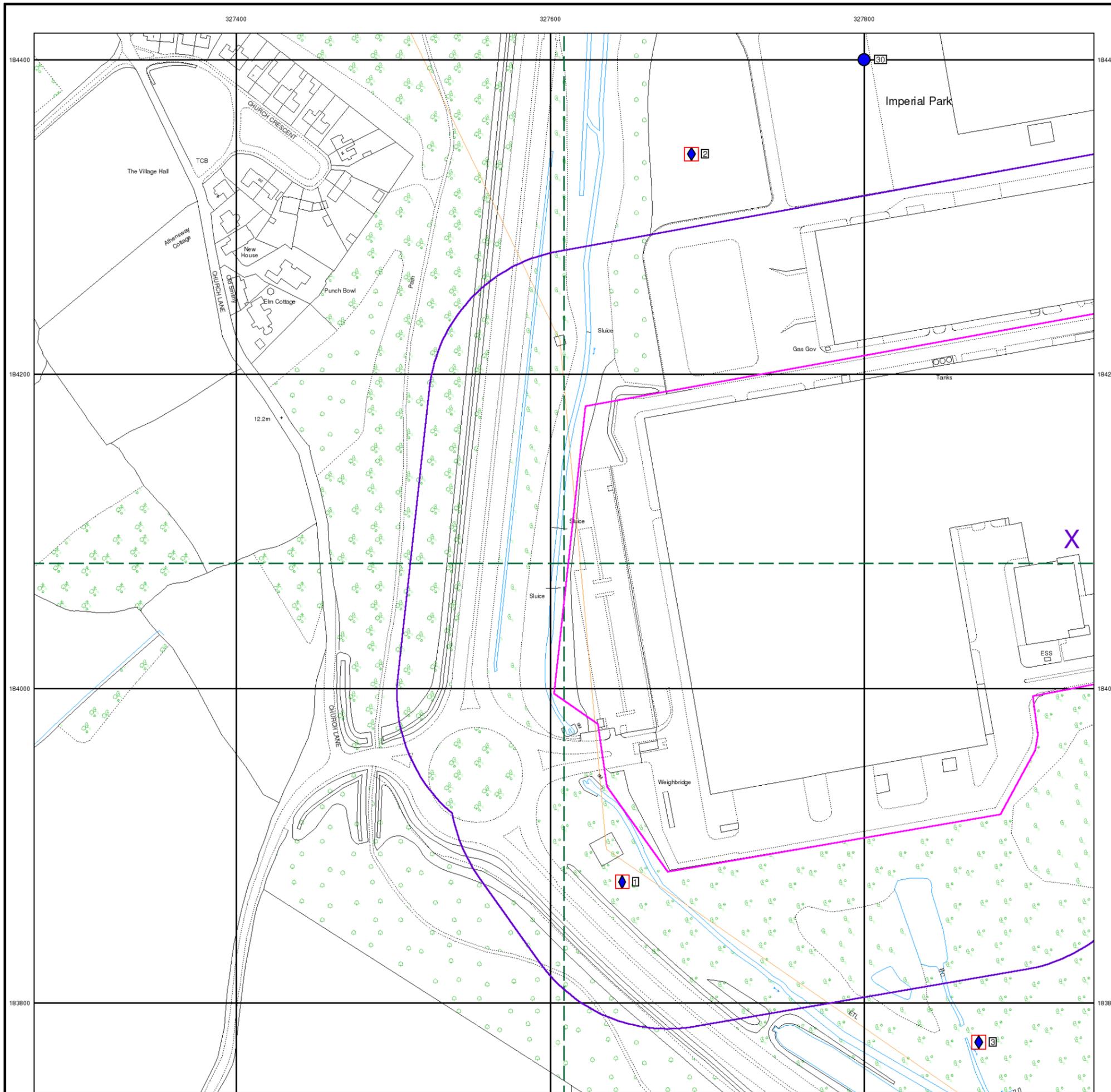


## Order Details

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Plot Buffer (m): 100

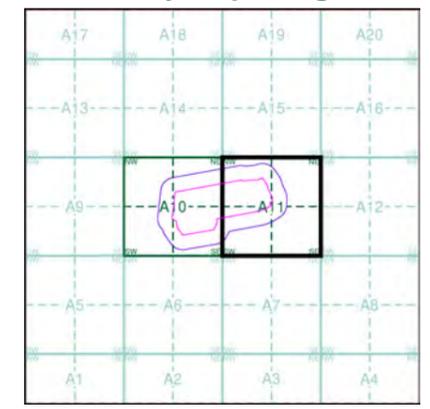
## Site Details

Newport Quinn SDD RFO, Celtic Way, Celtic Lakes,  
 NEWPORT, NP10 8BE



- General**
- Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point
  - Map ID
  - Several of Type at Location
  - Pylon
  - Overhead Transmission Line
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
  - Contaminated Land Register Entry or Notice
  - Discharge Consent
  - Enforcement or Prohibition Notice
  - Integrated Pollution Control
  - Integrated Pollution Prevention Control
  - Local Authority Integrated Pollution Prevention and Control
  - Local Authority Pollution Prevention and Control Enforcement
  - Pollution Incident to Controlled Waters
  - Prosecution Relating to Authorised Processes
  - Prosecution Relating to Controlled Waters
  - Registered Radioactive Substance
  - River Network or Water Feature
  - River Quality Sampling Point
  - Substantiated Pollution Incident Register
  - Water Abstraction
  - Water Industry Act Referral
- 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 A11

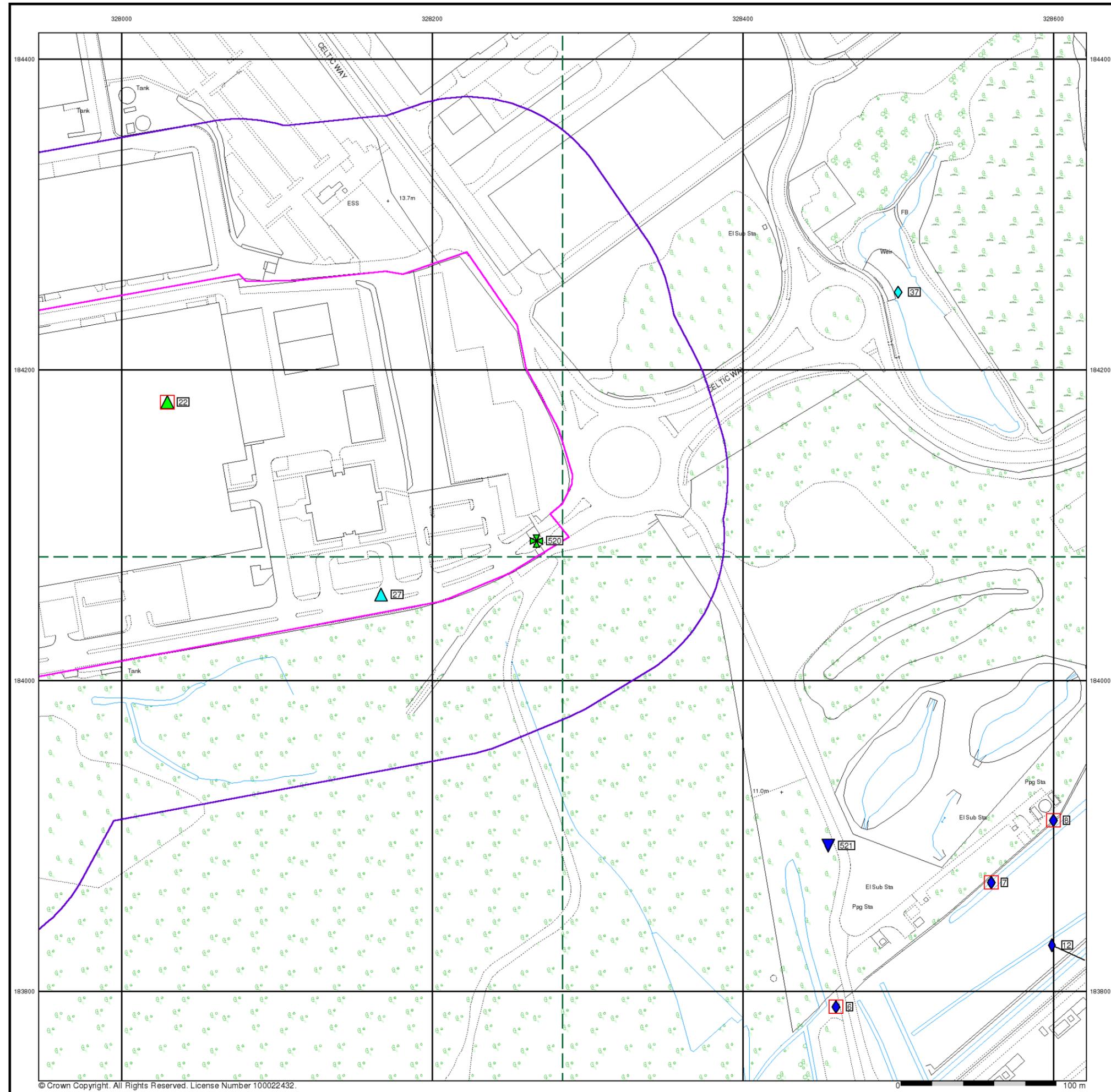


**Order Details**

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Plot Buffer (m): 100

**Site Details**

Newport Quinn SDD RFO, Celtic Way, Celtic Lakes, NEWPORT, NP10 8BE



Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	70
Hazardous Substances	73
Geological	74
Industrial Land Use	77
Sensitive Land Use	84
Data Currency	85
Data Suppliers	90
Useful Contacts	91

#### 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)
<b>Agency &amp; Hydrological</b>					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2		10	12	10
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls	pg 10	6			1
Integrated Pollution Prevention And Control	pg 11		1	1	7
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 12	1	1		1
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 13		Yes		
Pollution Incidents to Controlled Waters	pg 13		1		2
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances	pg 13				5
River Quality	pg 14				1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points	pg 15				1
Substantiated Pollution Incident Register	pg 15			1	1
Water Abstractions	pg 16		1		(*3)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 17	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 17	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 17	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 17		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 18		Yes	n/a	n/a
Areas Benefiting from Flood Defences	pg 18		Yes	n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 18		33	64	363

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Waste</b>					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 70			1	2
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)	pg 70				1
Licensed Waste Management Facilities (Locations)	pg 70				1
Local Authority Landfill Coverage	pg 70	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 71		1		3
Potentially Infilled Land (Water)	pg 71				12
Registered Landfill Sites	pg 72				1
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
<b>Hazardous Substances</b>					
Control of Major Accident Hazards Sites (COMAH)	pg 73	1			
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Geological</b>					
BGS 1:625,000 Solid Geology	pg 74	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 74	Yes			
BGS Recorded Mineral Sites	pg 74			1	3
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	pg 75	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 75	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 75	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 75	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 75	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 76	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 76	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 76	Yes	n/a	n/a	n/a
<b>Industrial Land Use</b>					
Contemporary Trade Directory Entries	pg 77	3	3		24
Fuel Station Entries	pg 79				1
Points of Interest - Commercial Services	pg 79				6
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 80	1		3	10
Points of Interest - Public Infrastructure	pg 81	1	6	4	13
Points of Interest - Recreational and Environmental	pg 83				1
Gas Pipelines					
Underground Electrical Cables	pg 83				6

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Sensitive Land Use</b>					
Ancient Woodland	pg 84			1	3
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 84		1		
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A10NE (W)	0	1	327850 184100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A10NE (N)	0	1	327932 184100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A10SE (SW)	0	1	327750 183900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A10NE (NW)	0	1	327932 184095
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A10SE (SW)	0	1	327850 183950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A10SE (SW)	0	1	327800 183950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A11SW (SE)	0	1	328000 184050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A10NE (N)	2	1	327932 184250
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A11SW (E)	18	1	328250 184050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A10NE (NW)	74	1	327700 184300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A10NE (NW)	87	1	327800 184300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A11SE (E)	130	1	328300 183950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11NE (E)	256	1	328500 184300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A11SE (E)	256	1	328500 183950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A11SE (SE)	316	1	328300 183750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12NW (E)	412	1	328700 184095
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A15SW (NE)	426	1	328250 184700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A6NW (SW)	432	1	327350 183600
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A6NE (S)	441	1	327850 183450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A6SE (S)	484	1	327750 183400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<p><b>Discharge Consents</b></p> <p>Operator: Costain Building &amp; Civil Engineering Ltd  Property Type: Undefined Or Other  Location: Area 2 - Final Effluent West Duffry, West Duffryn Link Road Newport, Newport  Authority: Natural Resources Wales  Catchment Area: Broadway Reen  Reference: An0269701  Permit Version: 1  Effective Date: 2nd December 1996  Issued Date: 2nd December 1996  Revocation Date: 13th August 1997  Discharge Type: Trade Effluent  Discharge: Not Supplied  Environment:  Receiving Water: Nant Y Moor Reen  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 100m</p>	A10SE (SW)	28	2	327646 183877
1	<p><b>Discharge Consents</b></p> <p>Operator: Costain Building &amp; Civil Engineering Ltd  Property Type: Undefined Or Other  Location: Area 2 - Final Effluent West Duffry, West Duffryn Link Road Newport, Newport  Authority: Natural Resources Wales  Catchment Area: Broadway Reen  Reference: An0269702  Permit Version: 1  Effective Date: 2nd December 1996  Issued Date: 2nd December 1996  Revocation Date: 13th August 1997  Discharge Type: Trade Effluent  Discharge: Not Supplied  Environment:  Receiving Water: Tributary Of The Nant Y Moor R  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A10SE (SW)	28	2	327646 183877
2	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewage Disposal Works - Water Company  Location: Not Supplied  Authority: Natural Resources Wales  Catchment Area: Broadway Reen  Reference: Ad0008401  Permit Version: 2  Effective Date: 1st April 1988  Issued Date: 1st April 1988  Revocation Date: 23rd April 1990  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Not Supplied  Environment:  Receiving Water: Nant-Y-Moor Brook  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A10NE (NW)	133	2	327710 184330
2	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewage Disposal Works - Water Company  Location: Not Supplied  Authority: Natural Resources Wales  Catchment Area: Broadway Reen  Reference: Ad0008401  Permit Version: 1  Effective Date: 16th December 1981  Issued Date: 16th December 1981  Revocation Date: 31st March 1988  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Not Supplied  Environment:  Receiving Water: Nant-Y-Moor Brook  <b>Status: Authorisation revoked</b>  Positional Accuracy: Located by supplier to within 10m</p>	A10NE (NW)	133	2	327710 184330

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Pumping Staions  Location: Coedkernew Ps (Emergency)  Authority: Natural Resources Wales  Catchment Area: BROADWAY REEN - SOURCE TO R SEVERN ESTUARY  Reference: An0216401  Permit Version: 1  Effective Date: 23rd April 1990  Issued Date: 23rd April 1990  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Pumping Station - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Nantymoor Brook  <b>Status: Effective</b>  Positional Accuracy: Located by supplier to within 10m</p>	A10NE (NW)	146	2	327690 184340
2	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Pumping Staions  Location: Coedkernew Ps (Emergency)  Authority: Natural Resources Wales  Catchment Area: BROADWAY REEN - SOURCE TO R SEVERN ESTUARY  Reference: AN0216401  Permit Version: 1  Effective Date: 23rd April 1990  Issued Date: 23rd April 1990  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Pumping Station - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Nantymoor Brook  <b>Status: Effective</b>  Positional Accuracy: Located by supplier to within 100m</p>	A10NE (NW)	146	2	327690 184340
3	<p><b>Discharge Consents</b></p> <p>Operator: Lg Electronics Wales Ltd  Property Type: General Construction Work  Location: Imperial Park (Pt2) Newport  Authority: Natural Resources Wales  Catchment Area: Broadway Reen  Reference: AN0269102  Permit Version: 1  Effective Date: 7th November 1996  Issued Date: 7th November 1996  Revocation Date: 1st September 1999  Discharge Type: Trade Effluent  Discharge: Not Supplied  Environment:  Receiving Water: Nant Y Moor Reen  <b>Status: Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A10SE (S)	141	2	327873 183775
3	<p><b>Discharge Consents</b></p> <p>Operator: Lg Electronics Wales Ltd  Property Type: General Construction Work  Location: Imperial Park (Pt1) Newport  Authority: Natural Resources Wales  Catchment Area: Broadway Reen  Reference: AN0269101  Permit Version: 1  Effective Date: 7th November 1996  Issued Date: 7th November 1996  Revocation Date: 1st September 1999  Discharge Type: Trade Effluent  Discharge: Not Supplied  Environment:  Receiving Water: Nant Y Moor Reen  <b>Status: Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A10SE (S)	142	2	327876 183775

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	<p><b>Discharge Consents</b></p> <p>Operator: Costain Building &amp; Civil Engineering Ltd  Property Type: Undefined Or Other  Location: Area 3 - Final Effluent West Duffry, West Duffryn Link Road Newport, Newport  Authority: Natural Resources Wales  Catchment Area: Broadway Reen  Reference: An0269703  Permit Version: 1  Effective Date: 2nd December 1996  Issued Date: 2nd December 1996  Revocation Date: 13th August 1997  Discharge Type: Trade Effluent  Discharge: Not Supplied  Environment:  Receiving Water: Nant Y Moor Reen  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 100m</p>	A6NE (S)	195	2	327878 183721
4	<p><b>Discharge Consents</b></p> <p>Operator: Lg Electronics  Property Type: Basic Electrical Equipment  Location: Water Treatment Area 1 Lg Electroni, Lg Electronics Phase 1 Celtic La, Celtic Lakes Newport  Authority: Natural Resources Wales  Catchment Area: Not Given  Reference: AN027780101  Permit Version: 1  Effective Date: 13th November 1997  Issued Date: 13th November 1997  Revocation Date: 29th May 2007  Discharge Type: Trade Effluent  Discharge: Not Supplied  Environment:  Receiving Water: Nant Y Moor Reen  <b>Status: Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A6NE (S)	196	2	327879 183720
5	<p><b>Discharge Consents</b></p> <p>Operator: Mr &amp; Mrs Balatchly  Property Type: Domestic Property (Single)  Location: 1 Nantymor Cott Blacksmiths Way, 1 Nantymore Cottages, Blacksmiths Way Coed Kernew, Newport, Np10 8tr  Authority: Natural Resources Wales  Catchment Area: Not Supplied  Reference: An029730101  Permit Version: 1  Effective Date: 13th June 2000  Issued Date: 13th June 2000  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Nant Y Moor Brook  <b>Status: New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A14SW (NW)	320	2	327600 184500
6	<p><b>Discharge Consents</b></p> <p>Operator: Jeff Perren  Property Type: Not Supplied  Location: Celtic Way Celtic Lakes Newport, Np1 9un  Authority: Natural Resources Wales  Catchment Area: BROADWAY REEN - SOURCE TO R SEVERN ESTUARY  Reference: An0281501  Permit Version: 1  Effective Date: 11th May 1998  Issued Date: 11th May 1998  Revocation Date: Not Supplied  Discharge Type: Trade And Other Matter Discharge  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Percoed Reen  <b>Status: Effective</b>  Positional Accuracy: Located by supplier to within 10m</p>	A11SE (SE)	348	2	328460 183790

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	<p><b>Discharge Consents</b></p> <p>Operator: Jeff Perren  Property Type: Domestic Type Electrical Equipment  Location: Celtic Way Celtic Lakes Newport, Np1 9un  Authority: Natural Resources Wales  Catchment Area: Broadway Reen  Reference: AN028150101  Permit Version: 1  Effective Date: 11th May 1998  Issued Date: 11th May 1998  Revocation Date: Not Supplied  Discharge Type: Trade Effluent  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Percoed Reen  <b>Status: New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A11SE (SE)	348	2	328460 183790
7	<p><b>Discharge Consents</b></p> <p>Operator: Jeff Perren  Property Type: Not Supplied  Location: Celtic Way Celtic Lakes Newport, Np1 9un  Authority: Natural Resources Wales  Catchment Area: BROADWAY REEN - SOURCE TO R SEVERN ESTUARY  Reference: An0281601  Permit Version: 1  Effective Date: 11th May 1998  Issued Date: 11th May 1998  Revocation Date: Not Supplied  Discharge Type: Trade And Other Matter Discharge  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Percoed Reen  <b>Status: Effective</b>  Positional Accuracy: Located by supplier to within 10m</p>	A11SE (E)	352	2	328560 183870
7	<p><b>Discharge Consents</b></p> <p>Operator: Jeff Perren  Property Type: Domestic Type Electrical Equipment  Location: Celtic Way Celtic Lakes Newport, Np1 9un  Authority: Natural Resources Wales  Catchment Area: Broadway Reen  Reference: AN028160101  Permit Version: 1  Effective Date: 11th May 1998  Issued Date: 11th May 1998  Revocation Date: Not Supplied  Discharge Type: Trade Effluent  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Percoed Reen  <b>Status: New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A11SE (E)	352	2	328560 183870
8	<p><b>Discharge Consents</b></p> <p>Operator: Welsh Government  Property Type: Sewerage Network - Pumping Staions  Location: Celtic Lakes Development Dyffryn N, Dyffryn Newport  Authority: Natural Resources Wales  Catchment Area: BROADWAY REEN - SOURCE TO R SEVERN ESTUARY  Reference: An0228001  Permit Version: 1  Effective Date: 3rd October 1991  Issued Date: 3rd October 1991  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Sewage Treatment Works Storm Overflow/Storm Tank - Not Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Unnamed Reen  <b>Status: Effective</b>  Positional Accuracy: Located by supplier to within 10m</p>	A11SE (E)	362	2	328600 183910

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	<p><b>Discharge Consents</b></p> <p>Operator: Newport County Borough Council  Property Type: Sewerage Network - Pumping Station - Water Company  Location: Celtic Lakes Development Dyffryn N, Dyffryn Newport  Authority: Natural Resources Wales  Catchment Area: Not Given  Reference: AN0228001  Permit Version: 1  Effective Date: 3rd October 1991  Issued Date: 3rd October 1991  Revocation Date: Not Supplied  Discharge Type: Storm sewage overflow discharge  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Unnamed Reen  <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A11SE (E)	362	2	328600 183910
9	<p><b>Discharge Consents</b></p> <p>Operator: Managing Director  Property Type: Sewerage Network - Pumping Station - Others  Location: A Sps At Blacksmiths Way Coedkernew, A Sewage Pumping Station, Blacksmiths Way, Coedkernew, Nr Newport, Np10 8tr  Authority: Natural Resources Wales  Catchment Area: Not Supplied  Reference: An0337301  Permit Version: 1  Effective Date: 15th August 2003  Issued Date: 15th August 2003  Revocation Date: 10th March 2009  Discharge Type: Sewage Discharges - Sludge - Not Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: The Nant Y Moor Brook  <b>Status: Lapsed (under Environment Act 1995, Schedule 23)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14SW (NW)	415	2	327601 184597
10	<p><b>Discharge Consents</b></p> <p>Operator: Costain Building &amp; Civil Engineering Ltd  Property Type: Undefined Or Other  Location: Area 4 - Final Effluent West Duffry, West Duffryn Link Road Newport, Newport  Authority: Natural Resources Wales  Catchment Area: Broadway Reen  Reference: An0269704  Permit Version: 1  Effective Date: 2nd December 1996  Issued Date: 2nd December 1996  Revocation Date: 13th August 1997  Discharge Type: Trade Effluent  Discharge: Not Supplied  Environment:  Receiving Water: Tributary Of The Percoed Reen  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 100m</p>	A7NW (SE)	418	2	328158 183603
11	<p><b>Discharge Consents</b></p> <p>Operator: Lg Electronics  Property Type: Domestic Type Electrical Equipment  Location: Water Treatment Area 2 Lg Electroni, Lg Electronics Phase 1 Celtic La, Celtic Lakes Newport  Authority: Natural Resources Wales  Catchment Area: Not Given  Reference: AN027790101  Permit Version: 1  Effective Date: 13th November 1997  Issued Date: 13th November 1997  Revocation Date: 29th May 2007  Discharge Type: Trade Effluent  Discharge: Not Supplied  Environment:  Receiving Water: Percoed Reen  <b>Status: Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A7NW (SE)	425	2	328241 183626

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	<p><b>Discharge Consents</b></p> <p>Operator: National Grid Plc  Property Type: Production &amp; Distribution Of Electricity  Location: Imperial Park 400/33kv Substation C, Substation Celtic Way Newport  Authority: Natural Resources Wales  Catchment Area: Broadway Reen  Reference: AN027930101  Permit Version: 1  Effective Date: 28th January 1998  Issued Date: 28th January 1998  Revocation Date: 13th April 2011  Discharge Type: Trade Discharges - Site Drainage  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Percoid Reen  <b>Status: Surrendered under EPR 2010</b>  Positional Accuracy: Located by supplier to within 100m</p>	A11SE (E)	430	2	328620 183820
13	<p><b>Discharge Consents</b></p> <p>Operator: Bovis Homes Ltd  Property Type: Sewerage Network - Pumping Station - Water Company  Location: Little Pencarn Farm Ps Duffryn New, Duffryn Newport  Authority: Natural Resources Wales  Catchment Area: Not Given  Reference: AN0238401  Permit Version: 1  Effective Date: 9th November 1992  Issued Date: 9th November 1992  Revocation Date: 15th August 2008  Discharge Type: Unspecified  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Pencoed Reen  <b>Status: Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A12SW (E)	484	2	328750 183950
14	<p><b>Discharge Consents</b></p> <p>Operator: Lg Electronics Wales Ltd  Property Type: General Construction Work  Location: Imperial Park (Pt3) Newport  Authority: Natural Resources Wales  Catchment Area: Broadway Reen  Reference: AN0269103  Permit Version: 1  Effective Date: 7th November 1996  Issued Date: 7th November 1996  Revocation Date: 1st September 1999  Discharge Type: Trade Effluent  Discharge: Not Supplied  Environment:  Receiving Water: Nant Y Moor Reen  <b>Status: Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A7NE (SE)	528	2	328585 183656
15	<p><b>Discharge Consents</b></p> <p>Operator: Manweb Services Ltd  Property Type: SUB-STATION/ELECTRICITY/GAS/AIR CONDITIONING SUPPLY  Location: Duffryn 33/11kv Substation Celtic W, Celtic Way Newport  Authority: Natural Resources Wales  Catchment Area: BROADWAY REEN - SOURCE TO R SEVERN ESTUARY  Reference: An0279501  Permit Version: 1  Effective Date: 28th January 1998  Issued Date: 28th January 1998  Revocation Date: Not Supplied  Discharge Type: Trade Discharges - Site Drainage  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Percoid Reen  <b>Status: Effective</b>  Positional Accuracy: Located by supplier to within 10m</p>	A7NE (SE)	532	2	328550 183630

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	<p><b>Discharge Consents</b></p> <p>Operator: Manweb Services Ltd  Property Type: Production &amp; Distribution Of Electricity  Location: Duffryn 33/11kv Substation Celtic W, Celtic Way Newport  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 56 &amp; HA 57  Reference: AN027950101  Permit Version: 1  Effective Date: 28th January 1998  Issued Date: 28th January 1998  Revocation Date: Not Supplied  Discharge Type: Trade Discharges - Site Drainage  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Percoed Reen  <b>Status:</b> <b>New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A7NE (SE)	532	2	328550 183630
15	<p><b>Discharge Consents</b></p> <p>Operator: Lg Electronics Wales Ltd  Property Type: General Construction Work  Location: Imperial Park (Pt4) Newport  Authority: Natural Resources Wales  Catchment Area: Broadway Reen  Reference: AN0269104  Permit Version: 1  Effective Date: 7th November 1996  Issued Date: 7th November 1996  Revocation Date: 1st September 1999  Discharge Type: Trade Effluent  Discharge: Not Supplied  Environment:  Receiving Water: Percoed Reen  <b>Status:</b> <b>Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A7NE (SE)	570	2	328562 183593
16	<p><b>Discharge Consents</b></p> <p>Operator: L G Semicon Wales Ltd  Property Type: General Construction Work  Location: Imperial Park (Pt5) Newport  Authority: Natural Resources Wales  Catchment Area: Broadway Reen  Reference: An0269105  Permit Version: 1  Effective Date: 7th November 1996  Issued Date: 7th November 1996  Revocation Date: 9th December 1998  Discharge Type: Trade Effluent  Discharge: Not Supplied  Environment:  Receiving Water: Percoed Reen  <b>Status:</b> <b>Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A8NW (SE)	604	2	328766 183724
17	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewage Disposal Works - Water Company  Location: Pencarn Lane Stw  Authority: Natural Resources Wales  Catchment Area: Hawse Reen  Reference: AN0179001  Permit Version: 1  Effective Date: 19th October 1989  Issued Date: 19th October 1989  Revocation Date: 31st March 2007  Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company  Discharge: Land/Soakaway  Environment:  Receiving Water: Soakaway  <b>Status:</b> <b>Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A16SW (NE)	639	2	328700 184700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	<p><b>Discharge Consents</b></p> <p>Operator: L G Semicon Wales Ltd  Property Type: General Construction Work  Location: Imperial Park (Pt6) Newport  Authority: Natural Resources Wales  Catchment Area: Broadway Reen  Reference: An0269106  Permit Version: 1  Effective Date: 7th November 1996  Issued Date: 7th November 1996  Revocation Date: 9th December 1998  Discharge Type: Trade Effluent  Discharge: Not Supplied  Environment:  Receiving Water: Percoed Reen  <b>Status: Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A12SW (E)	662	2	328905 183855
19	<p><b>Discharge Consents</b></p> <p>Operator: R Peel  Property Type: Domestic Property (Single)  Location: Coed Kernew - Berryhill Farm (  Authority: Natural Resources Wales  Catchment Area: Broadway Reen  Reference: An0030201  Permit Version: 1  Effective Date: 25th June 1987  Issued Date: 25th June 1987  Revocation Date: 30th March 1994  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Soakaway  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 100m</p>	A9NW (W)	733	2	326900 184300
20	<p><b>Discharge Consents</b></p> <p>Operator: L G Semicon Wales Ltd  Property Type: General Construction Work  Location: Imperial Park (Pt7) Newport  Authority: Natural Resources Wales  Catchment Area: Broadway Reen  Reference: An0269107  Permit Version: 1  Effective Date: 7th November 1996  Issued Date: 7th November 1996  Revocation Date: 9th December 1998  Discharge Type: Trade Effluent  Discharge: Not Supplied  Environment:  Receiving Water: Percoed Reen  <b>Status: Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A12SE (E)	743	2	329020 183967
21	<p><b>Discharge Consents</b></p> <p>Operator: Rebecca Bushrod And Philip Sheen  Property Type: Domestic Property (Single)  Location: Barn 4 Tyn Y Brwyn Farm Coedkernew, Tyn Y Brwyn Farm, Gwent, Np10 8ud  Authority: Natural Resources Wales  Catchment Area: Not Supplied  Reference: An0376901  Permit Version: 1  Effective Date: 17th February 2005  Issued Date: 17th February 2005  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Trib Of Tyn Y Brwyn Reen  <b>Status: New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A9SW (W)	955	2	326673 183777

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	<p><b>Integrated Pollution Controls</b></p> <p>Name: Lg Philips Displays Wales Ltd            Location: LS WALES LTD, Imperial Park, NEWPORT, Gwent, NP10 8ZW            Authority: Environment Agency, Welsh Region            Permit Reference: BG7916            Dated: 22nd September 1999            Process Type: IPC minor (non-substantial) variation to previous variation            Description: 4.4 A (E) processes involving Halogens within the Chemical Industry  <b>Status: Authorisation revoked</b>            Positional Accuracy: Automatically positioned to the address</p>	A11NW (NE)	0	3	328029 184178
22	<p><b>Integrated Pollution Controls</b></p> <p>Name: Lg Philips Displays Wales Ltd            Location: LS WALES LTD, Imperial Park, NEWPORT, Gwent, NP10 8ZW            Authority: Environment Agency, Welsh Region            Permit Reference: BE2654            Dated: 24th November 1998            Process Type: IPC minor (non-substantial) variation to previous variation            Description: 4.5 A (D) Inorganic Chemical processes within the Chemical Industry  <b>Status: Authorisation revoked</b>            Positional Accuracy: Automatically positioned to the address</p>	A11NW (NE)	0	3	328029 184178
22	<p><b>Integrated Pollution Controls</b></p> <p>Name: Lg Philips Displays Wales Ltd            Location: LS WALES LTD, Imperial Park, NEWPORT, Gwent, NP10 8ZW            Authority: Environment Agency, Welsh Region            Permit Reference: BE2646            Dated: 24th November 1998            Process Type: IPC minor (non-substantial) variation to previous variation            Description: 4.4 A (E) processes involving Halogens within the Chemical Industry  <b>Status: Authorisation superseded by a substantial or non substantial variation</b>            Positional Accuracy: Automatically positioned to the address</p>	A11NW (NE)	0	3	328029 184178
22	<p><b>Integrated Pollution Controls</b></p> <p>Name: Lg Philips Displays Wales Ltd            Location: LS WALES LTD, Imperial Park, NEWPORT, Gwent, NP10 8ZW            Authority: Environment Agency, Welsh Region            Permit Reference: BA3870            Dated: 29th April 1998            Process Type: IPC new application            Description: 4.4 A (E) processes involving Halogens within the Chemical Industry  <b>Status: Authorisation superseded by a substantial or non substantial variation</b>            Positional Accuracy: Automatically positioned to the address</p>	A11NW (NE)	0	3	328029 184178
22	<p><b>Integrated Pollution Controls</b></p> <p>Name: Lg Philips Displays Wales Ltd            Location: LS WALES LTD, Imperial Park, NEWPORT, Gwent, NP10 8ZW            Authority: Environment Agency, Welsh Region            Permit Reference: BA3888            Dated: 23rd March 1998            Process Type: IPC major (substantial) variation            Description: 4.5 A (D) Inorganic Chemical processes within the Chemical Industry  <b>Status: Authorisation superseded by a substantial or non substantial variation</b>            Positional Accuracy: Automatically positioned to the address</p>	A11NW (NE)	0	3	328029 184178
22	<p><b>Integrated Pollution Controls</b></p> <p>Name: Lg Philips Displays Wales Ltd            Location: LS WALES LTD, Imperial Park, NEWPORT, Gwent, NP10 8ZW            Authority: Environment Agency, Welsh Region            Permit Reference: AZ5537            Dated: 21st October 1997            Process Type: IPC new application            Description: 4.5 A (D) Inorganic Chemical processes within the Chemical Industry  <b>Status: Authorisation superseded by a substantial or non substantial variation</b>            Positional Accuracy: Automatically positioned to the address</p>	A11NW (NE)	0	3	328029 184178
23	<p><b>Integrated Pollution Controls</b></p> <p>Name: Lg Electronics Wales Ltd            Location: Imperial Park, NEWPORT, Gwent, NP1 9ZY            Authority: Environment Agency, Welsh Region            Permit Reference: BF9182            Dated: 14th April 1999            Process Type: IPC minor (non-substantial) variation to previous variation            Description: 4.5 A (D) Inorganic Chemical processes within the Chemical Industry  <b>Status: Application has met the requirements for authorisation (but not yet authorised)</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A15SE (NE)	603	3	328603 184743

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	<p><b>Integrated Pollution Prevention And Control</b></p> <p>Name: Newport Semiconductor Facility            Location: Imperial Park, Celtic Way, Celtic Lakes, Newport, Newport, Np10 8be            Authority: Natural Resources Wales            Permit Reference: AB3893FZ            Original Permit Ref: Not Supplied            Effective Date: 28th February 2019  <b>Status: Effective</b>            Application Type: Bespoke            App. Sub Type: Not Supplied            Positional Accuracy: Located by supplier to within 10m            Activity Code: 4.2 Part A (1) c) (vi)            Activity Description: Not Supplied            Primary Activity: Y            Activity Code: 0.0 Associated Process            Activity Description: Not Supplied            Primary Activity: N</p>	A15SW (NE)	187	2	328227 184462
25	<p><b>Integrated Pollution Prevention And Control</b></p> <p>Name: Newport Data Centre            Location: Imperial Park, Celtic Way, Marshfield, Newport, NP10 8BE            Authority: Natural Resources Wales            Permit Reference: BB3599CW            Original Permit Ref: Not Supplied            Effective Date: 22nd April 2020  <b>Status: Effective</b>            Application Type: Bespoke            App. Sub Type: Not Supplied            Positional Accuracy: Located by supplier to within 10m            Activity Code: 1.1 A(1) (A)            Activity Description: Not Supplied            Primary Activity: N</p>	A15SW (NE)	303	2	328142 184568
26	<p><b>Integrated Pollution Prevention And Control</b></p> <p>Name: Spp Process Technology Systems Uk Limited            Location: Spis Technologies Limited, Imperial Park, Newport, South Wales, NP10 8UJ            Authority: Natural Resources Wales            Permit Reference: MP3033ZL            Original Permit Ref: Yp3536kv            Effective Date: 22nd February 2013  <b>Status: Surrender Effective</b>            Application Type: Surrender            App. Sub Type: Whole            Positional Accuracy: Automatically positioned to the address            Activity Code: 4.2 A(1) (B)            Activity Description: Inorganic Chemicals; Using Halogens Etc If Release To Air/Water (Unless Otherwise Prescribed) (Unless Chlorination Of Water)            Primary Activity: Y</p>	A16SW (E)	518	2	328735 184423
26	<p><b>Integrated Pollution Prevention And Control</b></p> <p>Name: Surface Technologies Systems Plc            Location: Coedkernew Semi-conductor Growth Kit Manufacturer, Imperial Park, Newport, Gwent, NP10 8UJ            Authority: Natural Resources Wales            Permit Reference: Bu5402in            Original Permit Ref: Bje6747iz            Effective Date: 1st April 2003  <b>Status: Superseded By Variation</b>            Application Type: Variation            App. Sub Type: Minor            Positional Accuracy: Automatically positioned to the address            Activity Code: 4.2 A(1) (B)            Activity Description: Inorganic Chemicals; Using Halogens Etc If Release To Air/Water (Unless Otherwise Prescribed) (Unless Chlorination Of Water)            Primary Activity: Y</p>	A16SW (E)	518	2	328735 184423
26	<p><b>Integrated Pollution Prevention And Control</b></p> <p>Name: Surface Technology Systems Plc            Location: Imperial Park, NEWPORT, Gwent, NP10 8UJ            Authority: Environment Agency, Welsh Region            Permit Reference: Bs8672            Original Permit Ref: Bje6747            Effective Date: 12th August 2002  <b>Status: Superseded By Variation</b>            Application Type: PPC MINOR VARIATION            App. Sub Type: Not Supplied            Positional Accuracy: Automatically positioned to the address            Activity Code: 4.2 A(1) (B)            Activity Description: Inorganic Chemicals; Using Halogens Etc If Release To Air/Water (Unless Otherwise Prescribed) (Unless Chlorination Of Water)            Primary Activity: Not Supplied</p>	A16SW (E)	518	3	328735 184423

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	<p><b>Integrated Pollution Prevention And Control</b></p> <p>Name: Surface Technologies Systems Plc            Location: Coedkernew Semi-conductor Growth Kit Manufacturer, Imperial Park, Newport, Gwent, NP10 8UJ            Authority: Natural Resources Wales            Permit Reference: Bs8672ip            Original Permit Ref: Bj6747iz            Effective Date: 12th August 2002  <b>Status: Superseded By Variation</b>            Application Type: Variation            App. Sub Type: Minor            Positional Accuracy: Automatically positioned to the address            Activity Code: 4.2 A(1) (B)            Activity Description: Inorganic Chemicals; Using Halogens Etc If Release To Air/Water (Unless Otherwise Prescribed) (Unless Chlorination Of Water)            Primary Activity: Y</p>	A16SW (E)	518	2	328735 184423
26	<p><b>Integrated Pollution Prevention And Control</b></p> <p>Name: Surface Technology Systems Plc            Location: Imperial Park, NEWPORT, Gwent, NP10 8UJ            Authority: Environment Agency, Welsh Region            Permit Reference: Bj6747            Original Permit Ref: Bj6747            Effective Date: 8th April 2002  <b>Status: Superseded By Variation</b>            Application Type: PPC APPLICATION            App. Sub Type: Not Supplied            Positional Accuracy: Automatically positioned to the address            Activity Code: 4.2 A(1) (B)            Activity Description: Inorganic Chemicals; Using Halogens Etc If Release To Air/Water (Unless Otherwise Prescribed) (Unless Chlorination Of Water)            Primary Activity: Not Supplied</p>	A16SW (E)	518	3	328735 184423
26	<p><b>Integrated Pollution Prevention And Control</b></p> <p>Name: Surface Technologies Systems Plc            Location: Coedkernew Semi-conductor Growth Kit Manufacturer, Imperial Park, Newport, Gwent, NP10 8UJ            Authority: Natural Resources Wales            Permit Reference: Bj6747iz            Original Permit Ref: Bj6747iz            Effective Date: 8th April 2002  <b>Status: Superseded By Variation</b>            Application Type: Application            App. Sub Type: New            Positional Accuracy: Automatically positioned to the address            Activity Code: 4.2 A(1) (B)            Activity Description: Inorganic Chemicals; Using Halogens Etc If Release To Air/Water (Unless Otherwise Prescribed) (Unless Chlorination Of Water)            Primary Activity: Y</p>	A16SW (E)	518	2	328735 184423
26	<p><b>Integrated Pollution Prevention And Control</b></p> <p>Name: Spp Process Technology Systems Uk Limited            Location: Imperial Park Semiconductor Equipment Plant Ea/Epr/Yp3536kv/T001, Imperial Park, Newport, South Wales, NP10 8UJ            Authority: Natural Resources Wales            Permit Reference: YP3536KV            Original Permit Ref: Yp3536kv            Effective Date: 18th March 2010  <b>Status: Superseded By Variation</b>            Application Type: Transfer            App. Sub Type: Whole limited change in management            Positional Accuracy: Located by supplier to within 10m            Activity Code: 4.2 A(1) (B)            Activity Description: Inorganic Chemicals; Using Halogens Etc If Release To Air/Water (Unless Otherwise Prescribed) (Unless Chlorination Of Water)            Primary Activity: Y</p>	A16SW (E)	522	2	328740 184420
27	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Quinn Radiators Ltd            Location: Imperial Park, Newport, Np10 8zy            Authority: Newport City Council, Public Protection and Environmental Services            Permit Reference: LAPPC/037/06/v2            Dated: 21st December 2006            Process Type: Local Authority Pollution Prevention and Control            Description: PG6/23 Coating of metal and plastic  <b>Status: Permitted</b>            Positional Accuracy: Manually positioned within the geographical locality</p>	A11SW (E)	0	4	328167 184054

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Quinn Radiators Ltd            Location: Imperial Park, Newport, Np10 8zy            Authority: Newport City Council, Public Protection and Environmental Services            Permit Reference: LAPPC/037/06/v1            Dated: Not Supplied            Process Type: Local Authority Pollution Prevention and Control            Description: PG6/31 Powder coating processes ( including sheradizing )  <b>Status: Permitted</b>            Positional Accuracy: Manually positioned within the geographical locality</p>	A14SE (NW)	226	4	327745 184431
29	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Asda Supermarket Plc            Location: Pencarn Way, Coedkernew, NEWPORT, NP10 8XL            Authority: Newport City Council, Public Protection and Environmental Services            Permit Reference: P002/05            Dated: 31st December 1998            Process Type: Local Authority Pollution Prevention and Control            Description: PG1/14 Petrol filling station  <b>Status: Permitted</b>            Positional Accuracy: Manually positioned to the address or location</p>	A16SE (E)	996	4	329176 184607
	<p><b>Nearest Surface Water Feature</b></p>	A10SE (SW)	1	-	327648 183920
30	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Not Given            Location: Dyffryn Link Road Site, NEWPORT            Authority: Environment Agency, Welsh Region            Pollutant: Crude Sewage            Note: Weather            Incident Date: 18th December 1996            Incident Reference: 30850            Catchment Area: Not Given            Receiving Water: Not Given            Cause of Incident: Runoff            Incident Severity: Category 3 - Minor Incident            Positional Accuracy: Located by supplier to within 100m</p>	A10NE (NW)	186	3	327800 184400
31	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Not Given            Location: Duffryn Link Road, BRYN-MAWR            Authority: Environment Agency, Welsh Region            Pollutant: Oils - Diesel (Including Agricultural)            Note: Accidental Spillage/Leakage            Incident Date: 10th December 1996            Incident Reference: 30882            Catchment Area: Not Given            Receiving Water: Not Given            Cause of Incident: Spillage            Incident Severity: Category 3 - Minor Incident            Positional Accuracy: Located by supplier to within 100m</p>	A15NE (NE)	530	3	328300 184800
32	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Not Given            Location: Western Side Of Lg Site            Authority: Environment Agency, Welsh Region            Pollutant: Contaminated Groundwater            Note: Nant Y Moor Reen; Leachate            Incident Date: 10th February 1998            Incident Reference: 34852            Catchment Area: Not Given            Receiving Water: Not Given            Cause of Incident: Unknown            Incident Severity: Category 3 - Minor Incident            Positional Accuracy: Located by supplier to within 100m</p>	A9SW (W)	753	3	326850 184010
33	<p><b>Registered Radioactive Substances</b></p> <p>Name: Dmi Synthesis Ltd            Location: Imperial House, Imperial Park, Celtic Lakes, Newport, Gwent, Np10 8uh            Authority: Natural Resources Wales            Permit Reference: Br6317            Dated: 22nd March 2002            Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)            Description: Minor variation to authorisation under RSA  <b>Status: Authorisation either revoked or cancelled</b>            Positional Accuracy: Manually positioned to the address or location</p>	A16SW (NE)	603	2	328643 184707

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	<p><b>Registered Radioactive Substances</b></p> <p>Name: Bowman Research Ltd            Location: Imperial House, Imperial Way, Coedkernew, Newport, Gwent, NP10 8UH            Authority: Natural Resources Wales            Permit Reference: By7032            Dated: 21st December 2004            Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)            Description: Authorisation under RSA  <b>Status: Authorisation either revoked or cancelled</b>            Positional Accuracy: Automatically positioned to the address</p>	A16SW (NE)	620	2	328644 184729
33	<p><b>Registered Radioactive Substances</b></p> <p>Name: Bowman Research Ltd            Location: Imperial House, Imperial Way, Coedkernew, Newport, Gwent, NP10 8UH            Authority: Natural Resources Wales            Permit Reference: By7067            Dated: 21st December 2004            Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1)            Description: Registration under the Act of multiple open sources which are also the subject of authorisations  <b>Status: Authorisation either revoked or cancelled</b>            Positional Accuracy: Automatically positioned to the address</p>	A16SW (NE)	620	2	328644 184729
33	<p><b>Registered Radioactive Substances</b></p> <p>Name: Dmi Synthesis Ltd            Location: Imperial House, Imperial Park, Celtic Lakes, NEWPORT, Gwent, NP10 8UH            Authority: Natural Resources Wales            Permit Reference: Bi1846            Dated: 8th May 2000            Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)            Description: Authorisation under RSA  <b>Status: Authorisation superseded by a substantial or non substantial variation</b>            Positional Accuracy: Automatically positioned to the address</p>	A16SW (NE)	620	2	328644 184729
33	<p><b>Registered Radioactive Substances</b></p> <p>Name: Dmi Synthesis Ltd            Location: Imperial House, Imperial Park, Celtic Lakes, NEWPORT, Gwent, NP10 8UH            Authority: Natural Resources Wales            Permit Reference: Bi0904            Dated: 29th March 2000            Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1)            Description: Registration under the Act of an open source which is also the subject of an authorisation  <b>Status: Authorisation either revoked or cancelled</b>            Positional Accuracy: Automatically positioned to the address</p>	A16SW (NE)	620	2	328644 184729
	<p><b>River Quality</b></p> <p>Name: Broadway Reen            GQA Grade: River Quality E            Reach: Peterstone Gout - Cydwelly Arch            Estimated Distance (km): 3.3            Flow Rate: Flow less than 0.31 cumecs            Flow Type: River            Year: 2000</p>	A6SW (SW)	708	3	327490 183201

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	<p><b>River Quality Chemistry Sampling Points</b></p> <p>Name: Broadway Reen            Reach: Peterstone Gout To Cydwelly Arch            Estimated Distance: 3.30            Objective: Not Supplied            Positional Accuracy: Located by supplier to within 10m            Year: 1990            GQA Grade: River Quality Chemistry GQA Grade F - Bad            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 E - Poor            Compliance: Not Supplied            Year: 1995            GQA Grade: River Quality Chemistry GQA Grade E - Poor            Compliance: Not Supplied            Year: 1996            GQA Grade: River Quality Chemistry GQA Grade E - Poor            Compliance: Not Supplied            Year: 1997            GQA Grade: River Quality Chemistry GQA Grade E - Poor            Compliance: Not Supplied            Year: 1998            GQA Grade: River Quality Chemistry GQA Grade E - Poor            Compliance: Not Supplied            Year: 1999            GQA Grade: River Quality Chemistry GQA Grade E - Poor            Compliance: Not Supplied            Year: 2000            GQA Grade: River Quality Chemistry GQA Grade E - Poor            Compliance: Not Supplied            Year: 2001            GQA Grade: River Quality Chemistry GQA Grade E - Poor            Compliance: Not Supplied            Year: 2002            GQA Grade: River Quality Chemistry GQA Grade E - Poor            Compliance: Not Supplied            Year: 2003            GQA Grade: River Quality Chemistry GQA Grade E - Poor            Compliance: Not Supplied            Year: 2004            GQA Grade: River Quality Chemistry GQA Grade E - Poor            Compliance: Not Supplied            Year: 2005            GQA Grade: River Quality Chemistry GQA Grade E - Poor            Compliance: Not Supplied            Year: 2006            GQA Grade: River Quality Chemistry GQA Grade E - Poor            Compliance: Not Supplied            Year: 2007            GQA Grade: River Quality Chemistry GQA Grade E - Poor            Compliance: Not Supplied            Year: 2008            GQA Grade: River Quality Chemistry GQA Grade E - Poor            Compliance: Not Supplied            Year: 2009            GQA Grade: River Quality Chemistry GQA Grade D - Fair            Compliance: Not Supplied</p>	A6SW (S)	789	3	327571 183102
35	<p><b>Substantiated Pollution Incident Register</b></p> <p>Authority: Natural Resources Wales            Incident Date: 24th April 2015            Incident Reference: 1331833            Water Impact: Category 4 - No Impact            Air Impact: Category 4 - No Impact            Land Impact: Category 2 - Significant Incident            Positional Accuracy: Located by supplier to within 10m            Pollutant: Specific Waste Materials: Household Waste</p>	A7NW (S)	421	2	328131 183578
36	<p><b>Substantiated Pollution Incident Register</b></p> <p>Authority: Natural Resources Wales            Incident Date: 15th November 2018            Incident Reference: 1807254            Water Impact: Category 4 - No Impact            Air Impact: Category 2 - Significant Incident            Land Impact: Category 3 - Minor Incident            Positional Accuracy: Located by supplier to within 10m            Pollutant: Atmospheric Pollutants and Effects: Smoke</p>	A9SW (W)	840	2	326773 183865

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	<p><b>Water Abstractions</b></p> <p>Operator: Hynix Semiconductor Wales Ltd  Licence Number: 20/56/71/0011  Permit Version: 101  Location: Borehole At Celtic Lakes  Authority: Environment Agency, Welsh Region  Abstraction: Private Non-Industrial Amenity: Make-Up Or Top Up Water  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Borehole - Depth 50M Dia 105Mm  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 1st September 1999  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	A11NE (E)	236	3	328500 184250
	<p><b>Water Abstractions</b></p> <p>Operator: Mr R Baker  Licence Number: 20/56/61/0002  Permit Version: 100  Location: Well At Graig Farm  Authority: Environment Agency, Welsh Region  Abstraction: General Farming And Domestic  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Not Supplied  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 28th September 2006  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	(N)	1723	3	327950 185980
	<p><b>Water Abstractions</b></p> <p>Operator: Mr &amp; Mrs K Doohar  Licence Number: 20/56/71/0007  Permit Version: 100  Location: Spring At Court Farm  Authority: Environment Agency, Welsh Region  Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden)  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Not Supplied  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 15th April 1988  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	(W)	1814	3	325800 183800
	<p><b>Water Abstractions</b></p> <p>Operator: Messrs Cawley &amp; Nippers  Licence Number: 20/56/71/0001  Permit Version: 100  Location: Spring At Court Farm  Authority: Environment Agency, Welsh Region  Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden)  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Spring At Court Farm  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 1st July 1984  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	(W)	1814	3	325800 183795

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Groundwater Vulnerability Map</b> Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: High	A10NE (NW)	0	2	327932 184095
	<b>Groundwater Vulnerability Map</b> Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: 3-10m Superficial Recharge: High	A11SW (SE)	0	2	328136 184000
	<b>Groundwater Vulnerability Map</b> Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: 3-10m Superficial Recharge: High	A11NW (E)	0	2	328000 184095
	<b>Groundwater Vulnerability Map</b> Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: 3-10m Superficial Recharge: High	A10SE (S)	0	2	327932 184000
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	A10NE (NW)	0	2	327932 184095
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - B	A11SW (SE)	0	2	328136 183999
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	A10NE (NW)	0	2	327932 184095
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A10SE (SW)	2	2	327842 183909

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A10SE (SW)	5	2	327842 183904
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A6NE (S)	241	2	327887 183644
	<b>Areas Benefiting from Flood Defences</b> Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A10SE (SW)	5	2	327842 183904
	<b>Flood Water Storage Areas</b> None				
	<b>Flood Defences</b> None				
38	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 332.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant-y-moor Reen Catchment Name: Reens West Primacy: 1	A10SE (SW)	2	5	327645 183922
39	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 383.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant-y-moor Reen Catchment Name: Reens West Primacy: 1	A10NW (W)	3	5	327608 184123
40	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 6.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant-y-moor Reen Catchment Name: Reens West Primacy: 1	A10SE (SW)	10	5	327627 183938
41	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant-y-moor Reen Catchment Name: Reens West Primacy: 2	A10SE (SW)	10	5	327625 183943
42	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 30.8 Watercourse Level: Underground Permanent: True Watercourse Name: Nant-y-moor Reen Catchment Name: Reens West Primacy: 2	A10SE (W)	11	5	327615 183972
43	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 6.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant-y-moor Reen Catchment Name: Reens West Primacy: 2	A10SE (W)	12	5	327615 183972
44	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant-y-moor Reen Catchment Name: Reens West Primacy: 1	A10SE (W)	13	5	327611 183975

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 30.7 Watercourse Level: Underground Permanent: True Watercourse Name: Nant-y-moor Reen Catchment Name: Reens West Primacy: 1	A10SE (W)	15	5	327612 183971
46	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 76.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A11SW (SE)	15	5	328053 183998
47	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 23.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A11SW (SE)	22	5	327981 183988
48	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 52.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A11SW (SE)	24	5	328004 183987
49	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 72.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A11SW (SE)	26	5	328004 183987
50	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 332.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A10NW (W)	39	5	327578 184134
51	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 212.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A11SW (E)	40	5	328248 184025
52	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 30.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A10SE (S)	61	5	327839 183851
53	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 77.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A11SW (SE)	83	5	328049 183938

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
54	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 1.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A10SE (S)	91	5	327849 183822
55	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 88.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A10SE (S)	93	5	327849 183820
56	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 46.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A10NE (NW)	135	5	327620 184316
57	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 51.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6NE (SW)	154	5	327620 183740
58	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 12.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A10NE (NW)	169	5	327632 184353
59	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 234.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant-y-moor Reen Catchment Name: Reens West Primacy: 1	A10NE (NW)	169	5	327632 184353
60	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 15.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A10SE (S)	176	5	327897 183744
61	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 13.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A6NE (S)	179	5	327882 183738
62	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 63.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A10NE (NW)	180	5	327623 184362

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 52.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant-y-moor Reen Catchment Name: Reens West Primacy: 1	A6NE (S)	190	5	327876 183726
64	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6NE (SW)	203	5	327617 183690
65	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 92.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6NE (SW)	207	5	327617 183686
66	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 194.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant-y-moor Reen Catchment Name: Reens West Primacy: 1	A6NE (S)	237	5	327904 183683
67	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 1.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6NE (S)	237	5	327906 183683
68	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 181.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6NE (S)	238	5	327912 183683
69	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 201.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A11SW (SE)	239	5	328230 183813
70	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 58.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A11SE (SE)	250	5	328342 183838
71	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 5.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A10SW (W)	251	5	327354 184034

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
72	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 113.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A11SE (SE)	253	5	328431 183884
73	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 203.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A10SW (W)	256	5	327350 184037
74	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 164.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6NE (S)	285	5	327818 183619
75	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 48.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A11SE (E)	299	5	328522 183900
76	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 26.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A11SE (SE)	307	5	328372 183788
77	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 71.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A11SE (SE)	307	5	328372 183788
78	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 376.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7NW (S)	335	5	328071 183641
79	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 221.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A11SE (SE)	349	5	328440 183777
80	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 53.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7NE (SE)	349	5	328403 183739

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
81	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 124.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A11SE (SE)	349	5	328533 183845
82	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 263.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A11SE (SE)	351	5	328489 183805
83	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 62.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A11SE (SE)	352	5	328474 183794
84	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 28.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A14SE (NW)	353	5	327677 184548
85	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 29.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A14SE (NW)	356	5	327696 184554
86	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 145.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A7NE (SE)	365	5	328357 183690
87	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 2.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7NW (S)	371	5	328000 183568
88	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 274.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant-y-moor Reen Catchment Name: Reens West Primacy: 1	A7NW (S)	371	5	328000 183568
89	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 62.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7NW (S)	373	5	328001 183565

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
90	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 55.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SW (E)	376	5	328627 183930
91	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 12.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant-y-moor Brook Catchment Name: Reens West Primacy: 1	A14SE (NW)	377	5	327646 184567
92	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A14SE (NW)	377	5	327649 184568
93	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 21.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A14SE (NW)	378	5	327669 184575
94	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 57.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SW (E)	379	5	328628 183926
95	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 1.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A14SE (NW)	381	5	327669 184575
96	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 30.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A14SE (NW)	382	5	327670 184576
97	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 18.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A14SE (NW)	382	5	327688 184582
98	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 227.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SW (E)	383	5	328652 183974

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
99	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 28.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SW (E)	383	5	328652 183974
100	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 18.0 Watercourse Level: Underground Permanent: True Watercourse Name: Nant-y-moor Brook Catchment Name: Reens West Primacy: 1	A14SE (NW)	384	5	327635 184572
101	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 23.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A14SE (NW)	385	5	327688 184582
102	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 182.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A11SE (SE)	389	5	328509 183773
103	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 49.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SW (E)	392	5	328668 183998
104	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 8.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SW (E)	392	5	328668 183998
105	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 199.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cowleaze Reen Catchment Name: Reens West Primacy: 1	A9NE (W)	393	5	327217 184080
106	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 36.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SW (E)	394	5	328672 184009
107	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 42.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant-y-moor Brook Catchment Name: Reens West Primacy: 1	A14SE (NW)	395	5	327618 184580

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
108	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 19.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7NW (S)	400	5	327951 183526
109	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 1.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7NW (S)	400	5	327951 183526
110	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 248.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7NW (S)	401	5	327952 183525
111	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 104.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A7NW (SE)	403	5	328221 183619
112	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 8.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SW (E)	414	5	328698 184039
113	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 15.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A9SE (W)	414	5	327191 183959
114	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 30.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SW (E)	422	5	328706 184040
115	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 181.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SW (E)	422	5	328706 184040
116	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 166.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cowleaze Reen Catchment Name: Reens West Primacy: 1	A9SE (W)	427	5	327177 183964

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
117	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 7.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SW (E)	428	5	328657 183877
118	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 189.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A7NE (SE)	429	5	328303 183633
119	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 52.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant-y-moor Brook Catchment Name: Reens West Primacy: 1	A14SW (NW)	431	5	327595 184613
120	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 257.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A14SW (NW)	431	5	327595 184613
121	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 91.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6NW (SW)	441	5	327565 183457
122	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 50.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SW (E)	442	5	328666 183865
123	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 1.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SW (E)	442	5	328666 183865
124	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 62.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SW (E)	443	5	328666 183863
125	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 252.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SW (E)	448	5	328729 184021

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
126	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 89.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SW (E)	448	5	328729 184021
127	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 51.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6NW (SW)	449	5	327353 183571
128	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 137.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7NW (S)	457	5	328097 183515
129	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 115.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant-y-moor Brook Catchment Name: Reens West Primacy: 1	A14SW (NW)	481	5	327569 184659
130	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 42.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SW (SE)	487	5	328665 183785
131	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 7.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6NW (SW)	489	5	327302 183568
132	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 192.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6NE (S)	491	5	327863 183418
133	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 50.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6NW (SW)	495	5	327295 183568
134	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 52.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SW (E)	499	5	328699 183810

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
135	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A9SE (W)	504	5	327134 183811
136	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 8.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cowleaze Reen Catchment Name: Reens West Primacy: 1	A9SE (W)	507	5	327132 183809
137	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 199.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6SE (S)	514	5	327760 183377
138	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 84.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cowleaze Reen Catchment Name: Reens West Primacy: 1	A9SE (W)	515	5	327125 183806
139	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 5.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SW (E)	522	5	328809 184062
140	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 11.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A14SW (NW)	526	5	327338 184621
141	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 32.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SW (E)	527	5	328814 184063
142	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 8.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cowleaze Reen Catchment Name: Reens West Primacy: 1	A5NE (SW)	531	5	327148 183724
143	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 81.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A14SW (NW)	533	5	327326 184622

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
144	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 217.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6SE (S)	536	5	327641 183350
145	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 25.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7NE (SE)	536	5	328567 183635
146	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 67.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5NE (SW)	536	5	327146 183716
147	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 25.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cowleaze Reen Catchment Name: Reens West Primacy: 1	A5NE (SW)	536	5	327146 183716
148	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 10.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5NE (SW)	536	5	327245 183564
149	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 32.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SW (SE)	538	5	328699 183746
150	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 39.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7NE (SE)	544	5	328549 183615
151	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 11.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7NW (SE)	546	5	328226 183492
152	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 43.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5NE (SW)	546	5	327235 183560

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
153	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 18.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SW (SE)	547	5	328726 183765
154	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 367.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6SW (SW)	548	5	327554 183350
155	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 117.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cowleaze Reen Catchment Name: Reens West Primacy: 1	A5NE (SW)	552	5	327147 183683
156	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 9.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cowleaze Reen Catchment Name: Reens West Primacy: 1	A5NE (SW)	552	5	327143 183691
157	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 83.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7NE (SE)	554	5	328578 183613
158	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 97.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NW (SE)	555	5	328664 183686
159	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 1.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SW (E)	556	5	328843 184076
160	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 9.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7NW (SE)	557	5	328231 183483
161	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 49.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SW (E)	557	5	328844 184075

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
162	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 29.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7NE (SE)	559	5	328440 183544
163	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 5.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7NE (SE)	561	5	328486 183561
164	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7NE (SE)	561	5	328578 183613
165	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 12.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7NE (SE)	563	5	328578 183610
166	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 2.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SW (SE)	565	5	328736 183750
167	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 15.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7NE (SE)	567	5	328488 183555
168	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 78.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7NW (SE)	567	5	328237 183475
169	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 73.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SW (SE)	567	5	328738 183750
170	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 10.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7NE (SE)	575	5	328583 183599

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
171	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 122.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant-y-moor Brook Catchment Name: Reens West Primacy: 1	A14SW (NW)	577	5	327498 184742
172	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 216.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12NW (E)	579	5	328868 184122
173	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 37.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Percoed Reen Catchment Name: Reens West Primacy: 1	A7NE (SE)	582	5	328462 183522
174	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 80.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Percoed Reen Catchment Name: Reens West Primacy: 1	A7NE (SE)	582	5	328494 183541
175	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 2.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7NE (SE)	583	5	328565 183579
176	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 26.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Percoed Reen Catchment Name: Reens West Primacy: 1	A7NE (SE)	585	5	328566 183578
177	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 30.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NW (SE)	585	5	328749 183734
178	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5NE (SW)	585	5	327201 183542
179	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 201.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A13SE (NW)	586	5	327245 184627

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
180	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 55.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A13SE (NW)	586	5	327245 184627
181	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 1.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7NE (SE)	586	5	328462 183523
182	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 220.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Percoed Reen Catchment Name: Reens West Primacy: 1	A7NE (SE)	586	5	328588 183590
183	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 5.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SW (E)	586	5	328794 183798
184	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SW (E)	588	5	328798 183801
185	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 18.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Percoed Reen Catchment Name: Reens West Primacy: 1	A7NE (SE)	588	5	328447 183511
186	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 42.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SW (E)	589	5	328800 183803
187	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 15.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5NE (SW)	589	5	327199 183538
188	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 168.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7NE (SE)	590	5	328381 183462

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
189	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 24.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7NE (SE)	590	5	328525 183548
190	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 67.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Percoed Reen Catchment Name: Reens West Primacy: 1	A7NE (SE)	592	5	328388 183477
191	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 24.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7NE (SE)	594	5	328549 183557
192	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 62.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5NE (SW)	596	5	327181 183551
193	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 133.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7NE (SE)	599	5	328581 183563
194	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 32.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5NE (SW)	602	5	327194 183522
195	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 128.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Percoed Reen Catchment Name: Reens West Primacy: 1	A7NE (SE)	603	5	328333 183443
196	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 8.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7NE (SE)	603	5	328573 183560
197	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 84.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5NE (SW)	604	5	327189 183526

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
198	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 7.7 Watercourse Level: Underground Permanent: True Watercourse Name: Cowleaze Reen Catchment Name: Reens West Primacy: 1	A5NE (SW)	604	5	327158 183569
199	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cowleaze Reen Catchment Name: Reens West Primacy: 1	A5NE (SW)	604	5	327161 183566
200	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 4.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cowleaze Reen Catchment Name: Reens West Primacy: 1	A5NE (SW)	604	5	327161 183565
201	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 10.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cowleaze Reen Catchment Name: Reens West Primacy: 1	A5NE (SW)	606	5	327162 183561
202	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 371.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NW (SE)	608	5	328678 183627
203	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 2.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5NE (SW)	608	5	327204 183499
204	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 33.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5NE (SW)	609	5	327205 183497
205	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 80.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Percoed Reen Catchment Name: Reens West Primacy: 1	A8NW (SE)	614	5	328771 183713
206	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 26.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cowleaze Reen Catchment Name: Reens West Primacy: 1	A5NE (SW)	615	5	327157 183551

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
207	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 408.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7NE (SE)	618	5	328329 183432
208	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 76.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Blackwall Reen Catchment Name: Reens West Primacy: 1	A12NW (E)	620	5	328861 184379
209	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 183.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A16SW (NE)	623	5	328743 184620
210	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 1.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5NE (SW)	624	5	327213 183465
211	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 13.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A13SE (NW)	625	5	327189 184630
212	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 5.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5NE (SW)	626	5	327212 183463
213	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 176.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NW (E)	627	5	328807 183740
214	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 110.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Percoed Reen Catchment Name: Reens West Primacy: 1	A12SW (E)	629	5	328827 183770
215	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 76.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A16SW (NE)	629	5	328825 184493

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
216	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 133.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Percoed Reen Catchment Name: Reens West Primacy: 1	A7SW (SE)	631	5	328249 183397
217	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 81.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Percoed Reen Catchment Name: Reens West Primacy: 1	A7SW (S)	632	5	328159 183351
218	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 9.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A13SE (NW)	635	5	327176 184631
219	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 1.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7SW (S)	637	5	328085 183315
220	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 206.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6SW (SW)	637	5	327458 183285
221	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 374.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7SW (S)	638	5	328217 183373
222	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 120.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Percoed Reen Catchment Name: Reens West Primacy: 1	A7SW (S)	638	5	328087 183315
223	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 9.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A13SE (NW)	641	5	327167 184630
224	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 259.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7SW (S)	641	5	328223 183375

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
225	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 10.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cowleaze Reen Catchment Name: Reens West Primacy: 1	A5NE (SW)	641	5	327136 183535
226	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 77.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6SW (SW)	643	5	327449 183282
227	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 25.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A16SW (E)	644	5	328869 184423
228	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 36.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A16SW (E)	645	5	328867 184429
229	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 155.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A13SE (NW)	648	5	327157 184630
230	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 194.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NW (SE)	649	5	328698 183590
231	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 108.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NW (SE)	649	5	328708 183599
232	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 33.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cowleaze Reen Catchment Name: Reens West Primacy: 1	A5NE (SW)	652	5	327126 183532
233	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 112.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Percoed Reen Catchment Name: Reens West Primacy: 1	A7SW (S)	663	5	327978 183264

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
234	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 132.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5NE (SW)	666	5	327065 183597
235	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 168.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Percoed Reen Catchment Name: Reens West Primacy: 1	A12SW (E)	669	5	328909 183844
236	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 7.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A16SW (E)	680	5	328897 184449
237	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 68.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cowleaze Reen Catchment Name: Reens West Primacy: 1	A5NE (SW)	682	5	327110 183503
238	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 166.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A16SW (E)	687	5	328904 184453
239	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 308.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ffynnon-wen Reen Catchment Name: Reens West Primacy: 2	A12NW (E)	690	5	328923 184414
240	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 159.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SW (E)	692	5	328938 183859
241	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 101.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SW (E)	692	5	328938 183859
242	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 122.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Percoed Reen Catchment Name: Reens West Primacy: 1	A6SE (S)	693	5	327876 183216

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
243	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 8.1 Watercourse Level: Underground Permanent: True Watercourse Name: Blackwall Reen Catchment Name: Reens West Primacy: 1	A16SW (E)	693	5	328922 184424
244	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 125.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6SW (SW)	695	5	327488 183215
245	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 141.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6SW (SW)	695	5	327488 183215
246	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 324.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6SE (S)	698	5	327886 183212
247	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 2.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6SE (S)	698	5	327886 183212
248	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 285.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant-y-moor Brook Catchment Name: Reens West Primacy: 1	A14NW (NW)	699	5	327472 184862
249	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 137.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6SE (S)	700	5	327886 183210
250	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 166.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5NE (SW)	700	5	327133 183441
251	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 6.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cowleaze Reen Catchment Name: Reens West Primacy: 1	A5NE (SW)	700	5	327133 183441

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
252	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 176.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Blackwall Reen Catchment Name: Reens West Primacy: 1	A16SW (E)	701	5	328929 184429
253	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 8.6 Watercourse Level: Underground Permanent: True Watercourse Name: Cowleaze Reen Catchment Name: Reens West Primacy: 1	A5NE (SW)	701	5	327137 183436
254	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 107.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cowleaze Reen Catchment Name: Reens West Primacy: 1	A5NE (SW)	702	5	327144 183426
255	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 165.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A9SW (W)	718	5	326885 183980
256	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 354.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A9SW (W)	719	5	326884 183983
257	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 1.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6SE (S)	720	5	327764 183170
258	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 62.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Percoed Reen Catchment Name: Reens West Primacy: 1	A6SE (S)	722	5	327764 183168
259	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 91.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cowleaze Reen Catchment Name: Reens West Primacy: 1	A5SE (SW)	731	5	327191 183336
260	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 77.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ffynnon-wen Reen Catchment Name: Reens West Primacy: 2	A12NE (E)	734	5	329024 184153

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
261	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12NE (E)	734	5	329024 184153
262	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 8.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6SW (SW)	739	5	327338 183226
263	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 98.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12NE (E)	739	5	329028 184153
264	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 179.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6SE (S)	743	5	327753 183145
265	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 367.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A12SE (E)	744	5	329014 183934
266	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 7.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SE (E)	744	5	329021 183970
267	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 139.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Percoed Reen Catchment Name: Reens West Primacy: 1	A6SE (S)	744	5	327707 183141
268	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 108.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6SW (SW)	747	5	327338 183218
269	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 7.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6SW (SW)	747	5	327340 183217

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
270	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SE (E)	750	5	329026 183964
271	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6SW (SW)	750	5	327342 183212
272	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 19.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6SW (SW)	753	5	327343 183208
273	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 60.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Percoed Reen Catchment Name: Reens West Primacy: 1	A12SE (E)	754	5	329030 183961
274	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 39.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A14NE (N)	754	5	327788 184976
275	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 207.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NW (SE)	755	5	328793 183532
276	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 83.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NW (SE)	755	5	328793 183532
277	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 314.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A13SE (NW)	760	5	327007 184626
278	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 125.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A13SE (NW)	760	5	327007 184626

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
279	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 57.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7SW (S)	762	5	328069 183181
280	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 7.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7SW (S)	762	5	328069 183181
281	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 15.1 Watercourse Level: Underground Permanent: True Watercourse Name: Ffynnon-wen Reen Catchment Name: Reens West Primacy: 2	A12NE (E)	764	5	329052 184080
282	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 133.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5NE (SW)	766	5	327039 183457
283	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 19.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6SW (SW)	767	5	327349 183190
284	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 189.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7SW (S)	769	5	328074 183175
285	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 197.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6SE (S)	770	5	327688 183114
286	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 62.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ffynnon-wen Reen Catchment Name: Reens West Primacy: 2	A12SE (E)	771	5	329058 184066
287	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 179.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7SW (S)	787	5	328024 183145

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
288	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 63.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7SW (S)	787	5	328024 183145
289	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 337.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Drenewydd Reen Catchment Name: Reens West Primacy: 1	A6SW (S)	788	5	327574 183103
290	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Hawse Reen Catchment Name: Reens West Primacy: 2	A6SW (S)	788	5	327574 183103
291	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 191.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Percoed Reen Catchment Name: Reens West Primacy: 1	A12SE (E)	788	5	329071 184005
292	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 10.8 Watercourse Level: Underground Permanent: True Watercourse Name: Hawse Reen Catchment Name: Reens West Primacy: 2	A6SW (S)	791	5	327575 183099
293	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 68.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NW (SE)	792	5	328954 183664
294	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 246.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Hawse Reen Catchment Name: Reens West Primacy: 2	A6SW (S)	800	5	327581 183090
295	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 161.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6SW (S)	800	5	327563 183092
296	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6SW (S)	800	5	327563 183092

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
297	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 17.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6SW (S)	801	5	327566 183091
298	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 153.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5SE (SW)	810	5	327124 183291
299	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 66.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cowleaze Reen Catchment Name: Reens West Primacy: 1	A5SE (SW)	810	5	327124 183291
300	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6SW (S)	813	5	327577 183077
301	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 75.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A9SW (W)	813	5	326805 183841
302	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 2.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5SE (SW)	815	5	327241 183195
303	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 171.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6SW (S)	816	5	327580 183074
304	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 16.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5SE (SW)	817	5	327241 183192
305	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 50.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7SW (S)	820	5	327974 183104

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
306	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7SW (S)	820	5	327974 183104
307	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 194.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7SW (S)	821	5	327977 183103
308	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 160.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A9SW (W)	825	5	326810 183771
309	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 196.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A2NW (S)	829	5	327592 183059
310	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 54.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5SE (SW)	830	5	327242 183176
311	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 55.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5SE (SW)	830	5	327241 183176
312	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 13.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NW (SE)	835	5	328862 183487
313	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 23.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6SW (SW)	837	5	327376 183103
314	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A12SE (E)	839	5	329125 184044

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
315	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 7.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NW (SE)	839	5	328854 183474
316	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 97.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5NW (SW)	840	5	326933 183479
317	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 24.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A12SE (E)	842	5	329129 184047
318	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 70.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NW (SE)	846	5	328860 183470
319	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 13.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NW (SE)	847	5	328875 183483
320	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 5.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SE (E)	848	5	329075 183777
321	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 193.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6SE (S)	848	5	327937 183069
322	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 66.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A6SE (S)	848	5	327937 183069
323	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A16SE (E)	848	5	329039 184550

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
324	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 21.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A16SE (E)	851	5	329042 184551
325	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SE (E)	853	5	329079 183775
326	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 76.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NE (E)	855	5	329019 183648
327	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 2.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5SE (SW)	855	5	326976 183392
328	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 33.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NE (E)	856	5	329019 183648
329	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 2.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NE (E)	856	5	329056 183715
330	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 60.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NE (E)	856	5	329057 183717
331	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SE (E)	856	5	329082 183774
332	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 144.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5SE (SW)	857	5	326974 183391

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
333	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 11.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5SE (SW)	857	5	326974 183391
334	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 222.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NW (SE)	858	5	328895 183487
335	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 9.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NW (SE)	858	5	328889 183480
336	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 15.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Morfa-Gronw Reen Catchment Name: Reens West Primacy: 2	A12SE (E)	859	5	329146 184063
337	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 95.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A12SE (E)	859	5	329146 184063
338	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 1.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NW (SE)	859	5	328888 183478
339	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 69.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NW (SE)	859	5	328888 183478
340	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 2.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SE (E)	860	5	329085 183772
341	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 81.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SE (E)	862	5	329087 183770

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
342	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 154.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Morfa-Gronw Reen Catchment Name: Reens West Primacy: 2	A12SE (E)	867	5	329154 184049
343	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 73.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5SE (SW)	867	5	327003 183337
344	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 19.6 Watercourse Level: Underground Permanent: True Watercourse Name: Blackwall Reen Catchment Name: Reens West Primacy: 1	A16SE (E)	869	5	329078 184508
345	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.2 Watercourse Level: Underground Permanent: True Watercourse Name: Cowleaze Reen Catchment Name: Reens West Primacy: 1	A5SE (SW)	870	5	327061 183268
346	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 108.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A16SE (NE)	872	5	329060 184564
347	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 15.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cowleaze Reen Catchment Name: Reens West Primacy: 1	A5SE (SW)	873	5	327059 183266
348	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 21.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5SE (SW)	873	5	327247 183123
349	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 43.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A13SE (NW)	874	5	326963 184753
350	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 42.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5SE (SW)	876	5	327192 183153

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
351	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 93.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A13SE (NW)	876	5	326934 184721
352	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 91.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7SE (SE)	878	5	328435 183188
353	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 47.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A2NE (S)	883	5	327887 183025
354	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 9.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5SE (SW)	885	5	327040 183267
355	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 283.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Blackwall Reen Catchment Name: Reens West Primacy: 1	A16SE (E)	885	5	329097 184504
356	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 27.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NE (E)	887	5	329052 183642
357	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 29.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cowleaze Reen Catchment Name: Reens West Primacy: 1	A5SE (SW)	887	5	327045 183259
358	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 10.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A16NW (NE)	887	5	328856 184896
359	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 20.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A16NW (NE)	887	5	328856 184896

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
360	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 251.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A16NW (NE)	887	5	328870 184881
361	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 6.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A16NW (NE)	887	5	328874 184876
362	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 120.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A16NW (NE)	888	5	328839 184915
363	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 34.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5SE (SW)	893	5	327245 183102
364	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 17.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7SE (SE)	894	5	328420 183180
365	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 8.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7SE (SE)	894	5	328435 183188
366	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 9.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7SE (SE)	897	5	328386 183172
367	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 6.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7SE (SE)	898	5	328420 183180
368	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 199.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A2NW (S)	898	5	327544 182996

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
369	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 27.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7SE (SE)	899	5	328405 183172
370	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 109.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7SE (SE)	901	5	328440 183181
371	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 83.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A2NW (SW)	901	5	327351 183044
372	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 8.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A16NW (NE)	903	5	328769 184993
373	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 109.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7SE (SE)	905	5	328390 183164
374	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 232.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A16NW (NE)	905	5	328764 185000
375	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 192.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A2NE (S)	907	5	327853 182994
376	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 28.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A2NE (S)	907	5	327851 182994
377	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 89.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7SE (S)	909	5	328293 183107

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
378	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 75.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A2NW (SW)	909	5	327353 183034
379	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 68.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5SE (SW)	911	5	327153 183138
380	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 37.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NW (SE)	912	5	328907 183423
381	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 6.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A5NW (SW)	913	5	326773 183615
382	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 114.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NE (E)	914	5	329077 183632
383	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 231.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NE (SE)	914	5	328960 183463
384	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 8.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cowleaze Reen Catchment Name: Reens West Primacy: 1	A5SE (SW)	916	5	327020 183244
385	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 13.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A5NW (SW)	916	5	326773 183609
386	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 84.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5SE (SW)	917	5	327005 183258

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
387	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.5 Watercourse Level: Underground Permanent: True Watercourse Name: Percoed Reen Catchment Name: Reens West Primacy: 1	A12NE (E)	918	5	329208 184139
388	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 86.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A2NE (S)	921	5	327829 182976
389	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 366.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Percoed Reen Catchment Name: Reens West Primacy: 1	A12NE (E)	921	5	329211 184143
390	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 30.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NW (SE)	921	5	328930 183432
391	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 33.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NW (SE)	922	5	328953 183455
392	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 40.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cowleaze Reen Catchment Name: Reens West Primacy: 1	A5SE (SW)	922	5	327012 183244
393	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 9.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A5NW (SW)	922	5	326773 183596
394	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 2.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NW (SE)	922	5	328953 183455
395	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 8.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NW (SE)	922	5	328954 183457

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
396	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 27.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A1NE (SW)	924	5	327244 183067
397	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 148.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12NE (E)	927	5	329217 184138
398	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 17.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A3NW (S)	930	5	328222 183053
399	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 31.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5NW (SW)	931	5	326765 183590
400	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 18.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A5NW (SW)	931	5	326765 183590
401	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A2NW (SW)	932	5	327414 182990
402	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 82.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12NE (E)	932	5	329221 184123
403	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 89.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A2NW (SW)	933	5	327417 182988
404	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 60.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A3NW (S)	936	5	328209 183042

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
405	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 9.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant-y-moor Brook Catchment Name: Reens West Primacy: 1	A14NW (NW)	936	5	327385 185085
406	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 55.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Morfa-Gronw Reen Catchment Name: Reens West Primacy: 2	A12SE (E)	937	5	329207 183911
407	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 10.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SE (E)	937	5	329207 183911
408	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A3NW (S)	939	5	328152 183020
409	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A3NW (S)	942	5	328154 183017
410	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 7.9 Watercourse Level: Underground Permanent: True Watercourse Name: Nant-y-moor Brook Catchment Name: Reens West Primacy: 1	A14NW (NW)	942	5	327377 185088
411	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 34.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8SW (SE)	942	5	328913 183388
412	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 99.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NE (E)	943	5	329161 183736
413	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 8.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NE (E)	943	5	329161 183736

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
414	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 142.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SE (E)	944	5	329216 183921
415	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NE (E)	946	5	329166 183742
416	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 21.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SE (E)	946	5	329168 183745
417	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 173.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A1NE (SW)	946	5	327269 183029
418	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 233.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A1NE (SW)	946	5	327269 183029
419	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 54.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A5NW (W)	947	5	326693 183735
420	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 176.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Drenewydd Reen Catchment Name: Reens West Primacy: 1	A1NE (SW)	948	5	327243 183040
421	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 18.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A5NW (SW)	948	5	326752 183579
422	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 8.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tyn-y-brwyn Reen Catchment Name: Reens West Primacy: 1	A5NW (SW)	948	5	326752 183579

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
423	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 16.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A18SW (NW)	948	5	327371 185094
424	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 13.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A5NW (W)	949	5	326707 183684
425	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 92.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SE (E)	950	5	329180 183766
426	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SE (E)	950	5	329178 183763
427	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 101.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A5NW (W)	952	5	326709 183670
428	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 5.6 Watercourse Level: Underground Permanent: True Watercourse Name: Tyn-y-brwyn Reen Catchment Name: Reens West Primacy: 1	A5NW (SW)	952	5	326752 183570
429	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 20.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NW (SE)	952	5	328954 183413
430	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 179.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tyn-y-brwyn Reen Catchment Name: Reens West Primacy: 1	A5NW (SW)	953	5	326754 183565
431	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NE (SE)	954	5	328978 183434

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
432	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 72.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NE (SE)	954	5	328978 183434
433	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A3NW (S)	955	5	328167 183008
434	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 9.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A5NW (SW)	955	5	326738 183592
435	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 16.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NE (SE)	958	5	328980 183431
436	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 160.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A19SE (NE)	958	5	328584 185163
437	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 125.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A3NW (S)	959	5	328168 183004
438	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 72.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A3NW (S)	959	5	328168 183004
439	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 76.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5SE (SW)	960	5	327071 183137
440	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 49.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A2NE (S)	961	5	327734 182925

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
441	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 67.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A2NE (S)	961	5	327734 182925
442	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 62.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5SE (SW)	962	5	327032 183169
443	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 9.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5SE (SW)	962	5	326981 183218
444	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 17.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cowleaze Reen Catchment Name: Reens West Primacy: 1	A5SE (SW)	962	5	326981 183218
445	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 21.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SE (E)	963	5	329220 183855
446	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 250.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8SW (SE)	963	5	328766 183252
447	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 19.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A18SW (NW)	963	5	327361 185106
448	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 12.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A18SW (NW)	963	5	327361 185106
449	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 104.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A13SW (W)	964	5	326720 184518

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
450	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 2.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A2NE (S)	965	5	327760 182923
451	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A2NW (S)	965	5	327492 182937
452	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A2NW (S)	965	5	327492 182937
453	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A2NW (S)	966	5	327495 182935
454	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 11.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5SE (SW)	966	5	327087 183117
455	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 155.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8SW (SE)	967	5	328640 183161
456	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 104.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8SW (SE)	967	5	328766 183252
457	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 214.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Hawse Reen Catchment Name: Reens West Primacy: 2	A2NE (S)	967	5	327760 182921
458	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 41.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A2NW (S)	967	5	327489 182935

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
459	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 202.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A2NW (S)	967	5	327499 182933
460	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 77.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5SE (SW)	967	5	326949 183244
461	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 36.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A18SW (NW)	967	5	327396 185120
462	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 18.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A13NW (NW)	968	5	326852 184766
463	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 9.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NE (SE)	971	5	329038 183476
464	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 95.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8SW (SE)	971	5	328909 183347
465	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 102.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8SW (SE)	971	5	328850 183301
466	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 229.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A16SE (E)	971	5	329168 184556
467	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 2.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8SE (SE)	972	5	328969 183400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
468	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 98.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8SW (SE)	973	5	328812 183273
469	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 118.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8SE (SE)	974	5	328970 183398
470	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 33.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NE (SE)	974	5	329046 183482
471	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 87.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A18SW (NW)	974	5	327343 185113
472	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 6.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NE (SE)	975	5	328991 183418
473	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 26.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A18SW (NW)	975	5	327360 185118
474	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 76.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7SE (SE)	977	5	328586 183152
475	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 21.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cowleaze Reen Catchment Name: Reens West Primacy: 1	A5SE (SW)	977	5	326964 183214
476	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 1.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A12SE (E)	978	5	329239 183865

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
477	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 119.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Morfa-Gronw Reen Catchment Name: Reens West Primacy: 2	A12SE (E)	979	5	329240 183866
478	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 61.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NE (SE)	980	5	328996 183416
479	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 7.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NE (SE)	983	5	329073 183501
480	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 28.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5SW (SW)	983	5	326850 183348
481	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 38.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5SW (SW)	984	5	326832 183371
482	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 1.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A5SW (SW)	984	5	326833 183371
483	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 16.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NE (SE)	985	5	329078 183505
484	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 44.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A13NW (NW)	986	5	326835 184773
485	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 27.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NE (SE)	990	5	329091 183515

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
486	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 55.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A2NE (S)	990	5	327755 182898
487	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 16.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A3NW (S)	990	5	328113 182957
488	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 1.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A3NW (S)	990	5	328113 182957
489	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 110.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A3NW (S)	991	5	328114 182956
490	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 52.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tyn-y-brwyn Reen Catchment Name: Reens West Primacy: 1	A5SW (SW)	991	5	326808 183395
491	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 331.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7SE (SE)	997	5	328524 183107
492	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7SE (SE)	997	5	328524 183107
493	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 70.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cowleaze Reen Catchment Name: Reens West Primacy: 1	A5SE (SW)	997	5	326947 183202
494	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 169.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8SE (SE)	999	5	329008 183401

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
495	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 59.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A8NE (SE)	999	5	329114 183531
496	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 18.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 2	A7SE (SE)	1000	5	328527 183104
497	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 318.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Reens West Primacy: 1	A17SE (NW)	1000	5	327257 185113

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
498	<b>Historical Landfill Sites</b> Licence Holder: Mr J J Neville Location: Coed Kernew, Newport, Gwent Name: Cefn Llogell Farm Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD14578 First Input Date: 31st December 1993 Last Input Date: 31st December 1996 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 6935/0007 BGS Ref: Not Supplied Other Ref: Not Supplied	A14SW (NW)	461	2	327560 184662
499	<b>Historical Landfill Sites</b> Licence Holder: J O Cullimore Location: Coed Kernew, Newport, Gwent Name: Graig-Y-Saeson Farm Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15045 First Input Date: 26th August 1988 Last Input Date: 31st October 1988 Specified Waste: Deposited Waste included Inert, Industrial and Household Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 6935/0019 BGS Ref: Not Supplied Other Ref: 49/88	A14NE (N)	647	2	327868 184881
500	<b>Historical Landfill Sites</b> Licence Holder: Wentloog Landfill Location: Newport, St Brides, Gwent Name: Wentloog Landfill Operator Location: Newport, St Brides, Gwent Boundary Accuracy: As Supplied Provider Reference: EAHLD35714 First Input Date: Not Supplied Last Input Date: 1st January 1991 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 30027 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: Not Supplied	A8NE (SE)	978	2	328993 183415
501	<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Name: Wentloog Landfill Licence Number: 30027 Location: Ty Mawr Farm, St Brides, Newport, Gwent, NP10 8SF Licence Holder: Shervington D C Authority: Natural Resources Wales Site Category: Landfills Taking Other Wastes (Construction, Demolition, Dredgings) Max Input Rate: Not Supplied <b>Licence Status: Inactive</b> Issued: 2nd May 1989 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A8NE (SE)	978	2	328993 183415
502	<b>Licensed Waste Management Facilities (Locations)</b> Licence Number: 30343 Location: P S N U K Ltd, Pencarn Way, Duffryn, Newport, Gwent, NP10 8YE Operator Name: Panasonic System Networks Company U K Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Metal Recycling Sites (Mixed) <b>Licence Status: Surrendered</b> Issued: 18th March 2005 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 22nd October 2012 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16NW (NE)	775	2	328700 184886
	<b>Local Authority Landfill Coverage</b> Name: Newport County Borough Council - Has no landfill data to supply		0	6	327932 184095

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
503	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A11SE (E)	250	9	328446 183899
504	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A13SE (NW)	631	9	327144 184590
505	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A16NW (NE)	710	9	328660 184834
506	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A14NW (NW)	820	9	327524 184995
507	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A7NE (SE)	591	9	328428 183488
508	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A7NE (SE)	597	9	328543 183549
509	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A7NE (SE)	597	9	328598 183580
510	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A8NW (SE)	609	9	328636 183593
511	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A7NE (SE)	617	9	328577 183537
512	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A7NE (SE)	645	9	328429 183446
513	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A8NW (SE)	758	9	328758 183497
514	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A8NW (SE)	762	9	328686 183440
515	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A16SE (E)	852	9	329042 184553
516	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A16NW (NE)	884	9	328740 184995
517	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A16NW (NE)	890	9	328824 184935
518	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A16SE (NE)	919	9	329057 184675

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
519	<p><b>Registered Landfill Sites</b></p> <p>Licence Holder: J O Cullimore &amp; Son (Farmer)            Licence Reference: 049            Site Location: Graig Y Saeson Farm, Bassaleg, Newport, Gwent            Licence Easting: 327900            Licence Northing: 185000            Operator Location: As Site Address            Authority: Environment Agency Wales, South East Area            Site Category: Landfill            Max Input Rate: Undefined            Waste Source: No known restriction on source of waste            Restrictions:            Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled            Dated: 1st August 1988            Preceded By: Not Given            Licence:            Superseded By: Not Given            Licence:            Positional Accuracy: Manually positioned to the road within the address or location            Boundary Accuracy: Not Applicable            Authorised Waste: Soil From Cleppa Park (li)</p>	A14NE (N)	758	3	327900 185000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
520	<p><b>Control of Major Accident Hazards Sites (COMAH)</b></p> <p>Name: LG Electronics Wales Ltd            Location: Imperial Park, Newport, Gwent, NP10 8ZY            Reference: Not Supplied            Type: Lower Tier  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A11NW (E)	0	7	328267 184090

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: Triassic Rocks (Undifferentiated)	A11SW (SE)	0	1	328112 183990
	<b>BGS 1:625,000 Solid Geology</b> Description: Lower Devonian Rocks (Undifferentiated)	A10NE (NW)	0	1	327932 184095
	<b>BGS Estimated Soil Chemistry</b> 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	A10SE (SW)	0	1	327866 184068
	<b>BGS Estimated Soil Chemistry</b> 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: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A10NE (NW)	0	1	327932 184095
	<b>BGS Estimated Soil Chemistry</b> 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: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A10NE (W)	0	1	327747 184085
521	<b>BGS Recorded Mineral Sites</b> Site Name: Pont-Estyll Location: Duffryn, Newport, Gwent Source: British Geological Survey, National Geoscience Information Service Reference: 176569 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: River Terrace Deposits (Undifferentiated) Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A11SE (E)	259	1	328455 183895
522	<b>BGS Recorded Mineral Sites</b> Site Name: Tavern Farm Location: Castleton, Cardiff, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 127829 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Devonian Geology: St Maughans Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13SE (NW)	631	1	327128 184571

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
523	<b>BGS Recorded Mineral Sites</b> Site Name: Tredegar Park Location: Duffryn, Newport, Gwent Source: British Geological Survey, National Geoscience Information Service Reference: 176568 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: River Terrace Deposits (Undifferentiated) Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A16NW (NE)	706	1	328658 184830
524	<b>BGS Recorded Mineral Sites</b> Site Name: Cleppa Park Location: Newport, Gwent Source: British Geological Survey, National Geoscience Information Service Reference: 160573 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Devonian Geology: St Maughans Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14NW (N)	826	1	327565 185008
	<b>BGS Measured Urban Soil Chemistry</b> No data available				
	<b>BGS Urban Soil Chemistry Averages</b> No data available				
	<b>Coal Mining Affected Areas</b> In an area that might not be affected by coal mining				
	<b>Non Coal Mining Areas of Great Britain</b> Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	0	1	327932 184095
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A10SE (SW)	0	1	327866 184068
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	0	1	327932 184095
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A10SE (SW)	0	1	327866 184068
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	0	1	327932 184095
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	0	1	327932 184095
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	0	1	327932 184095
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A10SE (SW)	0	1	327823 183971
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A10NW (NW)	212	1	327550 184380
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A10SE (SW)	0	1	327866 184068
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	0	1	327932 184095

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10NE (W)	0	1	327747 184085
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A11SE (SE)	200	1	328300 183872
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A10NW (NW)	212	1	327550 184380
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	0	1	328029 183964
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A10SE (SW)	0	1	327703 183956
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	0	1	327932 184095
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11SE (SE)	200	1	328300 183872
	<b>Radon Potential - Radon Affected Areas</b> 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 (SE)	0	1	328199 183975
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in an Intermediate probability radon area (5 to 10% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	0	1	327932 184095
	<b>Radon Potential - Radon Protection Measures</b> 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 (SE)	0	1	328199 183975
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	0	1	327932 184095

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
525	<b>Contemporary Trade Directory Entries</b> Name: Q R L Radiator Group Location: Imperial Park, Celtic Way, Newport, Gwent, NP10 8FS Classification: Central Heating Supplies & Equipment <b>Status: Inactive</b> Positional Accuracy: Manually positioned within the geographical locality	A10NE (NW)	0	-	327886 184156
526	<b>Contemporary Trade Directory Entries</b> Name: Lg Electronics Wales Ltd Location: Imperial Park, Newport, Gwent, NP10 8ZY Classification: Computer Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A11NW (E)	0	-	328267 184090
526	<b>Contemporary Trade Directory Entries</b> Name: L G Electronics Location: Imperial Park, Newport, Gwent, NP10 8ZY Classification: Computer Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A11NW (E)	0	-	328267 184090
527	<b>Contemporary Trade Directory Entries</b> Name: Essentra Location: Ip4, Celtic Way, Celtic Lakes, Newport, Gwent, NP10 8BE Classification: Packaging Materials Manufacturers & Suppliers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A10NE (N)	169	-	327912 184403
527	<b>Contemporary Trade Directory Entries</b> Name: Essentra Location: Ip4, Celtic Way, Celtic Lakes, Newport, Gwent, NP10 8BE Classification: Packaging Materials Manufacturers & Suppliers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A10NE (N)	169	-	327912 184403
528	<b>Contemporary Trade Directory Entries</b> Name: Hynix Semiconductor (Wales) Location: Unit 12, Imperial Park, Newport, Gwent, NP10 8UW Classification: Electric Motor Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A15SW (NE)	177	-	328222 184452
529	<b>Contemporary Trade Directory Entries</b> Name: Silvertel Location: Unit 1, The Courtyard, Imperial Park, Newport, Gwent, NP10 8UL Classification: Electronic Component Manufacturers & Distributors <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A15SE (NE)	513	-	328588 184634
530	<b>Contemporary Trade Directory Entries</b> Name: G24 Power Location: G Cell, Imperial Park, Newport, NP10 8AS Classification: Electricity Generating & Distributing Equipment <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A16SW (E)	518	-	328734 184423
530	<b>Contemporary Trade Directory Entries</b> Name: Grundfos Pumps Ltd Location: Imperial Park, Newport, Gwent, NP10 8UJ Classification: Pump Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A16SW (E)	518	-	328735 184423
531	<b>Contemporary Trade Directory Entries</b> Name: Nucleus Healthcare Location: Spooner Close, Coedkernew, Newport, Gwent, NP10 8FZ Classification: Hospitals <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A14SE (N)	521	-	327713 184725
532	<b>Contemporary Trade Directory Entries</b> Name: Identigen Location: Unit 5, The Courtyard, Imperial Park, Newport, Gwent, NP10 8UL Classification: Laboratories <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A16SW (NE)	527	-	328646 184587
532	<b>Contemporary Trade Directory Entries</b> Name: Vans Direct Ltd Location: Unit 6, The Courtyard, Imperial Park, Newport, NP10 8UL Classification: Commercial Vehicle Dealers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A16SW (NE)	564	-	328684 184599

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
532	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Vansdirect            Location: Unit 6, The Courtyard, Imperial Park, Newport, NP10 8UL            Classification: Commercial Vehicle Dealers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A16SW (NE)	564	-	328684 184599
533	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Pisces Refrigeration            Location: 4, Buih Close, Newport, Gwent, NP10 8HU            Classification: Air Conditioning &amp; Refrigeration Contractors  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A12NW (E)	559	-	328826 184288
534	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Wales &amp; West Utilities            Location: Wales &amp; West House, Spooner Close, Coedkernew, Newport, NP10 8FZ            Classification: Gas Companies  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A14NE (NW)	583	-	327631 184773
534	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Wales &amp; West Utilities Ltd            Location: Wales &amp; West House, Spooner Close, Coedkernew, Newport, Gwent, NP10 8FZ            Classification: Gas Companies  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A14NE (NW)	585	-	327631 184775
535	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Ethicoolers            Location: Imperial House, Imperial Way, Coedkernew, Newport, Gwent, NP10 8UH            Classification: Water Coolers  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the address or location</p>	A16SW (NE)	619	-	328644 184729
535	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: South Wales Food Laboratory Ltd            Location: Imperial House, Imperial Way, Coedkernew, Newport, Gwent, NP10 8UH            Classification: Laboratories  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the address or location</p>	A16SW (NE)	620	-	328644 184729
535	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Silver Telecom Ltd            Location: Imperial House, Imperial Way, Coedkernew, Newport, Gwent, NP10 8UH            Classification: Telecommunications Equipment &amp; Systems  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the address or location</p>	A16SW (NE)	620	-	328644 184729
536	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Belle Casa            Location: 17, Dunraven Drive, Newport, Gwent, NP10 8HS            Classification: Cleaning Services - Domestic  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A12NW (E)	631	-	328916 184208
537	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Bedroom Athletics            Location: Cavendish House, Hazell Drive, Newport, NP10 8FY            Classification: Footwear Manufacturers &amp; Wholesale  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A14NE (N)	702	-	327713 184909
537	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Gamesa Energy            Location: First Floor Unit 2, Cedar Court, Hazell Drive, NEWPORT, Gwent, NP10 8FY            Classification: Windmills &amp; Wind Power Equipment  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A14NE (N)	706	-	327669 184905
538	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: All Heating Plumbing &amp; Electrical Services            Location: 19, Grosmont Way, Newport, Gwent, NP10 8UQ            Classification: Boilers - Servicing, Replacements &amp; Repairs  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A12NE (E)	705	-	328968 184326

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
539	<b>Contemporary Trade Directory Entries</b> Name: Panasonic Communications Ltd Location: Pencarn Way, Duffryn, Newport, Gwent, NP10 8YE Classification: Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A16SW (NE)	738	-	328886 184611
539	<b>Contemporary Trade Directory Entries</b> Name: Panasonic System Networks (Uk) Ltd Location: Pencarn Way, Duffryn, Newport, Gwent, NP10 8YE Classification: Telecommunications Equipment & Systems <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A16SW (NE)	738	-	328886 184611
540	<b>Contemporary Trade Directory Entries</b> Name: Winwood Products Location: Somerton House, Hazell Drive, Newport, Gwent, NP10 8FY Classification: Wood Products, Except Furniture - Manufacturers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A14NE (N)	738	-	327779 184958
541	<b>Contemporary Trade Directory Entries</b> Name: Integra Office Solutions Ltd Location: Integra House, Vaughan Court, Coedkernew, Newport, Gwent, NP10 8BD Classification: Perfume Suppliers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A19SW (N)	820	-	328182 185095
542	<b>Contemporary Trade Directory Entries</b> Name: Ntn Bearings (Uk) Ltd Location: 7, White Avenue, Newport, Gwent, NP10 8SZ Classification: Bearing Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12NE (E)	891	-	329144 184385
542	<b>Contemporary Trade Directory Entries</b> Name: Platinum Cleaning Services Location: 1, Goodrich Grove, Newport, NP10 8SY Classification: Cleaning Services - Domestic <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12NE (E)	897	-	329145 184404
543	<b>Contemporary Trade Directory Entries</b> Name: D J Litt (Firearms) Ltd Location: Cefn Llogell, Coedkernew, Newport, Gwent, NP10 8UD Classification: Gunsmiths <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NE (NW)	932	-	326946 184819
544	<b>Fuel Station Entries</b> Name: Asda Newport Location: Pencarn Way, Coedkernew, Newport, Newport, NP10 8XL Brand: ASDA Premises Type: Hypermarket <b>Status: Open</b> Positional Accuracy: Manually positioned to the address or location	A16SE (NE)	973	-	329150 184608
545	<b>Points of Interest - Commercial Services</b> Name: Just in Time Location: 22 Pencarn Avenue, Coedkernew, Newport, NP10 8TJ Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A15NE (NE)	619	8	328349 184881
545	<b>Points of Interest - Commercial Services</b> Name: Just in Time Valeting Location: 22 Pencarn Avenue, Coedkernew, Newport, NP10 8TJ Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A15NE (NE)	619	8	328349 184881
546	<b>Points of Interest - Commercial Services</b> Name: Baker Technical Metals Ltd Location: Severn Hpuse, Hazell Drive, Newport, NP10 8FY Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A14NE (N)	682	8	327640 184876
547	<b>Points of Interest - Commercial Services</b> Name: Smiths News Location: Unit 3a, Celtic Way, Celtic Lakes, Newport, NP10 8BE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A15NW (N)	735	8	328100 185000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
548	<b>Points of Interest - Commercial Services</b> Name: Asda Newport Location: Pencarn Way, Coedkernew, Newport, NP10 8XL Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A16SE (NE)	973	8	329150 184608
548	<b>Points of Interest - Commercial Services</b> Name: Car Wash Location: Pencarn Way, Coedkernew, Newport, Gwent, NP10 8XL Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A16SE (NE)	973	8	329150 184608
549	<b>Points of Interest - Manufacturing and Production</b> Name: Tanks Location: NP10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A10SE (SW)	0	8	327724 183940
550	<b>Points of Interest - Manufacturing and Production</b> Name: Tanks Location: NP10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14SE (N)	344	8	327833 184567
551	<b>Points of Interest - Manufacturing and Production</b> Name: Tanks Location: NP10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A15SE (NE)	367	8	328484 184532
552	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: NP10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7NW (SE)	419	8	328214 183627
553	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: NP10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A16SW (NE)	636	8	328682 184715
554	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: NP10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9NE (W)	665	8	326978 184344
554	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: NP10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9NE (W)	671	8	326959 184275
555	<b>Points of Interest - Manufacturing and Production</b> Name: Gamesa Energy Location: First Floor Unit 2 Cedar Court, Hazell Drive, Newport, NP10 8FY Category: Industrial Features Class Code: Energy Production Positional Accuracy: Positioned to address or location	A14NE (N)	706	8	327669 184905
555	<b>Points of Interest - Manufacturing and Production</b> Name: Gamesa Energy Location: Rowan House, Hazell Drive, Newport, NP10 8FY Category: Industrial Features Class Code: Energy Production Positional Accuracy: Positioned to address or location	A14NE (N)	706	8	327669 184905
556	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: NP10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A16SW (NE)	758	8	328825 184734

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
557	<b>Points of Interest - Manufacturing and Production</b> Name: Red Arch Piggery Location: NP10 Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A2NW (S)	846	8	327503 183056
558	<b>Points of Interest - Manufacturing and Production</b> Name: Solar Panels Location: NP10 Category: Industrial Features Class Code: Energy Production Positional Accuracy: Positioned to an adjacent address or location	A9SW (W)	866	8	326757 183810
559	<b>Points of Interest - Manufacturing and Production</b> Name: Cefn Llogell Farm Location: Cefn Llogell, Coedkernew, Newport, NP10 8UD Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A13NE (NW)	932	8	326946 184819
559	<b>Points of Interest - Manufacturing and Production</b> Name: Cefn Llogell Farm Location: Cefn Llogell, Coedkernew, Newport, NP10 8UD Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A13NE (NW)	932	8	326946 184819
560	<b>Points of Interest - Public Infrastructure</b> Name: Sluice Location: NP10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A10NE (W)	0	8	327621 184107
560	<b>Points of Interest - Public Infrastructure</b> Name: Sluice Location: NP10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A10SW (W)	14	8	327596 184059
560	<b>Points of Interest - Public Infrastructure</b> Name: Sluice Location: NP10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A10SW (W)	23	8	327586 184057
561	<b>Points of Interest - Public Infrastructure</b> Name: Sluice Location: NP10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A10NE (NW)	45	8	327630 184226
561	<b>Points of Interest - Public Infrastructure</b> Name: Sluice Location: NP10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A10NE (NW)	45	8	327639 184228
562	<b>Points of Interest - Public Infrastructure</b> Name: Weir Location: NP10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A11NE (E)	236	8	328488 184274
562	<b>Points of Interest - Public Infrastructure</b> Name: Weir Location: NP10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A11NE (E)	242	8	328494 184276
563	<b>Points of Interest - Public Infrastructure</b> Name: Sluice Location: NP10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A6NW (SW)	300	8	327597 183594

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
563	<b>Points of Interest - Public Infrastructure</b> Name: Sluice Location: NP10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A6NW (SW)	303	8	327589 183594
564	<b>Points of Interest - Public Infrastructure</b> Name: Weir Location: NP10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A15SW (N)	448	8	328099 184709
564	<b>Points of Interest - Public Infrastructure</b> Name: Weir Location: NP10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A15SW (N)	451	8	328106 184711
565	<b>Points of Interest - Public Infrastructure</b> Name: Sluice Location: NP10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A7NE (SE)	593	8	328405 183493
565	<b>Points of Interest - Public Infrastructure</b> Name: Sluice Location: NP10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A7NE (SE)	596	8	328415 183493
566	<b>Points of Interest - Public Infrastructure</b> Name: Sewage Pumping Station Location: NP10 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A15NW (N)	678	8	328229 184953
567	<b>Points of Interest - Public Infrastructure</b> Name: Sluice Location: NP10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A6SE (S)	748	8	327684 183136
567	<b>Points of Interest - Public Infrastructure</b> Name: Sluice Location: NP10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A6SE (S)	752	8	327684 183132
568	<b>Points of Interest - Public Infrastructure</b> Name: Sluice Location: NP10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12SE (E)	765	8	329044 183979
568	<b>Points of Interest - Public Infrastructure</b> Name: Sluice Location: NP10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12SE (E)	782	8	329065 184011
569	<b>Points of Interest - Public Infrastructure</b> Name: Sluice Location: NP10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A6SW (S)	802	8	327585 183087
570	<b>Points of Interest - Public Infrastructure</b> Name: Sluice Location: NP10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12SE (E)	867	8	329154 184055

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
570	<b>Points of Interest - Public Infrastructure</b> Name: Sluice Location: NP10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12SE (E)	872	8	329159 184056
571	<b>Points of Interest - Public Infrastructure</b> Name: Asda Newport Location: Pencarn Way, Coedkernew, Newport, NP10 8XL Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A16SE (NE)	973	8	329150 184608
571	<b>Points of Interest - Public Infrastructure</b> Name: Asda Petrol Location: Pencarn Way, Duffryn, Newport, NP10 8XL Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A16SE (NE)	974	8	329150 184610
571	<b>Points of Interest - Public Infrastructure</b> Name: Newport Location: Pencarn Way, Duffryn, Newport, NP10 8XL Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A16SE (E)	997	8	329177 184606
572	<b>Points of Interest - Recreational and Environmental</b> Name: Play Area Location: NP10 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A16NW (NE)	773	8	328761 184829
573	<b>Underground Electrical Cables</b> Unique Feature Identifier: 10056114 Cable Status: Planned Cable Type: Alternating Current Record Last: 2nd June 2020 Updated:	A8NW (SE)	539	9	328689 183733
574	<b>Underground Electrical Cables</b> Unique Feature Identifier: 10056111 Cable Status: Commissioned Cable Type: Alternating Current Record Last: 1st May 2020 Updated:	A7NE (SE)	539	9	328597 183652
575	<b>Underground Electrical Cables</b> Unique Feature Identifier: 10056112 Cable Status: Commissioned Cable Type: Alternating Current Record Last: 1st May 2020 Updated:	A8NW (SE)	567	9	328680 183684
576	<b>Underground Electrical Cables</b> Unique Feature Identifier: 10056115 Cable Status: Commissioned Cable Type: Alternating Current Record Last: 1st May 2020 Updated:	A8NW (SE)	570	9	328672 183671
577	<b>Underground Electrical Cables</b> Unique Feature Identifier: 10056116 Cable Status: Commissioned Cable Type: Alternating Current Record Last: 1st May 2020 Updated:	A8NE (SE)	936	9	328988 183472
578	<b>Underground Electrical Cables</b> Unique Feature Identifier: 10056113 Cable Status: Commissioned Cable Type: Alternating Current Record Last: 1st May 2020 Updated:	A8NE (SE)	941	9	329003 183481

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
579	<b>Ancient Woodland</b> Name: Not Supplied Reference: 15233 Area(m <sup>2</sup> ): 8312.93 Type: Ancient and Semi-Natural Woodland	A9SE (W)	381	2	327221 184008
580	<b>Ancient Woodland</b> Name: Not Supplied Reference: 15236 Area(m <sup>2</sup> ): 2531.86 Type: Ancient and Semi-Natural Woodland	A14NW (NW)	832	2	327508 185004
581	<b>Ancient Woodland</b> Name: Not Supplied Reference: 21901 Area(m <sup>2</sup> ): 117822.52 Type: Restored Ancient Woodland Site	A14NW (NW)	840	2	327382 184984
582	<b>Ancient Woodland</b> Name: Not Supplied Reference: 15874 Area(m <sup>2</sup> ): 5804.59 Type: Ancient and Semi-Natural Woodland	A19SE (N)	964	2	328373 185227
583	<b>Sites of Special Scientific Interest</b> Name: Gwent Levels - St. Brides Multiple Areas: N Total Area (m2): 13058933.93 Source: Natural Resources Wales Reference: 34133wep Designation Details: Biological Designation Date: 21st May 1991 Date Type: Notified	A10SE (S)	171	2	327877 183746

Agency & Hydrological	Version	Update Cycle
<b>Contaminated Land Register Entries and Notices</b> Torfaen County Borough Council - Department for the Environmental Caerphilly County Borough Council - Environmental Health Department Newport City Council - Public Protection and Environmental Services Cardiff Council - Pollution Control Division Natural Resources Wales	April 2014 August 2013 January 2015 January 2020 June 2020	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annually
<b>Discharge Consents</b> Environment Agency - Welsh Region Natural Resources Wales	August 2014 December 2020	Quarterly Quarterly
<b>Enforcement and Prohibition Notices</b> Environment Agency - Welsh Region	March 2013	Annual Rolling Update
<b>Integrated Pollution Controls</b> Environment Agency - Welsh Region	October 2008	Variable
<b>Integrated Pollution Prevention And Control</b> Natural Resources Wales Environment Agency - Welsh Region	February 2021 January 2021	Quarterly Quarterly
<b>Local Authority Integrated Pollution Prevention And Control</b> Torfaen County Borough Council - Department for the Environmental Caerphilly County Borough Council - Environmental Health Department Newport City Council - Public Protection and Environmental Services Cardiff Council - Pollution Control Division	December 2015 February 2013 June 2014 March 2016	Variable Variable Variable Variable
<b>Local Authority Pollution Prevention and Controls</b> Newport City Council - Public Protection and Environmental Services Cardiff Council - Pollution Control Division Torfaen County Borough Council - Department for the Environmental Caerphilly County Borough Council - Environmental Health Department	June 2014 March 2016 November 2015 September 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Not Applicable
<b>Local Authority Pollution Prevention and Control Enforcements</b> Torfaen County Borough Council - Department for the Environmental Newport City Council - Public Protection and Environmental Services Cardiff Council - Pollution Control Division Caerphilly County Borough Council - Environmental Health Department	December 2015 June 2014 March 2016 September 2014	Variable Variable Variable Variable
<b>Nearest Surface Water Feature</b> Ordnance Survey	January 2021	
<b>Pollution Incidents to Controlled Waters</b> Environment Agency - Welsh Region	December 1998	Not Applicable
<b>Prosecutions Relating to Authorised Processes</b> Environment Agency - Welsh Region Natural Resources Wales	March 2013 March 2013	Annual Rolling Update Annual Rolling Update
<b>Prosecutions Relating to Controlled Waters</b> Environment Agency - Welsh Region Natural Resources Wales	March 2013 March 2013	Annual Rolling Update Annual Rolling Update
<b>Registered Radioactive Substances</b> Natural Resources Wales Environment Agency - Welsh Region	January 2015 June 2016	Annually
<b>River Quality</b> Environment Agency - Head Office	November 2001	Not Applicable
<b>River Quality Chemistry Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>Substantiated Pollution Incident Register</b> Environment Agency Wales - South East Area Natural Resources Wales	January 2021 January 2021	Quarterly Quarterly

Agency & Hydrological	Version	Update Cycle
<b>Water Abstractions</b> Natural Resources Wales Environment Agency - Welsh Region	February 2021 January 2021	Quarterly Quarterly
<b>Water Industry Act Referrals</b> Natural Resources Wales Environment Agency - Welsh Region	December 2021 October 2017	Quarterly Quarterly
<b>Groundwater Vulnerability Map</b> Natural Resources Wales	June 2018	As notified
<b>Bedrock Aquifer Designations</b> Natural Resources Wales	January 2018	Annually
<b>Superficial Aquifer Designations</b> Natural Resources Wales	January 2018	Annually
<b>Source Protection Zones</b> Natural Resources Wales	November 2016	Annual Rolling Update
<b>Extreme Flooding from Rivers or Sea without Defences</b> Natural Resources Wales	August 2018	Quarterly
<b>Flooding from Rivers or Sea without Defences</b> Natural Resources Wales	September 2020	Quarterly
<b>Areas Benefiting from Flood Defences</b> Natural Resources Wales	November 2019	Quarterly
<b>Flood Water Storage Areas</b> Natural Resources Wales	August 2019	Quarterly
<b>Flood Defences</b> Natural Resources Wales	November 2019	Quarterly
<b>OS Water Network Lines</b> Ordnance Survey	September 2020	Quarterly
<b>Surface Water 1 in 30 year Flood Extent</b> Natural Resources Wales	October 2013	Annually
<b>Surface Water 1 in 100 year Flood Extent</b> Natural Resources Wales	October 2013	Annually
<b>Surface Water 1 in 1000 year Flood Extent</b> Natural Resources Wales	October 2013	Annually
<b>Surface Water Suitability</b> Natural Resources Wales	October 2013	Annually
<b>BGS Groundwater Flooding Susceptibility</b> British Geological Survey - National Geoscience Information Service	May 2013	Annually

Waste	Version	Update Cycle
<b>BGS Recorded Landfill Sites</b> British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
<b>Historical Landfill Sites</b> Natural Resources Wales	July 2017	Quarterly
<b>Integrated Pollution Control Registered Waste Sites</b> Environment Agency - Welsh Region	October 2008	Not Applicable
<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Environment Agency Wales - South East Area Natural Resources Wales	January 2021 January 2021	Quarterly Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Environment Agency Wales - South East Area Natural Resources Wales	January 2021 January 2021	Quarterly Quarterly
<b>Local Authority Landfill Coverage</b> Caerphilly County Borough Council - Environmental Health Department Cardiff Council Newport City Council Torfaen County Borough Council - Department for the Environmental	May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable
<b>Local Authority Recorded Landfill Sites</b> Caerphilly County Borough Council - Environmental Health Department Cardiff Council Newport City Council Torfaen County Borough Council - Department for the Environmental	May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable
<b>Potentially Infilled Land (Non-Water)</b> Landmark Information Group Limited	December 1999	Not Applicable
<b>Potentially Infilled Land (Water)</b> Landmark Information Group Limited	December 1999	Not Applicable
<b>Registered Landfill Sites</b> Environment Agency Wales - South East Area	March 2003	Not Applicable
<b>Registered Waste Transfer Sites</b> Environment Agency Wales - South East Area	March 2003	Not Applicable
<b>Registered Waste Treatment or Disposal Sites</b> Environment Agency Wales - South East Area	March 2003	Not Applicable
Hazardous Substances	Version	Update Cycle
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	April 2018	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	March 2017	Annually
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	November 2000	Not Applicable
<b>Planning Hazardous Substance Enforcements</b> Caerphilly County Borough Council - Planning Department Torfaen County Borough Council - Planning Department Cardiff Council - Regulatory Services Newport City Council - Planning Department	February 2016 February 2016 October 2015 October 2015	Variable Variable Variable Variable
<b>Planning Hazardous Substance Consents</b> Caerphilly County Borough Council - Planning Department Torfaen County Borough Council - Planning Department Cardiff Council - Regulatory Services Newport City Council - Planning Department	February 2016 February 2016 October 2015 October 2015	Variable Variable Variable Variable

Geological	Version	Update Cycle
<b>BGS 1:625,000 Solid Geology</b> British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
<b>BGS Estimated Soil Chemistry</b> British Geological Survey - National Geoscience Information Service	October 2015	Annually
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	November 2020	Bi-Annually
<b>CBCSB Compensation District</b> Cheshire Brine Subsidence Compensation Board (CBCSB)	August 2011	Not Applicable
<b>Coal Mining Affected Areas</b> The Coal Authority - Property Searches	March 2014	Annual Rolling Update
<b>Mining Instability</b> Ove Arup & Partners	October 2000	Not Applicable
<b>Non Coal Mining Areas of Great Britain</b> British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	April 2020	Annually
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Radon Potential - Radon Affected Areas</b> British Geological Survey - National Geoscience Information Service	July 2011	Annually
<b>Radon Potential - Radon Protection Measures</b> British Geological Survey - National Geoscience Information Service	July 2011	Annually
Industrial Land Use	Version	Update Cycle
<b>Contemporary Trade Directory Entries</b> Thomson Directories	April 2021	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	February 2021	Quarterly
<b>Gas Pipelines</b> National Grid	January 2021	
<b>Points of Interest - Commercial Services</b> PointX	March 2021	Quarterly
<b>Points of Interest - Education and Health</b> PointX	March 2021	Quarterly
<b>Points of Interest - Manufacturing and Production</b> PointX	March 2021	Quarterly
<b>Points of Interest - Public Infrastructure</b> PointX	March 2021	Quarterly
<b>Points of Interest - Recreational and Environmental</b> PointX	March 2021	Quarterly
<b>Underground Electrical Cables</b> National Grid	April 2021	

Sensitive Land Use	Version	Update Cycle
<b>Ancient Woodland</b> Natural Resources Wales	August 2018	Bi-Annually
<b>Areas of Adopted Green Belt</b> Caerphilly County Borough Council Cardiff Council Newport City Council Torfaen County Borough Council	June 2020 June 2020 June 2020 June 2020	As notified As notified As notified As notified
<b>Areas of Unadopted Green Belt</b> Caerphilly County Borough Council Cardiff Council Newport City Council Torfaen County Borough Council	June 2020 June 2020 June 2020 June 2020	As notified As notified As notified As notified
<b>Areas of Outstanding Natural Beauty</b> Natural Resources Wales	June 2019	Bi-Annually
<b>Environmentally Sensitive Areas</b> The National Assembly for Wales - GI Services (Department of Planning & Countryside)	January 2017	
<b>Forest Parks</b> Forestry Commission	April 1997	Not Applicable
<b>Local Nature Reserves</b> Caerphilly County Borough Council Cardiff Council Newport City Council Torfaen County Borough Council	August 2018 August 2018 August 2018 August 2018	Bi-Annually Bi-Annually Bi-Annually Bi-Annually
<b>Marine Nature Reserves</b> Natural Resources Wales	August 2018	Bi-Annually
<b>National Nature Reserves</b> Natural Resources Wales	June 2019	Bi-Annually
<b>National Parks</b> Natural Resources Wales	August 2018	Annually
<b>Nitrate Vulnerable Zones</b> Natural Resources Wales The National Assembly for Wales - GI Services (Department of Planning & Countryside)	July 2019 October 2005	Bi-Annually
<b>Ramsar Sites</b> Natural Resources Wales	July 2019	Bi-Annually
<b>Sites of Special Scientific Interest</b> Natural Resources Wales	March 2020	Bi-Annually
<b>Special Areas of Conservation</b> Natural Resources Wales	August 2020	Bi-Annually
<b>Special Protection Areas</b> Natural Resources Wales	August 2018	Bi-Annually

A selection of organisations who provide data within this report

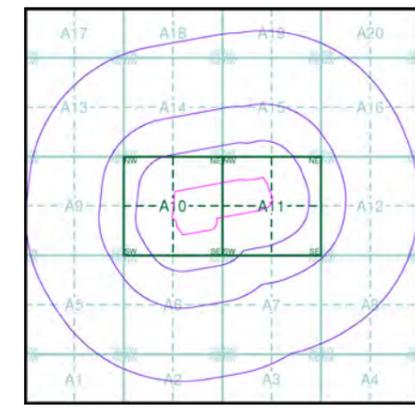
Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 <b>British Geological Survey</b> <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Centre for Ecology and Hydrology	 <b>Centre for Ecology &amp;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

Contact	Name and Address	Contact Details
1	<b>British Geological Survey - Enquiry Service</b> 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	<b>Natural Resources Wales</b> Ty Cambria, 29 Newport Road, Cardiff, CF24 0TP	Telephone: 0300 065 3000 Email: enquiries@naturalresourceswales.gov.uk
3	<b>Environment Agency - National Customer Contact Centre (NCCC)</b> PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
4	<b>Newport City Council - Public Protection and Environmental Services</b> Civic Centre, Newport, Gwent, NP20 4UR	Telephone: 01633 656656 Fax: 01633 232429 Website: www.newport.gov.uk
5	<b>Ordnance Survey</b> Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	<b>Newport City Council</b> Civic Centre, Newport, South Wales, NP9 4UR	Telephone: 01633 656656 Fax: 01633 244721 Website: www.newport.gov.uk
7	<b>Health and Safety Executive</b> 5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Website: www.hse.gov.uk
8	<b>PointX</b> 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
9	<b>Landmark Information Group Limited</b> 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
-	<b>Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards</b> Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	<b>Landmark Information Group Limited</b> 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
  - 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
- 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 (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 - Slice A

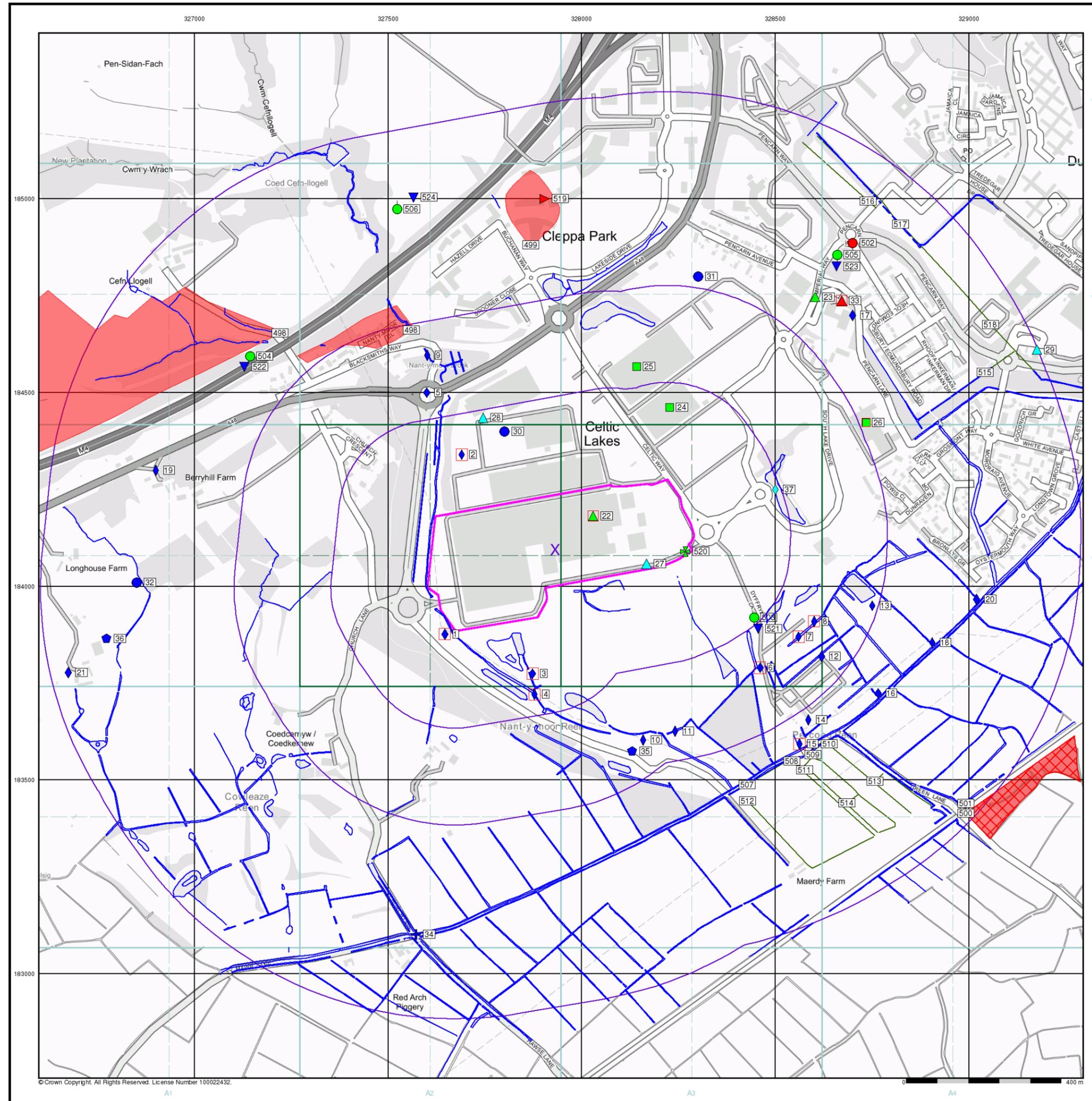


**Order Details**

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 1000

**Site Details**

Newport Quinn SDD RFO, Celtic Way, Celtic Lakes, NEWPORT, NP10 8BE



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## Industrial Land Use Map

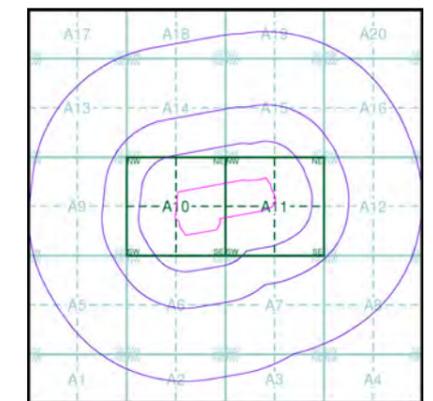
### General

-  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

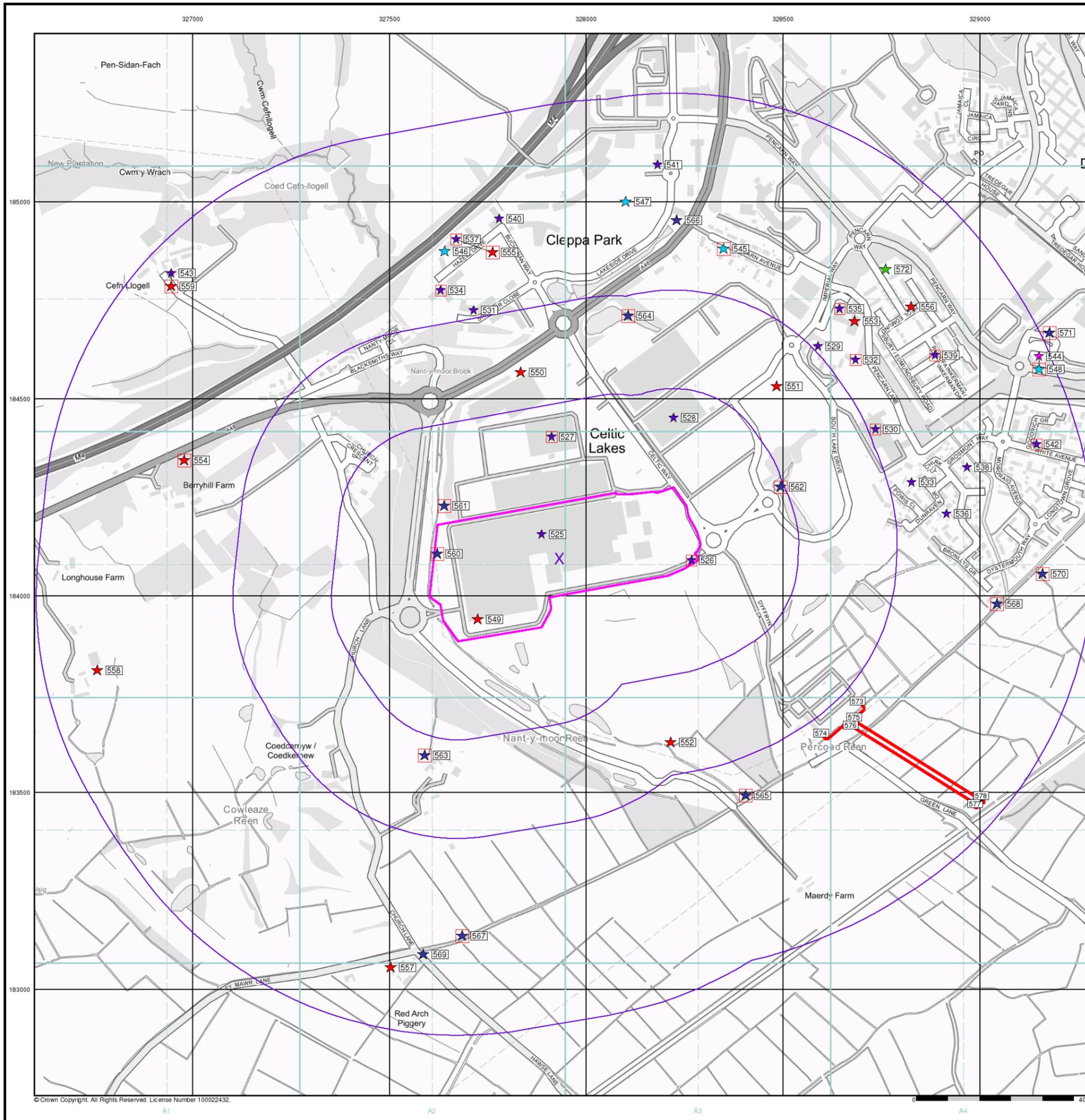


### Order Details

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### Site Details

Newport Quinn SDD RFO, Celtic Way, Celtic Lakes,  
 NEWPORT, NP10 8BE



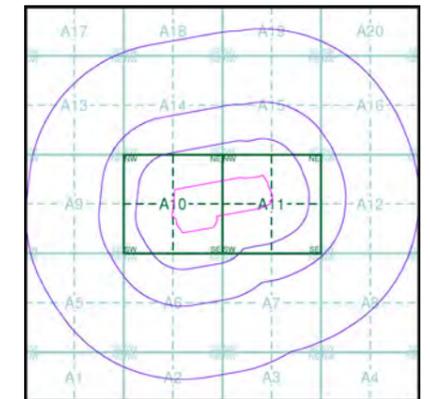
## General

-  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

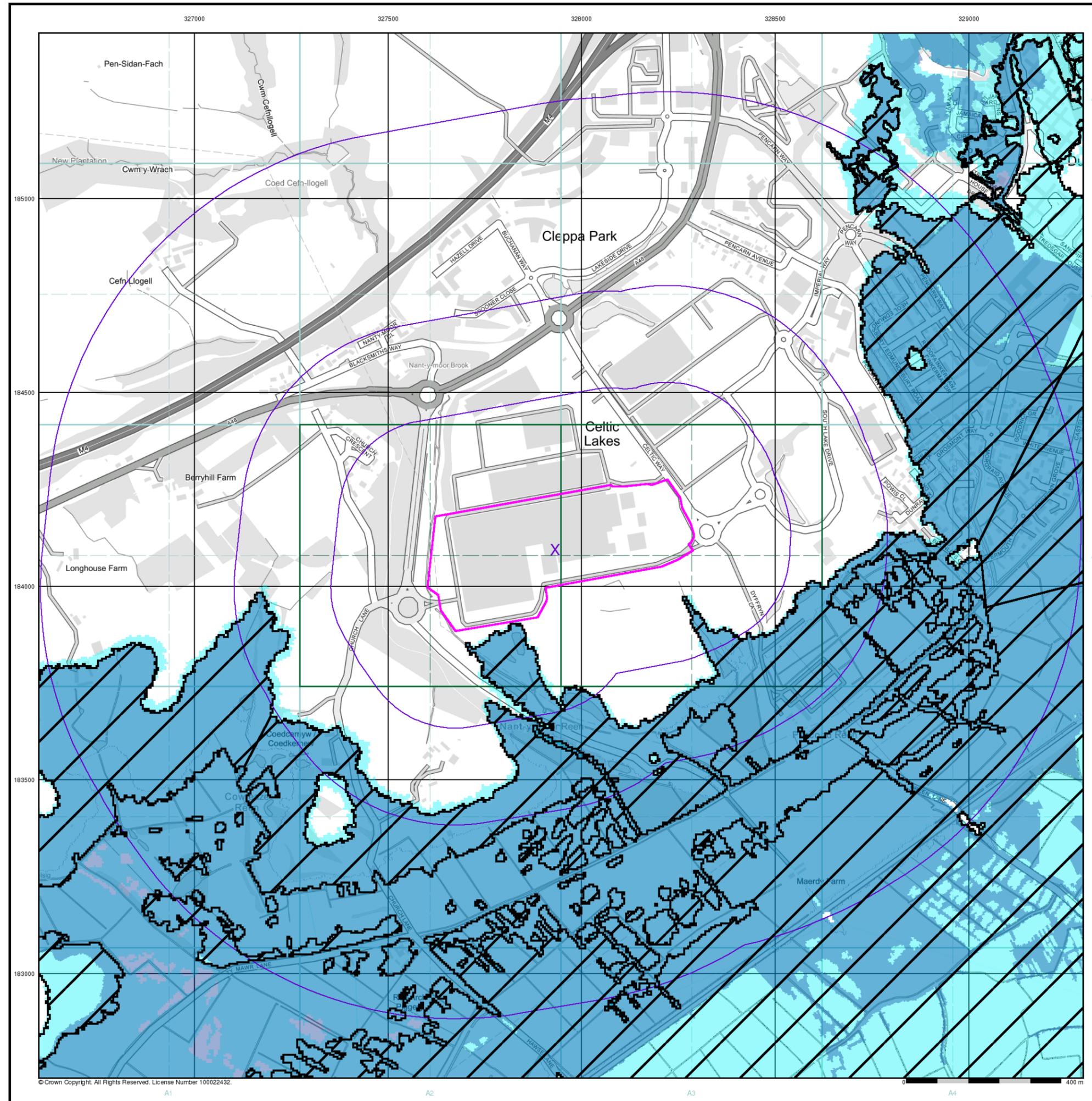


## Order Details

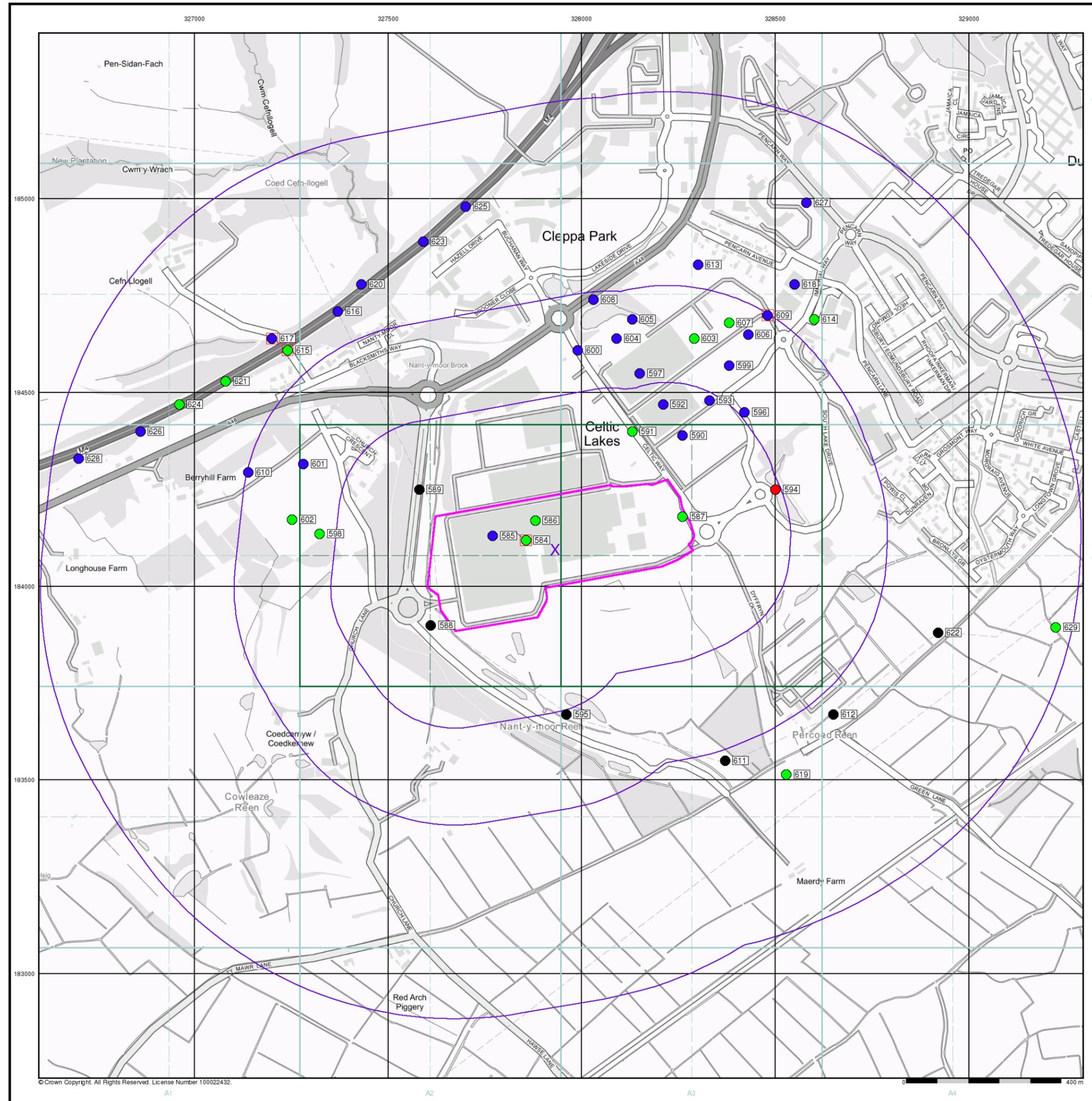
Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
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## Site Details

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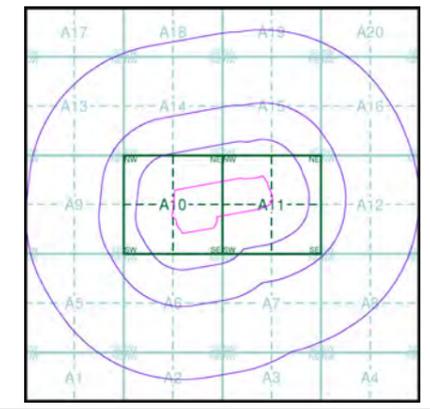
- General**
- Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point
  - Map ID
  - Several of Type at Location

- Agency and Hydrological (Boreholes)**
- BGS Borehole Depth 0 - 10m
  - BGS Borehole Depth 10 - 30m
  - BGS Borehole Depth 30m +
  - Confidential
  - Other

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

A copy of the BGS Borehole Ordering Form is available to download from the Support section of [www.envirocheck.co.uk](http://www.envirocheck.co.uk).

### Borehole Map - Slice A



**Order Details**

Order Number: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 1000

**Site Details**  
 Newport Quinn SDD RFO, Celtic Way, Celtic Lakes,  
 NEWPORT, NP10 8BE

## General

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

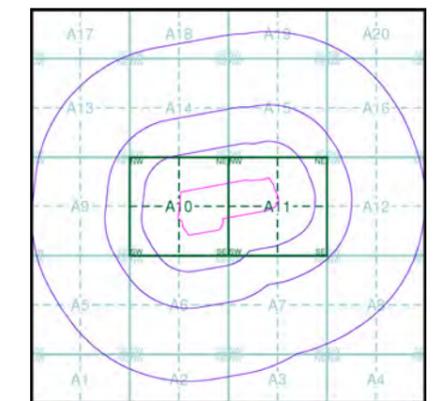
## OS Water Network Data

- |  |              |  |                         |
|--|--------------|--|-------------------------|
|  | Canal        |  | Drain                   |
|  | Reservoir    |  | Other                   |
|  | Foreshore    |  | Lake                    |
|  | Marsh        |  | Transfer                |
|  | Tidal River  |  | Lock Or Flight Of Locks |
|  | Inland River |  | Sea                     |

## Contours (height in meters)

- Standard Contour
- Master Contour
- Spot Height
- Mean Low Water
- Mean High Water

## OS Water Network Map - Slice A

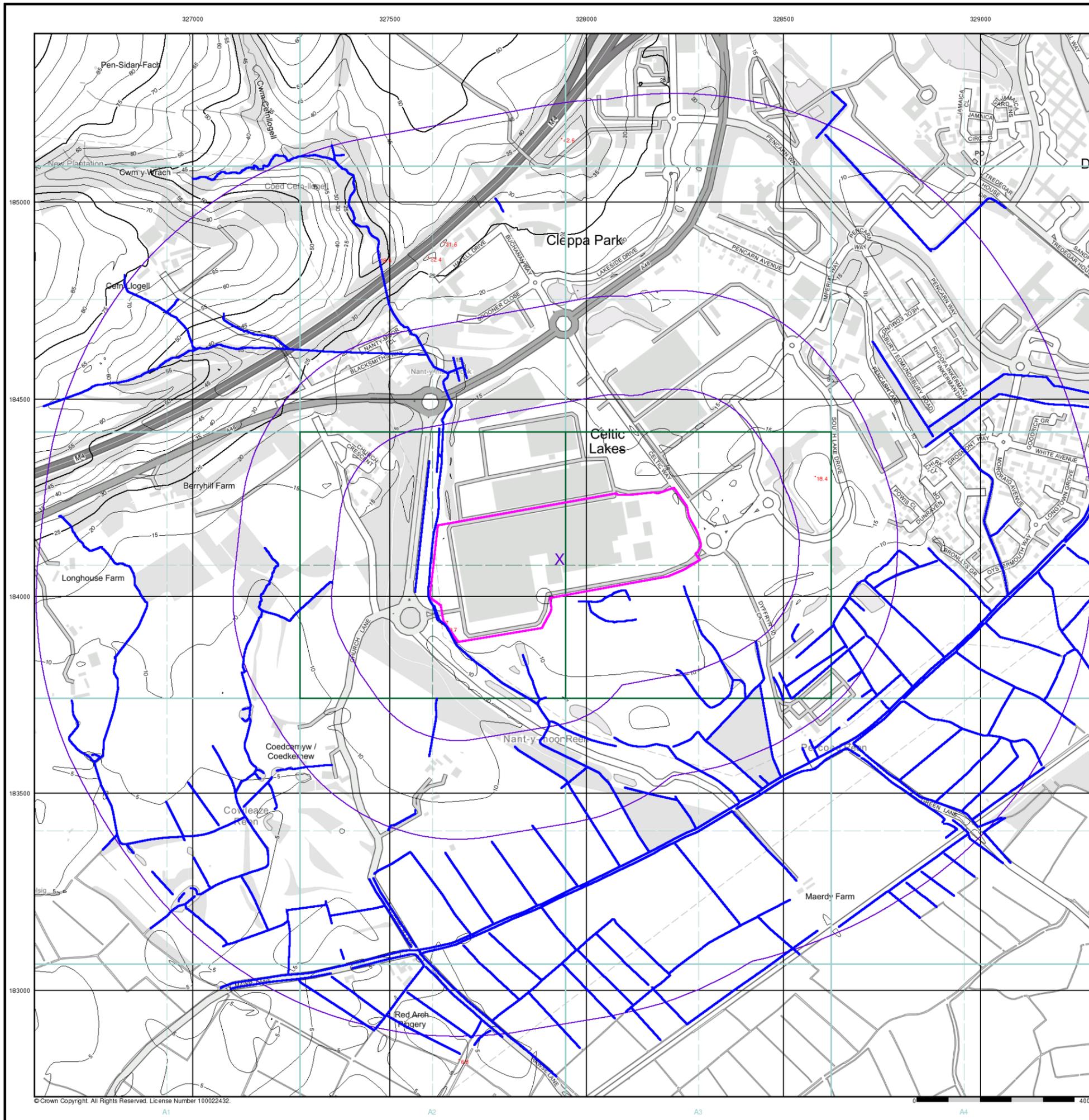


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## Site Details

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### General

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

### Risk of Flooding from Surface Water

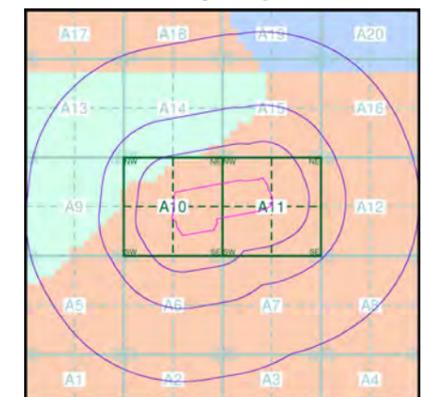
-  High - 30 Year Return
-  Medium - 100 Year Return
-  Low - 1000 Year Return

### 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

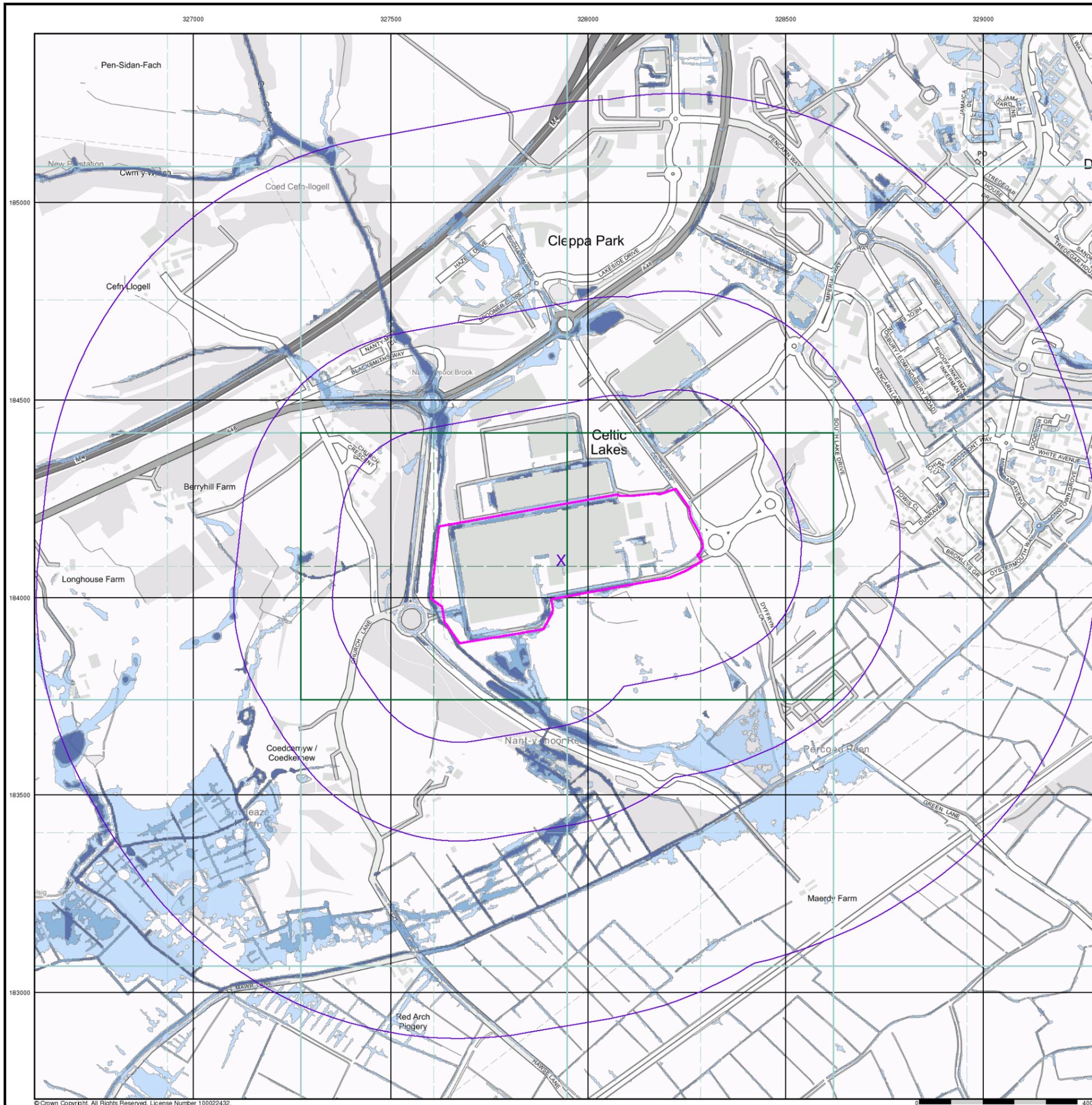


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Order Number: 278157460\_1\_1  
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### Site Details

Newport Quinn SDD RFO, Celtic Way, Celtic Lakes, NEWPORT, NP10 8BE

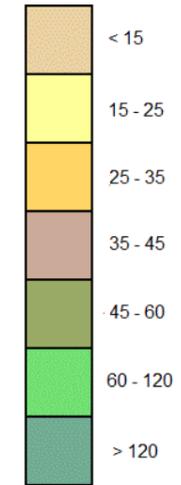


## General

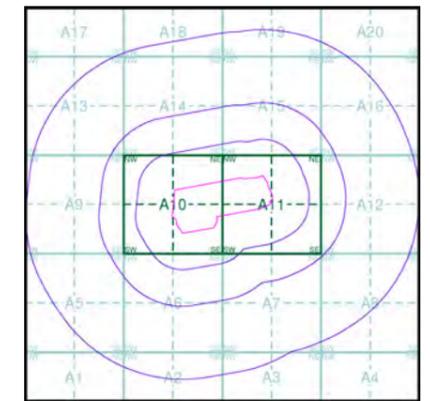
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

## Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



## Estimated Soil Chemistry Arsenic - Slice A

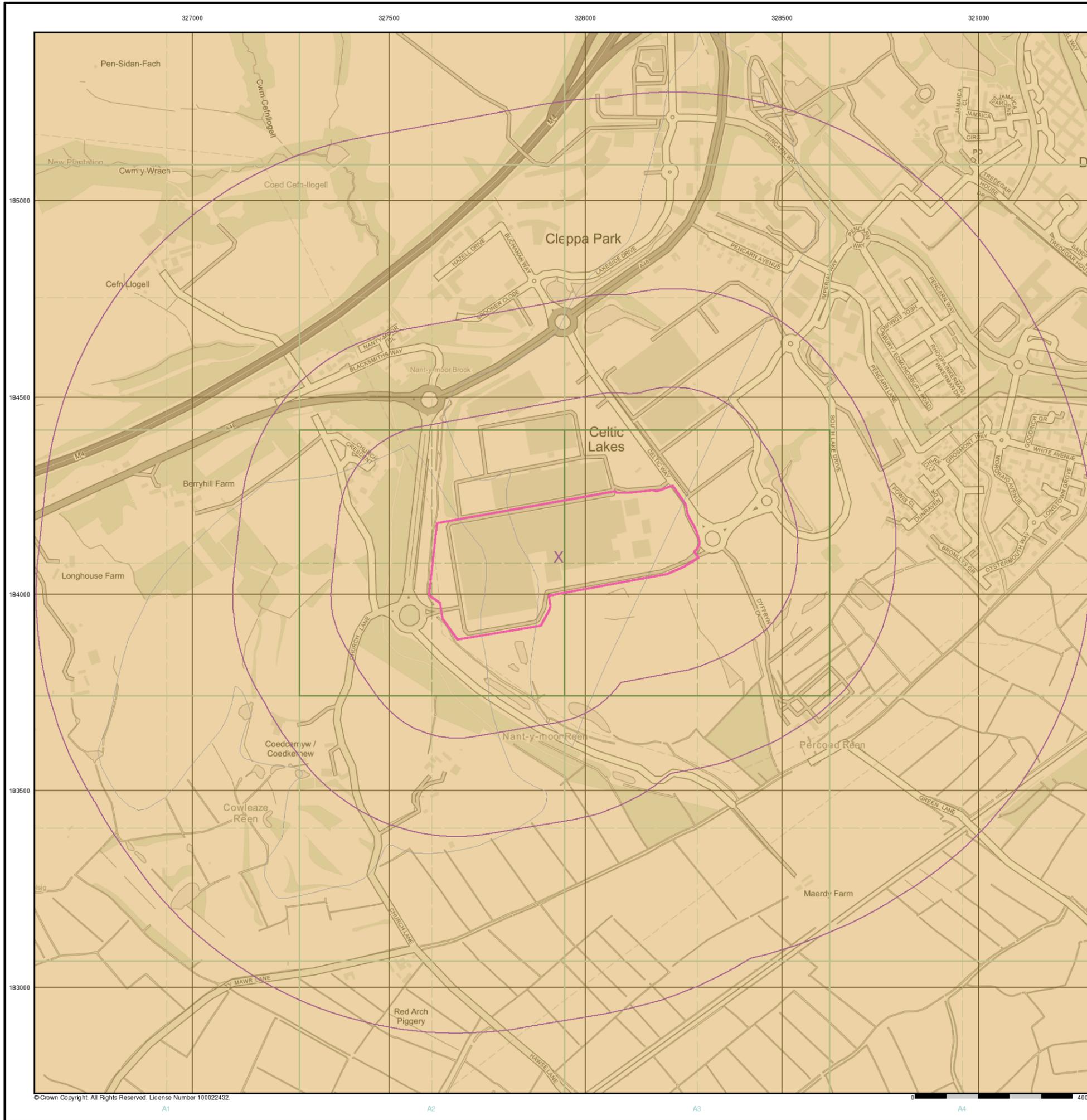


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 Slice: A  
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## Site Details

Newport Quinn SDD RFO, Celtic Way, Celtic Lakes, NEWPORT, NP10 8BE



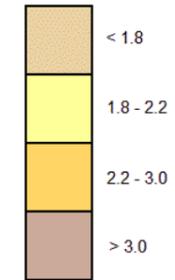
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## General

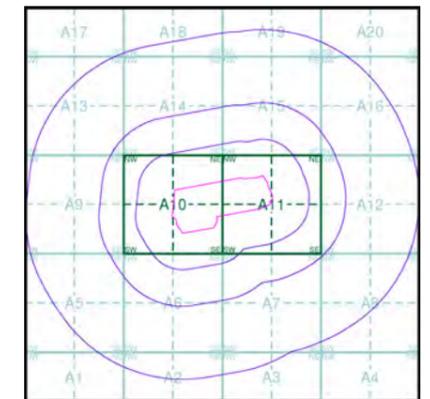
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

## Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



## Estimated Soil Chemistry Cadmium - Slice A

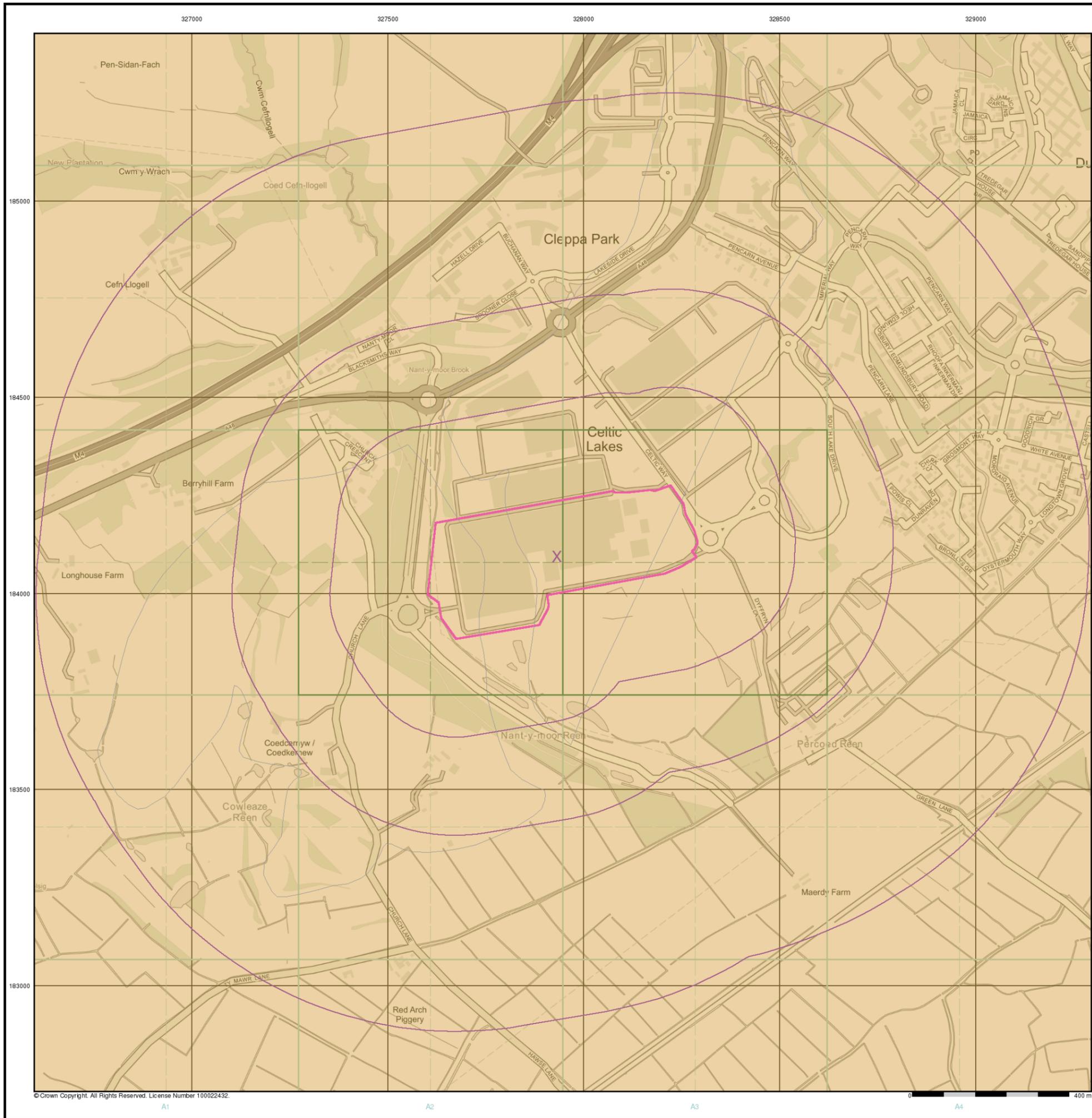


## Order Details

Order Details: 278157460\_1\_1  
 Customer Ref: PN214233  
 National Grid Reference: 327930, 184100  
 Slice: A  
 Site Area (Ha): 16.79  
 Search Buffer (m): 1000

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