

# PHASE 1 GEOENVIRONMENTAL DESK STUDY REPORT FOR CRUMPS YARD, CONNAH'S QUAY

Flintshire County Council 1001837201

MARCH 2018

## CONTACTS



**PAUL WRIGLEY**  
Project Director

dd +44 (0)113 284 5300

m +44 (0) 7811 109 364

e [paul.wrigley@arcadis.com](mailto:paul.wrigley@arcadis.com)

**Arcadis.**

1 Whitehall Riverside

Leeds, LS1 4BN

United Kingdom

---

# Phase 1 Geoenvironmental Desk Study Report for Crumps Yard, Connah's Quay

## Site Name

Author Jonathan Miles

Checker Neil Thurston

Approver Paul Wrigley

Report No 1001837201

Date MARCH 2018

## VERSION CONTROL

Version	Date	Author	Changes
01		Jonathan Miles	First Issue

This report dated 26 March 2018 has been prepared for Education and Skills Funding Agency (the "Client") in accordance with the terms and conditions of the appointment (the "Appointment") between the Client and **Arcadis (UK) Limited** ("Arcadis") for the purposes specified in the Appointment. For avoidance of doubt, no other person(s) may use or rely upon this report or its contents, and Arcadis accepts no responsibility for any such use or reliance thereon by any other third party.

# CONTENTS

<b>1</b>	<b>INTRODUCTION .....</b>	<b>1</b>
1.1	Appointment.....	1
1.2	Objectives.....	1
1.3	Proposed Redevelopment .....	1
1.4	Scope of Works.....	2
1.5	Previous Works.....	2
1.6	Reliability of Information / Limitations .....	2
<b>2</b>	<b>SITE SETTING .....</b>	<b>3</b>
2.1	Site Location .....	3
2.2	Site Description .....	3
2.3	Surrounding Land-use .....	3
2.4	Site Access.....	4
2.5	Utilities .....	4
<b>3</b>	<b>ENVIRONMENTAL SETTING .....</b>	<b>4</b>
3.1	Geology.....	4
3.1.1	Regional Geology – Published Sources .....	4
3.1.2	Radon Affected Areas.....	5
3.1.3	Coal Mining Affected Areas .....	5
3.1.4	Other Mining Activity and Dissolution Features.....	6
3.2	Hydrogeology and Groundwater Vulnerability.....	6
3.2.1	Regional Hydrogeology .....	6
3.2.2	Aquifer Classification .....	6
3.2.3	Groundwater Abstraction .....	6
3.2.4	Source Protection Zones .....	6
3.3	Hydrology .....	6
3.3.1	Surface Water Features.....	7
3.3.2	Surface Water Abstractions .....	7
3.3.3	Flooding Risk .....	7
3.3.4	Discharge Consents .....	7
3.3.5	Pollution Incidents to Controlled Water .....	7

<b>3.4</b>	<b>Landfills and Waste Management Activities</b> .....	<b>7</b>
<b>3.5</b>	<b>Industrial Land-use</b> .....	<b>8</b>
<b>3.6</b>	<b>Invasive Plants &amp; Protected Habitats/Species</b> .....	<b>8</b>
<b>3.7</b>	<b>Unexploded Ordnance (UXO) Screening Assessment</b> .....	<b>8</b>
<b>3.8</b>	<b>Previous Assessment Findings</b> .....	<b>8</b>
<b>4</b>	<b>SITE HISTORY</b> .....	<b>10</b>
<b>4.1</b>	<b>Site History</b> .....	<b>10</b>
<b>4.2</b>	<b>Potentially Contaminative History of the Surrounding Area</b> .....	<b>10</b>
<b>5</b>	<b>CONCEPTUAL SITE MODEL</b> .....	<b>13</b>
<b>5.1</b>	<b>Introduction</b> .....	<b>13</b>
<b>5.2</b>	<b>Contamination Sources</b> .....	<b>13</b>
5.2.1	On-Site.....	13
5.2.2	Off-Site.....	13
<b>5.3</b>	<b>Pathways</b> .....	<b>14</b>
5.3.1	Airborne Migration Pathways.....	14
5.3.2	Direct Contact Exposure Pathways .....	14
5.3.3	Aqueous Migration Pathways .....	15
<b>5.4</b>	<b>Receptors</b> .....	<b>15</b>
5.4.1	Human Health.....	15
5.4.2	Eco-systems .....	15
5.4.3	Property (buildings, etc.).....	15
5.4.4	Controlled Water.....	15
<b>5.5</b>	<b>Qualitative Risk Appraisal</b> .....	<b>16</b>
<b>5.6</b>	<b>Discussion</b> .....	<b>18</b>
<b>6</b>	<b>OTHER DEVELOPMENT CONSTRAINTS</b> .....	<b>19</b>
<b>6.1</b>	<b>Intended Future End Use of the Site</b> .....	<b>19</b>
<b>6.2</b>	<b>Preliminary Geotechnical Appraisal</b> .....	<b>19</b>
<b>6.3</b>	<b>Waste Soils Management</b> .....	<b>20</b>
<b>6.4</b>	<b>Potable Water Supplies</b> .....	<b>20</b>
<b>7</b>	<b>CONCLUSIONS AND RECOMMENDATIONS</b> .....	<b>21</b>
<b>7.1</b>	<b>Conclusions</b> .....	<b>21</b>
7.1.1	Preliminary Risk Assessment Outcome .....	21
7.1.2	Unexploded Ordnance.....	21

7.1.3	Geotechnical Constraints.....	21
7.1.4	Foundation Considerations.....	21
7.1.5	Drainage .....	21
7.2	<b>Intrusive Investigation Recommendations .....</b>	<b>21</b>

# APPENDICES

## APPENDIX A

**Arcadis Study Limitations**

## APPENDIX B

**Photographic Log**

## APPENDIX C

**British Geological Survey (BGS) Borehole Records**

## APPENDIX D

**Site-Specific Envirocheck Report**

## APPENDIX E

**Coal Authority Report**

## APPENDIX F

**Unexploded Ordnance (UXO) Screening Assessment**

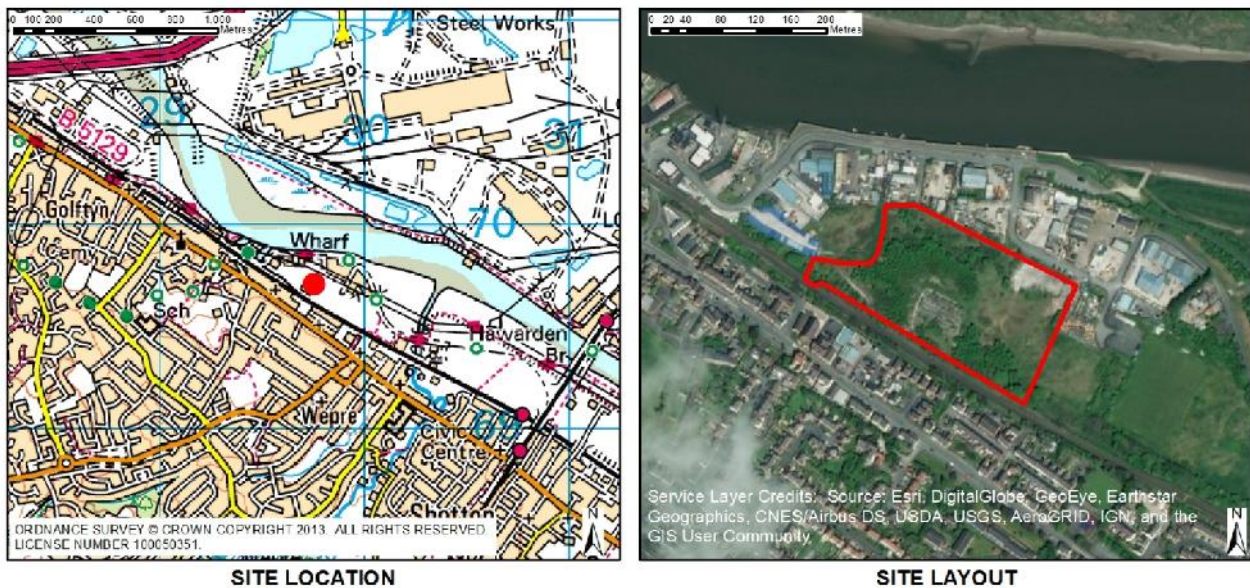
# 1 INTRODUCTION

## 1.1 Appointment

Arcadis (UK) Limited (Arcadis) was commissioned by Flintshire County Council (FCC) "the client" to complete a "Phase 1" geo-environmental desk study assessment for Crumps Yard, Dock Road, Connah's Quay, CH5 4DS. It is understood that the site is potentially to be redeveloped as a renewable energy solar PV facility.

The work was carried out in line with the proposal document "Crumps Yard – Proposal for Geo-environmental Site Assessment", dated 15<sup>th</sup> September 2017.

The site location plan is presented on Figure 1 below:



## 1.2 Objectives

The objectives of the geo-environmental desk study were to:

- Assess the environmental condition of the site including development of a conceptual site model, in line with UK regulatory guidance;
- Assess potential environmental or geotechnical constraints which could affect the proposed development; and,
- Provide recommendations for additional geotechnical and environmental investigations at the site.

## 1.3 Proposed Redevelopment

Arcadis understands the Site is being considered for re-development in to a photo voltaic (PV) solar renewable energy facility. No detailed design work has been completed at this stage of the project, however the following information on the high level design strategy and approach has been communicated to Arcadis:

- Due to a covenant on the land a screen of existing trees will be left to shield the development from the railway, and further mature trees will be left in place where possible.
- The preferred foundation approach for the solar panels is to import aggregate to create a development platform. The use of piled foundations will be eliminated or minimised where possible.
- Excavations will be kept to a minimum, and existing hardstanding and hardcore will remain in place as far as reasonable practical. Excavations may be required for caballing works these will be between 0.5 and 1m in depth.
- The development will comprise no routinely occupied structures.

## 1.4 Scope of Works

To achieve the objective the following scope of work was defined:

- Carry out a site reconnaissance of the site including preparation of a photographic log.
- Review the published and readily available information concerning the site including:
  - Pertinent information held by FCC;
  - Recent Ordnance Survey (OS) Mapping;
  - Site-specific Envirocheck Report;
  - Historical Ordnance Survey maps;
  - Radon maps for the UK ([www.ukradon.org](http://www.ukradon.org));
  - British Geological Survey (BGS) published maps and online GeoIndex including relevant archive borehole records;
  - The Coal Authority website;
  - The gov.wales website; and,
  - The Environment Agency (EA) and Natural Resources Wales (NRW) websites.
- Unexploded Ordnance (UXO) Screening assessment;
- Develop a Conceptual Site Model and prepare a Preliminary Risk Assessment; and
- Determine potential development constraints that would affect the design of foundations and construction of the buildings.

## 1.5 Previous Works

The following information was provided to Arcadis for review:

On site – No documents pertaining to previous environmental works on site were made available, however an email summary of information held by FCC about the site was received.

Off site

- Background Information and Preliminary Risk Assessment, Former Dock Road Landfill Site, Connah's Quay, Project No. 181870;
- Part 2A Detailed Inspection, Former Dock Road Landfill, Arcadis, 3698110108\_01, dated February 2018

## 1.6 Reliability of Information / Limitations

Arcadis warrants that the services performed were conducted in a competent and professional manner in accordance with sound consulting practices and procedures.

Arcadis cannot warrant the actual property conditions described in this report beyond matters amenable to confirmation within the limits of this report.

The reader is referred to the Study Limitations, presented in Appendix A.

## 2 SITE SETTING

### 2.1 Site Location

The site is located at Dock Road, Connah's Quay. Site elevation is approximately 5m Above Ordnance Datum (AOD).

The centre of the development site is located at National Grid Reference: 329750, 369710; and an indicative post code for the site is CH5 4DS.

A Site Location Plan is presented on Figure 1 and the site current site layout with features of interest marked is presented on Figure 2.

### 2.2 Site Description

A site reconnaissance visit was undertaken on 22<sup>nd</sup> February 2018 by Jonathan Miles of Arcadis. This section provides a summary of the observations made during this visit. Photographs taken during the site walkover are included as Appendix B.

The site comprises an area of approximately 3 hectares. The site boundaries comprise a mixture of fencing and earth bunds, it was noted that these do not currently prevent public access. There are no current structures of the site, and no current authorised site tenant.

The site was observed to be broadly level and open with very gentle slopes in the south east towards the adjoining Dock Road Landfill site, and in the south west towards a railway bridge. Two areas of concrete hardstanding were noted during the walkover, comprising approximately 10% of the total site area. One area of hardstanding is located in the north-east corner of the site, adjacent to Dock Road and the site access point. The other area is located centrally in the southern part of the site and comprised a number of long pits infilled with crushed aggregate. From discussions with FCC the remainder of the site is understood to be covered in hardcore comprising crushed aggregate and demolition material, this material was not visible in all areas of the site due to vegetation. The ground surface was observed to be dry, no depressions, standing water, or boggy areas were observed.

Other than a general grass covering, two areas of vegetation were noted during the walkover these comprised bushes and mature trees between 5 and 7 metres high. The first area is located to the west and north of the hardstanding in centre of the site, the second area is located to the south east of the hardstanding running to the eastern site boundary. In total the scrub and mature trees account for approximately 25% of the site area.

Small mounds of aggregate, metal and other waste material were noted in the north-east of the site. Plastic tanks, intermediate bulk containers (IBC), and other waste were noted on the site against the fence in the north west corner of the site.

Three manhole covers were noted during the site walkover, it is not known what utilities these relate to. High voltage overhead power lines run adjacent to northern site boundary.

### 2.3 Surrounding Land-use

The current land uses surrounding the site are described below:

- North:** To the north of the Site is the Dock Road Industrial Estate comprising yards and small light industrial buildings, beyond which the River Dee.
- East:** A rough grassed area is present east of the southern half of the Site, and a small industrial yard is present east of the northern half of the Site, beyond these is a sports-field and further rough grassed areas
- South:** A railway line is located immediately south of the site, beyond which are mixed light industrial, commercial and residential properties in Connah's Quay.
- West:** A small rough grassed area is present immediately west of the site, beyond which is the Dock Road Industrial Estate comprising yards and small light industrial buildings.

## 2.4 Site Access

The following potential vehicular access points were noted during the site reconnaissance:

- Access gate off Dock Road onto hardstanding in the north-east corner of the site, this is currently blocked with concrete blocks to prevent vehicle access to site.
- A narrow access bridge under the railway off Fishermans Road; the access point was noted to be narrow and potentially unsuitable for construction traffic. The railway is partially on an embankment, with the site side higher than the opposite side.
- A cul-de-sac off Dock Road terminates at the site boundary fence in the north-west of the site, this could potentially be used as an access point.

## 2.5 Utilities

The purpose of this report is not to conduct a detailed analysis of the utility requirements for the proposed redevelopment, however a high level review of public utilities has been undertaken to identify services considered pertinent to the development. The following is noted from the review:

- High voltage (132kv) overhead powerlines cross the north of the Site, this may influence the height of structures and plant during re-development;
- A high voltage underground cable runs along the western site boundary and there is a high voltage supply to the north east corner of the Site.
- A short section of pumped surface water sewer is shown on the site, however, this is not shown to connect to a network. This may influence excavation works during redevelopment; and,
- Linesearch indicates no nationally significant utilities are present on the site.

# 3 ENVIRONMENTAL SETTING

## 3.1 Geology

### 3.1.1 Regional Geology – Published Sources

The regional geological information pertaining to the site was gained from a review of the BGS 1:50,000 scale map (Sheet 108 - Flint, dated 1999) and BGS online GeoIndex website. This was supplemented where possible by archive borehole records available through the BGS GeoIndex (Appendix C).

Unit	Published Information	Borehole Record Information
Made Ground	The BGS mapping indicates the presence of Made Ground underlying the site and indicates these deposits have been placed over the original ground surface.	<p>Boreholes on the adjacent Dock Road Landfill Site identified up to 5m of waste and Made Ground. Waste was noted to the boundary with the Crumps Yard Site.</p> <p>Borehole record SJ26NE1183 located approximately 30m to the east of the Site reported 0.35 m of ash and slag fill overlying approximately 1.4m of clay sand and stone fill.</p> <p>Borehole record SJ26NE1179 located approximately 50m to the north of the Site reported 5.6 m of fill comprising ash, clay, sand and boulders.</p>

Unit	Published Information	Borehole Record Information
<b>Superficial Geology</b>	The site is shown to be underlain by Tidal Flat Deposits of clay silt and sand	<p>Boreholes on the adjacent Dock Road Landfill Site identified between 5 and 10m of Tidal Flat deposits recovered as a silty sand the thickness of which was not proven in all locations.</p> <p>Borehole record SJ26NE1183 located approximately 30m to the east of the Site reported approximately 2m of firm silty clay overlying approximately 1m of a fine brown sand the base of which was not proven.</p> <p>Borehole record SJ26NE1179 located approximately 50m to the north of the Site reported approximately 5 m of sandy silt and silty sand with sandstone gravel, underlain by approximately 7m of silty sand, and approximately 2m of boulder clay.</p>
<b>Bedrock Geology</b>	<p>The majority of the site is shown to be underlain by the Pennine Lower Coal Measures Formation (LCM) which comprise interbedded grey mudstone, siltstone, and sandstones.</p> <p>The eastern corner of the site may be underlain by the Gwespyr Sandstone Formation (Gwp)</p>	<p>Boreholes on the adjacent Dock Road Landfill Site identified the LCM at 16.2m bgl as a weathered mudstone in the form of a very stiff clay.</p> <p>Borehole record SJ26NE1179 located approximately 50m to the north of the Site reported bedrock of siltstone at approximately 21.5 m below ground level (bgl).</p>
<b>Other Features</b>	<p>Two geological faults are shown crossing the site, the first fault is between two units of the LCM and runs west-northwest to east-southeast in the north of the site.</p> <p>The second fault runs west-southwest to east-north east across the west of the site. On the east of the fault are the LCM, to the west of the fault is the interface between the LCM and Gwespyr Sandstone.</p> <p>The Llwyneinion Half Yard coal is shown to outcrop at the base of the LCM just above the Gwespyr Sandstone and therefore may be present on site.</p>	

### 3.1.2 Radon Affected Areas

Review of the Envirocheck report (Appendix D) and BR211 indicates that the site is located in an area affected by radon gas with a maximum radon potential of 10-30%. Although currently no routinely occupied structures are being considered for the proposed re-development it is considered likely radon projection measures will be necessary in occupied structures should they be required.

### 3.1.3 Coal Mining Affected Areas

Review of the Envirocheck report and Coal Authority website (accessed 6<sup>th</sup> February 2018) indicates that the site is located in an area potentially affected by coal mining (i.e. coal mining areas are located within 1km of the site) and as such a Coal Authority report was obtained for the site.

The report provided as Appendix E includes the following statements:

- The property is not within a surface area that could be affected by past underground working.
- There are no known coal mine entries within, or within 20m of, the boundary of the property, and,
- The property is not in an area where the Coal Authority has plans to grant a licence to remove coal using underground methods. However, reserves of coal exist in the local area which could be worked at some time in the future.

Based on the report there are not considered to be abnormal redevelopment risks associated with historic coal mining.

### **3.1.4 Other Mining Activity and Dissolution Features**

Review of the Envirocheck report indicates that the site is not located in an area considered to be at risk of other non-coal related mining activity or dissolution features.

## **3.2 Hydrogeology and Groundwater Vulnerability**

### **3.2.1 Regional Hydrogeology**

The hydrogeological map for the area (Sheet 19: Hydrogeological Map of Clwyd and the Cheshire Basin, 1:100,000 scale, dated 1989) indicates that groundwater will be present within the Tidal Flat Deposits, with flow direction dependent on local permeability and influenced by the River Dee, saline intrusion is considered likely. Based on the topography of the area groundwater is anticipated to be to the north east towards the River Dee, this flow direction is consistent with that identified during site investigation works on the adjacent Dock Road Landfill Site. The investigation also identified groundwater was tidally influenced although saline intrusion was not noted, with the recorded levels of sodium and chloride being typical of freshwater.

No specific information is given on groundwater within the Lower Coal Measures however these are reported to be generally of low permeability although water may occur in joints and in fractures caused by mining subsidence.

### **3.2.2 Aquifer Classification**

Natural Resources Wales aquifer classification indicates the superficial deposits beneath the site comprise a Secondary Undifferentiated Aquifer and the bedrock geology beneath the site is classified as a Secondary A Aquifer.

Secondary A Aquifers are defined as 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. These are generally aquifers formerly classified as minor aquifers.

Secondary (Undifferentiated) Aquifers have been designated in cases where it has not been possible to attribute either category A or B to a rock type. In most cases, this means that the layer in question has previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type.

### **3.2.3 Groundwater Abstraction**

The Envirocheck Report indicates that there are no groundwater abstractions for public water supply located within a 2km radius of the site.

### **3.2.4 Source Protection Zones**

The site is not located within a Source Protection Zone (SPZ) as designated by the Natural Resources Wales.

## **3.3 Hydrology**

### 3.3.1 Surface Water Features

The closest surface water feature to the site is an open drain approximately 20m to the south-west of the site. The River Dee is approximately 65m north of the site and is understood to be tidal at the point it passes the Site. According to information provided by FCC a culverted surface water feature may run through the site, and a second surface water feature called the "Fisherman's Drain" runs adjacent to the site. The precise location of these features is unknown.

### 3.3.2 Surface Water Abstractions

According to the Envirocheck Report, there are no active surface water abstractions recorded within 2km of the Site.

### 3.3.3 Flooding Risk

The Natural Resources Wales online mapping tool (accessed 6<sup>th</sup> February 2018) indicates that parts of the site are considered to be at low risk of flooding from rivers or sea, and from surface water flooding. These areas are located towards the site boundaries in the north, west and south

### 3.3.4 Discharge Consents

According to the Envirocheck Report, the Site does not have a discharge consent; should the redevelopment require the discharge of trade effluent a discharge consent may be required.

According to the Envirocheck Report, there are five active permitted discharge consents within a 250m radius of the Site, the closest located approximately 30m to the south for the storm discharge of public sewage.

### 3.3.5 Pollution Incidents to Controlled Water

The Envirocheck Report contains records of seven incidents that have occurred within a 250m radius of the Site; details of which are summarised below:

Distance and Direction from Site	Date	Description	Incident severity
13m north-east	17/11/1994	Pollutant: Oils - Diesel	Category 3 (minor incident)
17m north	17/11/1994	Pollutant: Carcasses	Category 3 (minor incident)
17m north	23/09/1991	Pollutant: Light oils	Category 2: (significant incident)
21m north	17/11/1994	Pollutant: Chemicals – Other inorganic	Category 3 (minor incident)
143m north-west	21/08/1994	Pollutant: Farm effluent	Category 3 (minor incident)
197m north-west	13/01/1992	Pollutant: Sewage - treated effluent	Category 2: (significant incident)
206m north-west	26/02/1992	Pollutant: Light oils	Category 2: (significant incident)

## 3.4 Landfills and Waste Management Activities

### On site

The following landfills are located partially on the Site:

Landfill Name	Date of Operation	Waste Deposited
Flint Banks	Unknown	Unknown

Landfill Name	Date of Operation	Waste Deposited
Wepre Chemical Works	Unknown	Industrial and special waste

### Off site

In addition to the above which cross the Site boundary there are five records of historic landfills within a 500m radius of the site. The closest of which (Dock Road Landfill) was located adjacent to the south-eastern boundary of the site and received waste between 1970 and 1973. The deposited waste included industrial, inert, commercial, household waste, and special waste.

There are four records of local authority recorded landfills within a 500m radius of the site. The closest of which (Dock Road Landfill) was located adjacent to the south-eastern boundary of the site, the dates of operation and waste deposited are not recorded

There are eight recorded licenced waste treatment, transfer or disposal sites within a 500m radius of the site. The closest is located approximately 21m to the north and relates to a scrap yard.

## 3.5 Industrial Land-use

There are reportedly no Part A(1) Environmental Permits (formerly Integrated Pollution Prevention and Control (IPPC) permits) or COMAH sites within 500m of the site.

There is a Part B Environmental Permit associated with the Site, this is for the blending, packing, loading and use of bulk cement, and registered to Cemex.

There one further current Part A(2) or Part B Environmental Permits (formerly LAPPC permits) within 500m of the Site, located approximately 430m to the south-east of the site and registered to Evergreen Dry Cleaners.

In addition, the Envirocheck report records potentially contaminative industrial sites within 250m of the site, the closest and most pertinent of which are listed below:

- ADR Van Rental, located approximately 10m north-east, with activities including servicing.
- Cheshire Crane Hire, located approximately 30m north-east, with activities including servicing.

## 3.6 Invasive Plants & Protected Habitats/Species

During the site walkover, no palpable evidence of invasive plants / protected species was observed.

With respect to protected habitats, the site is within 500m of the following protected sites: Site of Special Scientific Interest (SSSI), Ramsar Site, Special Area of Conservation, and Special Protection Area.

## 3.7 Unexploded Ordnance (UXO) Screening Assessment

A Pre-Desk Study Assessment has been prepared by Zetica Limited (Appendix F) which indicates that no readily available records of bombing or other significant military activity on the site were found. It is considered that the site is likely to have a low Unexploded Ordnance (UXO) hazard level..

Based on the above UXO mitigation measures during redevelopment are unlikely to be required.

## 3.8 Previous Assessment Findings

The following information has been provided to Arcadis by FCC in email correspondence.

- The historical uses of the site are reported to include tank cleaning/sales, scrap metal processing, sulphur works, fertiliser manufacturer (from leather wastes), leather works, concrete mixing/batching, wagon works and timber yard;
- The Welsh Office Survey of Contaminated Land (c late 80s), makes note of site as impacted by contamination;
- The land is likely recovered and raised from the Dee using Le Blanc/alkali waste from nearby works;

- Information regarding the tank cleaners/scrapyard:
  - Understood to have operated from the 1950s closed before works to remove a variety of wastes from the site had taken place. Reportedly wastes hadn't been stored, handled or disposed correctly, some wastes, including chromium wastes, were held in basic pits excavated directly into the ground;
  - Wastes came to site in tankers (up to 1960s) and were emptied into 6m deep pits around the site. Sometimes the wastes caught fire. Rayon wastes were reportedly disposed around the south of the site; and,
  - Limited works were completed to remove liquid, free and visible wastes from the site and the excavations were backfilled. There is no information to show contamination was chased out or what went back into the excavations or evidence of post-works monitoring.
- A culvert runs through the site and discharges into the River Dee, the source and use of which is unknown. A second water feature the 'Fisherman's Drain' was culverted around the site;
- The Leachate drain and soakaway from Princes Pit landfill is on edge of the site, free phase product was identified during its construction, it is unknown if they were removed. High levels of ammonia also identified, potentially linked to the wastes known to have been deposited in that landfill; and
- The site was investigated in 1992 although no details about the number and position of locations is available, the findings included:
  - Widespread elevated concentrations of arsenic and mercury, solvents, hydrocarbons, chlorinated solvents (dichloromethane in particular), and chromium compounds. Visual evidence of oils, oily sludges and tarry substances also noted;
  - Pulverised fuel ash (PFA) and rayon noted in the south of the site; and,
  - Contamination reported within natural deposits.

## 4 SITE HISTORY

### 4.1 Site History

Based on historical maps in the Envirocheck Report (presented in Appendix C) the site history is summarised below:

Aspect	Map Dates	Comments
Chemical Works	1870-1890	<p>In 1870 the northern third of the site is shown as a marsh and is noted as "likely to flood" with a stream running along the western boundary; the southern two thirds appear to have been partially in-filled to raise levels above the marsh.</p> <p>Three buildings are shown on the lower two thirds of the site. The western building is connected to the Manchester to Holyhead railway. The eastern two buildings are labelled as a chemical works and one structure extends beyond the eastern site boundary.</p> <p>By 1890 only the western building remains and the chemical works is marked as disused. The remaining marsh areas on site have been infilled.</p> <p>The type of chemical works has not been identified, however given the dates of operation and the known industry in the local area an alkali works in considered most probable.</p>
Wagon Works and Saw Mills	1912-2001	<p>1912 - The building in the west of the site is now marked as a wagon works and saw mill, a timber yard, railway sidings and embankments, and travelling crane are associated with the structure.</p> <p>1964 – Two additional buildings are shown in the northern third of the site with associated railway sidings. Some reprofiling of the land in the east of the site appears to have taken place. The stream along the western boundary is no longer shown.</p> <p>1982 – The southern building has been demolished and replaced by sidings, the site is labelled as a wagon repair works. An electrical sub-station is shown on site.</p> <p>1987 – An additional structure and sidings is shown in the centre of the site.</p> <p>2001 – The wagon works has been demolished with the exception of the structure in the centre of the site.</p> <p>Present – Based on Google Maps (accessed 15/02/2018) the central structure is no longer present on site</p>
Depot	1995-present	A small depot is shown in the north-east corner of the site

As outlined in Section 3.8 FCC has provided information that in addition to the uses shown on historical maps the site has also been used for the treatment of waste including liquid wastes in potentially unlined pits. Other reported uses included a leather works and fertilizer works.

### 4.2 Potentially Contaminative History of the Surrounding Area

Based on historical maps in the Envirocheck Report (presented as Appendix C) and other reviewed information the history of the area surrounding the site is summarised below:

Phase 1 Geo-Environmental Desk Study  
Crumps Yard, Connah's Quay

Aspect	Location	Dates	Comments
Dock Road Landfill	Adjacent east of site	1970's - Present	<p>The landfill is understood to have been active in the 1970-1980 and to have received domestic, commercial and industrial wastes.</p> <p>The landfill was investigated under a Part 2a assessment in 2017 and did not meet the requirements of a special site.</p> <p>The following findings of the assessment are noted:</p> <ul style="list-style-type: none"> <li>Construction waste was identified at the boundary with the Crumps Yard site, domestic and chemical waste were also identified;</li> <li>Elevated levels of contaminants of concern were noted including sulphate, metals, hydrocarbons, and ammonia;</li> <li>Parts of the landfill were producing gas characteristic situation 2 (BS 8485); and,</li> <li>The landfill construction would not likely prevent cross boundary migration of contaminants of concern</li> </ul>
Railway	Adjacent south and west of site	1848 – present day	<p>Manchester to Holyhead Railway runs along the southern site boundary.</p> <p>Further railway lines were located adjacent to the west and within 100m to the north of the site.</p>
Dock Road Industrial Estate	Adjacent north of site	Present	Businesses observed included crane servicing and vehicle repair.
Wharf and Docks	50m north-west of site	1871-present	Storage and transportation of goods
Chapel Street Landfill	Approximately 300m south-west of site	1970's/1980's - Present	Nature of deposited waste unknown
Reyneys Pit Landfill	Approximately 300m south-west of site	1970's/1980's - Present	Materials deposited understood to have included industrial, inert, commercial, domestic, and special waste.
Princes Pit Landfill	Approximately 400m south-west of site	1970's - Present	<p>The landfill is understood to have been active in the 1970's and to have received domestic, industrial, chemical, and hazardous waste.</p> <p>Leachate from the landfill is understood to flow via a gravity drain to a soakaway on the Dock Road Landfill Site</p> <p>The landfill is understood to be impacting surrounding groundwater.</p>
Brick works	300m south-west and 400m south-north	1900 - 1970	Production of bricks from sand and clay. Pits later used as landfill sites at Princes Pit, Chapel Street, and Rayneys Pit
Gas works	450m south-west	1900 - 1994	Given the date of the gasworks likely produced town gas by coal carbonisation.

Phase 1 Geo-Environmental Desk Study  
Crumps Yard, Connah's Quay

Aspect	Location	Dates	Comments
Chemical Works	850m southeast	1871 - 1954	Labelled as Wepre Chemical Works until 1954, structure shown until 1994. Connected to the site by railway lines

## 5 CONCEPTUAL SITE MODEL

### 5.1 Introduction

This section summarises the findings of this desk-based assessment and site reconnaissance in the form of a geo-environmental conceptual site model (CSM).

The CSM provides a qualitative evaluation of potentially active “pollutant linkages” at the site; these being plausible scenarios whereby a contamination source is connected to a possible receptor by one or more pathways:

- Potential sources of contamination: these include any actual or potentially contaminating materials and activities, located either on or in the vicinity of the site;
- Potential pathways for contamination migration: these comprise the routes or mechanisms by which contaminants may migrate from the source to the receptor including environmental migration pathways and human health exposure pathways; and
- Potential receptors of contamination: these include present and/or future land users, ecological systems, water resources and property.

### 5.2 Contamination Sources

Based on the information reviewed in this report the following potential contamination sources have been identified:

#### 5.2.1 On-Site

On-site sources have been identified associated with Made Ground and potential contaminants of concern associated with former site uses. The table below summarises the potential on-site sources and the primary contaminants associated with these sources.

Potential On-Site sources	Primary Contaminants
(Probable) Made Ground	Metals (including heavy metals), polycyclic aromatic hydrocarbons (PAHs) and asbestos. Potential source of ground gas if found to be have a high organic content.
Chemical Works	Metals, Total Petroleum Hydrocarbons (TPH), PAH, sulphate, sulphide, ammonia, chloride.
Wagon Works	Metals, asbestos, TPH, PAH, volatile organic compounds (VOC), semi volatile organic compounds (SVOC), polychlorinated biphenyls (PCB), pH, ammonia, chloride, sulphide, and glycols
Saw Mill	Arsenic, copper, TPH, PAH, phenols, and pH
Tank Cleaning Works / Liquid Waste Disposal	Metals, TPH, PAH, ammonia, VOC, SVOC, PCBs, acids and bases (pH), surfactants, acetone, phthalates, and methyl ethyl ketone (MEK)
Landfill	Metals, asbestos, TPH, PAH, VOC, SVOC, PCB, sulphate, sulphide, chloride, ammonia, ground gas

#### 5.2.2 Off-Site

Potentially contaminative land uses have been identified in the vicinity of the site, the most pertinent of which are presented in the table with potentially associated contaminants:

Potential Off-Site sources	Primary Contaminants
Dock Road Landfill, including the leachate drain soakaway from the Princes Pit Landfill	Metals, asbestos, TPH, PAH, sulphate, ammonia, pH, chloride, VOC, SVOC, PCBs, poly and perfluoroalkyl substances (PFAS), and ground gas.
Railways	Metals, asbestos, TPH, PAH, phenols, VOCs, SVOCs, and PCBs
Dock Road Industrial Estate	Metals, TPH, PAH, asbestos, VOCs, SVOCs, pH
Other landfills within 500m	Metals, asbestos, TPH, PAH, VOCs, SVOCs, chloride, ammonia, sulphate, pH
Gas works	Metals, asbestos, TPH, PAH, phenols, ammonia, and pH
Chemical works	Metals, asbestos, TPH, PAH, sulphates, sulphides, pH, chloride,
Brick works	Metals, asbestos, TPH, PAH, phenols
Recorded pollution incidents	TPH

Contaminants of concern in green are of low mobility and have therefore been discounted for the sources in question based on the distance from the site. In addition, given the local groundwater flow observed on the adjacent Dock Road Landfill site migration of contaminants of concern from the gas works and chemical works is considered unlikely.

## 5.3 Pathways

Although Arcadis understand that routinely occupied structures are not currently intended to form part of the re-development in the absence of detailed design drawings the potential presence of site workers has not been discounted at this point. Potential migration pathways based on the proposed end use are discussed below.

### 5.3.1 Airborne Migration Pathways

- The majority of the site is currently understood to be covered in crushed hardcore of unknown composition, as such, particulate inhalation due to dust generation is a potentially active pathway.
- Vapour inhalation pathways in relation to soil are potentially active, vapour inhalation pathways in relation to groundwater are considered potentially active due to the likely depth of groundwater (approximately 3 to 4m bgl) based on data for the neighbouring Dock Road Landfill.
- During re-development works, sub-surface soils could be exposed at the surface due to trenching and or re-profiling requirements and therefore dust has the potential to be generated. Notwithstanding this, typical dust suppression techniques would almost certainly be employed so that exposures would be minimised.
- Migration and accumulation of permanent ground gases originating from the made ground on site and the adjacent Dock Road Landfill Site in confined spaces leading to asphyxiation and/or explosion is considered potentially active.

### 5.3.2 Direct Contact Exposure Pathways

- The proposed site surfacing under the re-development scenario is unknown, should a significant portion of the site area be covered in some form soft landscaping direct contact pathways in relation to soil would be considered active. Given the likely depth to groundwater (anticipated at approximately 3 to 4m bgl) based on data from the neighbouring Dock Road Landfill, direct contact pathways in relation to groundwater are not considered active.

- Direct contact pathways would be active throughout the construction phase of the redevelopment; typical mitigation measures such as personal protective equipment (PPE; overalls, gloves etc.) would be used to mitigate this risk. If significant levels of contamination (such as NAPL) are present additional PPE may be required as mitigation.

### 5.3.3 Aqueous Migration Pathways

- Leaching of contaminants in the shallow soils to groundwater within the Tidal Flats is considered potentially active
- The anticipated presence (based on boreholes on the Dock Road Landfill) of a thickness of between 6 and 11m of Tidal Flat Deposits (Secondary Undifferentiated Aquifer) underlying the Site may provide a barrier to reduce vertical migration to the underlying Lower Coal Measures (Secondary A Aquifer). However nearby boreholes indicate the Tidal Flat Deposits are partly granular and therefore permeable in nature and therefore the pathway cannot be discounted at this point.
- Lateral migration of off-site impacts on to the site from nearby industrial sources and landfills is considered potentially active. The most likely source would be the adjacent Dock Road Landfill Site given the permeability of the Made Ground and Tidal Flat Deposits, however the likely groundwater flow to the north may mitigate against this.
- Lateral migration of on-site impacts towards the River Dee is considered potentially active given the likely permeability of the Tidal Flat Deposits and the unknown depth of the Made Ground on site.
- Certain types of substance have the potential to permeate plastic water supply pipes and impact upon drinking water quality; the responsibility for the protection of the supply lies with the water company and will be assessed using the prevailing risk assessment and risk management process as part of the future redevelopment.
- Leaching of contaminated groundwater into culverted drains and subsequently the River Dee.

## 5.4 Receptors

With reference to Part 2a of the Environmental Protection Act (1990), the potential receptors to be considered in any contaminated land scenario can be summarised as follows:

### 5.4.1 Human Health

For the purposes of this assessment it is assumed that the proposed development will comprise a Solar PV facility, and as such the operation and maintenance staff are the primary receptor of concern for any contamination risk. The risk would be influenced by the duration and location of the staff work regimes.

Construction workers/contractors could also be exposed to contaminants during any construction processes (i.e. during any ground reprofiling or utility/foundation trenching).

Users of the adjacent buildings (industrial workers and neighbouring residents) could also be at risk. However, for exposure to occur, active cross-boundary migration pathways would be required.

### 5.4.2 Eco-systems

The Dee Estuary is an ecologically protected area designated a SSSI, SPA, Ramsar, and SAC. The designations are based on its bird populations (primarily waders and waterfowl), intertidal sand and mudflats, saltmarsh and transitional habitats, and its populations of sandhill rustic moth *Luperina nickerlii gueneei*, Red Data Book species.

### 5.4.3 Property (buildings, etc.)

The proposed development will include new structures and associated infrastructure, which could be subject to potential sulphate attack in relation to buried concrete.

### 5.4.4 Controlled Water

Groundwater is a Controlled Water; therefore, the groundwater beneath the site requires consideration and protection. At this site, the underlying geology comprises Tidal Flat Deposits which are classified as a Secondary (Undifferentiated) Aquifer. Secondary (Undifferentiated) Aquifers are described as deposits where

“it has not been possible to attribute either category A or B to a rock type” where “in most cases, the layer in question has previously been designated as both minor and non-aquifer in different locations due to the variable characteristic of the rock type”. The superficial deposits have been considered as a potential receptor, on the basis that based on data from neighbouring off-site boreholes they are generally granular in nature and that they have been identified at a significant thickness (proven at a thickness of between 6 m and 20m).

The underlying bedrock aquifer (Lower Coal Measures), is classified as a Secondary A Aquifer, has also been considered as a potential receptor. However, given that it was identified on the adjacent Dock Road Landfill as a firm to very stiff clay and at a depth of 10m bgl and 15m bgl, the overlying granular superficial deposits are considered to be the primary receptor of concern in relation to groundwater

Surface water courses are also considered Controlled Water receptors; given its distance from the Site the River Dee is therefore considered a receptor as are the potential culverted surface water drains on or close to the site.

## 5.5 Qualitative Risk Appraisal

Based on the CSM the following table presents the plausible pollutant linkages that apply to this site. An indicative qualitative assessment of the likelihood that a risk could be realised is provided in the table below:

Potential Receptor	Potential Source	Potential Pathway	Risk	Justification
Future Site Users	Permanent Ground Gas (from Made Ground on site)	Migration through future site structures	Medium	Based on assumed presence of significant thickness of made ground on site.
	Permanent Ground Gas (from adjacent off-site landfill)	Migration through superficial deposits on to site then through future site structures	Medium	The adjacent landfill is known to be generating ground gas.
	Made Ground, shallow soils, and shallow groundwater (On site materials including those associated with former chemical works and tank cleaning)	Particulate inhalation, dermal contact and ingestion (soils only)	High	This Source-Pathway-Receptor is potentially active, given the contaminants of concern associated with historic uses of the site, and the potential for large releases to ground to have occurred. Risk dependent upon material within the made ground constituents.
		Vapour inhalation indoor and outdoor air (soils and groundwater)	High	
Off-site industrial sources (including the Dock Road Landfill, other landfills)	Particulate inhalation, and dermal contact	Low to negligible	While there is the potential for contaminants to migrate onto site via groundwater within the Made Ground and Tidal Flat Deposits	

Potential Receptor	Potential Source	Potential Pathway	Risk	Justification
	and the Dock Road and Industrial Estate) migrating onto site	Vapour inhalation indoor and outdoor air (groundwater only)	Low	<p>the risk is considered to be low given the distance from the Site or the likely groundwater flow direction.</p> <p>The cap on the Dock Road Landfill is known to be of limited thickness, therefore exposure to wind generated particulates from the waste mass cannot be ruled out but is considered limited as significant dust generation is unlikely.</p>
Neighbouring Industrial Workers and Residents	Permanent Ground Gas (from Made Ground on site)	Migration through granular superficial deposits then migration through existing neighbouring resident structures	Medium	Based on assumed presence of significant thickness of made ground on site.
	Leaching of potential contaminants from Made Ground to shallow groundwater.	Lateral migration of on-site impacts off Site with resulting potential inhalation pathway.	Medium	<p>This Source-Pathway-Receptor is potentially active, the risk level applies to industrial workers understood to be hydraulically down gradient of the site on the Dock Road Industrial Estate. The risk to human health receptors south of the site is considered low to negligible.</p> <p>The risk is dependent upon assessment of materials and potential contaminants of concern within the made ground.</p>
Future Construction Worker	Made Ground, shallow soils, and shallow groundwater (On site materials including those associated with former chemical works and tank cleaning)	Particulate inhalation, (soils only). Dermal contact, and ingestion	High	This Source-Pathway-Receptor is potentially active, given the contaminants of concern associated with historic uses of the site, and the potential for large releases to ground to have occurred. Risk dependent upon material within the made ground constituents.
		Vapour inhalation indoor and outdoor air	High	
Controlled Waters (Secondary (Undifferentiated) Aquifer)	Made Ground, and shallow soils (On site materials including those associated with former chemical works and tank cleaning)	Leaching to groundwater	High	This Source-Pathway-Receptor is potentially active, given the contaminants of concern associated with historic uses of the site, and the potential for large releases to ground to have occurred. Risk dependent upon material within the made ground constituents.

Potential Receptor	Potential Source	Potential Pathway	Risk	Justification
Controlled Waters (River Dee)	Made Ground, and shallow soils, and shallow groundwater (On site materials including those associated with former chemical works and tank cleaning)	Migration in Secondary (Undifferentiated) Aquifer to River	Medium	This Source-Pathway-Receptor is potentially active, given the permeability of the Tidal Flat Deposits, and the anticipated groundwater flow direction.

## 5.6 Discussion

In general, the contamination potential for the site is considered HIGH on the basis of the site history and the potential for significant amounts of Made Ground and potential landfill waste to be present. Contaminants based on the site history may include but not be limited to asbestos, heavy metals, PAH, sulphate, chloride, VOC and SVOC compounds. If this is the case any redevelopment will require capping and/or treatment of the Made Ground and/or waste material.

Arcadis recommends that a targeted intrusive site investigation be undertaken to confirm ground conditions beneath the Site and collect soil and/or groundwater samples for analysis for identified potential contaminants of concern including asbestos, heavy metals and PAHs.

## 6 OTHER DEVELOPMENT CONSTRAINTS

### 6.1 Intended Future End Use of the Site

It is understood that the site is to be redeveloped as a Solar PV Renewable Energy Facility, at the time of writing no detailed design information has been provided to Arcadis, however FCC have indicated a broad redevelopment approach (Section 1.3).

### 6.2 Preliminary Geotechnical Appraisal

The following potential geotechnical constraints have been identified on-site:

Ground / Groundwater Constraint	Consequence	Further Investigations / Actions	Anticipated Mitigation Measures
Ground / Groundwater aggressive to concrete	Risk of deterioration of below ground concrete and mortar, loss of structural integrity, reduction in design life.	Sampling and testing of soils and groundwater to determine aggressivity to concrete.	Appropriate concrete class specified.  This may not be required if piled foundations are eliminated as proposed.
Hard spots/relict hardstanding	Differential movement between areas underlain by hardspots (relict floor slabs, trackbed, travelling crane foundation etc.) and compressible (possibly thixotropic) made ground or natural soils.	Confirm shallow ground conditions.	Design to avoid rapid changes in ground conditions, allow for movement between adjoining PV panels. Foundations to be designed to accommodate potential differential movements
Heave and Settlement due to shrinkable soils	The site is understood to be built over marsh land adjacent to the River Dee.  Risk of deterioration of hard standing or damage to foundations due to shrinking and swelling of clays due to moisture content changes	Sampling and testing of soils to determine shrinking or swelling potential	Foundations to be designed to accommodate potential differential movements
Heave and Settlement due decay of landfilled material	Risk of deterioration of hard standing or damage to foundations due to degradation of waste mass creating voids	Sampling and testing of soils to characterise waste mass.	Foundations to be designed to NHBC standards at minimum foundation depth.
Poor ground conditions	A thickness of made ground and Tidal Flat Deposits is anticipated to be present beneath the site. This together with a high groundwater table means that shallow foundations may not be suitable depending on the final design of the proposed development	Shallow intrusive investigation to determine near surface ground conditions and deeper investigation in order to collect information to enable pile design.	Piled foundations or ground improvement (such as vibro-replacement stone columns are likely to be required to support structural loads.

Ground / Groundwater Constraint	Consequence	Further Investigations / Actions	Anticipated Mitigation Measures
Relict foundations from previous development	Encounter of abandoned below ground structures leading to additional groundworks and consequential delays.	Carry out intrusive investigation in vicinity of historic structures.	Risk remains that ground conditions may vary over short distances and relict foundations may not be apparent/encountered due to mapping inaccuracies and particularly so in small diameter boreholes
Ground Gases including radon	Risk of ground gas exposure associated with Made Ground on-site and adjoining landfills.  Radon from natural geology	Ground gas monitoring to assess Made Ground and landfill.  No further investigation required for radon	Gas mitigation measures in line with BS 8485 (likely to include Installation of an impermeable Membrane.  Radon protection measures

### 6.3 Waste Soils Management

Careful management of soils during the excavation works will ensure optimum utilisation of soil resources. For example, although not expected in significant quantities any topsoil excavated should be tested, and where suitable stockpiled for use in the development.

Given the proposed depth of the caballing trenches natural uncontaminated soils are not expected to be encountered, however if excavated and reused on the same site they are not classified as waste and therefore can be reused. If these soils were to be transferred directly to another site, they would require a Materials Management Plan (MMP) / Design Statement in line with CL:AIRE document. Alternatively, they could be taken to a facility with an Environmental Permit that enables reuse.

In order to reuse Made Ground and stockpiled materials it would be necessary to demonstrate that the Made Ground was suitable for reuse and would require a MMP / Remediation Statement in line with the CL:AIRE document.

Given the anticipated nature of the soils on site (Made Ground), it is anticipated an MMP will be required during the redevelopment works to enable that soils can be reused wherever possible on site. As a last resort they would need to be classified as waste and taken to a landfill.

### 6.4 Potable Water Supplies

There are currently no (fully adopted) national standards for the protection of potable water supply pipes in potentially contaminated ground. However, the UKWIR has published guidance in this respect and testing should be undertaken with due recognition of this guidance.

## 7 CONCLUSIONS AND RECOMMENDATIONS

### 7.1 Conclusions

#### 7.1.1 Preliminary Risk Assessment Outcome

Potential pollutant linkages have been identified which merit further characterisation investigation works to confirm the presence or absence of risks in the context of the proposed redevelopment.

#### 7.1.2 Unexploded Ordnance

The Preliminary UXO Risk Assessment undertaken indicated that no further action was warranted to address the level of risk at the Site.

#### 7.1.3 Geotechnical Constraints

The following potential geotechnical constraints have been identified on-site:

- Ground / Groundwater aggressive to concrete;
- Heave and settlement of structures due to shrinkable soils;
- Heave and settlement of structures due to degradation of landfilled material;
- Settlement of made ground;
- Potential for historical relict structures (including a culvert);
- Ground gases within the made ground; and,
- Radon

#### 7.1.4 Foundation Considerations

Detailed plans are not currently available for the proposed scheme, however it is anticipated much of the site will be covered with PV arrays, with limited associated infrastructure including transformers/switchgear, construction compound etc.

PV arrays are typically lightly loaded structures, however driven or helical steel piles are commonly used as foundations due to the speed of construction and the ability to resist uplift (wind load) forces. Given the anticipated ground conditions, which may include corrosive substances and weak or thixotropic soils, piles may not provide the most appropriate foundation for this development. Consideration should therefore be given to the use of precast ballast foundations (shoes). These have the advantage that they can be installed at the surface with limited chance of exposing waste, disrupting caps etc. Even with lightly loaded structures, the detailed design will need to take account of the possibility of differential movement occurring.

For the switchgear/transformer etc., it is anticipated that a single storey, lightly loaded structure will be required. The use of traditional foundations is unlikely to be suitable given the anticipated ground conditions, but a raft or similar foundation may be appropriate. Site investigation will be required to confirm ground conditions, soil aggressivity etc.

#### 7.1.5 Drainage

Additional drainage is not currently expected to be required for the development.

### 7.2 Intrusive Investigation Recommendations

Completion of a ground investigation is recommended. A Proposed Exploratory Plan has been produced for a combined environmental and a geotechnical investigation of the Site. The proposed exploratory holes have been positioned in areas of concern and for further coverage of the Site to determine general site and groundwater conditions.

The investigation will include:

- 20 No. trial pits to 3m or refusal to assess the type and condition of the Made Ground and obtain soil samples for analysis;

Phase 1 Geo-Environmental Desk Study  
Crumps Yard, Connah's Quay

- 10 No. percussive boreholes to target depth of 6m with groundwater monitoring wells to investigate quality of groundwater;
- Shallow CBR estimation using dynamic cone penetrometer or Mexe Cone,
- Chemical testing to confirm soil and groundwater aggressivity.
- Geotechnical testing to confirm basic soil characteristics.
- Environmental analysis to confirm the level of risk and waste classification of soils; and,
- Groundwater (1 visit) and gas monitoring (minimum of 6 visits over 2 months).

A suggested analytical scope based on potential contaminants of concern identified for the site is listed below. Contaminant selection will be based on field observations.

Media	Analysis
Soil Suite (20 samples)	<ul style="list-style-type: none"> <li>• Total Petroleum Hydrocarbons Criteria Working Group (TPH CWG) by GC-FID</li> <li>• Volatile Organic Compounds by GC-MS</li> <li>• Polyaromatic Hydrocarbons (PAH) by GC-MS</li> <li>• Phenols by GC-MS</li> <li>• Phthalates by GC-MS</li> <li>• Metals, As, Ba, Be Cd, Cr (III/VI), Cu, Hg, Na, Ni, Pb, Se, V Zn</li> <li>• Asbestos</li> <li>• Alcohols acetates, acetone, MEK</li> <li>• Sulphate/Sulphide</li> <li>• Cyanide (total and free)</li> <li>• pH</li> <li>• Polychlorinated biphenyls</li> <li>• Total organic carbon</li> <li>• BRE Sulphate suite</li> <li>• Resistivity</li> <li>• Redox Potential</li> </ul>
Groundwater (10 samples)	<ul style="list-style-type: none"> <li>• Total Petroleum Hydrocarbons Criteria Working Group (TPH CWG) by GC-FID</li> <li>• Volatile Organic Compounds by GC-MS</li> <li>• Polyaromatic Hydrocarbons (PAH) by GC-MS</li> <li>• Phenols by GC-MS</li> <li>• Phthalates by GC-MS</li> <li>• Metals, As, Ba, Be Cd, Cr (III/VI), Cu, Hg, Na, Ni, Pb, Se, V Zn</li> <li>• Alcohols, acetates, acetone, MEK</li> <li>• Ammoniacal Nitrogen</li> <li>• Surfactants</li> <li>• Sulphate/Sulphide/sulphur</li> <li>• Chloride</li> <li>• Cyanide (total and free)</li> <li>• pH</li> </ul>

Phase 1 Geo-Environmental Desk Study  
Crumps Yard, Connah's Quay

- BRE Sulphate suite

The scope of geotechnical testing will be dependant on the type of materials encountered, but is likely to include:

Media	Analysis
Soil	<ul style="list-style-type: none"><li>• Water Content,</li><li>• Particle Size Distribution,</li><li>• Atterberg Limits,</li><li>• Recompacted CBR,</li><li>• Triaxial Strength</li></ul>



KEY	
<span style="border: 1px solid red; display: inline-block; width: 15px; height: 10px;"></span>	SITE BOUNDARY
<span style="border: 1px solid orange; display: inline-block; width: 15px; height: 10px;"></span>	INDICATIVE AREAS OF ELECTRICAL INFRASTRUCTURE
<span style="border: 1px solid blue; display: inline-block; width: 15px; height: 10px;"></span>	INDICATIVE AREAS OF SOLAR PANELS
<span style="color: cyan;">●</span>	MANHOLE COVER IDENTIFIED

NOTES

REV	DATE	COMMENT	CAD

TITLE:	SITE LAYOUT PLAN		
SITE:	CRUMPS YARD		
CLIENT:	FLINTSHIRE COUNTY COUNCIL		
PROJECT:	10018372	FIGURE 2	
DATE:	13/03/18	DRAWN:	JC
DRG.No.:	1001837203-CAD	REV:	-
		PRINT:	A3



Phase 1 Geo-Environmental Desk Study  
Crumps Yard, Connah's Quay

## APPENDIX A

### **Arcadis Study Limitations**

**IMPORTANT.** This appendix should be read before reliance is placed on any of the information, opinions, advice, recommendations or conclusions contained in this report.

1 This report has been by Arcadis (UK) Limited ('Arcadis'), with all reasonable skill, care and diligence within the terms of the Appointment and with the resources and manpower agreed with Flintshire County Council (the 'Client'). Arcadis does not accept responsibility for any matters outside the agreed scope.

2 This report has been prepared for the sole benefit of the Client unless agreed otherwise in writing. otherwise in writing. The contents of this report may not be used or relied upon by any person other than this party without the express written consent and authorisation of Arcadis.

3 Unless stated otherwise, no consultations with authorities or funders or other interested third parties have been carried out. Arcadis is unable to give categorical assurance that the findings will be accepted by these third parties as such bodies may have unpublished, more stringent objectives. Further work may be required by these parties.

4 All work carried out in preparing this report has used, and is based on, Arcadis' professional knowledge and understanding of current relevant legislation. Changes in legislation or regulatory guidance may cause the opinion or advice contained in this report to become inappropriate or incorrect. In giving opinions and advice, pending changes in legislation, of which Arcadis is aware, have been considered. Following delivery of the report, Arcadis has no obligation to advise the Client or any other party of such changes or their repercussions.

5 This report is only valid when used in its entirety. Any information or advice included in the report should not be relied upon until considered in the context of the whole report.

6 Whilst this report and the opinions made are correct to the best of Arcadis' belief, Arcadis cannot guarantee the accuracy or completeness of any information provided by third parties. provided by third parties. Arcadis has taken reasonable steps to ensure that the information sources used for this assessment provided accurate information, and has therefore assumed this to be the case.

7 This report has been prepared based on the information reasonably available during the project programme. All information relevant to the scope may not have been received.

8 This report refers, within the limitations stated, to the condition of the Site at the time of the inspection. No warranty is given as to the possibility of changes in the condition of the Site since the time of the investigation.

9 The content of this report represents the professional opinion of experienced environmental consultants. Arcadis does not provide specialist legal or other professional advice. The advice of other professionals may be required.

10 Where intrusive investigation techniques have been employed they have been designed to provide a reasonable level of assurance on the conditions. Given the discrete nature of sampling, no investigation technique is capable of identifying all conditions present in all areas. In some cases the investigation is further limited by Site operations, underground obstructions and above ground structures. Unless otherwise stated, areas beyond the boundary of the Site have not been investigated.

11 If below ground intrusive investigations have been conducted as part of the scope, safe location of exploratory holes has been carried out with reference to the Arcadis ground disturbances procedure. No guarantee can be given that all services have been identified. Additional services, structures or other below ground obstructions, not indicated on the drawing, may be present on Site.

12 Unless otherwise stated the report provides no comment on the nature of building materials, operational integrity of the facility or on any regulatory compliance issues.

13 Unless otherwise stated, an inspection of the Site has not been undertaken and there may be conditions present at the Site which have not been identified within the scope of this assessment.

14 Unless otherwise stated, samples from the Site (soil, groundwater, building fabric or other samples) have not been obtained.

15 Arcadis has relied upon the accuracy of documents, oral information and other material and information provided by the Client and others, and Arcadis assumes no liability for the accuracy of such data, although in the event of apparent conflicts in information, Arcadis would highlight this and seek to resolve.


16 Unless otherwise stated, the scope of works has not included an environmental compliance review, health and safety compliance review, hazardous building materials assessment, interviews or contacting Local Authority, requests for information to the petroleum officer, sampling or analyses of soil, ground water, surface water, air or hazardous building materials or a chain of title review.

17 Unless otherwise stated, this assessment has considered the ongoing use of the Site and has not been prepared for the purposes of redevelopment which may act as a trigger for Site investigation and remediation works not needed for ongoing use.

Phase 1 Geo-Environmental Desk Study  
Crumps Yard, Connah's Quay

## APPENDIX B

### Photographic Log


<b>CLIENT:</b>	Flintshire County Council	<b>DATE:</b>	22/02/2018	 <b>ARCADIS</b> <small>Design &amp; Consultancy for natural and built assets</small>
<b>REFERENCE:</b>	10018372	<b>SITE NAME:</b>	Crumps Yard	

**PLATE 1** – View east showing the area of hardstanding in the north east of the site.



**PLATE 2** – View south into the centre of the site




<b>CLIENT:</b>	Flintshire County Council	<b>DATE:</b>	22/02/2018	 <b>ARCADIS</b>	<small>Design &amp; Consultancy for natural and built assets</small>
<b>REFERENCE:</b>	10018372	<b>SITE NAME:</b>	Crumps Yard		

**PLATE 3** – View of concrete hardstanding in the centre of the site showing potential infilled inspection pits. Mature trees visible in the background.



**PLATE 4** – Manhole chamber in the south of the site.




<b>CLIENT:</b>	Flintshire County Council	<b>DATE:</b>	22/02/2018	 <b>ARCADIS</b> <small>Design &amp; Consultancy for natural and built assets</small>
<b>REFERENCE:</b>	10018372	<b>SITE NAME:</b>	Crumps Yard	

**PLATE 5** – View of waste tanks and IBC in the north west of the site.



**PLATE 6** – View of mound of demolition rubble in the north east of the site.



<b>CLIENT:</b>	Flintshire County Council	<b>DATE:</b>	22/02/2018	 <b>ARCADIS</b> <small>Design &amp; Consultancy for natural and built assets</small>
<b>REFERENCE:</b>	10018372	<b>SITE NAME:</b>	Crumps Yard	

**PLATE 7** – A view west from the south east corner of the site showing the trees bordering the railway on the far left.



**PLATE 8** – A view west from the hardstanding in the north east of the site.



Phase 1 Geo-Environmental Desk Study  
Crumps Yard, Connah's Quay

## APPENDIX C

### **British Geological Survey (BGS) Borehole Records**



**British Geological Survey**  
NATURAL ENVIRONMENT RESEARCH COUNCIL

BGS ID: 148161 : BGS Reference: SJ26NE1183  
British National Grid (27700) : 329490,369770

[Report an issue with this borehole](#)

<< < Prev Page 1 of 1 Next > >>

SJ26NE/1183 2949 6977

**B CO (UK) LTD**  
WIGAN 214318  
Ground Level .....  
Ground Water Level .....  
Depth of Borehole ..... 5.00 ..... Dia. ~

**LOG for Borehole No. B**  
Location CORNAHS QUAY CLWYD  
Date 27/4/77 Type S&A  
Client ALYN AND DEESIDE COUNCIL  
Report Number 512/5/77

Ground Strata	Legend	Depth (Metre)	Reduced Level	Samples			SPT RQD	Comments
				Ref No	Type	Depth		
ASH AND SLAG FILL	[Cross-hatch pattern]	0.35	5.841 A.o.D.					
CLAY SAND AND STONE FILL	[Cross-hatch pattern]	1.70			SPT-D	1.00	N=14	
FIRM BROWN AND GREY SILTY CLAY	[X-Y pattern]	3.90			SPT-D	2.50	N=6	
FINE BROWN SAND	[Dotted pattern]	4.50			SPT-D	4.00	N=15	4.50 W.E.
		5.00		END OF BOREHOLE				

SAMPLES: Large Disturbed - D, Small Disturbed - J, Undisturbed - U too etc., Water - J (W)

Date		Scale	Job No.	Location	Borehole		
JUNE-JULY 1982		1:100	2206	CONNAH'S QUAY DOCK, DEESIDE	7		
Method			Client				
SHELL AND AUGER			ALYN & DEESIDE DISTRICT COUNCIL				
Drilling & Casing Progress	Water Notes & Levels	Sample Type & Depth	S.P.T. 'N' value or Cohesion*	Description	O.D. Level	Legend	Depth
30th				Ash, very large boulders and chain link fence, FILL	+6.1		0.0
		X 1.6 - 2.1	21	Medium dense, ash, boulders, sand FILL	+1.9		1.5
		X 2.6 - 3.1	7	Loose, brown, fine-medium sand FILL	+3.9		2.5
		D 4.0 - 4.4	8	Loose to very loose, very sandy, fine gravelly, clay with ash and organic trace, FILL	+2.9		3.5
	Large 5.0m	X 5.2 - 5.7	3		+0.8		5.6
		D 6.5 - 7.0	18	Medium dense, slightly fine sandy SILT, with fine coarse, sandstone GRAVEL			
		X 8.0 - 8.5	19				
		X 9.3 - 9.8	53	Grey, silty SAND and medium to coarse GRAVEL, with large BOULDERS	+3.1		9.5
30th	8.0 rising)	X 11.0 - 11.3 (sand blowing)	57 for 150mm.		-4.6		11.0
1st	4.0			Grey, silty, fine-medium, SAND			
		X 14.5 - 14.8 (sand blowing)	87 for 100mm.				
		D 15.8					
		D 18.0 - 18.9	42	Dense, grey, slightly clayey, fine-med. SAND, fine-cs. GRAVEL	-11.6		18.0
		U 19.4 - 19.9	92.0		-12.6		19.0
		U 20.2 - 20.7	110.3	Stiff, brown, sandy, silty, BOULDER CLAY, becoming hard with depth			
1st	8.4	U 21.0 - 21.5	156.6		-15.1		21.5
2nd	5.0	D 21.8 - 21.7	100 for 125mm.	Grey, fine sandy SILTSTONE	-15.4		21.8
2nd	4.0						

Bore depth      U Undisturbed sample      X Standard penetration test  
 Cased depth      D Disturbed sample      W Water sample  
 Cohesion in kN/m<sup>2</sup>.      0 is zero unless given in brackets

Phase 1 Geo-Environmental Desk Study  
Crumps Yard, Connah's Quay

## APPENDIX D

### **Site-Specific Envirocheck Report**

## Envirocheck<sup>®</sup> Report:

### Datasheet

#### Order Details:

**Order Number:**

156897968\_1\_1

**Customer Reference:**

10018372

**National Grid Reference:**

329710, 369690

**Slice:**

A

**Site Area (Ha):**

3.01

**Search Buffer (m):**

1000

#### Site Details:

Site at 329750, 369710

#### Client Details:

Mr J Melrose  
Arcadis LLP  
Baskerville House  
Centenary Square  
Birmingham  
West Midlands  
B1 2ND

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	51
Hazardous Substances	61
Geological	62
Industrial Land Use	70
Sensitive Land Use	88
Data Currency	89
Data Suppliers	95
Useful Contacts	96

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

## Copyright Notice

© Landmark Information Group Limited 2018. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, the Environment Agency/Natural Resources Wales and Natural England, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer. A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and/or other Data providers, whose Copyright material has been included in this Report.

## Natural England Copyright Notice

Site of Special Scientific Interest, National Nature Reserve, Ramsar, Special Protection Area, Special Conservation Area, Marine Nature Reserve data (derived from Ordnance Survey 1:10000 raster) is provided by, and used with the permission of, Natural England who retain the copyright and Intellectual Property Rights for the data.

## Scottish Natural Heritage Copyright

Contains SNH information licensed under the Open Government Licence v3.0.

## Ove Arup Copyright Notice

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact [mining.review@arup.com](mailto:mining.review@arup.com)). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

## Peter Brett Associates Copyright Notice

The cavity data presented has been extracted from the PBA enhanced version of the original DEFRA national cavity databases. PBA/DEFRA retain the copyright & intellectual property rights in the data. Whilst all reasonable efforts are made to check that the information contained in the cavity databases is accurate we do not warrant that the data is complete or error free. The information is based upon our own researches and those collated from a number of external sources and is continually being augmented and updated by PBA. In no event shall PBA/DEFRA or Landmark be liable for any loss or damage including, without limitation, indirect or consequential loss or damage arising from the use of this data.

## Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England.

## Natural Resources Wales Copyright Notice

Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Contains Ordnance Survey Data. Ordnance Survey Licence number 100019741. Crown Copyright and Database Right. Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Some features of this information are based on digital spatial data licensed from the Centre for Ecology & Hydrology © NERC (CEH). Defra, Met Office and DARD Rivers Agency © Crown copyright. © Cranfield University. © James Hutton Institute. Contains OS data © Crown copyright and database right 2018. Land & Property Services © Crown copyright and database right.

## 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	pg 4				1
Discharge Consents	pg 4		14	17	28
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control	pg 18				12
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 22	1		1	3
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 23		Yes		
Pollution Incidents to Controlled Waters	pg 23		7	3	21
Prosecutions Relating to Authorised Processes	pg 28		2		
Registered Radioactive Substances					
River Quality	pg 29				1
River Quality Biology Sampling Points					
Substantiated Pollution Incident Register	pg 30			1	2
River Quality Chemistry Sampling Points	pg 29				1
Water Abstractions	pg 30				(*11)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 33	Yes	n/a	n/a	n/a
Drift Deposits			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 33	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 33	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 33	Yes	Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 38	Yes	Yes	n/a	n/a
Areas Benefiting from Flood Defences	pg 38	Yes		n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences	pg 38		Yes	n/a	n/a
OS Water Network Lines	pg 38		6	46	54

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	pg 51		1	1	
Historical Landfill Sites	pg 51	1	3	2	2
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)	pg 53				2
Licensed Waste Management Facilities (Locations)	pg 53		4	1	
Local Authority Landfill Coverage	pg 54	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 54		2	2	2
Potentially Infilled Land (Non-Water)	pg 55		2	3	
Potentially Infilled Land (Water)	pg 55		7	10	38
Registered Landfill Sites	pg 58				1
Registered Waste Transfer Sites	pg 59			1	
Registered Waste Treatment or Disposal Sites	pg 59		2	1	
<b>Hazardous Substances</b>					
Control of Major Accident Hazards Sites (COMAH)	pg 61				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			n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 62	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 67		1	1	1
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 67	Yes	n/a	n/a	n/a
Mining Instability	pg 67	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 67	Yes	Yes	n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 68		Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 68	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 68	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 68	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 68	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 69	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 69	Yes	n/a	n/a	n/a
<b>Industrial Land Use</b>					
Contemporary Trade Directory Entries	pg 70	4	35	21	35
Fuel Station Entries	pg 78				3
Points of Interest - Commercial Services	pg 78		12	10	13
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 81	1	3	33	13
Points of Interest - Public Infrastructure	pg 86			1	9
Points of Interest - Recreational and Environmental	pg 86		2	3	5
Gas Pipelines					
Underground Electrical Cables					

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 88				1
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	pg 88		1		
Sites of Special Scientific Interest	pg 88		2		1
Special Areas of Conservation	pg 88		2		
Special Protection Areas	pg 88		1		
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (W)	0	1	329706 369693
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	0	1	329700 369750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	7	1	329650 369650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (W)	18	1	329550 369693
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	22	1	329706 369550
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	24	1	329700 369600
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (SW)	50	1	329650 369600
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	51	1	329900 369750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (S)	67	1	329700 369550
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (S)	72	1	329750 369500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	73	1	329850 369800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	73	1	329800 369500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (S)	85	1	329650 369550
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	95	1	329900 369800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	100	1	329500 369850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	109	1	329550 369850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (S)	122	1	329800 369450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	133	1	330000 369700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (E)	134	1	330000 369693
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	139	1	330000 369750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	172	1	329800 369400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	172	1	329706 369400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (SE)	181	1	329850 369400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	206	1	329400 369900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (NW)	211	1	329350 369850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	227	1	329706 369350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (W)	228	1	329300 369693
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (SE)	236	1	330000 369450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (NW)	241	1	329350 369900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	265	1	329706 370050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	266	1	330000 369400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	272	1	329800 369300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (W)	278	1	329250 369750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12NE (W)	278	1	329250 369700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A14NW (NE)	301	1	330050 369950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (SE)	305	1	330050 369400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (NW)	312	1	329300 369950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	318	1	330000 370000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (W)	334	1	329200 369800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (NE)	334	1	330100 369950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NE (SE)	340	1	330000 369300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	342	1	329850 370100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (SE)	375	1	330100 369350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	376	1	329850 369200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (W)	378	1	329150 369750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12NE (W)	380	1	329150 369693
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (NW)	382	1	329250 370000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A14NW (NE)	383	1	330200 369900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (W)	383	1	329150 369800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (SW)	399	1	329250 369450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	399	1	329650 369200
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (SW)	406	1	329300 369400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	420	1	329600 369200
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (W)	421	1	329150 369550
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	423	1	329800 370200
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (NE)	431	1	329950 370150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A9NW (SE)	445	1	330150 369300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A17SE (NW)	453	1	329200 370050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A14SW (E)	462	1	330300 369550
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	465	1	329706 370250
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	469	1	329650 370250
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	472	1	329800 369100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A14SW (SE)	481	1	330250 369400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A9NW (SE)	485	1	330200 369300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A17SE (NW)	491	1	329150 370050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A19SW (NE)	497	1	330100 370150

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<b>Contaminated Land Register Entries and Notices</b> Location: Wirral View, Connah'S Quay, Flintshire Notice Type: Environmental Protection Act (1990) Section 78E(1) Remediation Notice Reference: Not Supplied Dated: 1st July 2004 Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A7NW (SW)	935	2	328925 369022
2	<b>Discharge Consents</b> Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Connah'S Quay Cestrian Street Authority: Natural Resources Wales Catchment Area: River Dee Reference: CM0086801 Permit Version: 1 Effective Date: 26th October 1979 Issued Date: 26th October 1979 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Un-Named Watercourse Flowing T <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b> Positional Accuracy: Located by supplier to within 100m	A13SE (S)	30	3	329740 369570
3	<b>Discharge Consents</b> Operator: Alyn & Deeside District Council Property Type: Undefined Or Other Location: Dock Road Ind Estate Authority: Natural Resources Wales Catchment Area: River Dee Reference: Cm0075001 Permit Version: 1 Effective Date: 26th April 1973 Issued Date: 26th April 1973 Revocation Date: 5th April 1995 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Dee (Tidal) <b>Status: Consent expired</b> Positional Accuracy: Located by supplier to within 10m	A13NE (N)	86	3	329730 369870
4	<b>Discharge Consents</b> Operator: Flintshire County Council Property Type: Sewerage Network - Pumping Station - Water Company Location: Dock Road Ps No 3 Dock Road Connah, Dock Road Connah'S Quay Authority: Natural Resources Wales Catchment Area: Not Given Reference: CG0344101 Permit Version: 1 Effective Date: 29th September 1993 Issued Date: 29th September 1993 Revocation Date: Not Supplied Discharge Type: Storm sewage overflow discharge Discharge: Saline Estuary Environment: Receiving Water: Dee Estuary <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b> Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	108	3	329470 369830
5	<b>Discharge Consents</b> Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Connahs Quay Cestrian Street - Authority: Natural Resources Wales Catchment Area: River Dee Reference: Cm0196801 Permit Version: 1 Effective Date: 20th October 1989 Issued Date: 20th October 1989 Revocation Date: 4th March 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Dee <b>Status: Consent expired</b> Positional Accuracy: Located by supplier to within 100m	A13SE (S)	110	3	329700 369500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	<p><b>Discharge Consents</b></p> <p>Operator: Alyn &amp; Deeside District Council  Property Type: Undefined Or Other  Location: Connahs Quay No 1 Dock Dock Road  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: Cm0085501  Permit Version: 1  Effective Date: 30th April 1979  Issued Date: 30th April 1979  Revocation Date: 5th April 1995  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Dee Outfall Into Culverted Wat  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A13NW (W)	116	3	329420 369780
7	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Pumping Station - Water Company  Location: Connahs Quay Dock Road Ps  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: Cm0164901  Permit Version: 2  Effective Date: 8th September 2010  Issued Date: 8th September 2010  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Pumping Station - Water Company  Discharge: Saline Estuary  Environment:  Receiving Water: Dee  <b>Status: Varied under EPR 2010</b>  Positional Accuracy: Located by supplier to within 100m</p>	A13NW (W)	133	3	329400 369700
7	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Pumping Station - Water Company  Location: Connahs Quay Dock Road Ps  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: CM0164901  Permit Version: 1  Effective Date: 19th October 1989  Issued Date: 19th October 1989  Revocation Date: 7th September 2010  Discharge Type: Sewage Discharges - Pumping Station - Water Company  Discharge: Saline Estuary  Environment:  Receiving Water: Dee  <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A13NW (W)	133	3	329400 369700
8	<p><b>Discharge Consents</b></p> <p>Operator: Flintshire County Council  Property Type: Sewerage Network - Pumping Station - Water Company  Location: Dock Road Ps No 2 Dock Road Connaah, Dock Road Connaah'S Quay  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: CG0338201  Permit Version: 1  Effective Date: 1st March 1993  Issued Date: 1st March 1993  Revocation Date: Not Supplied  Discharge Type: Storm sewage overflow discharge  Discharge: Saline Estuary  Environment:  Receiving Water: Dee Estuary  <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A13NE (NE)	140	3	329880 369860

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	<p><b>Discharge Consents</b></p> <p>Operator: Alyn &amp; Deeside District Council  Property Type: Undefined Or Other  Location: Dock Road Ind Estate  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: Cm0075002  Permit Version: 1  Effective Date: 26th April 1973  Issued Date: 26th April 1973  Revocation Date: 5th April 1995  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Dee (Tidal)  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A13NE (NE)	149	3	329900 369860
9	<p><b>Discharge Consents</b></p> <p>Operator: Alyn &amp; Deeside District Council  Property Type: Undefined Or Other  Location: Connahs Quay The Docks Light Indust, The Docks Light Industrial Estat, Light Industrial Estate  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: Cm0057403  Permit Version: 1  Effective Date: 17th June 1969  Issued Date: 17th June 1969  Revocation Date: 5th April 1995  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Dee (Tidal)  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A13NW (NW)	158	3	329480 369890
10	<p><b>Discharge Consents</b></p> <p>Operator: Alyn &amp; Deeside District Council  Property Type: Undefined Or Other  Location: Connahs Quay The Docks Light Indust, The Docks Light Industrial Estat, Light Industrial Estate  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: Cm0057402  Permit Version: 1  Effective Date: 17th June 1969  Issued Date: 17th June 1969  Revocation Date: 5th April 1995  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Dee (Tidal)  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A13NW (NW)	180	3	329430 369890
10	<p><b>Discharge Consents</b></p> <p>Operator: Alyn &amp; Deeside District Council  Property Type: Undefined Or Other  Location: Connahs Quay The Dock Light Industr, The Dock Light Industrial Estate  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: Cm0057401  Permit Version: 1  Effective Date: 17th June 1969  Issued Date: 17th June 1969  Revocation Date: 5th April 1995  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Dee (Tidal)  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A13NW (NW)	191	3	329400 369880

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Connahs Quay Dodds Drive - Sso  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: Cm0165401  Permit Version: 2  Effective Date: 8th September 2010  Issued Date: 8th September 2010  Revocation Date: Not Supplied  Discharge Type: Public Sewage: Storm Sewage Overflow  Discharge: Saline Estuary  Environment:  Receiving Water: Dee  <b>Status: Varied under EPR 2010</b>  Positional Accuracy: Located by supplier to within 100m</p>	A13SW (S)	247	3	329600 369400
11	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Connahs Quay Dodds Drive - Sso  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: CM0165401  Permit Version: 1  Effective Date: 20th October 1989  Issued Date: 20th October 1989  Revocation Date: 7th September 2010  Discharge Type: Public Sewage: Storm Sewage Overflow  Discharge: Saline Estuary  Environment:  Receiving Water: Dee  <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A13SW (S)	247	3	329600 369400
12	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Deeside Naval Club No 3  Authority: Natural Resources Wales  Catchment Area: Not Given  Reference: CG0358601  Permit Version: 1  Effective Date: 21st July 1994  Issued Date: 21st July 1994  Revocation Date: Not Supplied  Discharge Type: Public Sewage: Storm Sewage Overflow  Discharge: Freshwater Stream/River  Environment:  Receiving Water: River Dee  <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A12SE (SW)	300	3	329320 369520
12	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Connahs Quay Deeside Naval Clu Cso  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: Cm0165301  Permit Version: 2  Effective Date: 8th September 2010  Issued Date: 8th September 2010  Revocation Date: Not Supplied  Discharge Type: Public Sewage: Storm Sewage Overflow  Discharge: Saline Estuary  Environment:  Receiving Water: Dee  <b>Status: Varied under EPR 2010</b>  Positional Accuracy: Located by supplier to within 100m</p>	A12SE (SW)	328	3	329300 369500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Connahs Quay Deeside Naval Clu Cso  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: CM0165301  Permit Version: 1  Effective Date: 20th October 1989  Issued Date: 20th October 1989  Revocation Date: 7th September 2010  Discharge Type: Public Sewage: Storm Sewage Overflow  Discharge: Saline Estuary  Environment:  Receiving Water: Dee  <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A12SE (SW)	328	3	329300 369500
13	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Connahs Quay Dock Road Ind Est  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: Cm0164801  Permit Version: 1  Effective Date: 20th October 1989  Issued Date: 20th October 1989  Revocation Date: 4th March 1994  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Dee  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 100m</p>	A14SW (SE)	347	3	330100 369400
14	<p><b>Discharge Consents</b></p> <p>Operator: Alyn &amp; Deeside District Council  Property Type: Undefined Or Other  Location: Connahs Quay Industrial Estate Acce, Industrial Estate Access Road  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: Cm0095901  Permit Version: 1  Effective Date: 13th April 1983  Issued Date: 13th April 1983  Revocation Date: 5th April 1995  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Wepre Brook  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14SW (SE)	459	3	330240 369430
14	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewage Disposal Works - Water Company  Location: Connahs Quay Stw, Flintshire, Wales  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: Cm0037001  Permit Version: 6  Effective Date: 7th November 2013  Issued Date: 7th November 2013  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company  Discharge: Saline Estuary  Environment:  Receiving Water: Wepre Brook  <b>Status: Varied under EPR 2010</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14SW (SE)	481	3	330240 369380

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewage Disposal Works - Water Company  Location: Connahs Quay Stw, Flintshire, Wales  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: Cm0037001  Permit Version: 5  Effective Date: 31st March 2010  Issued Date: 31st March 2010  Revocation Date: 6th November 2013  Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company  Discharge: Saline Estuary  Environment:  Receiving Water: Wepre Brook  <b>Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14SW (SE)	481	3	330240 369380
14	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewage Disposal Works - Water Company  Location: Connahs Quay Stw, Flintshire, Wales  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: Cm0037001  Permit Version: 4  Effective Date: 1st January 2010  Issued Date: 24th September 2009  Revocation Date: 30th March 2010  Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company  Discharge: Saline Estuary  Environment:  Receiving Water: Wepre Brook  <b>Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14SW (SE)	481	3	330240 369380
14	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewage Disposal Works - Water Company  Location: Connahs Quay Stw, Flintshire, Wales  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: Cm0037001  Permit Version: 3  Effective Date: 31st December 2005  Issued Date: 31st December 2005  Revocation Date: 31st December 2009  Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company  Discharge: Saline Estuary  Environment:  Receiving Water: Wepre Brook  <b>Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14SW (SE)	481	3	330240 369380
14	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewage Disposal Works - Water Company  Location: Connahs Quay Stw, Flintshire, Wales  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: Cm0037001  Permit Version: 2  Effective Date: 30th November 2000  Issued Date: 29th November 2000  Revocation Date: 30th December 2005  Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company  Discharge: Not Supplied  Environment:  Receiving Water: Wepre Brook  <b>Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14SW (SE)	481	3	330240 369380

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewage Disposal Works - Water Company  Location: Connahs Quay Stw, Flintshire, Wales  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: CM0037001  Permit Version: 1  Effective Date: 11th December 1981  Issued Date: 11th December 1981  Revocation Date: 29th November 2000  Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company  Discharge: Not Supplied  Environment:  Receiving Water: Wepre Brook  <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A14SW (SE)	481	3	330240 369380
15	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Pumping Station - Water Company  Location: Connahs Quay Low Level Sps Storm  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: Cm0164501  Permit Version: 2  Effective Date: 8th September 2010  Issued Date: 8th September 2010  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Pumping Station - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Wepre Brook  <b>Status: Varied under EPR 2010</b>  Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	480	3	330100 369200
15	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Pumping Station - Water Company  Location: Connahs Quay Low Level Sps Storm  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: Cm0164601  Permit Version: 4  Effective Date: 21st November 2007  Issued Date: 21st November 2007  Revocation Date: 30th March 2008  Discharge Type: Sewage Discharges - Pumping Station - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Wepre Brook  <b>Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	480	3	330100 369200
15	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Pumping Station - Water Company  Location: Connahs Quay Low Level Sps Storm  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: Cm0164601  Permit Version: 3  Effective Date: 14th September 2006  Issued Date: 14th September 2006  Revocation Date: 13th February 2008  Discharge Type: Sewage Discharges - Pumping Station - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Wepre Brook  <b>Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	480	3	330100 369200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Pumping Station - Water Company  Location: Connahs Quay Low Level Sps Storm  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: Cm0164601  Permit Version: 2  Effective Date: 31st March 2010  Issued Date: 8th March 2005  Revocation Date: 13th September 2006  Discharge Type: Sewage Discharges - Pumping Station - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Wepre Brook  <b>Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	480	3	330100 369200
15	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Pumping Station - Water Company  Location: Connahs Quay Low Level Sps Storm  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: CM0164601  Permit Version: 1  Effective Date: 19th October 1989  Issued Date: 19th October 1989  Revocation Date: 31st March 2010  Discharge Type: Sewage Discharges - Pumping Station - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Wepre Brook  <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	480	3	330100 369200
15	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Pumping Station - Water Company  Location: Connahs Quay Low Level Sps Storm  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: CM0164501  Permit Version: 1  Effective Date: 19th October 1989  Issued Date: 19th October 1989  Revocation Date: 7th September 2010  Discharge Type: Sewage Discharges - Pumping Station - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Wepre Brook  <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	480	3	330100 369200
16	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Pumping Station - Water Company  Location: Connahs Quay Low Level Sps Storm  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: Cm0164601  Permit Version: 5  Effective Date: 31st March 2008  Issued Date: 31st March 2008  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Pumping Station - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Wepre Brook  <b>Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A9NW (SE)	513	3	330205 369260

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Pumping Station - Water Company  Location: Shotton Ps Shotton Chester, Shotton  Authority: Natural Resources Wales  Catchment Area: Not Given  Reference: CM0117701  Permit Version: 1  Effective Date: 8th February 1969  Issued Date: 8th February 1969  Revocation Date: Not Supplied  Discharge Type: Sewerage Discharges - Pumping Station - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Wepre Brook  <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	556	3	330120 369120
18	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Connahs Quay Dee Road - Sso  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: Cm0165501  Permit Version: 1  Effective Date: 20th October 1989  Issued Date: 20th October 1989  Revocation Date: 4th March 1994  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Dee  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 100m</p>	A8SE (S)	679	3	329700 368900
19	<p><b>Discharge Consents</b></p> <p>Operator: Lloyd'S Bank Plc  Property Type: Business Services  Location: Lloyds Bank 89 Chester Rd Shotton, Lloyds Bank Plc, 89 Chester Road West., Shotton  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: Cm0030901  Permit Version: 1  Effective Date: 25th October 1965  Issued Date: 25th October 1965  Revocation Date: 26th February 1993  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Wepre Brook  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A9NW (SE)	746	3	330320 369040
19	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Brook Road Sso Shotton  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: Cm0164001  Permit Version: 1  Effective Date: 20th October 1989  Issued Date: 20th October 1989  Revocation Date: 4th March 1994  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Wepre Brook  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 100m</p>	A9SW (SE)	762	3	330300 369000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Pumping Station - Water Company  Location: Wepre Ps  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: CM0183602  Permit Version: 1  Effective Date: 23rd November 1990  Issued Date: 23rd November 1990  Revocation Date: 26th September 2007  Discharge Type: Sewage Discharges - Pumping Station - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Wepre Brook  <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 10m</p>	A9NE (SE)	761	3	330410 369120
20	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Pumping Station - Water Company  Location: Wepre Ps  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: CM0183601  Permit Version: 1  Effective Date: 21st November 1990  Issued Date: 21st November 1990  Revocation Date: 26th September 2007  Discharge Type: Sewage Discharges - Pumping Station - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Wepre Brook  <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>	A9NE (SE)	761	3	330410 369120
20	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Pumping Station - Water Company  Location: Connahs Quay Wepre Ps Storm, Flintshire, North Wales  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: Cm0165701  Permit Version: 4  Effective Date: 24th October 2007  Issued Date: 24th October 2007  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Pumping Station - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Wepre Brook  <b>Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A9NE (SE)	765	3	330400 369100
20	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Pumping Station - Water Company  Location: Connahs Quay Wepre Ps Storm, Flintshire, North Wales  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: Cm0165701  Permit Version: 3  Effective Date: 14th September 2006  Issued Date: 14th September 2006  Revocation Date: 26th October 2007  Discharge Type: Sewage Discharges - Pumping Station - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Wepre Brook  <b>Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A9NE (SE)	765	3	330400 369100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Pumping Station - Water Company  Location: Connahs Quay Wepre Ps Storm, Flintshire, North Wales  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: Cm0165701  Permit Version: 2  Effective Date: 31st March 2010  Issued Date: 21st January 2005  Revocation Date: 13th September 2006  Discharge Type: Sewage Discharges - Pumping Station - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Wepre Brook  <b>Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A9NE (SE)	765	3	330400 369100
20	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Pumping Station - Water Company  Location: Connahs Quay Wepre Ps Storm, Flintshire, North Wales  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: CM0165701  Permit Version: 1  Effective Date: 19th October 1989  Issued Date: 19th October 1989  Revocation Date: 30th March 2010  Discharge Type: Sewage Discharges - Pumping Station - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Wepre Brook  <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A9NE (SE)	765	3	330400 369100
21	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Connahs Quay Linden Avenue - Sso, Connahs Quay Linden Avenue - Ss0  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: Cm0164401  Permit Version: 2  Effective Date: 8th September 2010  Issued Date: 8th September 2010  Revocation Date: Not Supplied  Discharge Type: Public Sewage: Storm Sewage Overflow  Discharge: Saline Estuary  Environment:  Receiving Water: Dee  <b>Status: Varied under EPR 2010</b>  Positional Accuracy: Located by supplier to within 100m</p>	A12SW (W)	765	3	328800 369500
21	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Connahs Quay Linden Avenue - Sso, Connahs Quay Linden Avenue - Ss0  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: CM0164401  Permit Version: 1  Effective Date: 20th October 1989  Issued Date: 20th October 1989  Revocation Date: 7th September 2010  Discharge Type: Public Sewage: Storm Sewage Overflow  Discharge: Saline Estuary  Environment:  Receiving Water: Dee  <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A12SW (W)	765	3	328800 369500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	<p><b>Discharge Consents</b></p> <p>Operator: Cambrian Aquatics Limited  Property Type: Recreational &amp; Cultural  Location: Connahs Quay Swimming Pool, Wepre Drive, Connahs Quay, Deeside, Ch5 4ha  Authority: Natural Resources Wales  Catchment Area: Not Supplied  Reference: Cm0010301  Permit Version: Not Supplied  Effective Date: 17th July 2017  Issued Date: 29th June 2017  Revocation Date: Not Supplied  Discharge Type: Trade And Other Matter Discharge  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Gb111067056880: Wepre Brook  <b>Status: Effective</b>  Positional Accuracy: Located by supplier to within 100m</p>	A9SW (SE)	785	3	330200 368900
22	<p><b>Discharge Consents</b></p> <p>Operator: Mr Jeff Shields  Property Type: Recreational &amp; Cultural  Location: Connahs Quay Swimming Pool  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: CM0010301  Permit Version: 2  Effective Date: 22nd April 1993  Issued Date: 22nd April 1993  Revocation Date: Not Supplied  Discharge Type: Trade Effluent  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Wepre Brook  <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A9SW (SE)	785	3	330200 368900
23	<p><b>Discharge Consents</b></p> <p>Operator: Tony Cox (Dismantlers) Ltd  Property Type: Iron &amp; Steel Industries  Location: British Steel Cooling Tower Test Ri, Cooling Tower Test Rig Shotton, Shotton Works  Authority: Environment Agency, Welsh Region  Catchment Area: River Dee  Reference: Cg0329801  Permit Version: 1  Effective Date: 1st June 1992  Issued Date: 1st June 1992  Revocation Date: 31st December 1992  Discharge Type: Unspecified  Discharge: Freshwater Stream/River  Environment:  Receiving Water: River Dee  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A17NE (NW)	791	4	329180 370450
23	<p><b>Discharge Consents</b></p> <p>Operator: Tony Cox (Dismantlers) Ltd  Property Type: Iron &amp; Steel Industries  Location: British Steel Cooling Tower Test Ri, Cooling Tower Test Rig Shotton, Shotton Works  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: Cg0329801  Permit Version: 1  Effective Date: 1st June 1992  Issued Date: 1st June 1992  Revocation Date: 31st December 1992  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: River Dee  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A17NE (NW)	791	3	329180 370450

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Connahs Quay Englefield Avenue Cso  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: Cm0165101  Permit Version: 2  Effective Date: 8th September 2010  Issued Date: 8th September 2010  Revocation Date: Not Supplied  Discharge Type: Public Sewage: Storm Sewage Overflow  Discharge: Saline Estuary  Environment:  Receiving Water: Dee  <b>Status: Varied under EPR 2010</b>  Positional Accuracy: Located by supplier to within 100m</p>	A7NW (SW)	826	3	328900 369200
24	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Connahs Quay Englefield Avenue Cso  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: CM0165101  Permit Version: 1  Effective Date: 20th October 1989  Issued Date: 20th October 1989  Revocation Date: 7th September 2010  Discharge Type: Public Sewage: Storm Sewage Overflow  Discharge: Saline Estuary  Environment:  Receiving Water: Dee  <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A7NW (SW)	826	3	328900 369200
25	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Connahs Quay Deva Avenue - Sso  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: Cm0164301  Permit Version: 2  Effective Date: 8th September 2010  Issued Date: 8th September 2010  Revocation Date: Not Supplied  Discharge Type: Public Sewage: Storm Sewage Overflow  Discharge: Saline Estuary  Environment:  Receiving Water: Dee  <b>Status: Varied under EPR 2010</b>  Positional Accuracy: Located by supplier to within 100m</p>	A12SW (W)	894	3	328700 369400
25	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Connahs Quay Deva Avenue - Sso  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: CM0164301  Permit Version: 1  Effective Date: 20th October 1989  Issued Date: 20th October 1989  Revocation Date: 7th September 2010  Discharge Type: Public Sewage: Storm Sewage Overflow  Discharge: Saline Estuary  Environment:  Receiving Water: Dee  <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A12SW (W)	894	3	328700 369400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	<p><b>Discharge Consents</b></p> <p>Operator: Alyn &amp; Deeside District Council  Property Type: Undefined Or Other  Location: Connahs Quay Hall Lane  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: Cm0033301  Permit Version: 1  Effective Date: 18th March 1966  Issued Date: 18th March 1966  Revocation Date: 5th April 1995  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Wepre Brook  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SW)	901	3	329280 368830
27	<p><b>Discharge Consents</b></p> <p>Operator: Alyn &amp; Deeside District Council  Property Type: Undefined Or Other  Location: Sports Centre Chester Road West Qu, Chester Road West Queensferry  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: Cm0054101  Permit Version: 1  Effective Date: 20th January 1969  Issued Date: 20th January 1969  Revocation Date: 5th April 1995  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Dee  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	908	3	330700 369350
28	<p><b>Discharge Consents</b></p> <p>Operator: Powergen Plc  Property Type: Production &amp; Distribution Of Electricity  Location: Connah'S Quay Power Station  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: Cm0011301  Permit Version: 1  Effective Date: 9th December 1960  Issued Date: 9th December 1960  Revocation Date: 9th December 1993  Discharge Type: Saline Water - Estuarine Sites - Non Bathing/Shellfish  Discharge: Not Supplied  Environment:  Receiving Water: Dee  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 100m</p>	A17NW (NW)	912	3	328900 370400
29	<p><b>Discharge Consents</b></p> <p>Operator: R S Gardner  Property Type: Domestic Property (Single)  Location: Well House Killins Lane Shotton, Killins Lane, Ch5 1rf  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: CM0025801  Permit Version: 1  Effective Date: 20th November 1964  Issued Date: 20th November 1964  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Wepre Brook  <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A9SW (S)	924	3	330100 368700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	<p><b>Discharge Consents</b></p> <p>Operator: Alyn &amp; Deeside District Council  Property Type: Undefined Or Other  Location: Connahs Quay Goltyn Housing Devmt  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: Cm0046301  Permit Version: 1  Effective Date: 22nd November 1967  Issued Date: 22nd November 1967  Revocation Date: 5th April 1995  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Goltyn Drain  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A11SE (W)	946	3	328600 369550
31	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Connahs Quay Morley Avenue - S  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: Cm0164701  Permit Version: 1  Effective Date: 20th October 1989  Issued Date: 20th October 1989  Revocation Date: 4th March 1994  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Dee  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 100m</p>	A8SW (S)	957	3	329400 368700
32	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Connahs Quay Richmond Road - S  Authority: Natural Resources Wales  Catchment Area: River Dee  Reference: Cm0165001  Permit Version: 1  Effective Date: 20th October 1989  Issued Date: 20th October 1989  Revocation Date: 4th March 1994  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Dee  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 100m</p>	A3NW (S)	992	3	329600 368600
33	<p><b>Integrated Pollution Prevention And Control</b></p> <p>Name: Tata Steel UK Limited  Location: British Steel No. 1 Landfill, Shotton Works, Weighbridge Road,, Deeside Industrial Park, Clwyd, CH5 2NH  Authority: Natural Resources Wales  Permit Reference: NP3930WZ  Original Permit Ref: Gp3030be  Effective Date: 25th September 2014  <b>Status: Effective</b>  Application Type: Variation  App. Sub Type: Minor  Positional Accuracy: Located by supplier to within 10m  Activity Code: 5.2 A(1) (A)  Activity Description: Waste Landfilling; Greater Than 10 T/D With Capacity Greater Than 25,000T Excluding Inert Waste  Primary Activity: Y</p>	A18NE (N)	837	3	329780 370620

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	<p><b>Integrated Pollution Prevention And Control</b></p> <p>Name: Upm-Kymmene Uk Ltd            Location: Shotton Paper Mill Eaepbrt4885itv009, Weighbridge Road, Shotton,,, DEESIDE, Clwyd, CH5 2LL            Authority: Natural Resources Wales            Permit Reference: QP3530FE            Original Permit Ref: Bt4885it            Effective Date: 15th June 2012  <b>Status: Superseded By Variation</b>            Application Type: Variation            App. Sub Type: Minor            Positional Accuracy: Located by supplier to within 10m            Activity Code: 1.1 A(1) (A)            Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw            Primary Activity: Y</p>	A18NE (N)	837	3	329780 370620
33	<p><b>Integrated Pollution Prevention And Control</b></p> <p>Name: Tata Steel Uk Limited            Location: Shotton Works, Shotton Works, Deeside, Flintshire, CH5 2NH            Authority: Natural Resources Wales            Permit Reference: PP3236FD            Original Permit Ref: Br7321ik            Effective Date: 11th November 2011  <b>Status: Effective</b>            Application Type: Variation            App. Sub Type: Standard            Positional Accuracy: Located by supplier to within 10m            Activity Code: 0.0 Associated Process            Activity Description: Associated Process            Primary Activity: N            Activity Code: 1.1 A(1) (A)            Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw            Primary Activity: N            Activity Code: 2.1 A(2) (C)            Activity Description: Ferrous Metals; Applying Protective Fused Metal Coatings to Greater Than 2 tonnes/hour of Steel            Primary Activity: Y            Activity Code: 2.3 A(1) (A)            Activity Description: Surface Treating Metals And Plastics; Electrolytic/Chemical Greater Than 30 Cubic Metres            Primary Activity: N            Activity Code: 6.4 A(2) (A)            Activity Description: Coating, Printing And Textiles; Using Organic Solvents Greater Than 150Kg/Hr Or 200 T/A Unless 6.4 A(1)            Primary Activity: N</p>	A18NE (N)	837	3	329780 370620
33	<p><b>Integrated Pollution Prevention And Control</b></p> <p>Name: Upm-Kymmene Uk Ltd            Location: Deeside Papermill Ea/Epr/Bt4885it/S007, Weighbridge Road, Shotton,,, DEESIDE, Clwyd, CH5 2LL            Authority: Natural Resources Wales            Permit Reference: NP3531KR            Original Permit Ref: Bt4885it            Effective Date: 19th May 2010  <b>Status: Superseded By Variation</b>            Application Type: Surrender            App. Sub Type: Part            Positional Accuracy: Located by supplier to within 10m            Activity Code: 1.1 A(1) (A)            Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw            Primary Activity: Y</p>	A18NE (N)	837	3	329780 370620
33	<p><b>Integrated Pollution Prevention And Control</b></p> <p>Name: Shotton Works Landfill Site No 1            Location: Shotton Works Weighbridge Road, Deeside Industrial Park, Clwyd, CH5 2NH            Authority: Natural Resources Wales            Permit Reference: Gp3030be            Original Permit Ref: Np3930wz            Effective Date: 1st December 2016  <b>Status: Effective</b>            Application Type: Bespoke            App. Sub Type: Not Supplied            Positional Accuracy: Automatically positioned to the address            Activity Code: 5.2 A(1) (A)            Activity Description: Not Supplied            Primary Activity: Y</p>	A18NE (N)	841	3	329785 370623

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	<p><b>Integrated Pollution Prevention And Control</b></p> <p>Name: Tata Steel UK Limited            Location: Shotton Works, Corus Colors, Shotton Works,, DEESIDE, Clwyd, CH5 2NH            Authority: Environment Agency, Welsh Region            Permit Reference: XP3730KG            Original Permit Ref: Br7321ik            Effective Date: 31st July 2009  <b>Status: Superseded By Variation</b>            Application Type: Surrender            App. Sub Type: Part            Positional Accuracy: Automatically positioned to the address            Activity Code: 0.0 Associated Process            Activity Description: Associated Process            Primary Activity: N            Activity Code: 6.4 A(2) (A)            Activity Description: Coating, Printing And Textiles; Using Organic Solvents Greater Than 150Kg/Hr Or 200 T/A Unless 6.4 A(1)            Primary Activity: N            Activity Code: 2.3 A(1) (A)            Activity Description: Surface Treating Metals And Plastics; Electrolytic/Chemical Greater Than 30 Cubic Metres            Primary Activity: N            Activity Code: 2.1 A(2) (C)            Activity Description: Ferrous Metals; Applying Protective Fused Metal Coatings to Greater Than 2 tonnes/hour of Steel            Primary Activity: Y            Activity Code: 1.1 A(1) (A)            Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw            Primary Activity: N</p>	A18NE (N)	841	4	329786 370624
33	<p><b>Integrated Pollution Prevention And Control</b></p> <p>Name: Tata Steel UK Limited            Location: Shotton Works, Corus Colors, Shotton Works,, DEESIDE, Clwyd, CH5 2NH            Authority: Natural Resources Wales            Permit Reference: XP3235GL            Original Permit Ref: Br7321ik            Effective Date: 17th December 2008  <b>Status: Superseded By Variation</b>            Application Type: Variation            App. Sub Type: Simple Standard Variation            Positional Accuracy: Automatically positioned to the address            Activity Code: 2.1 A(2) (C)            Activity Description: Ferrous Metals; Applying Protective Fused Metal Coatings to Greater Than 2 tonnes/hour of Steel            Primary Activity: Y            Activity Code: 1.1 A(1) (A)            Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw            Primary Activity: N            Activity Code: 2.3 A(1) (A)            Activity Description: Surface Treating Metals And Plastics; Electrolytic/Chemical Greater Than 30 Cubic Metres            Primary Activity: N            Activity Code: 6.4 A(2) (A)            Activity Description: Coating, Printing And Textiles; Using Organic Solvents Greater Than 150Kg/Hr Or 200 T/A Unless 6.4 A(1)            Primary Activity: N            Activity Code: 0.0 Associated Process            Activity Description: Associated Process            Primary Activity: N</p>	A18NE (N)	841	3	329786 370624

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	<p><b>Integrated Pollution Prevention And Control</b></p> <p>Name: Tata Steel UK Limited Location: Shotton Works, Weighbridge Road, Deeside Industrial Park, Deeside, Clwyd, CH5 2NH</p> <p>Authority: Natural Resources Wales Permit Reference: QP3838UM Original Permit Ref: Br7321k Effective Date: 4th June 2007</p> <p><b>Status: Superseded By Variation</b></p> <p>Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Automatically positioned to the address Activity Code: 6.4 A(2) (A) Activity Description: Coating, Printing And Textiles; Using Organic Solvents Greater Than 150Kg/Hr Or 200 T/A Unless 6.4 A(1)</p> <p>Primary Activity: N Activity Code: 2.3 A(1) (A) Activity Description: Surface Treating Metals And Plastics; Electrolytic/Chemical Greater Than 30 Cubic Metres</p> <p>Primary Activity: N Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw</p> <p>Primary Activity: N Activity Code: 0.0 Associated Process Activity Description: Associated Process</p> <p>Primary Activity: N Activity Code: 2.1 A(2) (C) Activity Description: Ferrous Metals; Applying Protective Fused Metal Coatings to Greater Than 2 tonnes/hour of Steel</p> <p>Primary Activity: Y</p>	A18NE (N)	841	3	329786 370624
33	<p><b>Integrated Pollution Prevention And Control</b></p> <p>Name: Tata Steel UK Limited Location: Shotton Works, Weighbridge Road, Deeside Industrial Park, Deeside, Clwyd, CH5 2NH</p> <p>Authority: Natural Resources Wales Permit Reference: BP3835MQ Original Permit Ref: Br7321k Effective Date: 15th December 2006</p> <p><b>Status: Superseded By Variation</b></p> <p>Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Automatically positioned to the address Activity Code: 6.4 A(2) (A) Activity Description: Coating, Printing And Textiles; Using Organic Solvents Greater Than 150Kg/Hr Or 200 T/A Unless 6.4 A(1)</p> <p>Primary Activity: N Activity Code: 2.3 A(1) (A) Activity Description: Surface Treating Metals And Plastics; Electrolytic/Chemical Greater Than 30 Cubic Metres</p> <p>Primary Activity: N Activity Code: 2.1 A(2) (C) Activity Description: Ferrous Metals; Applying Protective Fused Metal Coatings to Greater Than 2 tonnes/hour of Steel</p> <p>Primary Activity: Y Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw</p> <p>Primary Activity: N Activity Code: 0.0 Associated Process Activity Description: Associated Process</p> <p>Primary Activity: N</p>	A18NE (N)	841	3	329786 370624

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	<p><b>Integrated Pollution Prevention And Control</b></p> <p>Name: Tata Steel UK Limited            Location: Shotton Works Ea/Epr/Br7321ik/V004, Corus Colors, Shotton Works,, DEESIDE, Clwyd, CH5 2NH            Authority: Natural Resources Wales            Permit Reference: Br7321ik            Original Permit Ref: Br7321ik            Effective Date: 17th March 2004  <b>Status: Superseded By Variation</b>            Application Type: Application            App. Sub Type: New            Positional Accuracy: Automatically positioned to the address            Activity Code: 6.4 A(2) (A)            Activity Description: Coating, Printing And Textiles; Using Organic Solvents Greater Than 150Kg/Hr Or 200 T/A Unless 6.4 A(1)            Primary Activity: N            Activity Code: 1.1 A(1) (A)            Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw            Primary Activity: N            Activity Code: 2.3 A(1) (A)            Activity Description: Surface Treating Metals And Plastics; Electrolytic/Chemical Greater Than 30 Cubic Metres            Primary Activity: N            Activity Code: 0.0 Associated Process            Activity Description: Associated Process            Primary Activity: N            Activity Code: 2.1 A(2) (C)            Activity Description: Ferrous Metals; Applying Protective Fused Metal Coatings to Greater Than 2 tonnes/hour of Steel            Primary Activity: Y</p>	A18NE (N)	841	3	329786 370624
33	<p><b>Integrated Pollution Prevention And Control</b></p> <p>Name: Orchid Environmental Limited            Location: Corus Colors, Shotton Works, Shotton Works, Weighbridge Road,,Deeside Industrial Park, DEESIDE, Clwyd, CH5 2NH            Authority: Environment Agency, Welsh Region            Permit Reference: RP3537GG            Original Permit Ref: Rp3537gg            Effective Date: Not Supplied  <b>Status: Application refused</b>            Application Type: Application            App. Sub Type: New            Positional Accuracy: Automatically positioned to the address            Activity Code: 5.5 A(1) (A)            Activity Description: Fuel From Waste; Making Solid Fuel From Waste By Using Heat (Except Charcoal)            Primary Activity: Y</p>	A18NE (N)	841	4	329786 370624
33	<p><b>Integrated Pollution Prevention And Control</b></p> <p>Name: Orchid Environmental Limited            Location: Corus Colors, Shotton Works, Shotton Works, Deeside, Flintshire, CH5 2NH            Authority: Environment Agency, Welsh Region            Permit Reference: ZP3230KQ            Original Permit Ref: Zp3230kq            Effective Date: Not Supplied  <b>Status: Valid</b>            Application Type: Application            App. Sub Type: New            Positional Accuracy: Automatically positioned to the address            Activity Code: 5.5 A(1) (A)            Activity Description: Fuel From Waste; Making Solid Fuel From Waste By Using Heat (Except Charcoal)            Primary Activity: Y</p>	A18NE (N)	841	4	329786 370624
34	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Cemex            Location: Connahs Quay, Dock Road Industrial Estate, Connachs Quay, Flintshire, Ch5 4ds            Authority: Flintshire Council, Environmental Health Department            Permit Reference: 6221            Dated: 5th May 1993            Process Type: Local Authority Pollution Prevention and Control            Description: PG3/1Blending, packing, loading and use of bulk cement  <b>Status: Authorised</b>            Positional Accuracy: Manually positioned to the address or location</p>	A13NE (E)	0	2	329795 369710

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	<b>Local Authority Pollution Prevention and Controls</b> Name: Evergreen Dry Cleaners Location: 86 High Street, Connahs Quay, Ch5 4dd Authority: Flintshire Council, Environmental Health Department Permit Reference: 9137 Dated: 28th November 2006 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning <b>Status: Authorised</b> Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	429	2	330089 369258
36	<b>Local Authority Pollution Prevention and Controls</b> Name: Tata Steel Uk Limited Location: Shotton Works, Weighbridge Road, Deeside Industrial Park, Ch5 2nh Authority: Flintshire Council, Environmental Health Department Permit Reference: 9410 Dated: 4th September 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/29 Di-isocyanate processes <b>Status: Authorised</b> Positional Accuracy: Manually positioned to the address or location	A18NE (N)	842	2	329786 370624
36	<b>Local Authority Pollution Prevention and Controls</b> Name: Tata Steel Location: Shotton Works, Weighbridge Road, Deeside Industrial Park, Deeside, CH5 2NH Authority: Flintshire Council, Environmental Health Department Permit Reference: Not Supplied Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/44 Manufacture of coating materials <b>Status: Permitted</b> Positional Accuracy: Manually positioned to the address or location	A18NE (N)	842	2	329786 370624
37	<b>Local Authority Pollution Prevention and Controls</b> Name: Quay Service Station Location: Church Street, Connahs Quay, DEESIDE, Flintshire, CH5 4AS Authority: Flintshire Council, Environmental Health Department Permit Reference: 5921 Dated: 4th September 2002 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station <b>Status: Authorised</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	941	2	328690 370165
	<b>Nearest Surface Water Feature</b>	A13SW (SW)	19	-	329666 369626
38	<b>Pollution Incidents to Controlled Waters</b> Property Type: Waste Handling Facilities Location: Dock Road Authority: Environment Agency, Welsh Region Pollutant: Oils - Diesel (Including Agricultural) Note: Deliberate Act Incident Date: 17th November 1994 Incident Reference: 21824 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Direct Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (N)	13	4	329705 369795
38	<b>Pollution Incidents to Controlled Waters</b> Property Type: Waste Handling Facilities Location: Dock Road Authority: Environment Agency, Welsh Region Pollutant: Agricultural: Carcasses Note: Deliberate Act Incident Date: 17th November 1994 Incident Reference: 21824 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Direct Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (N)	17	4	329705 369800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
38	<b>Pollution Incidents to Controlled Waters</b> Property Type: Waste Handling Facilities Location: Connahs Quay Authority: Environment Agency, Welsh Region Pollutant: Light Oil Note: Inadequate Design/Capacity Incident Date: 23rd September 1991 Incident Reference: 2273 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Effluent Discharge Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13NE (N)	17	4	329700 369795
38	<b>Pollution Incidents to Controlled Waters</b> Property Type: Boats/Ships Location: Dock, CONNAH'S QUAY Authority: Environment Agency, Welsh Region Pollutant: Chemicals - Other Inorganic Note: Neglect Incident Date: 17th November 1994 Incident Reference: 21822 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (N)	21	4	329700 369800
39	<b>Pollution Incidents to Controlled Waters</b> Property Type: Boats/Ships Location: Dock, CONNAH'S QUAY Authority: Environment Agency, Welsh Region Pollutant: Farm Effluent/Slurry Note: Accidental Spillage/Leakage Incident Date: 21st August 1994 Incident Reference: 21068 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	143	4	329500 369880
40	<b>Pollution Incidents to Controlled Waters</b> Property Type: Waste Handling Facilities Location: Riverside, Buildings At, CONNAH'S QUAY Authority: Environment Agency, Welsh Region Pollutant: Sewage - Treated Effluent Note: Not Supplied Incident Date: 13th January 1992 Incident Reference: 2394 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	197	4	329430 369910
40	<b>Pollution Incidents to Controlled Waters</b> Property Type: Boats/Ships Location: Cocksles Boat Jetty Authority: Environment Agency, Welsh Region Pollutant: Light Oil Note: Not Supplied Incident Date: 26th February 1992 Incident Reference: 3317 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	206	4	329400 369900
41	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Dock Road, CONNAH'S QUAY Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Vandalism Incident Date: 1st August 1996 Incident Reference: 29410 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	A12NE (NW)	343	4	329301 369996

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
41	<b>Pollution Incidents to Controlled Waters</b> Property Type: Boats/Ships Location: Connahs Quay Harbour Authority: Environment Agency, Welsh Region Pollutant: Foam/Soap Suds Note: Not Supplied Incident Date: 11th July 1995 Incident Reference: 24706 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	A12NE (NW)	347	4	329301 370001
42	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: At Abstraction Point Authority: Environment Agency, Welsh Region Pollutant: Algae Note: Natural Occurrence Incident Date: 11th March 1997 Incident Reference: 31656 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Natural Causes Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	427	4	329300 370100
43	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: CONNAH'S QUAY Authority: Environment Agency, Welsh Region Pollutant: Rubble/Litter Or Solids Note: Not Supplied Incident Date: 14th January 1997 Incident Reference: 31150 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	A14SE (E)	573	4	330400 369500
44	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Spar Supermarket, Englefield Avenue, CONNAH'S QUAY Authority: Environment Agency, Welsh Region Pollutant: Oils - Petrol Note: Wepre Brook Incident Date: 1st October 1997 Incident Reference: 33736 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Vandalism Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (SE)	607	4	330001 369001
45	<b>Pollution Incidents to Controlled Waters</b> Property Type: Road (Lost Load) Location: Lyndon Avenue, CONNAH'S QUAY Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Accidental Spillage/Leakage Incident Date: 22nd January 1992 Incident Reference: 2588 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	615	4	329050 369350
46	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: CONNAH'S QUAY Authority: Environment Agency, Welsh Region Pollutant: Rubble/Litter Or Solids Note: Not Supplied Incident Date: 20th January 1997 Incident Reference: 31151 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	A9NE (SE)	660	4	330400 369300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
47	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Warehouses            Location: SHOTTON            Authority: Environment Agency, Welsh Region            Pollutant: Unknown            Note: Vandalism            Incident Date: 7th July 1995            Incident Reference: 25041            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>	A9NW (SE)	690	4	330300 369100
47	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Not Given            Location: CONNAH'S QUAY            Authority: Environment Agency, Welsh Region            Pollutant: Chemicals - Alkali            Note: Vandalism            Incident Date: 29th July 1996            Incident Reference: 29397            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>	A9NW (SE)	693	4	330300 369095
48	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Not Given            Location: CONNAH'S QUAY            Authority: Environment Agency, Welsh Region            Pollutant: Oils - Petrol            Note: Wepre Brook; Run-Off            Incident Date: 21st December 1997            Incident Reference: 34417            Catchment Area: Not Given            Receiving Water: Not Given            Cause of Incident: Accidental Spillage/Leakage            Incident Severity: Category 3 - Minor Incident            Positional Accuracy: Located by supplier to within 100m</p>	A8SE (S)	702	4	330001 368901
49	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Other            Location: Gateways            Authority: Environment Agency, Welsh Region            Pollutant: Algae            Note: Deliberate Act            Incident Date: 4th September 1991            Incident Reference: 2246            Catchment Area: Not Given            Receiving Water: Not Given            Cause of Incident: Direct Discharge            Incident Severity: Category 2 - Significant Incident            Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	707	4	330250 369030
49	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Other            Location: Up Stream Of, A548 Road Bridge            Authority: Environment Agency, Welsh Region            Pollutant: Oils - Diesel (Including Agricultural)            Note: Deliberate Act            Incident Date: 6th February 1992            Incident Reference: 2537            Catchment Area: Not Given            Receiving Water: Not Given            Cause of Incident: Direct Discharge            Incident Severity: Category 2 - Significant Incident            Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	733	4	330290 369030
50	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Not Given            Location: Power, Station Leading To River Dee            Authority: Environment Agency, Welsh Region            Pollutant: Farm Effluent/Slurry            Note: Poor Operational Practise            Incident Date: 14th June 1992            Incident Reference: 4511            Catchment Area: Not Given            Receiving Water: Not Given            Cause of Incident: Direct Discharge            Incident Severity: Category 3 - Minor Incident            Positional Accuracy: Located by supplier to within 100m</p>	A18NE (N)	720	4	329800 370500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
51	<b>Pollution Incidents to Controlled Waters</b> Property Type: Road (Lost Load) Location: Connahs Quay, Sommerfield Shopping Authority: Environment Agency, Welsh Region Pollutant: Oils - Petrol Note: Accidental Spillage/Leakage Incident Date: 19th August 1995 Incident Reference: 25509 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	A9NE (SE)	768	4	330400 369095
51	<b>Pollution Incidents to Controlled Waters</b> Property Type: Road (Lost Load) Location: Gateway, Supermarket Authority: Environment Agency, Welsh Region Pollutant: Miscellaneous - Fire water / Foam Note: Accidental Spillage/Leakage Incident Date: 20th August 1995 Incident Reference: 25508 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	A9NE (SE)	772	4	330405 369095
52	<b>Pollution Incidents to Controlled Waters</b> Property Type: Water Company Sewage: Surface Water Outfall Location: St Connahs Quay, CHAPEL Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Vandalism Incident Date: 25th November 1995 Incident Reference: 26777 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	A8SE (S)	772	4	329800 368800
53	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Poor Management Incident Date: 12th February 1997 Incident Reference: 31346 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	A8SW (S)	827	4	329500 368800
54	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Small Bridge, By Brook Road Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 18th October 1995 Incident Reference: 26268 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	A9SE (SE)	831	4	330400 369000
55	<b>Pollution Incidents to Controlled Waters</b> Property Type: Private Sewage (Non-PLC): Other Location: Killins Lane Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Inadequate Design/Capacity Incident Date: 6th April 1995 Incident Reference: 23400 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	831	4	330100 368800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
55	<b>Pollution Incidents to Controlled Waters</b> Property Type: Private Sewage (Non-PLC): Other Location: Location Description Not Available Authority: Environment Agency, Welsh Region Pollutant: Road Run-Off Note: Weather Incident Date: 20th November 1994 Incident Reference: 21725 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Bypass Of Treatment Facilities Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	850	4	330150 368800
56	<b>Pollution Incidents to Controlled Waters</b> Property Type: Warehouses Location: SHOTTON Authority: Environment Agency, Welsh Region Pollutant: Light Oil Note: Vandalism Incident Date: 13th September 1991 Incident Reference: 3231 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Leakage Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A9NE (SE)	883	4	330600 369200
57	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 26th November 1996 Incident Reference: 30558 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	A19NE (NE)	952	4	330400 370500
58	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Summers Jetty Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 4th May 1995 Incident Reference: 23941 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	A17NE (NW)	957	4	329100 370595
59	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: QUEENSFERRY Authority: Environment Agency, Welsh Region Pollutant: Filter Backwash Water Note: Not Supplied Incident Date: 17th December 1995 Incident Reference: 27094 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	A17NW (NW)	984	4	328800 370400
60	<b>Prosecutions Relating to Authorised Processes</b> Location: Dock Road Industrial Estate, Connahs Quay, Deeside, Clwyd, Ch5 4ds Prosecution Text: Illegal Burning Of Wood And Sawdust On Land Without A Waste Management Licence Prosecution Act: Epa90 S33(1b) Hearing Date: 13th December 2002 Verdict: Guilty Fine: 200 Costs: 417 Positional Accuracy: Manually positioned to the road within the address or location	A13NE (N)	73	4	329738 369854

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
61	<p><b>Prosecutions Relating to Authorised Processes</b></p> <p>Location: Dock Road, Connahs Quay, Deeside, Clwyd, Ch5            Prosecution Text: Guilty Party Observed Fly-Tipping Two Armchairs At Fly-Tipping 'Hotspot'            Prosecution Act: Epa90 S33 &amp; S34            Hearing Date: 8th August 2002            Verdict: Guilty            Fine: 200            Costs: 275            Positional Accuracy: Manually positioned to the road within the address or location</p>	A14SW (E)	205	4	330055 369629
	<p><b>River Quality</b></p> <p>Name: Wepre Bk            GQA Grade: River Quality C            Reach: Tidal Limit - Conf. Alltami Bk            Estimated Distance (km): 4.2            Flow Rate: Flow less than 0.31 cumecs            Flow Type: River            Year: 2000</p>	A9NW (SE)	645	4	330267 369131
62	<p><b>River Quality Chemistry Sampling Points</b></p> <p>Name: Wepre Brook            Reach: Tidal Limit To Confluence Alltami Brook            Estimated Distance: 4.20            Objective: Not Supplied            Positional Accuracy: Located by supplier to within 10m            Year: 1990            GQA Grade: River Quality Chemistry GQA Grade B - Good            Compliance: Not Supplied            Year: 1993            GQA Grade: River Quality Chemistry GQA Grade B - Good            Compliance: Not Supplied            Year: 1994            GQA Grade: River Quality Chemistry GQA Grade B - Good            Compliance: Not Supplied            Year: 1995            GQA Grade: River Quality Chemistry GQA Grade B - Good            Compliance: Not Supplied            Year: 1996            GQA Grade: River Quality Chemistry GQA Grade B - Good            Compliance: Not Supplied            Year: 1997            GQA Grade: River Quality Chemistry GQA Grade B - Good            Compliance: Not Supplied            Year: 1998            GQA Grade: River Quality Chemistry GQA Grade B - Good            Compliance: Not Supplied            Year: 1999            GQA Grade: River Quality Chemistry GQA Grade B - Good            Compliance: Not Supplied            Year: 2000            GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good            Compliance: Not Supplied            Year: 2001            GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good            Compliance: Not Supplied            Year: 2002            GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good            Compliance: Not Supplied            Year: 2003            GQA Grade: River Quality Chemistry GQA Grade B - Good            Compliance: Not Supplied            Year: 2004            GQA Grade: River Quality Chemistry GQA Grade A - Very Good            Compliance: Not Supplied            Year: 2005            GQA Grade: River Quality Chemistry GQA Grade B - Good            Compliance: Not Supplied            Year: 2006            GQA Grade: River Quality Chemistry GQA Grade B - Good            Compliance: Not Supplied            Year: 2007            GQA Grade: River Quality Chemistry GQA Grade B - Good            Compliance: Not Supplied            Year: 2008            GQA Grade: River Quality Chemistry GQA Grade B - Good            Compliance: Not Supplied            Year: 2009            GQA Grade: River Quality Chemistry GQA Grade B - Good            Compliance: Not Supplied</p>	A9NE (SE)	762	4	330380 369080

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	<b>Substantiated Pollution Incident Register</b> Authority: Natural Resources Wales Incident Date: 9th May 2006 Incident Reference: 397313 Water Impact: Category 3 - Minor Incident 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: Dust Pollutant: Atmospheric Pollutants And Effects: Smoke Pollutant: Oils - Unknown	A12NE (NW)	343	3	329270 369963
64	<b>Substantiated Pollution Incident Register</b> Authority: Natural Resources Wales Incident Date: 11th April 2007 Incident Reference: 484437 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Contaminated Water: Suspended Solids	A9SW (SE)	833	3	330109 368801
65	<b>Substantiated Pollution Incident Register</b> Authority: Natural Resources Wales Incident Date: 19th September 2017 Incident Reference: 1704991 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Contaminated Water: Suspended Solids	A8SE (S)	914	3	329946 368671
	<b>Water Abstractions</b> Operator: Deeside Power (Uk) Limited Licence Number: 24/67/10/0117 Permit Version: 104 Location: River Dee Authority: Natural Resources Wales Abstraction: Production of Energy: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Tidal Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 2nd November 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	1037	3	329050 370660
	<b>Water Abstractions</b> Operator: Deeside Power (Uk) Limited Licence Number: 24/67/10/0117 Permit Version: 103 Location: River Dee Authority: Natural Resources Wales Abstraction: Production of Energy: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Tidal Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 12 July Permit Start Date: 1st July 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	1037	3	329050 370660

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Water Abstractions</b> Operator: Deeside Power Ltd Licence Number: 24/67/10/0117 Permit Version: 102 Location: River Dee Authority: Natural Resources Wales Abstraction: Production of Energy: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Tidal Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st December 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	1037	3	329050 370660
	<b>Water Abstractions</b> Operator: Deeside Power Development Company Ltd Licence Number: 24/67/10/0117 Permit Version: 101 Location: River Dee Authority: Environment Agency, Welsh Region Abstraction: Production of Energy: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Tidal Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 7th March 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	1037	4	329050 370660
	<b>Water Abstractions</b> Operator: National Power Plc (Deeside) Licence Number: 24/67/10/0117 Permit Version: 100 Location: River Dee Authority: Environment Agency, Welsh Region Abstraction: Electricity: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Tidal Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: River Dee Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 4th November 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	1037	4	329050 370660
	<b>Water Abstractions</b> Operator: British Steel Plc Licence Number: 24/67/10/0053 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, Welsh Region Abstraction: Metal: Process Water Abstraction Type: Not Supplied Source: Tidal Daily Rate (m3): 2727 Yearly Rate (m3): 1000120 Details: River Dee C Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A15SW (E)	1039	4	330900 369601

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Water Abstractions</b> Operator: British Steel Plc Licence Number: 24/67/10/0053 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, Welsh Region Abstraction: Metal: Process Water Abstraction Type: Not Supplied Source: Tidal Daily Rate (m3): 90900 Yearly Rate (m3): 33276720 Details: River Dee A Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22SE (NW)	1078	4	329030 370695
	<b>Water Abstractions</b> Operator: Uniper Uk Limited Licence Number: 24/67/10/0124 Permit Version: 103 Location: Dee Estuary Authority: Natural Resources Wales Abstraction: Production of Energy: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Tidal Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 30th September 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21NE (NW)	1796	3	328430 371160
	<b>Water Abstractions</b> Operator: E On Uk Plc Licence Number: 24/67/10/0124 Permit Version: 102 Location: Dee Estuary Authority: Natural Resources Wales Abstraction: Production of Energy: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Tidal Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 12 July Permit Start Date: 7th March 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21NE (NW)	1796	3	328430 371160
	<b>Water Abstractions</b> Operator: Powergen Uk Plc Licence Number: 24/67/10/0124 Permit Version: 101 Location: Dee Estuary Authority: Environment Agency, Welsh Region Abstraction: Production of Energy: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Tidal Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21NE (NW)	1796	4	328430 371160

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Water Abstractions</b> Operator: Powergen Plc Licence Number: 24/67/10/0124 Permit Version: 100 Location: Dee Estuary Authority: Environment Agency, Welsh Region Abstraction: Electricity: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Tidal Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dee Estuary Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th October 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A21NE (NW)	1796	4	328430 371160
	<b>Groundwater Vulnerability</b> Soil Classification: Soils of High Leaching Potential (H1) - Soils which readily transmit liquid discharges because they are either shallow, or susceptible to rapid by-pass flow directly to rock, gravel or groundwater Map Sheet: Sheet 16 West Cheshire Scale: 1:100,000	A13NE (W)	0	4	329706 369693
	<b>Drift Deposits</b> None				
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	A13NE (W)	0	1	329706 369693
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	A13NE (W)	0	1	329706 369693
	<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	A13SW (SW)	0	3	329680 369668
	<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	A13SW (SW)	11	3	329668 369631
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	16	3	329667 369627
	<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 and Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	19	3	329773 369563
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial / Tidal Models and Fluvial Events Boundary Accuracy: As Supplied	A13SW (SW)	20	3	329666 369624
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	20	3	329765 369567
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	20	3	329763 369568
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	20	3	329761 369569
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	20	3	329772 369563

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	20	3	329770 369564
	<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 and Fluvial Events Boundary Accuracy: As Supplied	A13SE (S)	20	3	329730 369587
	<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 and Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	20	3	329769 369565
	<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 and Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	20	3	329771 369564
	<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 and Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	20	3	329762 369568
	<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 and Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	20	3	329765 369567
	<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 and Fluvial Events Boundary Accuracy: As Supplied	A13NW (W)	21	3	329559 369680
	<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 and Fluvial Events Boundary Accuracy: As Supplied	A13SW (SW)	22	3	329666 369623
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	30	3	329808 369546
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	32	3	329810 369544
	<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 and Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	32	3	329809 369544
	<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 and Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	33	3	329811 369543
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	34	3	329812 369543
	<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 and Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	35	3	329813 369542
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	36	3	329814 369542
	<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 and Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	37	3	329815 369541

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	38	3	329816 369541
	<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 and Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	39	3	329817 369540
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	47	3	329828 369537
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	56	3	329836 369532
	<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	A13SE (SE)	57	3	329837 369532
	<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	A13SW (SW)	60	3	329631 369591
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SW (W)	60	3	329560 369643
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NW (W)	75	3	329457 369759
	<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 and Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	80	3	329858 369520
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NE (N)	82	3	329716 369867
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	82	3	329859 369519
	<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 and Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	82	3	329860 369519
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	84	3	329861 369518
	<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 and Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	84	3	329862 369518
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	86	3	329863 369517
	<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 and Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	86	3	329864 369517

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	88	3	329865 369516
	<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 and Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	89	3	329866 369516
	<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	A13NW (W)	92	3	329442 369770
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NW (W)	105	3	329431 369778
	<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	A13NW (W)	113	3	329426 369785
	<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	A13NE (NE)	113	3	329926 369808
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	114	3	329890 369504
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NW (W)	121	3	329419 369787
	<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 and Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	122	3	329896 369500
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	123	3	329897 369500
	<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 and Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	124	3	329898 369499
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	125	3	329899 369499
	<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 and Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	126	3	329900 369498
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	127	3	329901 369498
	<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 and Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	128	3	329902 369497
	<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	A13NW (W)	129	3	329412 369793

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	129	3	329903 369497
	<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 and Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	131	3	329904 369496
	<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	A13NW (W)	135	3	329407 369796
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NW (W)	135	3	329407 369796
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NW (W)	138	3	329404 369798
	<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	A13NW (W)	144	3	329399 369801
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NW (W)	145	3	329399 369802
	<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 and Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	155	3	329920 369476
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	156	3	329923 369479
	<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	A13NE (N)	229	3	329736 370013
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	231	3	329974 369424
	<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	A13NE (N)	241	3	329804 370009
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A14NW (E)	246	3	330111 369684
	<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	A13SE (SE)	248	3	329986 369410
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	249	3	329936 369366
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	249	3	329986 369410

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	A13NW (W)	0	3	329626 369690
	<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	A13SW (SW)	12	3	329674 369626
	<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	A13NE (N)	82	3	329716 369867
	<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	A13NE (NE)	119	3	329864 369851
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	123	3	329860 369851
	<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	A13NE (N)	229	3	329736 370013
	<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	A14NW (E)	246	3	330111 369684
	<b>Areas Benefiting from Flood Defences</b> Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A13SW (SW)	0	3	329665 369630
	<b>Flood Water Storage Areas</b> None				
	<b>Flood Defences</b> Type: Flood Defences Reference: 0	A13NE (N)	78	3	329732 369861
	<b>Flood Defences</b> Type: Flood Defences Reference: 0	A13NE (NE)	107	3	329820 369852
	<b>Flood Defences</b> Type: Flood Defences Reference: 0	A13NW (NW)	234	3	329390 369928
66	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 223.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A13SW (SW)	19	5	329666 369626
67	<b>OS Water Network Lines</b> Watercourse Form: Tidal river Watercourse Length: 636.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Dyfrdwy Catchment Name: Not Supplied Primacy: 1	A13NE (N)	153	5	329706 369938
68	<b>OS Water Network Lines</b> Watercourse Form: Tidal river Watercourse Length: 268.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Dyfrdwy Catchment Name: Not Supplied Primacy: 1	A13NE (N)	156	5	329775 369930

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
69	<b>OS Water Network Lines</b> Watercourse Form: Tidal river Watercourse Length: 182.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A13NE (N)	156	5	329748 369938
70	<b>OS Water Network Lines</b> Watercourse Form: Tidal river Watercourse Length: 57.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Not Supplied Primacy: 1	A13NE (NE)	249	5	330014 369911
71	<b>OS Water Network Lines</b> Watercourse Form: Tidal river Watercourse Length: 395.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Dyfrdwy Catchment Name: Not Supplied Primacy: 1	A13NE (NE)	249	5	330014 369911
72	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 106.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18SE (N)	268	5	329813 370034
73	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18SE (N)	275	5	329779 370053
74	<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: Dee Primacy: 1	A18SE (N)	279	5	329781 370056
75	<b>OS Water Network Lines</b> Watercourse Form: Foreshore Watercourse Length: 9.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18SE (N)	279	5	329781 370056
76	<b>OS Water Network Lines</b> Watercourse Form: Foreshore Watercourse Length: 33.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 2	A18SE (N)	281	5	329782 370058
77	<b>OS Water Network Lines</b> Watercourse Form: Foreshore Watercourse Length: 28.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18SE (N)	281	5	329772 370060

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
78	<b>OS Water Network Lines</b> Watercourse Form: Foreshore Watercourse Length: 28.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Not Supplied Primacy: 1	A13NE (NE)	294	5	330009 369968
79	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 22.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A13NE (NE)	314	5	329998 369997
80	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 43.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 2	A18SE (N)	314	5	329784 370091
81	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 36.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 2	A13NE (NE)	330	5	330000 370014
82	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 8.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18SE (NE)	330	5	329994 370019
83	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 80.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18SW (N)	334	5	329638 370110
84	<b>OS Water Network Lines</b> Watercourse Form: Marsh Watercourse Length: 58.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 2	A18SE (N)	346	5	329762 370128
85	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 226.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18SE (NE)	363	5	329957 370074
86	<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: Dee Primacy: 2	A18SE (N)	367	5	329709 370152

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
87	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 100.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18SW (N)	387	5	329625 370162
88	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 21.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18SW (N)	396	5	329657 370178
89	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 15.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18SW (N)	398	5	329594 370165
90	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 47.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18SW (N)	402	5	329614 370174
91	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 74.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18SE (N)	402	5	329803 370177
92	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 13.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18SE (N)	404	5	329806 370178
93	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 14.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18SW (N)	413	5	329585 370177
94	<b>OS Water Network Lines</b> Watercourse Form: Tidal river Watercourse Length: 326.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18SW (N)	413	5	329585 370177
95	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 10.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18SW (N)	418	5	329620 370192

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
96	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18SW (N)	418	5	329620 370192
97	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 80.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18SW (N)	419	5	329595 370187
98	<b>OS Water Network Lines</b> Watercourse Form: Tidal river Watercourse Length: 62.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A14SW (E)	427	5	330229 369480
99	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 2.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18SE (N)	450	5	329764 370233
100	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 391.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18SE (N)	450	5	329764 370233
101	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 36.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18SE (N)	451	5	329766 370233
102	<b>OS Water Network Lines</b> Watercourse Form: Tidal river Watercourse Length: 107.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Wepre Gutter Catchment Name: Not Supplied Primacy: 1	A14SW (E)	463	5	330284 369505
103	<b>OS Water Network Lines</b> Watercourse Form: Tidal river Watercourse Length: 2.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Not Supplied Primacy: 1	A14SW (E)	464	5	330314 369587
104	<b>OS Water Network Lines</b> Watercourse Form: Tidal river Watercourse Length: 237.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Wepre Gutter Catchment Name: Dee Primacy: 1	A14SW (E)	464	5	330314 369587

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
105	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 66.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18SE (N)	466	5	329902 370212
106	<b>OS Water Network Lines</b> Watercourse Form: Foreshore Watercourse Length: 25.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A14SW (E)	467	5	330316 369586
107	<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: Dee Primacy: 1	A18SE (N)	467	5	329884 370221
108	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 6.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18SE (N)	467	5	329884 370221
109	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 40.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18SE (N)	467	5	329864 370228
110	<b>OS Water Network Lines</b> Watercourse Form: Tidal river Watercourse Length: 148.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A14SW (SE)	467	5	330243 369419
111	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 58.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18SE (N)	468	5	329840 370236
112	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 122.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18SE (NE)	471	5	329946 370197
113	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 2.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A19SW (NE)	489	5	330063 370160

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
114	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 269.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A19SW (NE)	490	5	330065 370159
115	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 317.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A14SW (E)	492	5	330341 369581
116	<b>OS Water Network Lines</b> Watercourse Form: Tidal river Watercourse Length: 32.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A14SW (SE)	496	5	330242 369348
117	<b>OS Water Network Lines</b> Watercourse Form: Tidal river Watercourse Length: 19.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A14SW (SE)	496	5	330242 369348
118	<b>OS Water Network Lines</b> Watercourse Form: Tidal river Watercourse Length: 427.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A9NW (SE)	506	5	330237 369316
119	<b>OS Water Network Lines</b> Watercourse Form: Tidal river Watercourse Length: 1.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A9NW (SE)	508	5	330237 369316
120	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 16.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A9NW (SE)	510	5	330239 369316
121	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 458.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A14SW (SE)	515	5	330261 369345
122	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 184.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A9NW (SE)	525	5	330254 369310

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
123	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 73.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A17SE (NW)	534	5	329172 370144
124	<b>OS Water Network Lines</b> Watercourse Form: Tidal river Watercourse Length: 16.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Not Supplied Primacy: 1	A14NE (E)	535	5	330393 369810
125	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 8.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A17SE (NW)	536	5	329133 370100
126	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 130.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A19SW (NE)	541	5	330292 370052
127	<b>OS Water Network Lines</b> Watercourse Form: Tidal river Watercourse Length: 48.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Dyfrdwy Catchment Name: Not Supplied Primacy: 1	A17SE (NW)	542	5	329181 370154
128	<b>OS Water Network Lines</b> Watercourse Form: Tidal river Watercourse Length: 911.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Dyfrdwy Catchment Name: Not Supplied Primacy: 1	A14NE (E)	542	5	330397 369826
129	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 17.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A14NE (E)	567	5	330379 369956
130	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 16.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A14NE (E)	578	5	330394 369948
131	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 36.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 2	A14NE (E)	587	5	330408 369939

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
132	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 110.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A14NE (E)	587	5	330408 369939
133	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 466.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18SE (NE)	589	5	330008 370297
134	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 135.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A17SE (NW)	590	5	329154 370195
135	<b>OS Water Network Lines</b> Watercourse Form: Tidal river Watercourse Length: 64.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Dyfrdwy Catchment Name: Not Supplied Primacy: 1	A17SE (NW)	590	5	329154 370195
136	<b>OS Water Network Lines</b> Watercourse Form: Tidal river Watercourse Length: 200.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A17SE (NW)	607	5	329301 370322
137	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 33.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 2	A14NE (E)	623	5	330440 369955
138	<b>OS Water Network Lines</b> Watercourse Form: Tidal river Watercourse Length: 16.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A17SE (NW)	632	5	329312 370334
139	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 14.0 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A17SE (NW)	644	5	329319 370349
140	<b>OS Water Network Lines</b> Watercourse Form: Tidal river Watercourse Length: 1116.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Dyfrdwy Catchment Name: Not Supplied Primacy: 1	A17SE (NW)	649	5	329138 370257

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
141	<b>OS Water Network Lines</b> Watercourse Form: Tidal river Watercourse Length: 60.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A17SE (NW)	649	5	329138 370257
142	<b>OS Water Network Lines</b> Watercourse Form: Tidal river Watercourse Length: 91.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A17NE (NW)	655	5	329323 370362
143	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 32.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 2	A14NE (E)	656	5	330473 369963
144	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 85.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18NW (N)	669	5	329436 370403
145	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 76.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A17SE (NW)	685	5	329077 370254
146	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 26.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 2	A14NE (E)	688	5	330504 369971
147	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 683.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A8SE (S)	698	5	329865 368877
148	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 22.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A9NE (SE)	708	5	330415 369225
149	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 114.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 2	A14NE (E)	714	5	330529 369978

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
150	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 32.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A17NE (NW)	717	5	329358 370437
151	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 243.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A9NE (SE)	730	5	330436 369215
152	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 202.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A17SW (NW)	734	5	328998 370247
153	<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: Dee Primacy: 1	A17SW (NW)	734	5	329000 370249
154	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 39.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A17SW (NW)	737	5	329003 370255
155	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 220.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A9SW (SE)	743	5	330275 369003
156	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 492.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A18NW (NW)	746	5	329366 370468
157	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 13.6 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A9NW (SE)	758	5	330363 369068
158	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 26.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A17SW (NW)	764	5	329002 370292

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
159	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 343.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Gwepra Catchment Name: Dee Primacy: 1	A9SW (SE)	789	5	330140 368863
160	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 124.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A8SW (S)	850	5	329557 368756
161	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 310.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A17SW (NW)	864	5	328800 370202
162	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 835.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Gwepra Catchment Name: Dee Primacy: 1	A8SE (S)	871	5	329974 368720
163	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 118.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A8SW (S)	876	5	329384 368799
164	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 72.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A8SW (S)	881	5	329387 368792
165	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 84.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A9SW (S)	903	5	330045 368705
166	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 179.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A7SE (SW)	905	5	329289 368820
167	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 303.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A23SW (N)	946	5	329490 370704

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
168	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 9.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A9NE (SE)	973	5	330668 369134
169	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 136.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A9NE (SE)	974	5	330652 369104
170	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 225.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A4NW (S)	982	5	330059 368627
171	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 180.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A9NE (SE)	983	5	330676 369129

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
172	<b>BGS Recorded Landfill Sites</b> Site Name: River Bank Location: FLINTS, Flintshire Authority: British Geological Survey, National Geoscience Information Service Ground Water: Information not available Surface Water: Information not available Geology: N/A Positional Accuracy: Positioned by the supplier Boundary Accuracy: Good	A13SE (SE)	85	-	329905 369596
173	<b>BGS Recorded Landfill Sites</b> Site Name: Pinewood Avenue Location: Deeside, FLINTS, Flintshire Authority: British Geological Survey, National Geoscience Information Service Ground Water: Information not available Surface Water: Information not available Geology: N/A Positional Accuracy: Positioned by the supplier Boundary Accuracy: Derived	A8NW (SW)	422	-	329511 369250
174	<b>Historical Landfill Sites</b> Licence Holder: Wepre Chemical Works Location: Dock Road, Connahs Quay Name: Works Yard Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD14654 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Industrial and Special Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 6835/0156 BGS Ref: Not Supplied Other Ref: Not Supplied	A13NE (W)	0	3	329706 369693
175	<b>Historical Landfill Sites</b> Licence Holder: Connahs Quay Urban District Council Location: Dock Road, Connahs Quay Name: River Bank Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD14223 First Input Date: 31st December 1970 Last Input Date: 31st December 1973 Specified Waste: Deposited Waste included Inert, Industrial, Commercial, Household and Type: Special Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 6835/0118 BGS Ref: 1738 Other Ref: Not Supplied	A13SE (SE)	91	3	329908 369583
176	<b>Historical Landfill Sites</b> Licence Holder: Wepre Chemical Works Location: Docks Road, Connahs Quay Name: Alkali Works Tip Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD14645 First Input Date: 31st December 1870 Last Input Date: 31st December 1905 Specified Waste: Deposited Waste included Industrial, Commercial and Household Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 6835/0104 BGS Ref: Not Supplied Other Ref: Not Supplied	A13NE (E)	137	3	329999 369745

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
177	<p><b>Historical Landfill Sites</b></p> <p>Licence Holder: Alyn and Deeside District Council            Location: Connahs Quay, Flintshire            Name: Reneys Pit            Operator Location: Not Supplied            Boundary Accuracy: As Supplied            Provider Reference: EAHLD14638            First Input Date: Not Supplied            Last Input Date: Not Supplied            Specified Waste: Deposited Waste included Inert, Industrial, Commercial, Household and Special Waste            Type: Special Waste            EA Waste Ref: 0            Regis Ref: Not Supplied            WRC Ref: 6835/0070            BGS Ref: Not Supplied            Other Ref: UT2</p>	A13SW (W)	154	3	329406 369642
178	<p><b>Historical Landfill Sites</b></p> <p>Licence Holder: Alyn and Deeside District Council            Location: Connahs Quay, Flintshire            Name: Princes Pit            Operator Location: Not Supplied            Boundary Accuracy: As Supplied            Provider Reference: EAHLD14651            First Input Date: 31st December 1960            Last Input Date: 31st December 1975            Specified Waste: Deposited Waste included Inert, Industrial, Commercial, Household and Special Waste            Type: Special Waste            EA Waste Ref: 0            Regis Ref: Not Supplied            WRC Ref: 6835/0139            BGS Ref: Not Supplied            Other Ref: Not Supplied</p>	A8NW (SW)	356	3	329488 369340
179	<p><b>Historical Landfill Sites</b></p> <p>Licence Holder: Not Supplied            Location: Deeside, Flints, Flintshire            Name: Pinewood Avenue            Operator Location: Wales            Boundary Accuracy: As Supplied            Provider Reference: EAHLD31192            First Input Date: 31st December 1970            Last Input Date: Not Supplied            Specified Waste: Deposited Waste included Inert and Industrial Waste            Type:            EA Waste Ref: 0            Regis Ref: Not Supplied            WRC Ref: Not Supplied            BGS Ref: 1739            Other Ref: Not Supplied</p>	A8NW (SW)	450	3	329495 369227
180	<p><b>Historical Landfill Sites</b></p> <p>Licence Holder: Corus U K Limited            Location: Deeside, Flintshire            Name: Shotton Works            Operator Location: Not Supplied            Boundary Accuracy: As Supplied            Provider Reference: EAHLD14713            First Input Date: Not Supplied            Last Input Date: 31st December 1995            Specified Waste: Deposited Waste included Industrial and Household Waste            Type:            EA Waste Ref: 37049            Regis Ref: WW1/L/BRI003            WRC Ref: 6835/0014            BGS Ref: Not Supplied            Other Ref: 6835/0044, 171/92, NOW-438-L</p>	A17NE (NW)	741	3	329340 370456
181	<p><b>Historical Landfill Sites</b></p> <p>Licence Holder: W J Jackson            Location: Shotton, Flintshire            Name: Land at Ryeland Street            Operator Location: Not Supplied            Boundary Accuracy: As Supplied            Provider Reference: EAHLD15104            First Input Date: 31st December 1978            Last Input Date: 24th February 1983            Specified Waste: Deposited Waste included Inert and Commercial Waste            Type:            EA Waste Ref: 0            Regis Ref: Not Supplied            WRC Ref: 6835/0048            BGS Ref: Not Supplied            Other Ref: 103/78</p>	A9NE (SE)	847	3	330512 369117

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
182	<p><b>Licensed Waste Management Facilities (Landfill Boundaries)</b></p> <p>Name: Not Supplied  Licence Number: 37049  Location: Not Supplied  Licence Holder: Not Supplied  Authority: Natural Resources Wales  Site Category: Not Supplied  Max Input Rate: Not Supplied  <b>Licence Status: Inactive</b>  Issued: Not Supplied  Positional Accuracy: Positioned by the supplier  Boundary Accuracy: As Supplied</p>	A17NE (NW)	765	3	329334 370480
183	<p><b>Licensed Waste Management Facilities (Landfill Boundaries)</b></p> <p>Name: British Steel No 2 Landfill  Licence Number: 37049  Location: Shotton Works, Deeside, Flintshire, CH5 2NH  Licence Holder: Corus U K Limited  Authority: Natural Resources Wales  Site Category: Industrial Waste Landfills  Max Input Rate: Large (Equal to or greater than 75,000 tonnes per year)  <b>Licence Status: Inactive</b>  Issued: 21st January 1993  Positional Accuracy: Positioned by the supplier  Boundary Accuracy: As Supplied</p>	A17NE (NW)	827	3	329327 370548
184	<p><b>Licensed Waste Management Facilities (Locations)</b></p> <p>Licence Number: 37111  Location: Plot 7, Dock Road Ind Estate, Connahs Quay, CH5 4DS  Operator Name: Williams Stewart  Operator Location: Not Supplied  Authority: Natural Resources Wales  Site Category: Metal Recycling Sites (Vehicle Dismantlers)  <b>Licence Status: Issued</b>  Issued: 7th July 1994  Last Modified: Not Supplied  Expires: Not Supplied  Suspended: Not Supplied  Revoked: Not Supplied  Surrendered: Not Supplied  IPPC Reference: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A13NW (N)	92	3	329655 369855
185	<p><b>Licensed Waste Management Facilities (Locations)</b></p> <p>Licence Number: 37081  Location: Dock Rd, Connah's Quay, Deeside, Flintshire, CH5 4DS  Operator Name: Deemet Limited  Operator Location: Not Supplied  Authority: Natural Resources Wales  Site Category: Metal Recycling Sites (Vehicle Dismantlers)  <b>Licence Status: Expired</b>  Issued: 23rd February 1993  Last Modified: Not Supplied  Expires: Not Supplied  Suspended: Not Supplied  Revoked: Not Supplied  Surrendered: Not Supplied  IPPC Reference: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A13NE (E)	156	3	330022 369695
186	<p><b>Licensed Waste Management Facilities (Locations)</b></p> <p>Licence Number: 37249  Location: Quay Business Park, Dock Road, Connahs Quay, Deeside, CH5 4DS  Operator Name: Grenville Ronald Holland And Pamela Maria Holland  Operator Location: Not Supplied  Authority: Natural Resources Wales  Site Category: Metal Recycling Sites (Vehicle Dismantlers)  <b>Licence Status: Modified</b>  Issued: 20th October 2003  Last Modified: 14th May 2004  Expires: Not Supplied  Suspended: Not Supplied  Revoked: Not Supplied  Surrendered: Not Supplied  IPPC Reference: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A12NE (NW)	244	3	329349 369904

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
186	<b>Licensed Waste Management Facilities (Locations)</b> Licence Number: 37112 Location: Quay Business Park, Docks Road, Connahs Quay, Deeside, CH5 4DS Operator Name: Holland G & P (licence Superceded By 37249) Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Metal Recycling Sites (Mixed) <b>Licence Status: Modified</b> Issued: 17th April 1994 Last Modified: 26th May 2004 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	246	3	329349 369906
187	<b>Licensed Waste Management Facilities (Locations)</b> Licence Number: 37069 Location: Connah's Quay, Deeside, CH5 4DS Operator Name: Flintshire County Council Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Household Waste Amenity Sites <b>Licence Status: Modified</b> Issued: 21st June 1993 Last Modified: 29th January 2015 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SW (SE)	319	3	330114 369490
	<b>Local Authority Landfill Coverage</b> Name: Flintshire Council - Has supplied landfill data		0	2	329706 369693
188	<b>Local Authority Recorded Landfill Sites</b> Location: Dock Road, Connahs Quay Reference: Not Supplied Authority: Flintshire Council, Environmental Health Department <b>Last Reported Status: Closed</b> Types of Waste: Domestic, Commercial Date of Closure: Not Supplied Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Applicable	A13SE (E)	168	2	330000 369600
189	<b>Local Authority Recorded Landfill Sites</b> Location: Chapel Street, Connahs Quay Reference: Not Supplied Authority: Flintshire Council, Environmental Health Department <b>Last Reported Status: Unknown</b> Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Manually positioned within the geographical locality Boundary Quality: Not Applicable	A13SW (W)	209	2	329370 369600
190	<b>Local Authority Recorded Landfill Sites</b> Location: Dock Road, Connahs Quay Reference: Not Supplied Authority: Flintshire Council, Environmental Health Department <b>Last Reported Status: Unknown</b> Types of Waste: Industrial, Silica, Domestic Date of Closure: Not Supplied Positional Accuracy: Located by supplier to within 10m Boundary Quality: Not Applicable	A14SW (E)	258	2	330100 369600
191	<b>Local Authority Recorded Landfill Sites</b> Location: Former Reney'S Pit, Connahs Quay Reference: Not Supplied Authority: Flintshire Council, Environmental Health Department <b>Last Reported Status: Unknown</b> Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Applicable	A12SE (W)	355	2	329200 369600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
192	<b>Local Authority Recorded Landfill Sites</b> Location: Princes Pit, Connahs Quay Reference: Not Supplied Authority: Flintshire Council, Environmental Health Department <b>Last Reported Status: Unknown</b> Types of Waste: Domestic, Commercial, Industrial, Hazardous, Fertiliser Date of Closure: Not Supplied Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Applicable	A8NW (SW)	521	2	329400 369200
193	<b>Local Authority Recorded Landfill Sites</b> Location: Ryland Street, Shotton Reference: Not Supplied Authority: Flintshire Council, Environmental Health Department <b>Last Reported Status: Unknown</b> Types of Waste: Inert Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A9NE (SE)	845	2	330511 369118
194	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13NW (W)	91	-	329443 369703
195	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A12SE (W)	243	-	329324 369574
196	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A12SE (W)	270	-	329322 369562
197	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8NW (SW)	397	-	329517 369275
198	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8NW (SW)	456	-	329392 369275
199	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1882	A13NE (NE)	20	-	329768 369784
200	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1882	A13NW (NW)	20	-	329632 369755
201	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1882	A13NE (E)	138	-	330005 369694
202	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A13NW (NW)	147	-	329417 369834
203	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A13NE (E)	162	-	330002 369800
204	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A14NW (E)	206	-	330040 369821
205	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1882	A13NW (NW)	240	-	329395 369938
206	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1882	A13NW (NW)	268	-	329365 369951
207	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A13SW (SW)	326	-	329441 369403

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
208	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A12NE (W)	380	-	329149 369698
209	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1882	A17SE (NW)	416	-	329230 370029
210	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A12SE (W)	425	-	329177 369497
211	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A8NW (SW)	434	-	329397 369303
212	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A14SW (E)	471	-	330325 369601
213	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A9NW (SE)	471	-	330049 369175
214	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1882	A14SW (E)	473	-	330322 369582
215	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A8NE (SE)	478	-	330009 369145
216	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A8NE (S)	502	-	329717 369077
217	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1882	A18SE (N)	509	-	329891 370263
218	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A12SE (W)	514	-	329104 369445
219	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A12SW (W)	515	-	329018 369665
220	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A12SW (W)	542	-	328993 369650
221	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A8NE (SE)	549	-	329999 369062
222	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1914	A9NW (SE)	558	-	330178 369164
223	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A9NW (SE)	568	-	330190 369162
224	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A8SE (S)	576	-	329828 368997
225	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1882	A12NW (NW)	579	-	329013 370000
226	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1882	A18SE (NE)	590	-	330010 370297
227	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A14NE (NE)	609	-	330403 369999
228	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A14SE (E)	612	-	330477 369667

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
229	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1913	A12NW (W)	638	-	328904 369872
230	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A12NW (W)	665	-	328865 369782
231	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A9SW (SE)	711	-	330178 368972
232	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A9SW (SE)	720	-	330226 368994
233	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A7NE (SW)	742	-	329129 369110
234	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1882	A17SW (NW)	743	-	328975 370233
235	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A19SE (E)	764	-	330560 370032
236	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1954	A17SW (W)	773	-	328811 370025
237	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A12SW (W)	791	-	328754 369572
238	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1882	A14NE (E)	802	-	330668 369757
239	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1913	A8SE (S)	802	-	329896 368777
240	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1882	A14NE (E)	837	-	330673 369937
241	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A12SW (W)	844	-	328692 369620
242	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A11SE (W)	851	-	328679 369675
243	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A14SE (E)	856	-	330700 369515
244	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A8SW (S)	861	-	329647 368724
245	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A7SE (SW)	874	-	329055 369002
246	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1913	A11NE (W)	875	-	328673 369919
247	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A9NE (SE)	884	-	330521 369063
248	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1882	A19SE (E)	890	-	330678 370076
249	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A7SE (SW)	914	-	329255 368830

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
250	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A7NW (SW)	919	-	328913 369053
251	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1914	A9SE (SE)	982	-	330532 368920
252	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1913	A3NW (S)	982	-	329654 368600
253	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A7SE (SW)	998	-	329142 368799
254	<b>Registered Landfill Sites</b> Licence Holder: British Steel Plc Licence Reference: NOW-438-L (171/92) Site Location: Broken Bank Landfill Site No.2, Shotton, Deeside, Flintshire Licence Easting: 329300 Licence Northing: 370700 Operator Location: Strip Products, Shotton Works, Shotton, DEESIDE, Flintshire, CH5 2NH Authority: Environment Agency Wales, North Area Site Category: Landfill Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year) Waste Source: Only waste produced on site Restrictions: Status: Site not yet started Dated: 21st January 1993 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste Aluminium Bonded Asbestos Canteen Waste Cellulose Wastes (Natural/Synth.) Construction Ind. Wastes Excavated Natural Materials Ferrous Metal Scrap Ind.Eff. Treatment Sludge - Solid Cake Interceptor Pit Wastes Iron Compounds Non-Ferrous Metal Scrap Non-Haz.Contam.Rubbish/Bags/Sacks Non-Haz.Empty Used Containers Non-Haz.Used Filter Materials Office Waste Other Non-Toxic Metal Compounds Paint Waste Silt And Dredgings Slag, Boiler/Flue Cleanings Tar, Pitch, Bitumen, Asphalts Waste Treated Timber Prohibited Waste Aerosols Mat'L Contam.Above Cat.A Icrcl 59/83 Spec.Waste (Epa'90:S62/1996 Regs)N.O.S	A22SE (N)	987	4	329300 370700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
255	<p><b>Registered Waste Transfer Sites</b></p> <p>Licence Holder: A.D. Waste Ltd  Licence Reference: NOW-446-L (176/93)  Site Location: Dock Road C.A.Site, Connahs Quay, Deeside, Flintshire  Operator Location: 3 Hilliards Court, Chester Business Park, Wrexham Road, CHESTER, Cheshire, CH4 9QX  Authority: Environment Agency Wales, North Area  Site Category: Civic Amenity  Max Input Rate: Very Small (Less than 10,000 tonnes per year)  Waste Source: No known restriction on source of waste  Restrictions:  Licence Status: Operational as far as is knownOperational  Dated: 1st June 1993  Preceded By: Not Given  Licence:  Superseded By: Not Given  Licence:  Positional Accuracy: Manually positioned to the address or location  Boundary Quality: Not Supplied  Authorised Waste: Car Batteries  Commercial Waste  Construction And Demolition Wastes  Household Waste  Max.Waste Permitted By Licence  Waste Oil Form Households  Prohibited Waste: Agricultural Wastes  Any Clinical Wastes  Cement Asbestos  Contaminated Soils  Food Or Foodstuffs  Highly Putrescible Waste  Industrial Wastes  Liq/Sludge Other Than H'Hold Oil  Sewage/Sewage Sludge  Spec.Waste (Epa'90:S62/1996 Regs)  Waste N.O.S. (Pre-Packeged Or Not)  Waste With Flash Pt. &lt; 40 C</p>	A14SW (SE)	333	4	330120 369470
256	<p><b>Registered Waste Treatment or Disposal Sites</b></p> <p>Licence Holder: Stewart Williams  Licence Reference: NOW-430-L (191/94)  Site Location: Deeside Motorcycles, Plot 7; Dock Road Industrial Estate, Connahs Quay, DEESIDE, Flintshire, CH5 4BJ  Operator Location: 16 Kelsterton Road, Connahs Quay, Clwyd  Authority: Environment Agency Wales, North Area  Site Category: Scrapyard  Max Input Rate: Very Small (Less than 10,000 tonnes per year)  Waste Source: No known restriction on source of waste  Restrictions:  Licence Status: Operational as far as is knownOperational  Dated: 7th July 1994  Preceded By: Not Given  Licence:  Superseded By: Not Given  Licence:  Positional Accuracy: Manually positioned within the geographical locality  Boundary Quality: Not Supplied  Authorised Waste: Max.Storage In Licence  Max.Waste Permitted By Licence  Scrap Motorcycles &amp; Associated Parts  Prohibited Waste: Liquid Wastes  Spec.Waste (Epa'90:S62/1996 Regs)N.O.S  Waste N.O.S.Even Packaged/Pre-Treated</p>	A13NE (N)	21	4	329700 369800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
257	<p><b>Registered Waste Treatment or Disposal Sites</b></p> <p>Licence Holder: Deemet Ltd  Licence Reference: NOW-423-L (185/93)  Site Location: Deemet Ltd Site, Dock Road, Connahs Quay, Deeside, Flintshire, Ch5 4ds  Operator Location: As Site Address  Authority: Environment Agency Wales, North Area  Site Category: Scrapyard  Max Input Rate: Very Small (Less than 10,000 tonnes per year)  Waste Source: No known restriction on source of waste  Restrictions:  Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled  Dated: 27th October 1993  Preceded By: Not Given  Licence:  Superseded By: Not Given  Licence:  Positional Accuracy: Manually positioned to the address or location  Boundary Quality: Not Supplied  Authorised Waste: Batteries  Heavy Ferrous Metals  Light Ferrous Metals  Non-Ferrous Metals  Oils  Prohibited Waste: Drummed Waste  Liquid Wastes  Spec.Waste (Epa'90:S62/1996 Regs)N.O.S  Waste N.O.S.Even Packaged/Pre-Treated</p>	A13NE (E)	137	4	330000 369680
258	<p><b>Registered Waste Treatment or Disposal Sites</b></p> <p>Licence Holder: G &amp; P Holland  Licence Reference: NOW-429-L (193/94)  Site Location: Quay Business Park, Dock Road, Connahs Quay, DEESIDE, Flintshire, CH5 4DS  Operator Location: As Site Address  Authority: Environment Agency Wales, North Area  Site Category: Scrapyard  Max Input Rate: Very Small (Less than 10,000 tonnes per year)  Waste Source: No known restriction on source of waste  Restrictions:  Licence Status: Operational as far as is knownOperational  Dated: 7th July 1994  Preceded By: Not Given  Licence:  Superseded By: Not Given  Licence:  Positional Accuracy: Manually positioned to the road within the address or location  Boundary Quality: Not Supplied  Authorised Waste: Batteries  Heavy Ferrous Metals  Light Ferrous Metals  Max.Storage In Licence  Prohibited Waste: Liquid Wastes  Spec.Waste (Epa'90:S62/1996 Regs)N.O.S  Waste N.O.S.  Waste N.O.S. Even Packaged/Pre-Treat'D</p>	A12NE (NW)	312	4	329300 369950

## Hazardous Substances

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
259	<p><b>Control of Major Accident Hazards Sites (COMAH)</b></p> <p>Name: Tata Steel UK Limited            Location: Shotton Works, Weighbridge Road, Deeside Industrial Park, Deeside, Clwyd, CH5 2NH            Reference: Not Supplied            Type: Lower Tier  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NE (N)	841	6	329786 370624

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A13NE (W)	0	1	329706 369693
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic no data Concentration: Cadmium <1.8 mg/kg Concentration: Chromium no data Concentration: Lead Concentration: <100 mg/kg Nickel no data Concentration:	A13NE (N)	74	1	329714 369860
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SW (SW)	74	1	329632 369573
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SW (SW)	84	1	329584 369529
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A13NE (E)	133	1	330000 369693
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic no data Concentration: Cadmium <1.8 mg/kg Concentration: Chromium no data Concentration: Lead Concentration: <100 mg/kg Nickel no data Concentration:	A13NE (N)	168	1	329706 370000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (W)	220	1	329321 369661
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A18SE (N)	262	1	329736 370046
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SE (SE)	292	1	330000 369362
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (W)	292	1	329235 369720
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A18SW (NW)	372	1	329500 370112
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (W)	404	1	329138 369633

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: no data Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: no data Concentration: Lead Concentration: <100 mg/kg Nickel: no data Concentration:	A14SW (E)	448	1	330262 369500
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: <15 mg/kg Concentration:	A14SW (E)	465	1	330290 369518
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A9NW (SE)	468	1	330087 369206
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: <15 mg/kg Concentration:	A8NW (S)	562	1	329491 369099
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A12NW (W)	582	1	329000 369981
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A8SE (S)	594	1	329952 369000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (S)	624	1	329546 369000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SW (NW)	640	1	328953 370019
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NW (SE)	640	1	330254 369123
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9SW (SE)	729	1	330248 369000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	742	1	330024 368867
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9SW (SE)	755	1	330283 368995

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9SW (SE)	758	1	330259 368971
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (SW)	817	1	329000 369112
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic no data Concentration: Cadmium <1.8 mg/kg Concentration: Chromium no data Concentration: Lead Concentration: <100 mg/kg Nickel no data Concentration:	A17NE (NW)	853	1	329142 370500
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NE (SE)	865	1	330500 369066
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (W)	902	1	328687 369410
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A3NE (S)	987	1	329947 368597

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A3NE (S)	995	1	329917 368585
260	<b>BGS Recorded Mineral Sites</b> Site Name: Farfield Location: Connah'S Quay, Connah'S Quay, Flintshire Source: British Geological Survey, National Geoscience Information Service Reference: 133950 Type: Opencast <b>Status: Ceased</b> Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Quaternary Geology: Till, Devensian Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A13SW (W)	203	1	329365 369615
261	<b>BGS Recorded Mineral Sites</b> Site Name: Farfield Location: Connah'S Quay, Connah'S Quay, Flintshire Source: British Geological Survey, National Geoscience Information Service Reference: 133951 Type: Opencast <b>Status: Ceased</b> Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Quaternary Geology: Till, Devensian Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A12SE (W)	328	1	329208 369664
262	<b>BGS Recorded Mineral Sites</b> Site Name: Farfield Location: Connah'S Quay, Connah'S Quay, Flintshire Source: British Geological Survey, National Geoscience Information Service Reference: 134783 Type: Opencast <b>Status: Ceased</b> Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Gwespys Sandstone Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	553	1	329081 370062
	<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> Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13NE (W)	0	7	329706 369693
	<b>Mining Instability</b> Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NE (W)	0	-	329706 369693
	<b>Non Coal Mining Areas of Great Britain</b> Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NE (W)	0	1	329706 369693
	<b>Non Coal Mining Areas of Great Britain</b> Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	4	1	329530 369728
	<b>Non Coal Mining Areas of Great Britain</b> Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	133	1	330000 369693

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (W)	0	1	329706 369693
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	74	1	329632 369573
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	133	1	330000 369693
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (W)	0	1	329706 369693
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	32	1	329658 369611
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	67	1	329713 369852
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	74	1	329632 369573
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	133	1	330000 369693
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	143	1	330000 369763
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (W)	0	1	329706 369693
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	133	1	330000 369693
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (W)	0	1	329706 369693
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	133	1	330000 369693
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	250	1	329372 369934
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (W)	0	1	329706 369693
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	32	1	329658 369611
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	67	1	329713 369852
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	133	1	330000 369693
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	143	1	330000 369763
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A12NE (W)	208	1	329324 369777
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (W)	0	1	329706 369693

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	133	1	330000 369693
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A12NE (W)	208	1	329324 369777
	<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	A13NE (W)	0	1	329706 369693
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a Higher probability radon area (10 to 30% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	329600 369693
	<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	A13NE (W)	0	1	329706 369693
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: Full radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	329600 369693

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
263	<b>Contemporary Trade Directory Entries</b> Name: Ready Mixed Concrete Ltd Location: Dock Road, Connah's Quay, Deeside, Clwyd, CH5 4DS Classification: Concrete & Mortar Ready Mixed <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NE (E)	0	-	329795 369712
263	<b>Contemporary Trade Directory Entries</b> Name: G & P Holland Location: 2-3 Hollands Yard, Dock Road, Connah's Quay, Deeside, CH5 4DS Classification: Car Breakers & Dismantlers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NE (E)	0	-	329759 369688
263	<b>Contemporary Trade Directory Entries</b> Name: Ready Mixed Concrete (Wales) Ltd Location: Dock Road, Connah's Quay, Deeside, Clwyd, CH5 4DS Classification: Concrete & Mortar Ready Mixed <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NE (E)	0	-	329795 369712
263	<b>Contemporary Trade Directory Entries</b> Name: 28 Celsius Location: 32 Dock Rd, Connah'S Quay, Deeside, Clwyd, CH5 4DS Classification: Greeting Card Publishers & Wholesalers <b>Status: Inactive</b> Positional Accuracy: Manually positioned within the geographical locality	A13NE (E)	0	-	329795 369712
264	<b>Contemporary Trade Directory Entries</b> Name: A D R Van Rental Location: Connah'S Quay, Deeside, Clwyd, CH5 4DS Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Manually positioned within the geographical locality	A13NE (NE)	10	-	329758 369775
264	<b>Contemporary Trade Directory Entries</b> Name: Cheshire Crane Hire Location: Unit 10 Dock Road Industrial Estate, Connah'S Quay, Deeside, Clwyd, CH5 4DS Classification: Crane Hire, Sales & Service <b>Status: Active</b> Positional Accuracy: Manually positioned within the geographical locality	A13NE (NE)	30	-	329776 369788
264	<b>Contemporary Trade Directory Entries</b> Name: M & J Evans Ltd Location: 10c Industrial Estate, Dock Road, Connah'S Quay, Deeside, Clwyd, CH5 4DS Classification: Builders' Merchants <b>Status: Active</b> Positional Accuracy: Manually positioned within the geographical locality	A13NE (NE)	30	-	329776 369788
264	<b>Contemporary Trade Directory Entries</b> Name: Hawk Motor Co Location: Unit 6 Dock Road Indust Est, Deeside, Flintshire, CH5 4DS Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Manually positioned within the geographical locality	A13NE (NE)	44	-	329762 369811
264	<b>Contemporary Trade Directory Entries</b> Name: N W H Engineering Location: Unit 22 Dock Rd, Connah's Quay, Deeside, Clwyd, CH5 4DS Classification: Motor Cycle & Component Manufacturers <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the road within the address or location	A13NE (NE)	54	-	329791 369807
265	<b>Contemporary Trade Directory Entries</b> Name: Deemet Ltd Location: Dock Road Trading Est, Dock Rd, Connah's Quay, Deeside, Flintshire, CH5 4DS Classification: Car Breakers & Dismantlers <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the road within the address or location	A13NE (E)	10	-	329842 369734
265	<b>Contemporary Trade Directory Entries</b> Name: Bedford Stainless Location: 11, Dock Road, Connah's Quay, Deeside, Clwyd, CH5 4DS Classification: Stainless Steel Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NE (NE)	30	-	329834 369761

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
266	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Deeside Motor Centre Ltd            Location: 266-268, High Street, Connah's Quay, DEESIDE, Clwyd, CH5 4DJ            Classification: Car Dealers  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A13SW (SW)	44	-	329603 369634
267	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Marland Marine Services            Location: Simons Yard, Dock Road, Connah's Quay, Deeside, CH5 4DS            Classification: Marine Equipment &amp; Supplies  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A13NW (N)	49	-	329672 369809
268	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Steves Professional Services            Location: 306b, High Street, Connah's Quay, Deeside, Clwyd, CH5 4DP            Classification: Distribution Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A13NW (W)	58	-	329492 369692
269	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Riverside Hardware            Location: 4a Dock Rd, Deeside, Flintshire, CH5 4DS            Classification: Builders' Merchants  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the address or location</p>	A13NW (NW)	71	-	329530 369812
269	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Tyresave            Location: 4-6, Dock Road, Connah's Quay, DEESIDE, Clwyd, CH5 4DS            Classification: Tyre Dealers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A13NW (NW)	72	-	329530 369813
269	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Car Save            Location: 4-6, Dock Road, Connah's Quay, Deeside, Clwyd, CH5 4DS            Classification: Car Dealers - Used  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A13NW (NW)	72	-	329530 369813
269	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Mot &amp; Repair Centre            Location: 4b, Dock Road, Connah's Quay, Deeside, Clwyd, CH5 4DS            Classification: Garage Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A13NW (NW)	83	-	329547 369822
270	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Five Star Fencing            Location: Dock Rd, Connah's Quay, Deeside, Clwyd, CH5 4DS            Classification: Fencing Manufacturers  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A13NE (N)	74	-	329746 369852
271	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Trakspares Motor Cycle Parts            Location: 242, High Street, Connah's Quay, Deeside, Clwyd, CH5 4DH            Classification: Cycle Accessories, Manufacturers &amp; Wholesalers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A13SE (S)	76	-	329716 369530
272	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: G J M Engineering            Location: Dock Road, Connah's Quay, Deeside, Clwyd, CH5 4DS            Classification: Engineering Services  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A13NE (E)	77	-	329944 369712
272	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: M &amp; J Performance Engineering            Location: Dacs Ltd, 14, Dock Road, Connahs Quay, CH5 4DS            Classification: Garage Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A13NE (E)	107	-	329972 369731
273	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Deeside Automation Control Systems Ltd            Location: Dock rd, Connah's Quay, Deeside, Clwyd, CH5 4DS            Classification: Electrical Engineers  <b>Status: Active</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A13NW (N)	77	-	329688 369858

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
273	<b>Contemporary Trade Directory Entries</b> Name: Golftyn Tyre Service Location: Unit 5 Dock Rd, Connah's Quay, Deeside, Flintshire, CH5 4DS Classification: Tyre Dealers <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the road within the address or location	A13NW (N)	96	-	329658 369863
274	<b>Contemporary Trade Directory Entries</b> Name: Quay Fencing Location: Dock Road, Connah's Quay, Deeside, Clwyd, CH5 4DS Classification: Fencing Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NW (NW)	94	-	329636 369837
274	<b>Contemporary Trade Directory Entries</b> Name: E Burke Location: Dock Road, Connah's Quay, Deeside, Clwyd, CH5 4DS Classification: Plant & Machinery Repairs <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NW (NW)	116	-	329594 369844
274	<b>Contemporary Trade Directory Entries</b> Name: Icam Engineering Ltd Location: Dock Road, Connah's Quay, Deeside, CH5 4DS Classification: Machine Shops <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A13NW (NW)	123	-	329576 369856
275	<b>Contemporary Trade Directory Entries</b> Name: M C Supplies Location: 267, High Street, Connah's Quay, Deeside, Clwyd, CH5 4DJ Classification: Builders' Merchants <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13SW (SW)	97	-	329585 369584
275	<b>Contemporary Trade Directory Entries</b> Name: M C Supplies Location: 267, High Street, Connah's Quay, Deeside, Clwyd, CH5 4DJ Classification: Hardware <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13SW (SW)	97	-	329585 369584
275	<b>Contemporary Trade Directory Entries</b> Name: A & L Trade Frames Ltd Location: 267a, High Street, Connah's Quay, Deeside, CH5 4DJ Classification: PVC-U Products - Manufacturers & Suppliers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13SW (SW)	97	-	329584 369584
276	<b>Contemporary Trade Directory Entries</b> Name: Willprint Location: 2, Dock Road, Connah's Quay, Deeside, Clwyd, CH5 4DS Classification: Printers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NW (W)	98	-	329430 369737
276	<b>Contemporary Trade Directory Entries</b> Name: Willprint Location: 2, Dock Road, Connah's Quay, Deeside, Clwyd, CH5 4DS Classification: Printers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A13NW (W)	98	-	329430 369737
277	<b>Contemporary Trade Directory Entries</b> Name: E & A Hammond Location: 1 Riverside Buildings, Dock Road, Connah's Quay, Deeside, CH5 4DS Classification: Engine Rebuilding & Reconditioning <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A13NW (NW)	128	-	329441 369832
277	<b>Contemporary Trade Directory Entries</b> Name: T L C Location: 1, Dock Road, Connah's Quay, Deeside, Clwyd, CH5 4DS Classification: Thermometers & Thermostats <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NW (NW)	130	-	329439 369833

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
277	<b>Contemporary Trade Directory Entries</b> Name: T M C Hallcrest Location: 1, Riverside Buildings, Dock Road, Connah's Quay, Deeside, Clwyd, CH5 4DS Classification: Temperature Monitoring Systems Manufacturers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A13NW (NW)	130	-	329439 369833
277	<b>Contemporary Trade Directory Entries</b> Name: Quayside Tyres Location: UNIT 5,Riverside Buildings,Dock Rd, Connah's Quay, Deeside, Clwyd, CH5 4DS Classification: Tyre Dealers <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	132	-	329471 369858
277	<b>Contemporary Trade Directory Entries</b> Name: H & M Taylor Location: Dock Rd, Connah's Quay, Deeside, Clwyd, CH5 4DS Classification: Coal & Smokeless Fuel Merchants & Distributors <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NW (NW)	169	-	329395 369841
277	<b>Contemporary Trade Directory Entries</b> Name: L C R Hallcrest Location: Riverside Buildings, Dock Road, Connah's Quay, Deeside, Clwyd, CH5 4DS Classification: Temperature Monitoring Systems Manufacturers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A13NW (NW)	175	-	329417 369874
278	<b>Contemporary Trade Directory Entries</b> Name: Duti Cleaning Services Location: 10, Stone Row, Connah's Quay, Deeside, Clwyd, CH5 4DY Classification: Commercial Cleaning Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12NE (W)	208	-	329321 369751
279	<b>Contemporary Trade Directory Entries</b> Name: K S Davies & Sons Location: Maude Street, Connah's Quay, Deeside, Clwyd, CH5 4EQ Classification: Coal & Smokeless Fuel Merchants & Distributors <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13SE (SE)	259	-	329961 369372
280	<b>Contemporary Trade Directory Entries</b> Name: Central Dairies North Wales Location: 2, Rosehill Court, Mold Road, Connah's Quay, Deeside, Clwyd, CH5 4NL Classification: Dairies <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A8NE (SE)	293	-	329911 369303
281	<b>Contemporary Trade Directory Entries</b> Name: Quay Home Heating Centre Location: 116, High Street, Connah's Quay, Deeside, Clwyd, CH5 4DF Classification: Heating Equipment - Sales & Service <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A8NE (SE)	320	-	330001 369326
281	<b>Contemporary Trade Directory Entries</b> Name: Quay Fencing Location: High St, Connah'S Quay, Deeside, Clwyd, CH5 4DF Classification: Fencing Manufacturers <b>Status: Inactive</b> Positional Accuracy: Manually positioned within the geographical locality	A8NE (SE)	344	-	330018 369309
282	<b>Contemporary Trade Directory Entries</b> Name: Arrow Electrical & Plumbing Services Ltd Location: Unit 3 Tuebrook House,Charmleys Lane, Shotton, Deeside, Clwyd, CH5 1EB Classification: Boilers - Servicing, Replacements & Repairs <b>Status: Active</b> Positional Accuracy: Manually positioned to the address or location	A8NE (SE)	373	-	330024 369276
282	<b>Contemporary Trade Directory Entries</b> Name: Arrow Electrical Ltd Location: 113, High Street, Connah's Quay, Deeside, Clwyd, CH5 4DF Classification: Domestic Appliances - Servicing, Repairs & Parts <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A8NE (SE)	376	-	330022 369272

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
283	<b>Contemporary Trade Directory Entries</b> Name: The Car Body Shop Location: Breeze Hill, Connah's Quay, Deeside, Flintshire, CH5 4NU Classification: Car Body Repairs <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the road within the address or location	A8NE (S)	375	-	329904 369214
284	<b>Contemporary Trade Directory Entries</b> Name: Rainwaters Location: 20, Pinewood Avenue, Connah's Quay, Deeside, Clwyd, CH5 4SQ Classification: Fascias and Soffits <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12SE (SW)	392	-	329323 369403
285	<b>Contemporary Trade Directory Entries</b> Name: Saxo Nutz Co Uk Location: 30, Dock Road, Connah's Quay, Deeside, Clwyd, CH5 4DS Classification: Car Dealers <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the address or location	A14SW (SE)	414	-	330180 369410
285	<b>Contemporary Trade Directory Entries</b> Name: Saxo Nutz Location: 30, Dock Road, Connah's Quay, Deeside, Clwyd, CH5 4DS Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A14SW (SE)	414	-	330181 369411
285	<b>Contemporary Trade Directory Entries</b> Name: Deetec Auto Repairs Location: Unit 21, Dock Rd, Connah'S Quay, Deeside, Clwyd, CH5 4DS Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the address or location	A14SW (SE)	426	-	330205 369433
285	<b>Contemporary Trade Directory Entries</b> Name: Tyresave Location: 4-6, Dock Road, Connah's Quay, Deeside, Clwyd, CH5 4DS Classification: Tyre Dealers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A14SW (SE)	426	-	330205 369433
285	<b>Contemporary Trade Directory Entries</b> Name: Golflyn Tyre Service Location: 21, Dock Road, Connah's Quay, Deeside, Clwyd, CH5 4DS Classification: Tyre Dealers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A14SW (SE)	426	-	330205 369433
285	<b>Contemporary Trade Directory Entries</b> Name: Evm Location: 34, Dock Road, Connah's Quay, Deeside, Clwyd, CH5 4DS Classification: Car Breakdown & Recovery Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A14SW (SE)	447	-	330209 369395
285	<b>Contemporary Trade Directory Entries</b> Name: Automotive Dipping Uk Location: 34, Dock Road, Connah's Quay, Deeside, Clwyd, CH5 4DS Classification: Car Body Repairs <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A14SW (SE)	447	-	330209 369395
286	<b>Contemporary Trade Directory Entries</b> Name: Evergreen Dry Cleaners Location: 86, High Street, Connah's Quay, DEESIDE, Clwyd, CH5 4DD Classification: Dry Cleaners <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A9NW (SE)	429	-	330089 369258
286	<b>Contemporary Trade Directory Entries</b> Name: C D Blackwell Car Repairs Location: UNIT 3 SPRING STREET, Connah's Quay, Deeside, Clwyd, CH5 4DD Classification: Car Body Repairs <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the road within the address or location	A9NW (SE)	444	-	330130 369278
287	<b>Contemporary Trade Directory Entries</b> Name: Blackwell Car Repairs Location: Unit 3 Spring St, Connah's Quay, Deeside, Flintshire, CH5 4EL Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the road within the address or location	A9NW (SE)	443	-	330145 369297

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
288	<b>Contemporary Trade Directory Entries</b> Name: Pet Save Location: Dee Rd, Connah's Quay, Deeside, Flintshire, CH5 4NX Classification: Pet Foods & Animal Feeds <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the road within the address or location	A8NE (S)	445	-	329863 369133
289	<b>Contemporary Trade Directory Entries</b> Name: Autotune Location: 2, Derwen Close, Connah's Quay, Deeside, Clwyd, CH5 4AU Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12NE (W)	473	-	329055 369746
290	<b>Contemporary Trade Directory Entries</b> Name: Ewloe Traders Ltd Location: 76, High Street, Connah's Quay, Deeside, Clwyd, CH5 4DD Classification: Pallets, Crates & Packing Cases <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9NW (SE)	478	-	330129 369228
291	<b>Contemporary Trade Directory Entries</b> Name: Colin Berry Location: 4, High Street, Connah's Quay, Deeside, Clwyd, CH5 4DA Classification: Engine Rebuilding & Reconditioning <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9NW (SE)	666	-	330289 369122
292	<b>Contemporary Trade Directory Entries</b> Name: Dragon Gates & Electrical Location: Tudor Lodge, Quarry Lane, Connah's Quay, Deeside, Clwyd, CH5 4PG Classification: Gate Manufacturers - Automated <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A8SW (S)	711	-	329496 368927
293	<b>Contemporary Trade Directory Entries</b> Name: Oasis Auto Centre Location: Cross Keys, Church Street, Connah's Quay, Deeside, Clwyd, CH5 4AJ Classification: Car Dealers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	796	-	328822 370104
293	<b>Contemporary Trade Directory Entries</b> Name: Oasis Auto Centre Location: Cross Keys, Church Street, Connah's Quay, Deeside, CH5 4AJ Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	796	-	328822 370104
294	<b>Contemporary Trade Directory Entries</b> Name: Multiserv Group Ltd Location: Operations Cenetre, Care Of Corus, Deeside Ind Pk, Deeside, Clwyd, CH5 2NH Classification: Distribution Services <b>Status: Inactive</b> Positional Accuracy: Manually positioned within the geographical locality	A18NE (N)	815	-	329810 370595
294	<b>Contemporary Trade Directory Entries</b> Name: Runtch Location: Shotton Works, Weighbridge Road, Deeside Industrial Park, Deeside, CH5 2NH Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A18NE (N)	841	-	329785 370623
294	<b>Contemporary Trade Directory Entries</b> Name: Panels & Profiles Location: Shotton Works, Weighbridge Road, Deeside Industrial Park, Deeside, CH5 2NH Classification: Cladding Suppliers & Installers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A18NE (N)	841	-	329785 370623
294	<b>Contemporary Trade Directory Entries</b> Name: Tata Steel Location: Shotton Works, Weighbridge Road, Deeside Industrial Park, Deeside, CH5 2NH Classification: Coating Specialists <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A18NE (N)	841	-	329785 370623

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
294	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Carline Transport Ltd            Location: Shotton Works, Weighbridge Road, Deeside Industrial Park, Deeside, Clwyd, CH5 2NH            Classification: Road Haulage Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NE (N)	841	-	329786 370624
294	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: M J Maillis            Location: Shotton Works, Weighbridge Road, Deeside Industrial Park, Deeside, Clwyd, CH5 2NH            Classification: Packaging &amp; Wrapping Equipment &amp; Supplies  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NE (N)	841	-	329786 370624
294	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Faber Prest Steel Distribution            Location: Shotton Works, Weighbridge Road, Deeside Industrial Park, Deeside, Clwyd, CH5 2NH            Classification: Road Haulage Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NE (N)	841	-	329786 370624
294	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Exova            Location: Shotton Works, Weighbridge Road, Deeside Industrial Park, Deeside, CH5 2NH            Classification: Engineering Services  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NE (N)	841	-	329785 370623
294	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Brambles Industrial Services Ltd            Location: Shotton Works, Weighbridge Road, Deeside Industrial Park, Deeside, Clwyd, CH5 2NH            Classification: Commercial Cleaning Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NE (N)	842	-	329786 370624
295	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: C O 2 Services            Location: Bumble Bee Garage, Church Street, Connah'S Quay, Deeside, Clwyd, CH5 4AR            Classification: Gas Suppliers  <b>Status: Active</b>            Positional Accuracy: Manually positioned within the geographical locality</p>	A17SW (NW)	824	-	328815 370150
295	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Capricorn Car Sales            Location: Bumble Bee Garage, Church Street, Connah's Quay, Deeside, Clwyd, CH5 4AR            Classification: Car Dealers - Used  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A17SW (NW)	825	-	328815 370150
295	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: North West Propane            Location: Church Street, Connah's Quay, Deeside, Clwyd, CH5 4AR            Classification: Gas Suppliers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A17SW (NW)	831	-	328816 370164
295	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: C O 2 Services            Location: Church Street, Connah's Quay, Deeside, Clwyd, CH5 4AR            Classification: Brewers' Equipment &amp; Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A17SW (NW)	831	-	328816 370164
295	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Emrys Jones Motor Services            Location: Bumble Bee Garage, Church Street, Connah's Quay, DEESIDE, Clwyd, CH5 4AR            Classification: Mot Testing Centres  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A17SW (NW)	831	-	328816 370164

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
295	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Emrys Jones            Location: Bumble Bee Garage, Church Street, Connah's Quay, Deeside, Clwyd, CH5 4AR            Classification: Garage Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A17SW (NW)	831	-	328816 370164
295	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: C O 2 Services            Location: Church Street, Connah's Quay, Deeside, CH5 4AR            Classification: Brewers' Equipment &amp; Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A17SW (NW)	852	-	328802 370182
296	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Aqua Projects            Location: 2, Wine Cup Cottages, Brook Road, Shotton, Deeside, Clwyd, CH5 1HJ            Classification: Swimming Pool Contractors, Repairers &amp; Service  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	832	-	330216 368855
297	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: M &amp; J Copier Services            Location: 132, Dee Road, Connah's Quay, Deeside, Clwyd, CH5 4PA            Classification: Photocopiers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A8SW (S)	832	-	329432 368823
298	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Secondhandheaven            Location: 82b Chester Road West, Shotton, Deeside, Clwyd, CH5 1BZ            Classification: Waste Disposal Services  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned within the geographical locality</p>	A9NE (SE)	849	-	330447 369025
298	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Q Medical Science            Location: 91, Chester Road West, Shotton, Deeside, Clwyd, CH5 1BZ            Classification: Medical Equipment Manufacturers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned in the proximity of the address</p>	A9NE (SE)	852	-	330443 369016
298	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Allsorts Recycling &amp; Appliance Repairs            Location: 82, Chester Road West, Shotton, Deeside, CH5 1BZ            Classification: Domestic Appliances - Servicing, Repairs &amp; Parts  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A9NE (SE)	862	-	330458 369018
298	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Essence Of Life            Location: 80, Chester Road West, Shotton, Deeside, Clwyd, CH5 1BZ            Classification: Candle Manufacturers &amp; Suppliers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A9NE (SE)	867	-	330462 369016
298	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: T J Butler Electronics            Location: 65, Chester Road West, Shotton, Deeside, Clwyd, CH5 1BZ            Classification: Electrical Goods Sales, Manufacturers &amp; Wholesalers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A9SE (SE)	892	-	330460 368975
299	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Dacs Ltd            Location: Old Fire Station, Church Street, Connah's Quay, Deeside, Clwyd, CH5 4AS            Classification: Electrical Engineers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A17SW (NW)	873	-	328743 370118
300	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: G &amp; S Window Systems            Location: 14, Thornfield Avenue, Connah's Quay, Deeside, CH5 4HX            Classification: Window Frame Manufacturers  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A8SW (S)	876	-	329588 368721

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
301	<b>Contemporary Trade Directory Entries</b> Name: Quay Location: Church Street, Connah's Quay, Deeside, Clwyd, CH5 4AS Classification: Petrol Filling Stations - 24 Hour <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	941	-	328690 370165
302	<b>Contemporary Trade Directory Entries</b> Name: Clwyd Photo Services Location: 2a, Ryeland Street, Shotton, Deeside, Clwyd, CH5 1DT Classification: Photographic Processors <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9SE (SE)	942	-	330544 368997
302	<b>Contemporary Trade Directory Entries</b> Name: Power Plus Retail Ltd Location: 58, Chester Road West, Shotton, Deeside, Clwyd, CH5 1BY Classification: Electrical Goods Sales, Manufacturers & Wholesalers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9SE (SE)	945	-	330530 368975
303	<b>Contemporary Trade Directory Entries</b> Name: Chipsaway Location: 1, Marlowe Avenue, Connah's Quay, Deeside, Clwyd, CH5 4HS Classification: Car Body Repairs <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A3NE (S)	964	-	329746 368609
304	<b>Contemporary Trade Directory Entries</b> Name: Grs Recycling Location: 25, York Road, Connah's Quay, Deeside, Clwyd, CH5 4YE Classification: Recycling Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A11NE (W)	982	-	328562 369915
305	<b>Contemporary Trade Directory Entries</b> Name: Ovenclean Location: 7 Plymouth St, Shotton, Deeside, Clwyd, CH5 1JA Classification: Oven cleaning <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the road within the address or location	A9SE (SE)	998	-	330516 368880
306	<b>Fuel Station Entries</b> Name: Bumble Bee Garage Location: Church Street, Connah's Quay, Deeside, Flintshire, CH5 4AR Brand: Obsolete Premises Type: Not Applicable <b>Status: Obsolete</b> Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	743	-	328876 370092
307	<b>Fuel Station Entries</b> Name: Quay Service Station Location: Church Street, Connah's Quay, Deeside, Flintshire, CH5 4AS Brand: ESSO Premises Type: Petrol Station <b>Status: Open</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	941	-	328690 370165
308	<b>Fuel Station Entries</b> Name: Golftyn Service Station Location: Church Street, Connah's Quay, Deeside, Flintshire, CH5 4AS Brand: Obsolete Premises Type: Not Applicable <b>Status: Obsolete</b> Positional Accuracy: Located by supplier to within 10m	A16SE (NW)	970	-	328646 370140
309	<b>Points of Interest - Commercial Services</b> Name: Deeside Motor Centre Ltd Location: 266 High Street, Connah's Quay, Deeside, CH5 4DJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SW (SW)	44	8	329603 369634
309	<b>Points of Interest - Commercial Services</b> Name: Deeside Motor Centre Ltd Location: 266-268 High Street, Connah's Quay, Deeside, CH5 4DJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SW (SW)	44	8	329603 369634

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
310	<b>Points of Interest - Commercial Services</b> Name: A D R Van Rental Location: 11 Dock Road, Connah's Quay, Deeside, CH5 4DS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NE (NE)	62	8	329808 369808
311	<b>Points of Interest - Commercial Services</b> Name: Lee's M O T's Ltd Location: 4b Dock Road, Connah's Quay, Deeside, CH5 4DS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (NW)	83	8	329547 369822
311	<b>Points of Interest - Commercial Services</b> Name: MOT & Repair Centre Location: 4b Dock Road, Connah's Quay, Deeside, CH5 4DS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (NW)	83	8	329547 369822
311	<b>Points of Interest - Commercial Services</b> Name: Chapman's Garage Location: 4b Dock Road, Connah's Quay, Deeside, CH5 4DS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (NW)	83	8	329547 369822
311	<b>Points of Interest - Commercial Services</b> Name: MOT & Repair Centre Location: 4b Dock Road, Connah's Quay, Deeside, CH5 4DS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (NW)	83	8	329547 369822
311	<b>Points of Interest - Commercial Services</b> Name: D M A Car Repairs Location: Unit 4 Riverside Park, Dock Road, Connah's Quay, Deeside, CH5 4DS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (NW)	125	8	329463 369846
311	<b>Points of Interest - Commercial Services</b> Name: Cooper Motor Repairs Location: Riverside Buildings 7, Dock Road, Connah's Quay, Deeside, CH5 4DS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (NW)	138	8	329478 369868
312	<b>Points of Interest - Commercial Services</b> Name: D C S Car Repairs & MOT Location: 2 Dock Road, Connah's Quay, Deeside, Clwyd, CH5 4DS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (W)	101	8	329428 369749
312	<b>Points of Interest - Commercial Services</b> Name: E & J Hammond Location: 1 Riverside Buildings, Dock Road, Connah's Quay, Deeside, CH5 4DS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (NW)	130	8	329439 369833
312	<b>Points of Interest - Commercial Services</b> Name: E & A Hammond Location: 1 Riverside Park, Dock Road, Connah's Quay, Deeside, CH5 4DS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (NW)	130	8	329439 369833
313	<b>Points of Interest - Commercial Services</b> Name: wecoolanycar.com Location: 29 Dock Road, Connah's Quay, Deeside, CH5 4DS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SW (SE)	414	8	330180 369410
313	<b>Points of Interest - Commercial Services</b> Name: Saxo Nutz Location: 30 Dock Road, Connah's Quay, Deeside, CH5 4DS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SW (SE)	414	8	330181 369411

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
313	<b>Points of Interest - Commercial Services</b> Name: We Cool Any Car Com Location: 29 Dock Road, Connah's Quay, Deeside, CH5 4DS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SW (SE)	414	8	330181 369411
313	<b>Points of Interest - Commercial Services</b> Name: We Cool Any Car Com Location: 29 Dock Road, Connah's Quay, Deeside, CH5 4DS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SW (SE)	414	8	330181 369411
313	<b>Points of Interest - Commercial Services</b> Name: Deetec Location: Unit 21 Dock Road, Connah's Quay, Deeside, CH5 4DS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SW (SE)	426	8	330205 369433
313	<b>Points of Interest - Commercial Services</b> Name: J D T Autos Location: Unit 35, Dock Road, Connah's Quay, Deeside, CH5 4DS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SW (SE)	445	8	330209 369399
313	<b>Points of Interest - Commercial Services</b> Name: Evm Location: 34 Dock Road, Connah's Quay, Deeside, CH5 4DS Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A14SW (SE)	447	8	330209 369395
314	<b>Points of Interest - Commercial Services</b> Name: C D Blackwell Car Repairs Location: High Street, Connah's Quay, Deeside, CH5 4DD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	448	8	330148 369292
315	<b>Points of Interest - Commercial Services</b> Name: Autotune Location: 2 Derwen Close, Connah's Quay, Deeside, CH5 4AU Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12NE (W)	473	8	329055 369746
315	<b>Points of Interest - Commercial Services</b> Name: Autotune Location: 2 Derwen Close, Connah's Quay, Deeside, CH5 4AU Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12NE (W)	473	8	329055 369746
316	<b>Points of Interest - Commercial Services</b> Name: Colin Berry Location: 4 High Street, Connah's Quay, Deeside, CH5 4DA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	666	8	330289 369122
316	<b>Points of Interest - Commercial Services</b> Name: Colin Berry Engineering Location: 4 High Street, Connah's Quay, Deeside, CH5 4DA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	666	8	330289 369122
317	<b>Points of Interest - Commercial Services</b> Name: Willowmere Car & Commercials Ltd Location: 2 Willow Court, Connah's Quay, Deeside, CH5 4YU Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12NW (W)	681	8	328907 370016
318	<b>Points of Interest - Commercial Services</b> Name: Emys Jones Location: Bumble Bee Garage, Church Street, Connah's Quay, Deeside, CH5 4AR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	831	8	328816 370164

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
318	<b>Points of Interest - Commercial Services</b> Name: Emrys Jones Location: Bumble Bee Garage, Church Street, Connah's Quay, Deeside, CH5 4AR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	831	8	328816 370164
318	<b>Points of Interest - Commercial Services</b> Name: Emrys Jones Motor Services Location: Bumble Bee Garage, Church Street, Connah's Quay, Deeside, CH5 4AR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	831	8	328815 370164
318	<b>Points of Interest - Commercial Services</b> Name: Emrys Jones Moter Services Location: Bumble Bee Garage, Church Street, Connah's Quay, Deeside, CH5 4AR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	831	8	328816 370164
319	<b>Points of Interest - Commercial Services</b> Name: Runtech Location: Shotton Works, Weighbridge Road, Deeside Industrial Park, Deeside, CH5 2NH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	841	8	329785 370623
319	<b>Points of Interest - Commercial Services</b> Name: Carline Transport Ltd Location: Shotton Works, Weighbridge Road, Deeside Industrial Park, Deeside, CH5 2NH Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18NE (N)	841	8	329786 370624
319	<b>Points of Interest - Commercial Services</b> Name: Harsco Logistics Location: Shotton Steel Works, Deeside Industrial Park, Deeside, Clwyd, CH5 2NH Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18NE (N)	842	8	329786 370624
320	<b>Points of Interest - Commercial Services</b> Name: Quay Service Station Location: Church Street, Connah's Quay, Deeside, CH5 4AS Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A17SW (NW)	941	8	328690 370164
320	<b>Points of Interest - Commercial Services</b> Name: Car Wash Location: Church Street, Connah's Quay, Deeside, CH5 4AS Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A17SW (NW)	941	8	328690 370165
321	<b>Points of Interest - Commercial Services</b> Name: Grs Recycling Location: 25 York Road, Connah's Quay, Deeside, CH5 4YE Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A11NE (W)	982	8	328562 369915
322	<b>Points of Interest - Manufacturing and Production</b> Name: Wks Location: CH5 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SE (S)	0	8	329705 369672
323	<b>Points of Interest - Manufacturing and Production</b> Name: Industrial Estate Location: CH5 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	46	8	329762 369813

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
324	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (E)	58	8	329893 369762
325	<b>Points of Interest - Manufacturing and Production</b> Name: Industrial Estate Location: CH5 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	113	8	329457 369826
326	<b>Points of Interest - Manufacturing and Production</b> Name: Quay Business Park Location: CH5 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A12NE (NW)	314	8	329280 369929
327	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18SE (NE)	399	8	330018 370081
327	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A19SW (NE)	411	8	330063 370072
327	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A19SW (NE)	416	8	330064 370077
327	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A19SW (NE)	421	8	330066 370082
327	<b>Points of Interest - Manufacturing and Production</b> Name: Tanks Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	424	8	330084 370075
327	<b>Points of Interest - Manufacturing and Production</b> Name: Tanks Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18SE (NE)	428	8	330019 370113
327	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A19SW (NE)	436	8	330045 370109
327	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SE (NE)	438	8	330020 370124
327	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SE (NE)	438	8	330014 370126

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
327	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A19SW (NE)	444	8	330048 370116
327	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A19SW (NE)	450	8	330040 370127
327	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A19SW (NE)	451	8	330046 370125
327	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SE (NE)	451	8	330031 370133
328	<b>Points of Interest - Manufacturing and Production</b> Name: Workshops Location: CH5 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SW (SE)	410	8	330180 369419
328	<b>Points of Interest - Manufacturing and Production</b> Name: Dock Road Workshops Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SW (SE)	414	8	330186 369421
329	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SE (NE)	431	8	329964 370143
329	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SE (NE)	436	8	329980 370140
329	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SE (NE)	436	8	329995 370133
329	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SE (NE)	436	8	329986 370137
329	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SE (NE)	438	8	330007 370130
329	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SE (NE)	441	8	330003 370135

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
329	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SE (NE)	443	8	329970 370153
329	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SE (NE)	445	8	329989 370146
329	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SE (NE)	445	8	329980 370150
329	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SE (NE)	450	8	330019 370137
330	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SE (N)	438	8	329818 370211
330	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SE (N)	443	8	329803 370219
330	<b>Points of Interest - Manufacturing and Production</b> Name: Tanks Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	444	8	329835 370213
330	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SE (N)	445	8	329805 370221
330	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SE (N)	448	8	329807 370224
330	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SE (N)	452	8	329823 370224
331	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A19SW (NE)	495	8	330234 370043
331	<b>Points of Interest - Manufacturing and Production</b> Name: Tanks Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	502	8	330245 370041

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
332	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	719	8	329450 370455
333	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	781	8	329660 370564
333	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: CH5 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	782	8	329660 370565
334	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	808	8	329839 370584
334	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	884	8	329834 370661
335	<b>Points of Interest - Manufacturing and Production</b> Name: Tanks Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A19NW (N)	875	8	330067 370586
335	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A19NW (NE)	882	8	330080 370588
335	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A19NW (NE)	887	8	330080 370593
336	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A19NW (NE)	878	8	330218 370516
337	<b>Points of Interest - Manufacturing and Production</b> Name: Tanks Location: CH5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A19NE (NE)	896	8	330451 370390
338	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A19NE (NE)	992	8	330572 370408
338	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: CH5 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A19NE (NE)	992	8	330572 370408

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
339	<b>Points of Interest - Public Infrastructure</b> Name: Amenity Site Location: CH5 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A14SW (SE)	332	8	330119 369471
340	<b>Points of Interest - Public Infrastructure</b> Name: Sludge Bed Location: CH5 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	548	8	330379 369516
341	<b>Points of Interest - Public Infrastructure</b> Name: Sewage Works Location: CH5 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A14SW (SE)	555	8	330338 369411
341	<b>Points of Interest - Public Infrastructure</b> Name: Sludge Bed Location: CH5 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	559	8	330364 369456
342	<b>Points of Interest - Public Infrastructure</b> Name: Deeside Police Station Location: Police Station, Wepre Drive, Connah's Quay, Deeside, CH5 4HA Category: Central and Local Government Class Code: Police Stations Positional Accuracy: Positioned to address or location	A9NW (SE)	632	8	330102 369020
343	<b>Points of Interest - Public Infrastructure</b> Name: Cemetery Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	796	8	328732 369712
343	<b>Points of Interest - Public Infrastructure</b> Name: Cemetery Location: CH5 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	796	8	328732 369711
344	<b>Points of Interest - Public Infrastructure</b> Name: Esso Location: Church Street, Connah's Quay, Deeside, CH5 4AS Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A17SW (NW)	941	8	328690 370165
344	<b>Points of Interest - Public Infrastructure</b> Name: Quay Service Station Location: Church Street, Connah's Quay, Deeside, CH5 4AS Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A17SW (NW)	941	8	328690 370165
344	<b>Points of Interest - Public Infrastructure</b> Name: Quay Service Station Location: Church Street, Connah's Quay, Deeside, CH5 4AS Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A17SW (NW)	941	8	328690 370164
345	<b>Points of Interest - Recreational and Environmental</b> Name: Play Area Location: High Street, CH5 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A13SE (SE)	160	8	329874 369433
345	<b>Points of Interest - Recreational and Environmental</b> Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13SE (SE)	163	8	329874 369430

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
346	<b>Points of Interest - Recreational and Environmental</b> Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A12NE (NW)	413	8	329205 369994
346	<b>Points of Interest - Recreational and Environmental</b> Name: Play Area Location: Church Road, CH5 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A12NE (NW)	433	8	329187 370004
346	<b>Points of Interest - Recreational and Environmental</b> Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A12NE (NW)	438	8	329181 370005
347	<b>Points of Interest - Recreational and Environmental</b> Name: Playground Location: Fron Road, CH5 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A8SE (S)	654	8	329866 368922
347	<b>Points of Interest - Recreational and Environmental</b> Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	661	8	329854 368914
348	<b>Points of Interest - Recreational and Environmental</b> Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	960	8	330634 369100
348	<b>Points of Interest - Recreational and Environmental</b> Name: Playground Location: Salisbury Street, CH5 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	960	8	330634 369100
349	<b>Points of Interest - Recreational and Environmental</b> Name: Play Area Location: Viking Way, CH5 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A11NE (W)	982	8	328546 369710

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
350	<b>Ancient Woodland</b> Name: Not Supplied Reference: 35861 Area(m <sup>2</sup> ): 16135.57 Type: Ancient and Semi-Natural Woodland	A3NE (S)	974	3	329867 368601
351	<b>Ramsar Sites</b> Name: The Dee Estuary (Wales) Multiple Areas: Y Total Area (m2): 79439005.93 Source: Natural Resources Wales Reference: UK11082 Designation Date: 10th December 2009	A13NE (NE)	124	3	329856 369853
352	<b>Sites of Special Scientific Interest</b> Name: Afon Dyfrdwy (River Dee) Multiple Areas: Y Total Area (m2): 14914217.92 Source: Natural Resources Wales Reference: 255431wdw Designation Details: Mixed Biological And Geological Designation Date: 30th November 1995 Date Type: Notified	A13NE (N)	83	3	329719 369869
353	<b>Sites of Special Scientific Interest</b> Name: Dee Estuary / Aber Afon Dyfrdwy Multiple Areas: Y Total Area (m2): 74086462.57 Source: Natural Resources Wales Reference: 83931whj Designation Details: Biological Designation Date: 1st January 1972 Date Type: Notified	A13NE (NE)	124	3	329856 369853
354	<b>Sites of Special Scientific Interest</b> Name: Shotton Lagoons And Reedbeds Multiple Areas: Y Total Area (m2): 119041.82 Source: Natural Resources Wales Reference: 163931wbu Designation Details: Biological Designation Date: 19th October 1999 Date Type: Notified	A23SW (N)	941	3	329519 370706
355	<b>Special Areas of Conservation</b> Name: River Dee And Bala Lake / Afon Dyfrdwy A Llyn Tegid (Wales) Multiple Areas: Y Total Area (m2): 11498849.64 Source: Natural Resources Wales Reference: UK0030252 <b>Status: Designated</b>	A13NE (N)	83	3	329719 369869
356	<b>Special Areas of Conservation</b> Name: Dee Estuary / Aber Dyfrdwy (Wales) Multiple Areas: N Total Area (m2): 75231693.17 Source: Natural Resources Wales Reference: UK0030131 <b>Status: Designated</b>	A13NE (NE)	124	3	329856 369853
357	<b>Special Protection Areas</b> Name: The Dee Estuary (Wales) Multiple Areas: Y Total Area (m2): 79439005.93 Source: Natural Resources Wales Reference: UK9013011 Designation Date: 10th December 2009	A13NE (NE)	124	3	329856 369853

Agency & Hydrological	Version	Update Cycle
<b>Contaminated Land Register Entries and Notices</b> Flintshire Council - Environmental Health Department Chester City Council (now part of Cheshire West and Chester Council) - Environmental Health Department Ellesmere Port And Neston Borough Council (now part of Cheshire West and Chester Council) - Environmental Health Department Cheshire West and Chester Council - Environmental Health Department	April 2014 August 2008 March 2008 November 2013	Annual Rolling Update Not Applicable Not Applicable Annually
<b>Discharge Consents</b> Environment Agency - Welsh Region Natural Resources Wales	August 2014 August 2017	Quarterly Quarterly
<b>Enforcement and Prohibition Notices</b> Environment Agency - North West Region Environment Agency - Welsh Region	March 2013 March 2013	As notified As notified
<b>Integrated Pollution Controls</b> Environment Agency - North West Region Environment Agency - Welsh Region	October 2008 October 2008	Variable Variable
<b>Integrated Pollution Prevention And Control</b> Environment Agency - North West Region Environment Agency - Welsh Region Natural Resources Wales	October 2017 October 2017 October 2017	Quarterly Quarterly Quarterly
<b>Local Authority Integrated Pollution Prevention And Control</b> Flintshire Council - Environmental Health Department Chester City Council (now part of Cheshire West and Chester Council) - Environmental Health Department Cheshire West and Chester Council - Environmental Health Department Ellesmere Port And Neston Borough Council (now part of Cheshire West and Chester Council) - Environmental Health Department	April 2016 December 2008 July 2015 May 2009	Variable Not Applicable Variable Not Applicable
<b>Local Authority Pollution Prevention and Controls</b> Flintshire Council - Environmental Health Department Chester City Council (now part of Cheshire West and Chester Council) - Environmental Health Department Cheshire West and Chester Council - Environmental Health Department Ellesmere Port And Neston Borough Council (now part of Cheshire West and Chester Council) - Environmental Health Department	April 2016 December 2008 July 2015 May 2009	Annual Rolling Update Not Applicable Annually Not Applicable
<b>Local Authority Pollution Prevention and Control Enforcements</b> Flintshire Council - Environmental Health Department Chester City Council (now part of Cheshire West and Chester Council) - Environmental Health Department Cheshire West and Chester Council - Environmental Health Department Ellesmere Port And Neston Borough Council (now part of Cheshire West and Chester Council) - Environmental Health Department	April 2016 December 2008 July 2015 May 2009	Variable Not Applicable Variable Not Applicable
<b>Nearest Surface Water Feature</b> Ordnance Survey	September 2017	
<b>Pollution Incidents to Controlled Waters</b> Environment Agency - Welsh Region	December 1998	Not Applicable
<b>Prosecutions Relating to Authorised Processes</b> Environment Agency - North West Region Environment Agency - Welsh Region Natural Resources Wales	March 2013 March 2013 March 2013	As notified As notified As notified
<b>Prosecutions Relating to Controlled Waters</b> Environment Agency - North West Region Environment Agency - Welsh Region Natural Resources Wales	March 2013 March 2013 March 2013	As notified As notified As notified

Agency & Hydrological	Version	Update Cycle
<b>Registered Radioactive Substances</b> Natural Resources Wales Environment Agency - North West Region Environment Agency - Welsh Region	January 2015 January 2015 January 2015	As notified
<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 - North West Region - South Area Environment Agency Wales - North Area Natural Resources Wales	October 2017 October 2017 October 2017	Quarterly Quarterly Quarterly
<b>Water Abstractions</b> Environment Agency - Welsh Region Natural Resources Wales	October 2017 October 2017	Quarterly Quarterly
<b>Water Industry Act Referrals</b> Environment Agency - North West Region Environment Agency - Welsh Region Natural Resources Wales	October 2017 October 2017 October 2017	Quarterly Quarterly Quarterly
<b>Groundwater Vulnerability</b> Environment Agency - Head Office	April 2015	Not Applicable
<b>Drift Deposits</b> Environment Agency - Head Office	January 1999	Not Applicable
<b>Bedrock Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	August 2015	As notified
<b>Superficial Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	August 2015	As notified
<b>Source Protection Zones</b> Natural Resources Wales	November 2016	As notified
<b>Extreme Flooding from Rivers or Sea without Defences</b> Natural Resources Wales	November 2017	Quarterly
<b>Flooding from Rivers or Sea without Defences</b> Natural Resources Wales	November 2017	Quarterly
<b>Areas Benefiting from Flood Defences</b> Natural Resources Wales	November 2017	Quarterly
<b>Flood Water Storage Areas</b> Natural Resources Wales	November 2017	Quarterly
<b>Flood Defences</b> Natural Resources Wales	November 2017	Quarterly
<b>OS Water Network Lines</b> Ordnance Survey	January 2018	Quarterly
<b>Surface Water 1 in 30 year Flood Extent</b> Natural Resources Wales	October 2013	As notified
<b>Surface Water 1 in 100 year Flood Extent</b> Natural Resources Wales	October 2013	As notified
<b>Surface Water 1 in 1000 year Flood Extent</b> Natural Resources Wales	October 2013	As notified
<b>Surface Water Suitability</b> Natural Resources Wales	October 2013	As notified
<b>BGS Groundwater Flooding Susceptibility</b> British Geological Survey - National Geoscience Information Service	May 2013	As notified













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 - North West Region Environment Agency - Welsh Region	October 2008 October 2008	Not Applicable Not Applicable
<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Environment Agency - North West Region - South Area Environment Agency Wales - North Area Natural Resources Wales	October 2017 October 2017 October 2017	Quarterly Quarterly Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Environment Agency - North West Region - South Area Environment Agency Wales - North Area Natural Resources Wales	October 2017 October 2017 October 2017	Quarterly Quarterly Quarterly
<b>Local Authority Landfill Coverage</b> Cheshire County Council (now part of Cheshire East Council) - Environmental Planning Department Chester City Council (now part of Cheshire West and Chester Council) - Environmental Health Department Ellesmere Port And Neston Borough Council (now part of Cheshire West and Chester Council) - Planning Department Flintshire Council - Environmental Health Department	May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable
<b>Local Authority Recorded Landfill Sites</b> Cheshire County Council (now part of Cheshire East Council) - Environmental Planning Department Chester City Council (now part of Cheshire West and Chester Council) - Environmental Health Department Ellesmere Port And Neston Borough Council (now part of Cheshire West and Chester Council) - Planning Department Flintshire Council - Environmental Health Department	February 2005 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 - North West Region - South Area Environment Agency Wales - North Area	March 2003 March 2003	Not Applicable Not Applicable
<b>Registered Waste Transfer Sites</b> Environment Agency - North West Region - South Area Environment Agency Wales - North Area	March 2003 March 2003	Not Applicable Not Applicable
<b>Registered Waste Treatment or Disposal Sites</b> Environment Agency - North West Region - South Area Environment Agency Wales - North Area	March 2003 March 2003	Not Applicable Not Applicable

Hazardous Substances	Version	Update Cycle
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	September 2017	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	March 2017	Variable
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	November 2000	Not Applicable
<b>Planning Hazardous Substance Enforcements</b> Cheshire West and Chester Council - Planning Department Ellesmere Port And Neston Borough Council (now part of Cheshire West and Chester Council) - Planning Department Flintshire Council Cheshire County Council (now part of Cheshire East Council) - Planning Department Chester City Council (now part of Cheshire West and Chester Council)	April 2016 December 2008 January 2016 July 2008 October 2008	Variable Not Applicable Variable Annual Rolling Update Not Applicable
<b>Planning Hazardous Substance Consents</b> Cheshire West and Chester Council - Planning Department Ellesmere Port And Neston Borough Council (now part of Cheshire West and Chester Council) - Planning Department Flintshire Council Cheshire County Council (now part of Cheshire East Council) - Planning Department Chester City Council (now part of Cheshire West and Chester Council)	April 2016 December 2008 January 2016 July 2008 October 2008	Variable Not Applicable Variable Annual Rolling Update Not Applicable
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	As notified
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	November 2017	Bi-Annually
<b>CBSCB Compensation District</b> Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
<b>Coal Mining Affected Areas</b> The Coal Authority - Property Searches	March 2014	As notified
<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	June 2015	As notified
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	As notified
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	As notified
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	As notified
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	As notified
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	As notified
<b>Radon Potential - Radon Affected Areas</b> British Geological Survey - National Geoscience Information Service	July 2011	As notified
<b>Radon Potential - Radon Protection Measures</b> British Geological Survey - National Geoscience Information Service	July 2011	As notified

Industrial Land Use	Version	Update Cycle
<b>Contemporary Trade Directory Entries</b> Thomson Directories	November 2017	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	February 2018	Quarterly
<b>Gas Pipelines</b> National Grid	July 2014	Quarterly
<b>Points of Interest - Commercial Services</b> PointX	December 2017	Quarterly
<b>Points of Interest - Education and Health</b> PointX	December 2017	Quarterly
<b>Points of Interest - Manufacturing and Production</b> PointX	December 2017	Quarterly
<b>Points of Interest - Public Infrastructure</b> PointX	December 2017	Quarterly
<b>Points of Interest - Recreational and Environmental</b> PointX	December 2017	Quarterly
<b>Underground Electrical Cables</b> National Grid	December 2015	Bi-Annually

Sensitive Land Use	Version	Update Cycle
<b>Ancient Woodland</b> Natural Resources Wales	October 2017	Bi-Annually
<b>Areas of Adopted Green Belt</b> Chester City Council (now part of Cheshire West and Chester Council) Ellesmere Port And Neston Borough Council (now part of Cheshire West and Chester Council) - Planning Department	November 2017 November 2017	As notified As notified
<b>Areas of Unadopted Green Belt</b> Chester City Council (now part of Cheshire West and Chester Council) Ellesmere Port And Neston Borough Council (now part of Cheshire West and Chester Council) - Planning Department	November 2017 November 2017	As notified As notified
<b>Areas of Outstanding Natural Beauty</b> Natural England Natural Resources Wales	February 2018 February 2018	Bi-Annually Bi-Annually
<b>Environmentally Sensitive Areas</b> Natural England The National Assembly for Wales - GI Services (Department of Planning & Countryside)	January 2017 January 2017	
<b>Forest Parks</b> Forestry Commission	April 1997	Not Applicable
<b>Local Nature Reserves</b> Flintshire Council Natural England	February 2018 February 2018	Bi-Annually Bi-Annually
<b>Marine Nature Reserves</b> Natural Resources Wales	October 2017	Bi-Annually
<b>National Nature Reserves</b> Natural Resources Wales	February 2018	Bi-Annually
<b>National Parks</b> Natural Resources Wales Natural England	August 2017 August 2017	Annually Bi-Annually
<b>Nitrate Vulnerable Zones</b> Environment Agency - Head Office Natural Resources Wales The National Assembly for Wales - GI Services (Department of Planning & Countryside)	December 2017 July 2017 October 2005	Bi-Annually Bi-Annually
<b>Ramsar Sites</b> Natural England Natural Resources Wales	February 2018 February 2018	Bi-Annually Bi-Annually
<b>Sites of Special Scientific Interest</b> Natural Resources Wales	August 2017	Bi-Annually
<b>Special Areas of Conservation</b> Natural Resources Wales	February 2018	Bi-Annually
<b>Special Protection Areas</b> Natural England Natural Resources Wales	February 2018 February 2018	Bi-Annually 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	
Peter Brett Associates	

Contact	Name and Address	Contact Details
1	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	<b>Flintshire Council - Environmental Health Department</b> County Hall, Mold, Flintshire, CH7 6NF	Telephone: 01352 703413 Fax: 01352 703441 Website: www.flintshire.gov.uk
3	<b>Natural Resources Wales</b> Ty Cambria, 29 Newport Road, Cardiff, CF24 0TP	Telephone: 0300 065 3000 Email: enquiries@naturalresourceswales.gov.uk
4	<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
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>Health and Safety Executive</b> 5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Website: www.hse.gov.uk
7	<b>The Coal Authority - Property Searches</b> 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
8	<b>PointX</b> 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
9	<b>Flintshire Council</b> County Hall, Mold, Clwyd, CH7 6NB	Telephone: 01352 704476 Fax: 01352 755910 Website: www.flintshire.gov.uk
10	<b>Environment Agency - Head Office</b> Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
11	<b>Natural England</b> County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.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.

# 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)**  
**Co. Boro. Bdy.**  
**Co. Burgh Bdy.**  
**BP BS** Boundary Post or Stone   **P.C.B** 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

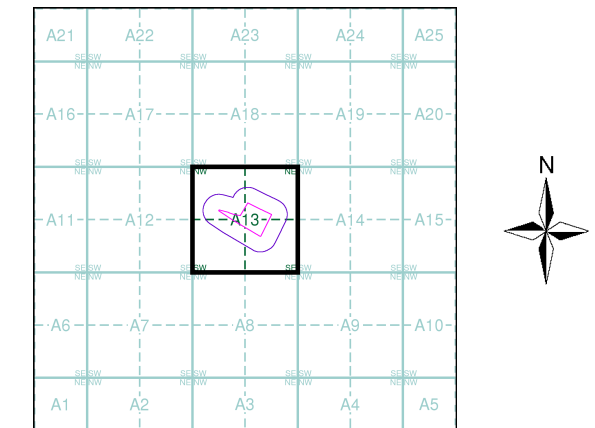
## Large-Scale National Grid Data 1:2,500 and 1:1,250

**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**  
**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

## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Flintshire	1:2,500	1870	2
Flintshire	1:2,500	1899	3
Flintshire	1:2,500	1912	4
Ordnance Survey Plan	1:2,500	1963 - 1964	5
Ordnance Survey Plan	1:2,500	1969 - 1982	6
Supply of Unpublished Survey Information	1:2,500	1976	7
Supply of Unpublished Survey Information	1:2,500	1976	8
Additional SIMs	1:2,500	1978 - 1979	9
Ordnance Survey Plan	1:1,250	1979 - 1980	10
Additional SIMs	1:1,250	1987 - 1988	11
Additional SIMs	1:2,500	1988	12
Ordnance Survey Plan	1:2,500	1991	13
Large-Scale National Grid Data	1:1,250	1992 - 1994	14
Large-Scale National Grid Data	1:2,500	1992 - 1993	15
Large-Scale National Grid Data	1:2,500	1993 - 1994	16
Large-Scale National Grid Data	1:1,250	1993 - 1995	17
Large-Scale National Grid Data	1:1,250	1994	18
Large-Scale National Grid Data	1:1,250	1996	19
Historical Aerial Photography	1:2,500	2001	20

## Historical Map - Segment A13



## Order Details

**Order Number:** 156897968\_1\_1  
**Customer Ref:** 10018372  
**National Grid Reference:** 329710, 369690  
**Slice:** A  
**Site Area (Ha):** 3.01  
**Search Buffer (m):** 100

## Site Details

**Site at 329750, 369710**

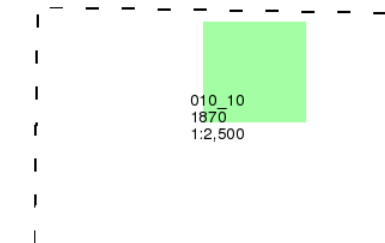
**Flintshire**

Published 1870

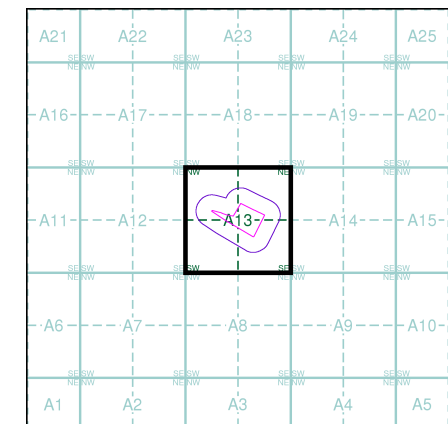
Source map scale - 1:2,500

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 A13**

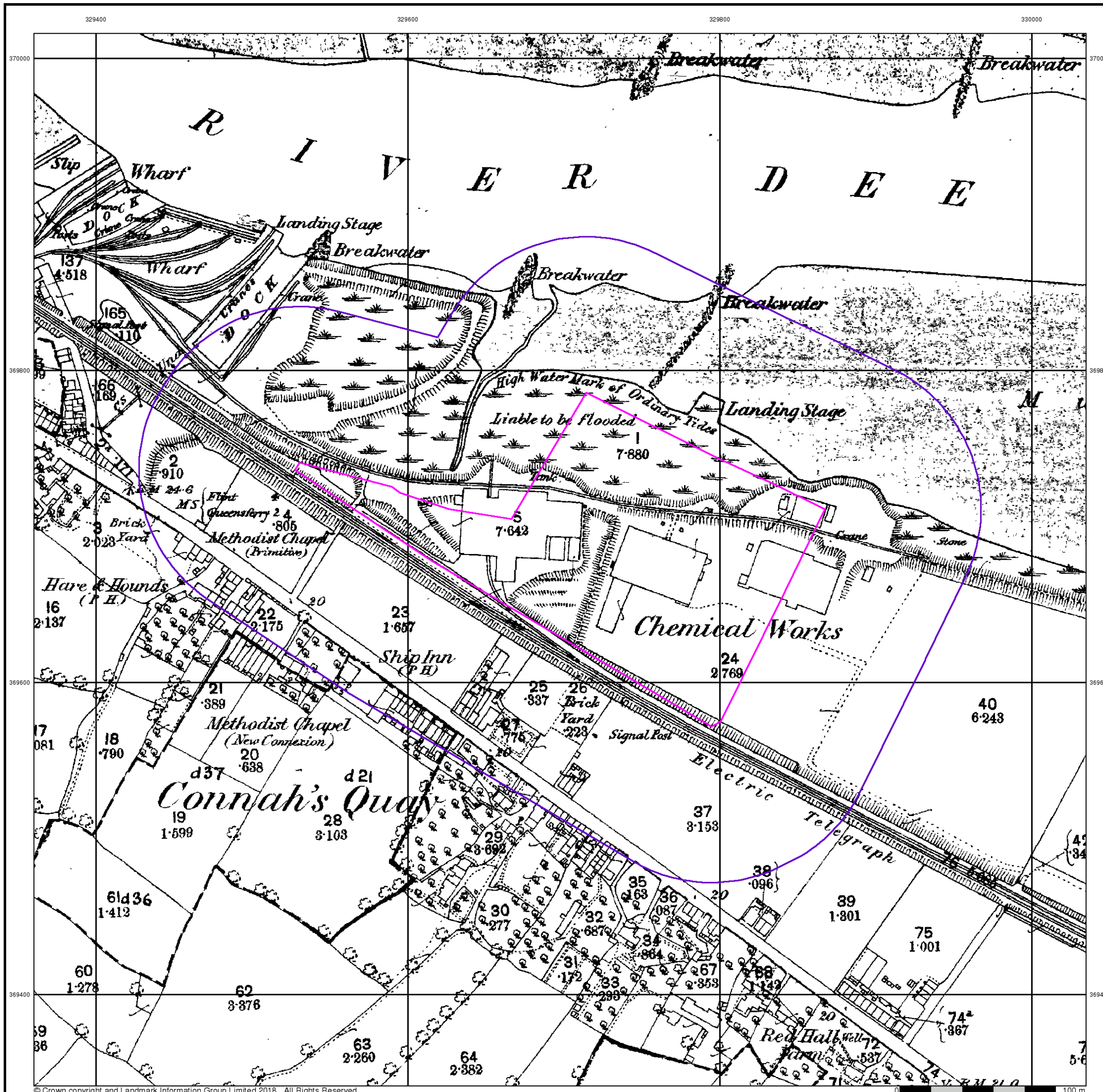


**Order Details**

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 100

**Site Details**

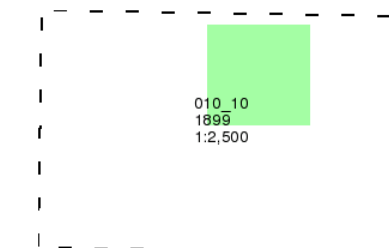
Site at 329750, 369710



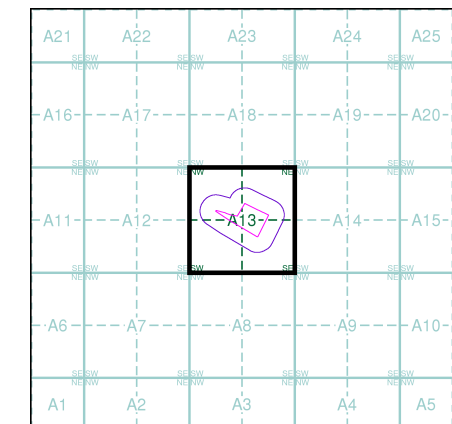
**Flintshire**  
**Published 1899**  
**Source map scale - 1:2,500**

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 A13**

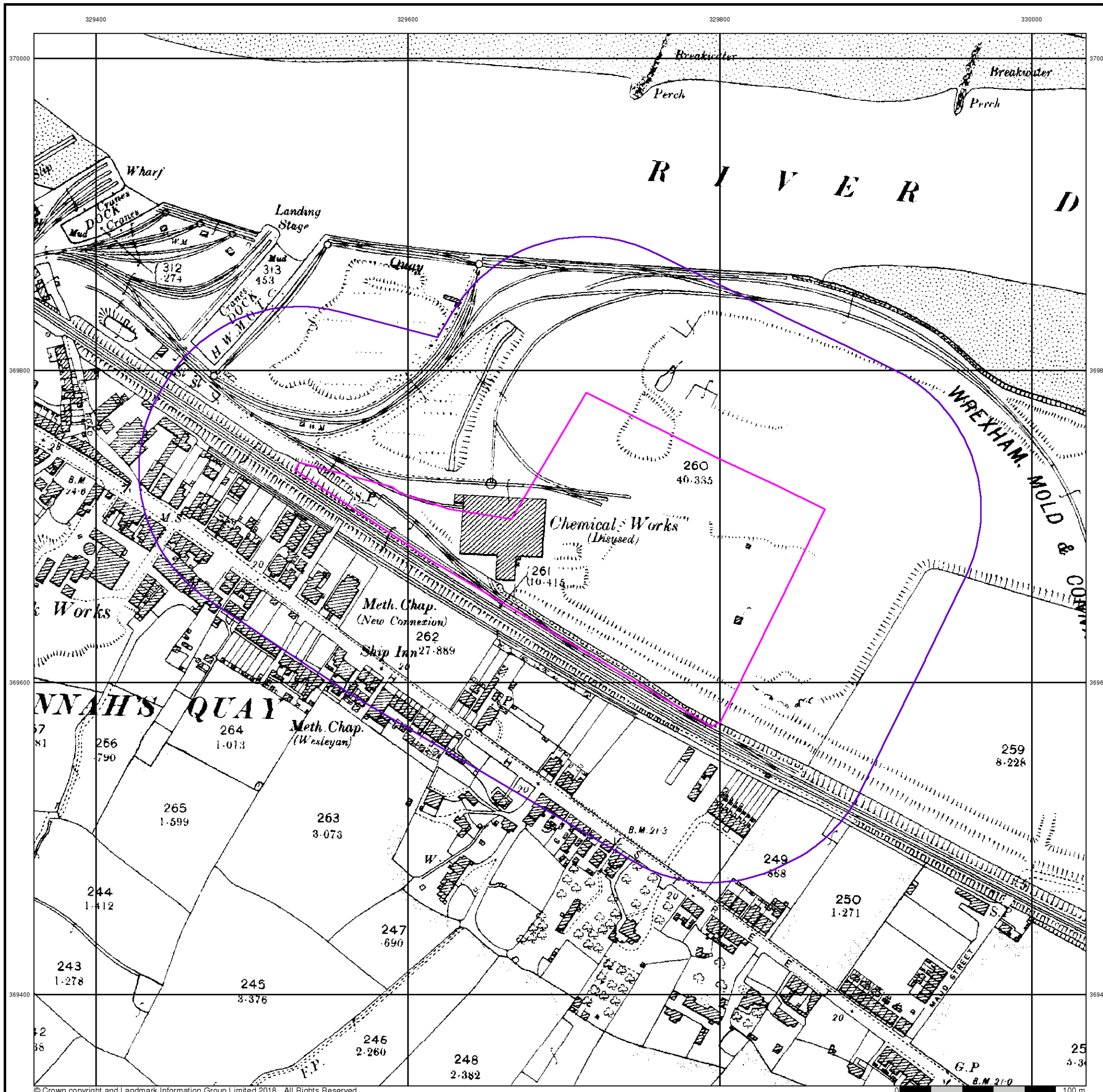


**Order Details**

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 100

**Site Details**

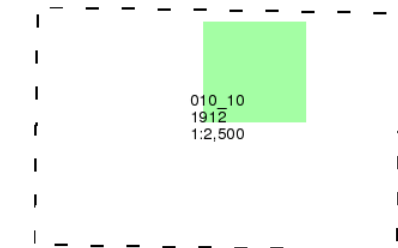
Site at 329750, 369710



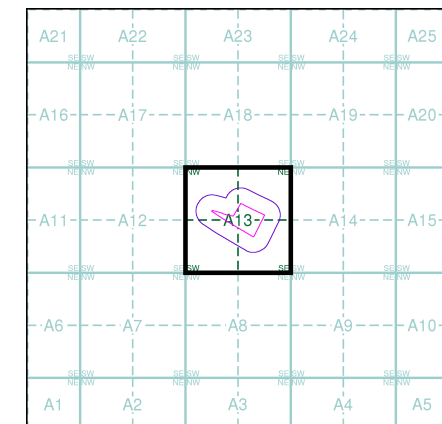
**Flintshire**  
**Published 1912**  
**Source map scale - 1:2,500**

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 A13**

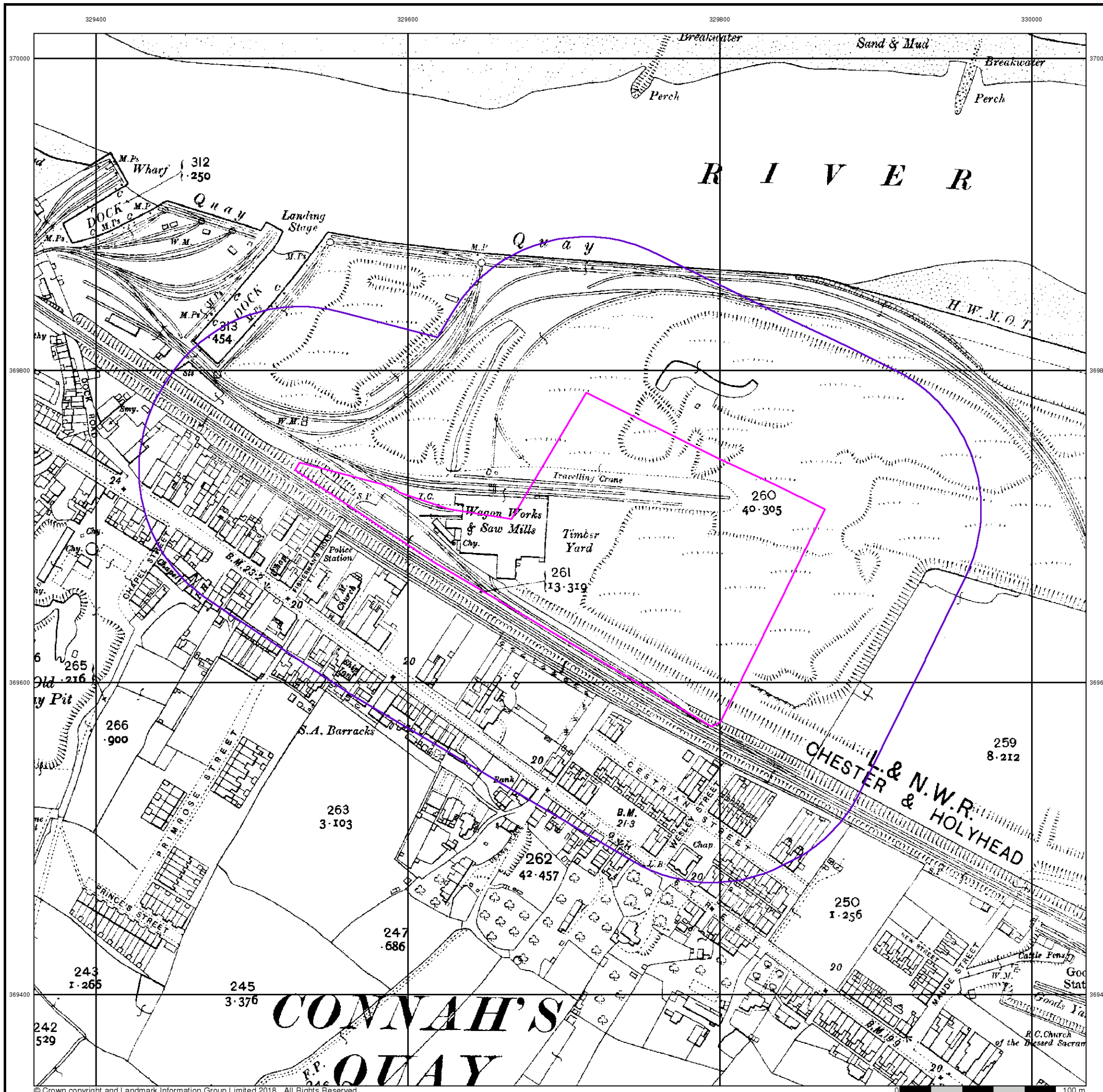


**Order Details**

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 100

**Site Details**

Site at 329750, 369710



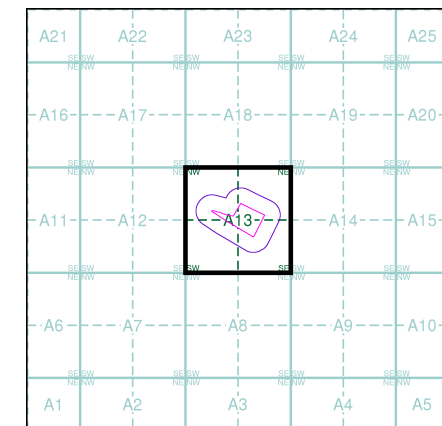
**Ordnance Survey Plan**  
**Published 1963 - 1964**  
**Source map scale - 1:2,500**

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)**

SJ2970 1964 12,500	SJ3070 1964 12,500
SJ2969 1963 12,500	SJ3069 1964 12,500

**Historical Map - Segment A13**



**Order Details**

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 100

**Site Details**

Site at 329750, 369710



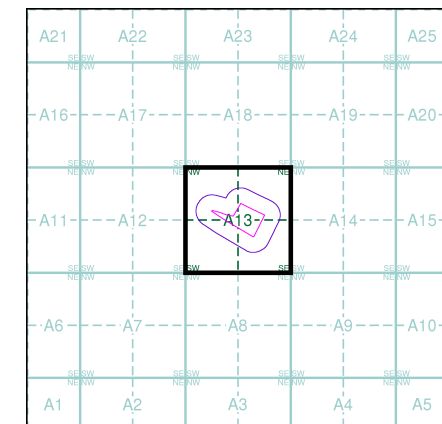
**Ordnance Survey Plan**  
**Published 1969 - 1982**  
**Source map scale - 1:2,500**

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)**

SJ2970 1982 1:2,500	SJ3070 1982 1:2,500
<b>SJ2969 1969 1:2,500</b>	

**Historical Map - Segment A13**

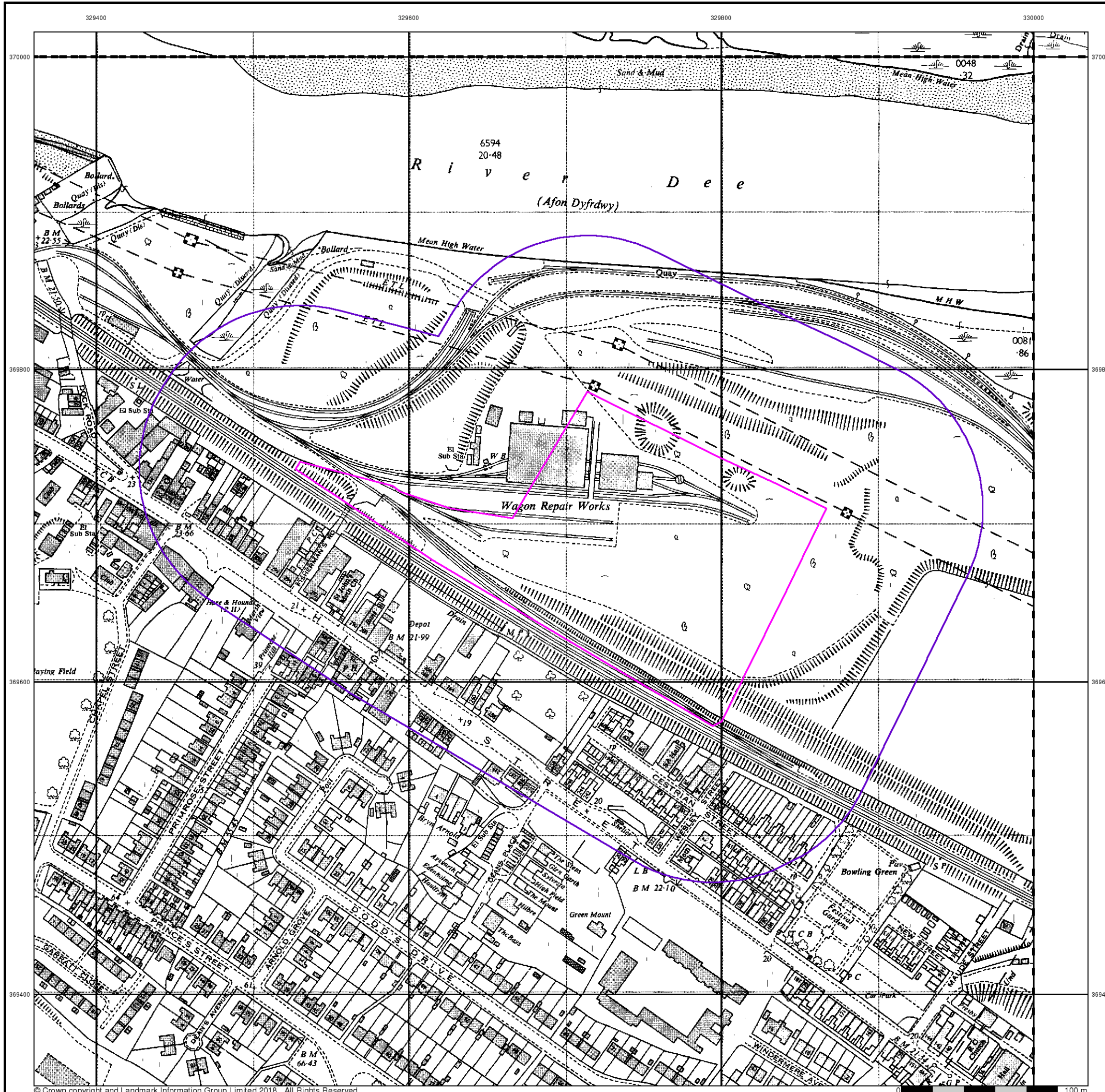


**Order Details**

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 100

**Site Details**

Site at 329750, 369710



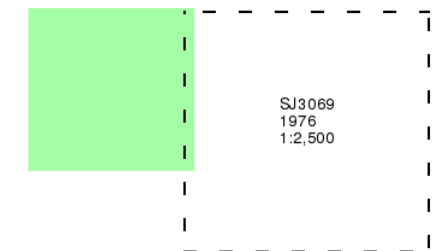
## Supply of Unpublished Survey Information

**Published 1976**

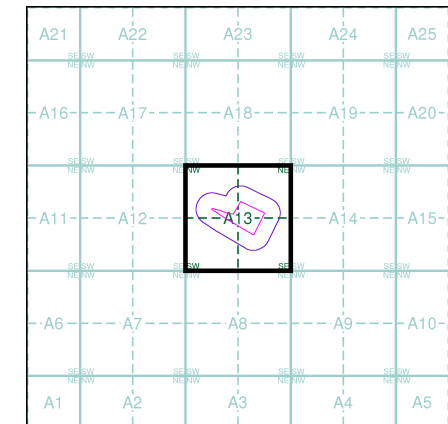
**Source map scale - 1:2,500**

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 A13

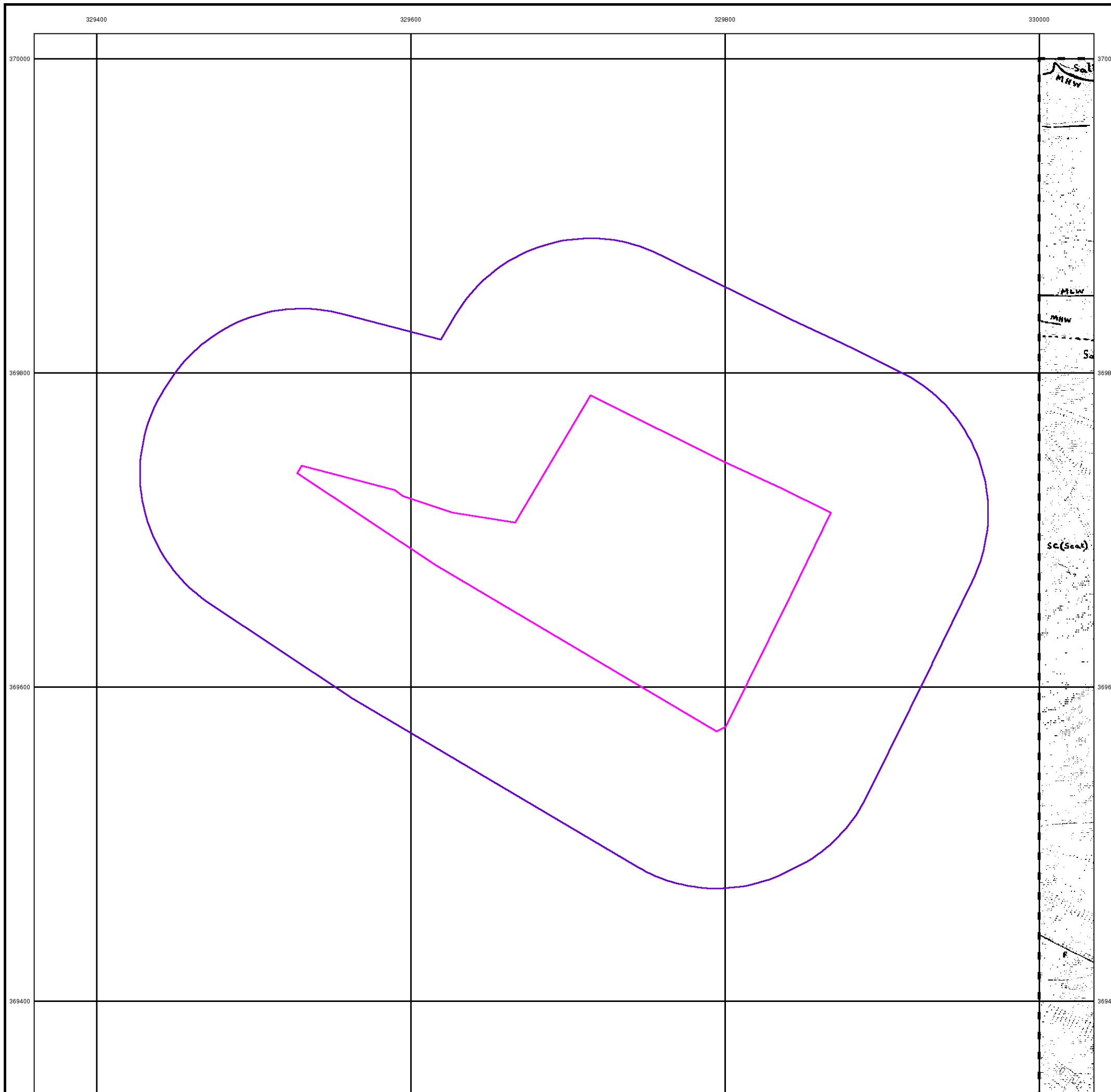


### Order Details

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 100

### Site Details

Site at 329750, 369710



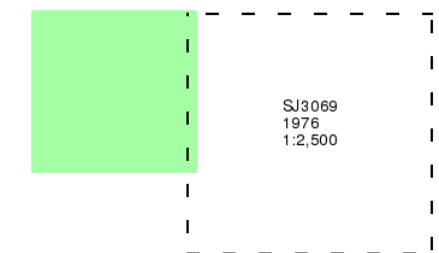
## Supply of Unpublished Survey Information

**Published 1976**

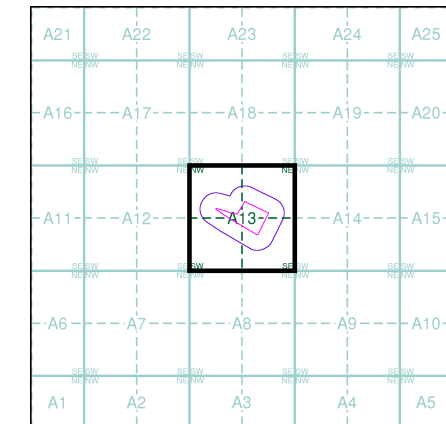
**Source map scale - 1:2,500**

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 A13

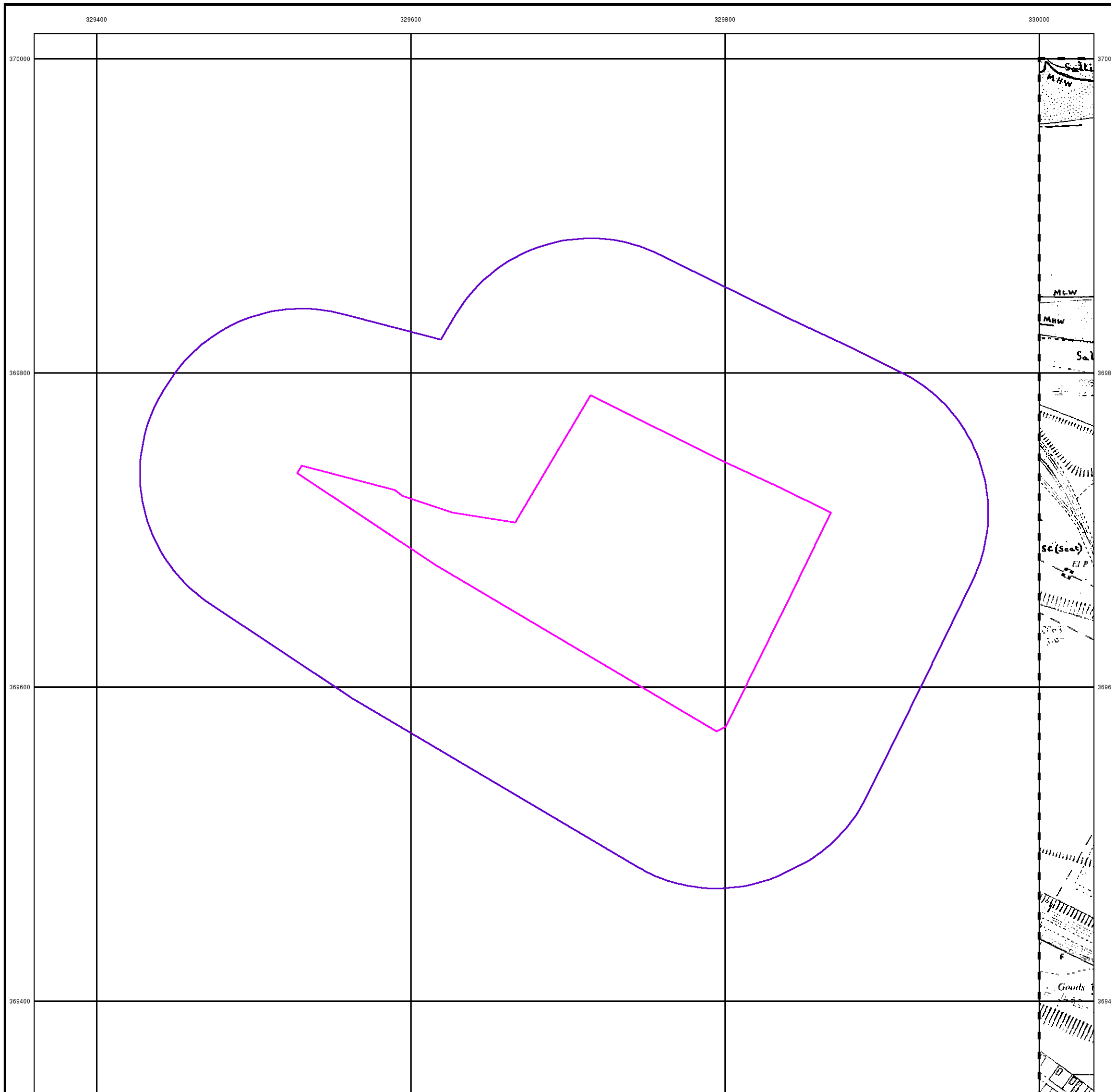


### Order Details

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 100

### Site Details

Site at 329750, 369710



**Additional SIMs**

**Published 1978 - 1979**

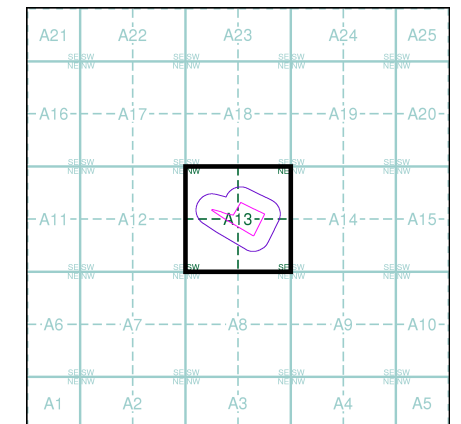
**Source map scale - 1:2,500**

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)**

SJ2970 1978 1:2,500	SJ3070 1978 1:2,500
	SJ3069 1979 1:2,500

**Historical Map - Segment A13**

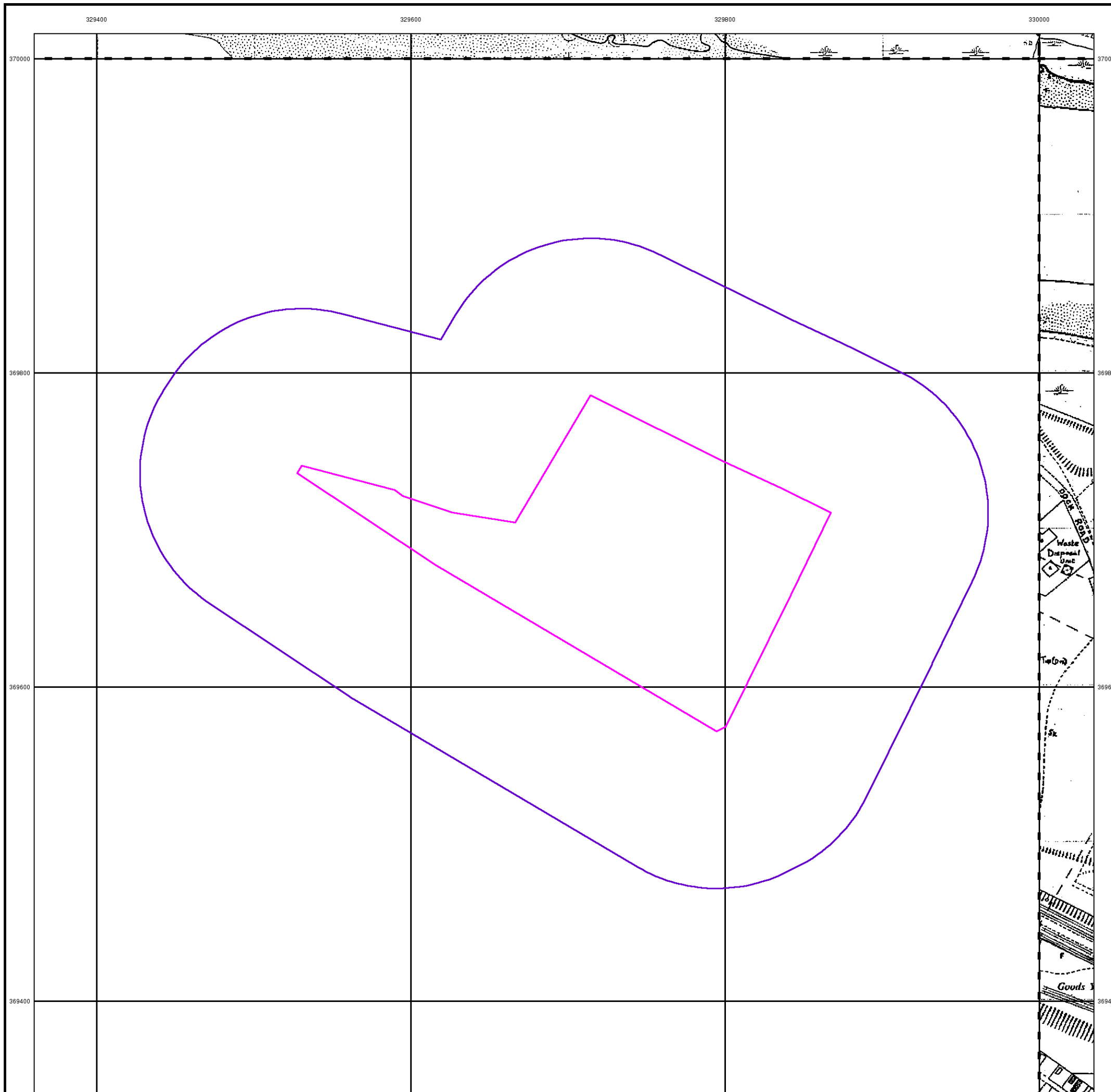


**Order Details**

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 100

**Site Details**

Site at 329750, 369710



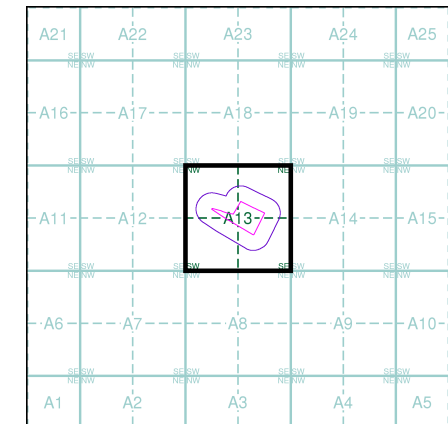
**Ordnance Survey Plan**  
**Published 1979 - 1980**  
**Source map scale - 1:1,250**

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

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

SJ2969NW 1980 1:1,250	SJ2969NE 1980 1:1,250	
SJ2969SW 1980 1:1,250	SJ2969SE 1980 1:1,250	SJ3069SW 1979 1:1,250

**Historical Map - Segment A13**



**Order Details**

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 100

**Site Details**

Site at 329750, 369710



**Additional SIMs**

**Published 1987 - 1988**

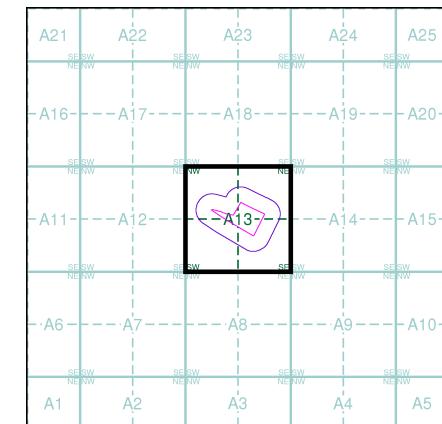
**Source map scale - 1:1,250**

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

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

SJ2969NW 1988 1:1,250	SJ2969NE 1987 1:1,250	SJ3069SW 1988 1:1,250
-----------------------------	-----------------------------	-----------------------------

**Historical Map - Segment A13**

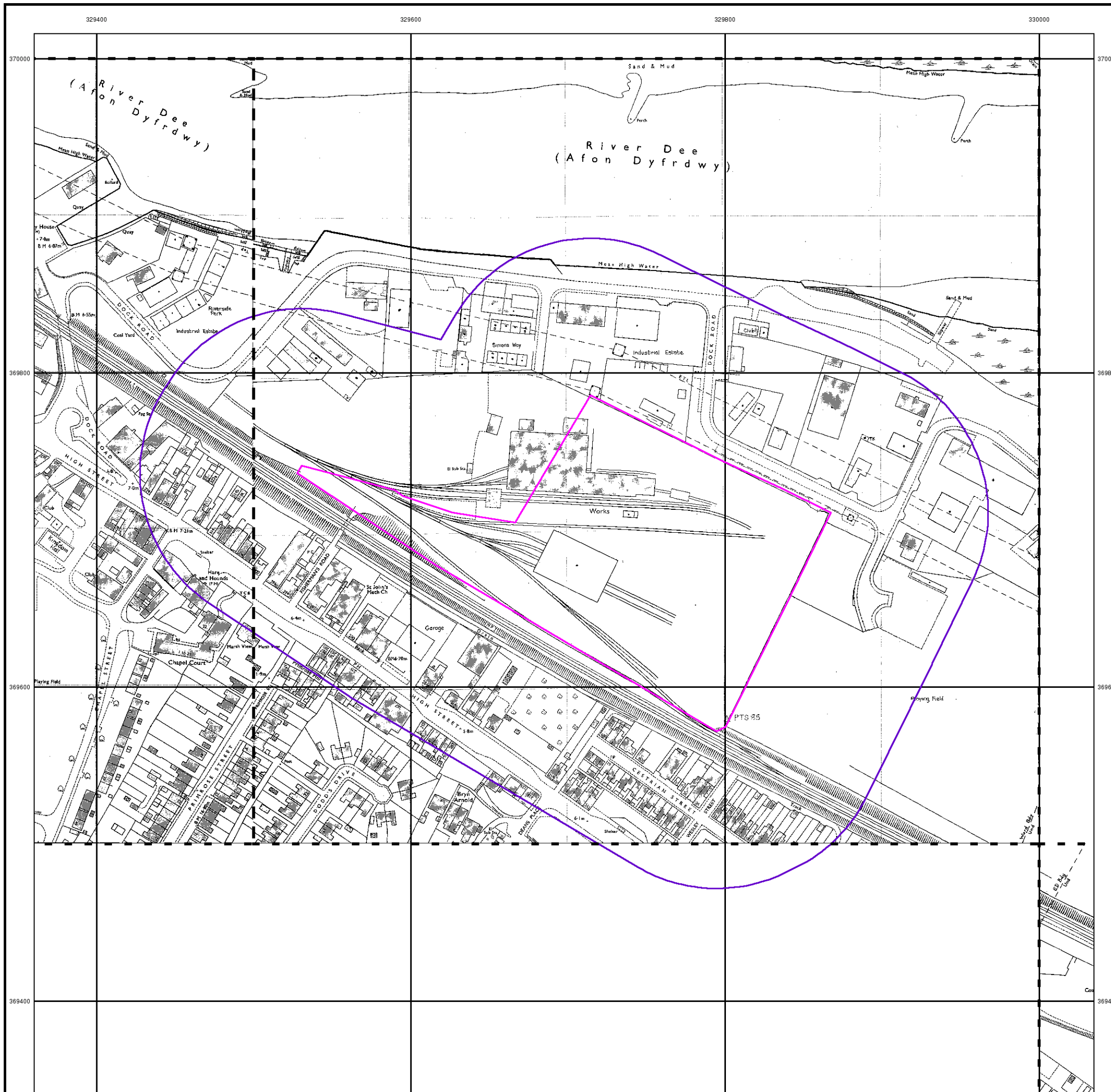


**Order Details**

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 100

**Site Details**

Site at 329750, 369710



**Additional SIMs**

**Published 1988**

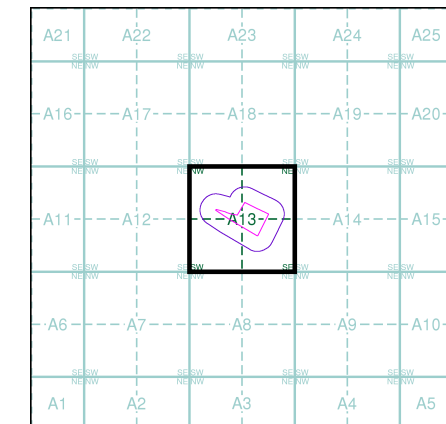
**Source map scale - 1:2,500**

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)**

SJ2970 1988 1:2,500	SJ3070 1988 1:2,500
---------------------------	---------------------------

**Historical Map - Segment A13**

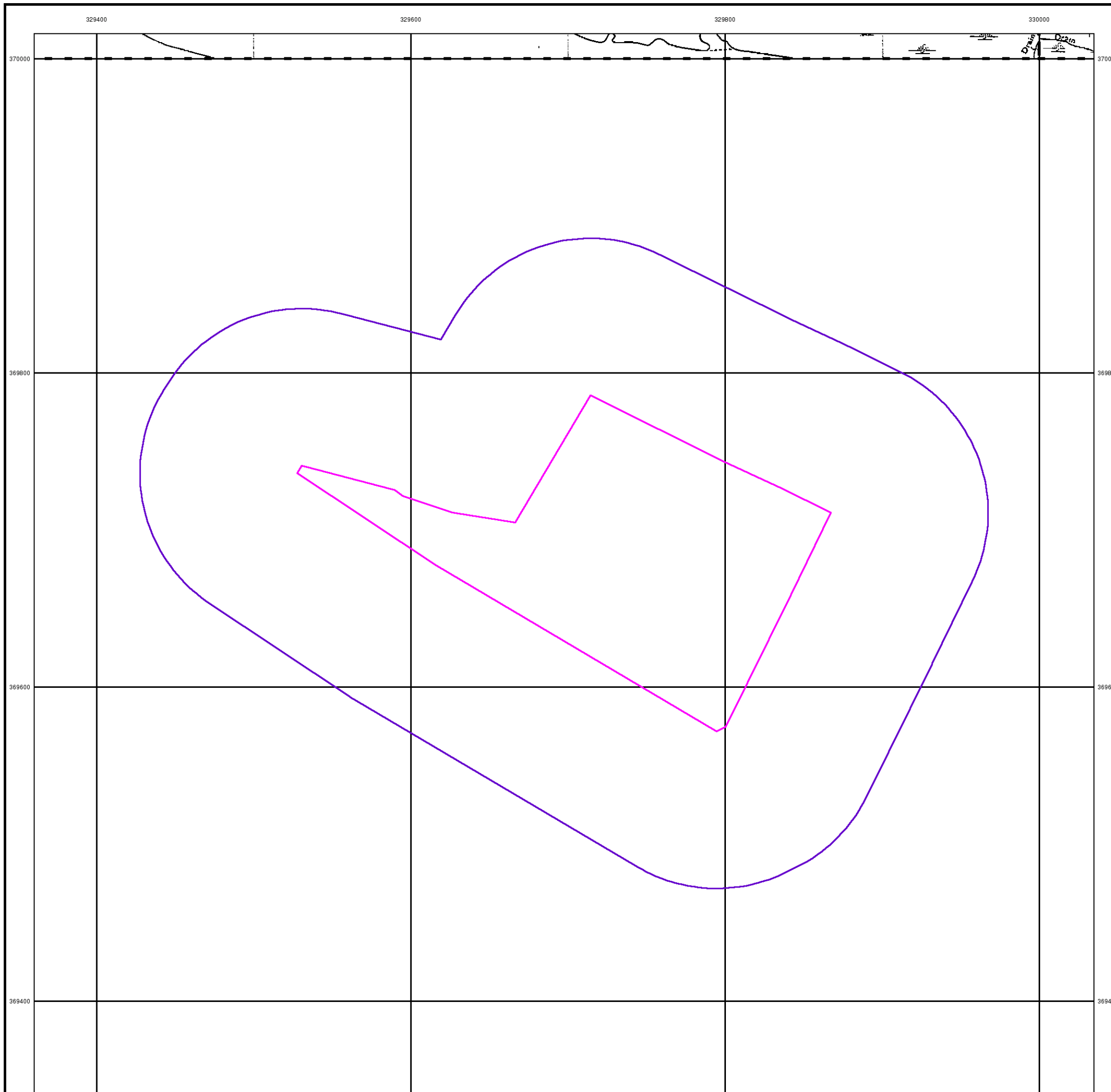


**Order Details**

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 100

**Site Details**

Site at 329750, 369710



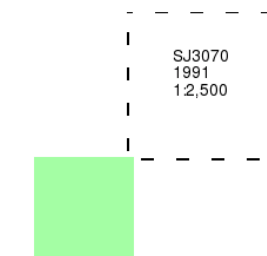
### Ordnance Survey Plan

Published 1991

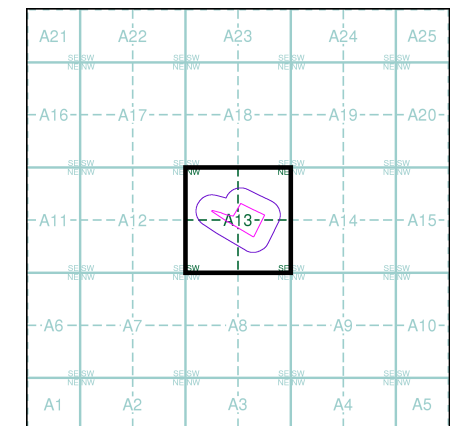
Source map scale - 1:2,500

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 A13

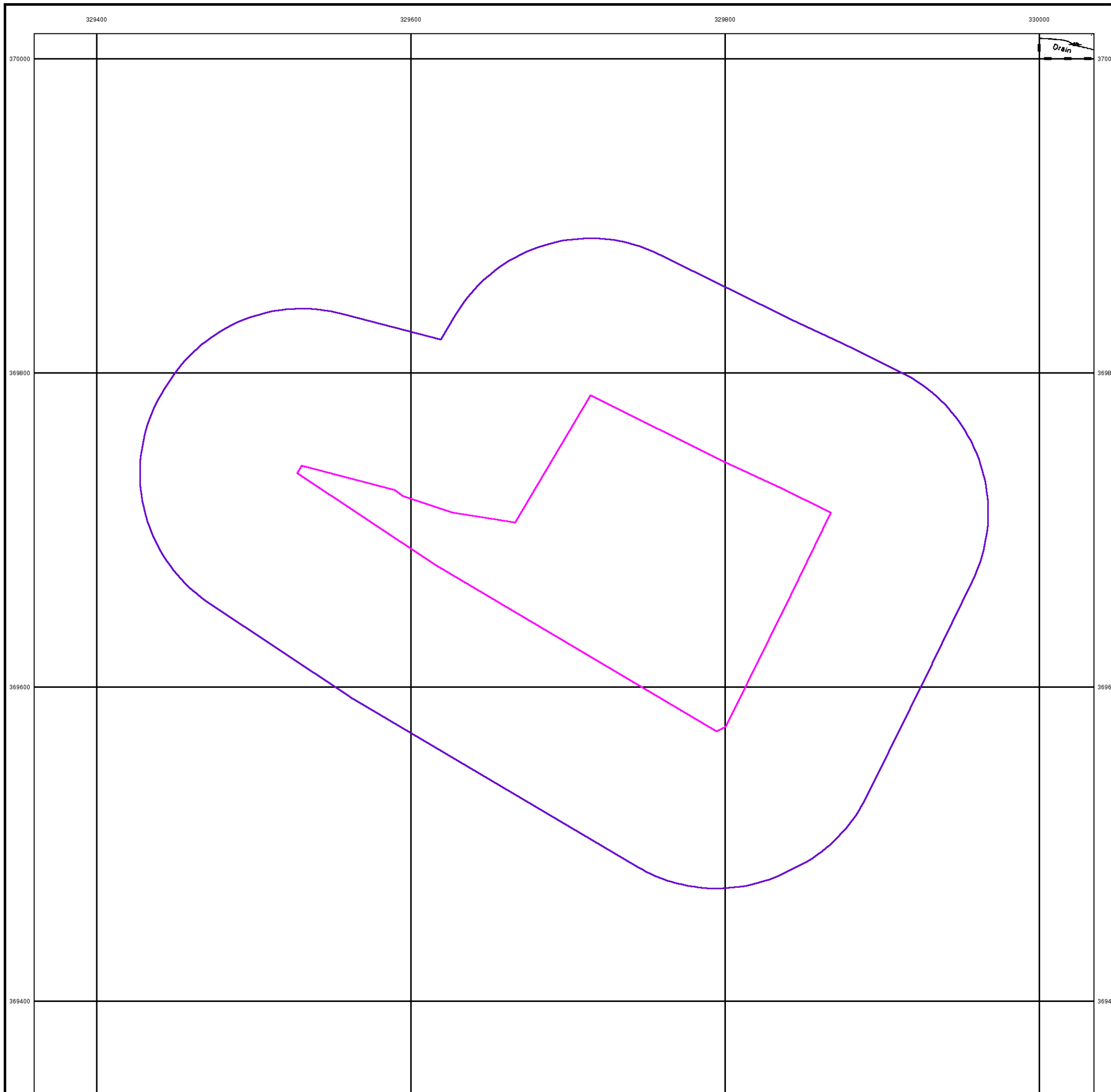


### Order Details

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 100

### Site Details

Site at 329750, 369710



## Large-Scale National Grid Data

Published 1992 - 1994

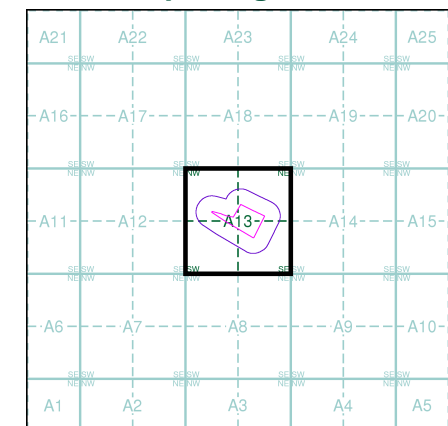
Source map scale - 1:1,250

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

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

SJ2969NW	SJ2969NE	SJ3069NW
1992	1992	1992
1:1,250	1:1,250	1:1,250
SJ2969SW	SJ2969SE	SJ3069SW
1994	1992	1992
1:1,250	1:1,250	1:1,250

### Historical Map - Segment A13

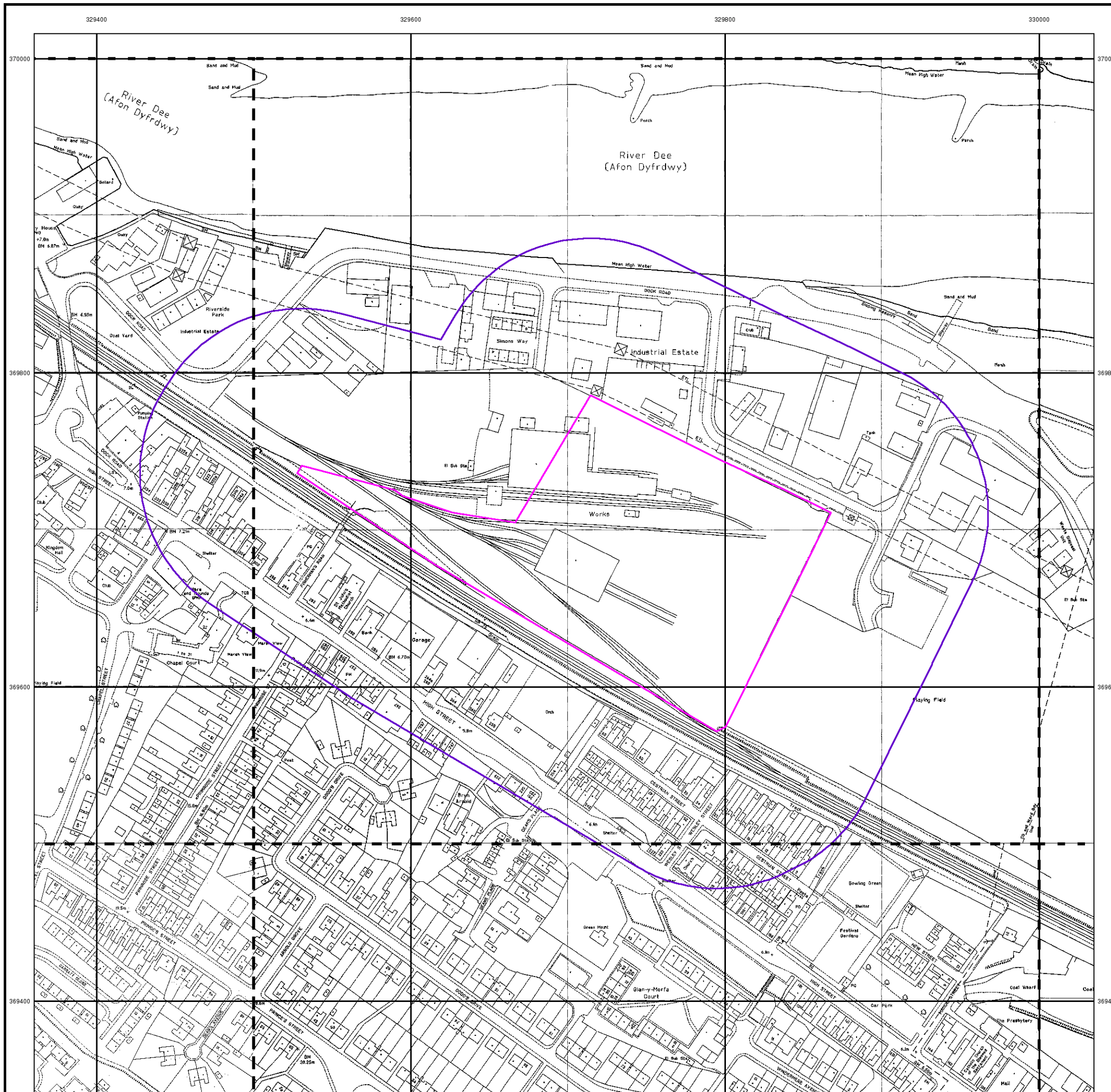


### Order Details

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 100

### Site Details

Site at 329750, 369710



**Large-Scale National Grid Data**

**Published 1992 - 1993**

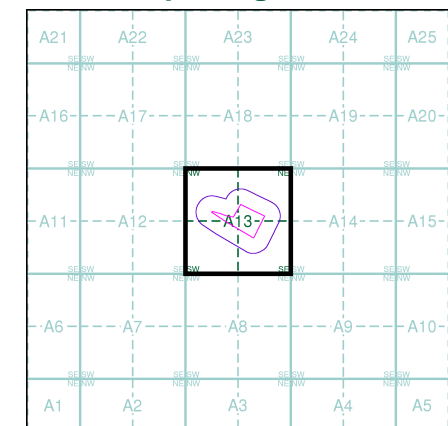
**Source map scale - 1:2,500**

'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)**

SJ2970 1993 1:2,500	SJ3070 1992 1:2,500
---------------------------	---------------------------

**Historical Map - Segment A13**

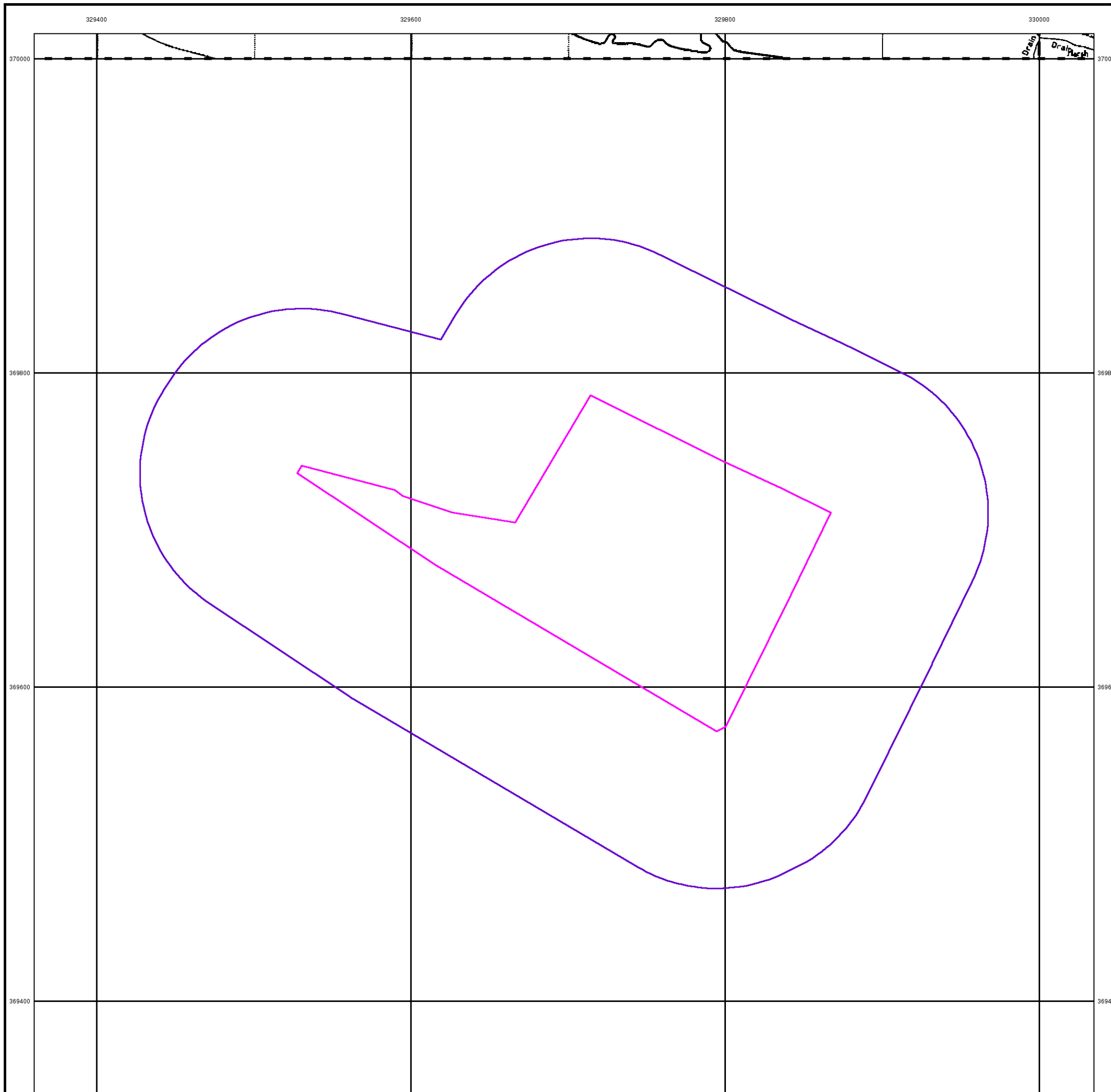


**Order Details**

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 100

**Site Details**

Site at 329750, 369710



**Large-Scale National Grid Data**

**Published 1993 - 1994**

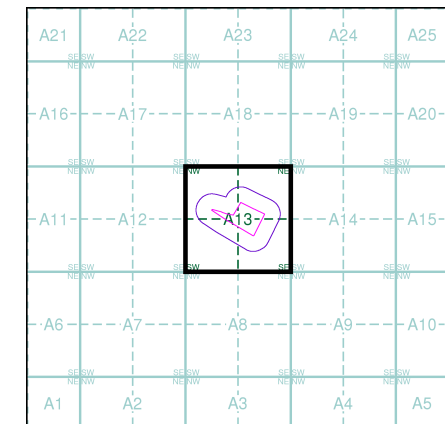
**Source map scale - 1:2,500**

'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)**

SJ2970 1993 1:2,500	SJ3070 1994 1:2,500
---------------------------	---------------------------

**Historical Map - Segment A13**

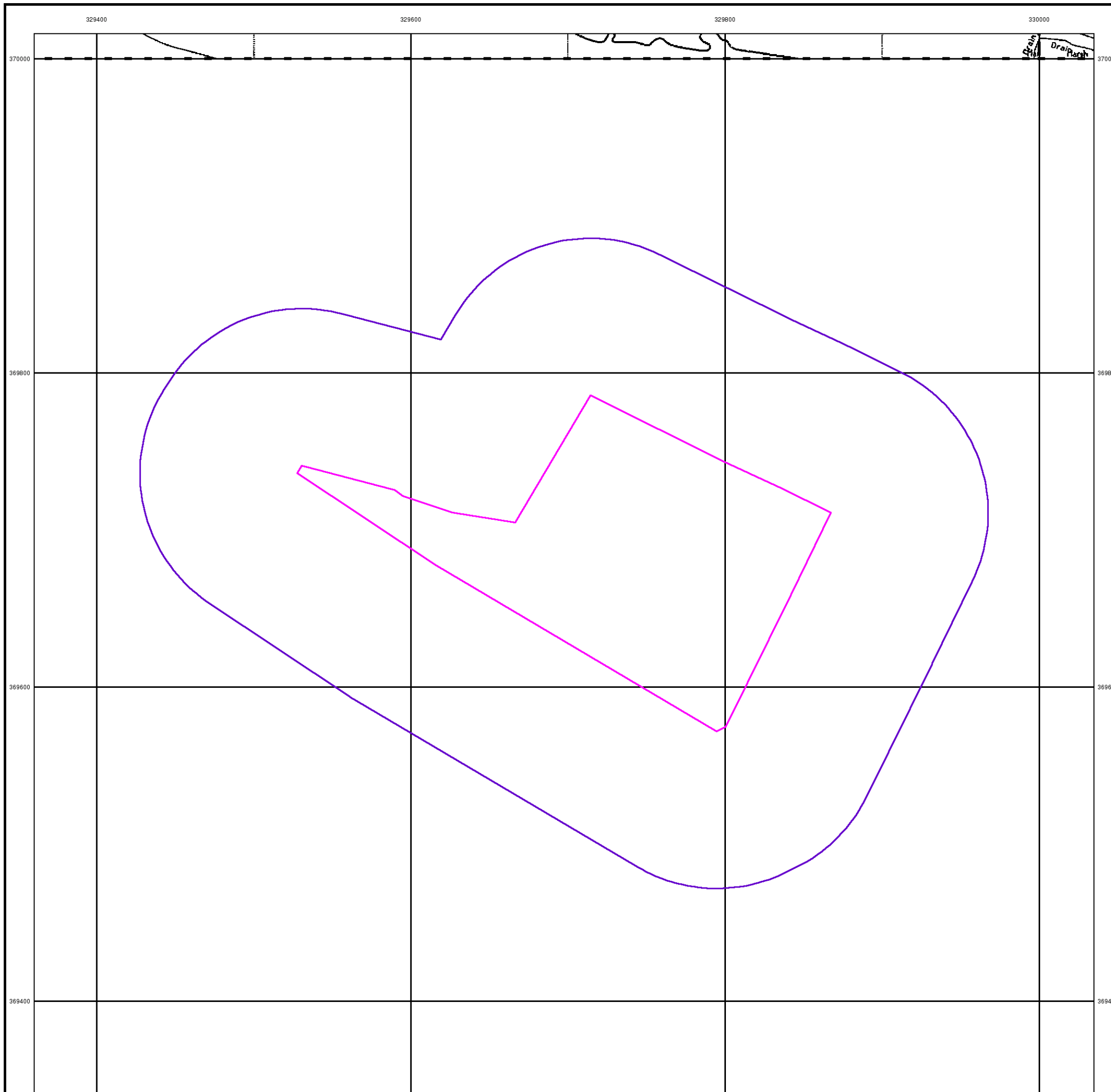


**Order Details**

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 100

**Site Details**

Site at 329750, 369710





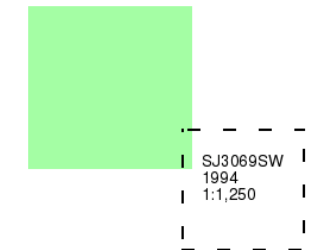
### Large-Scale National Grid Data

Published 1994

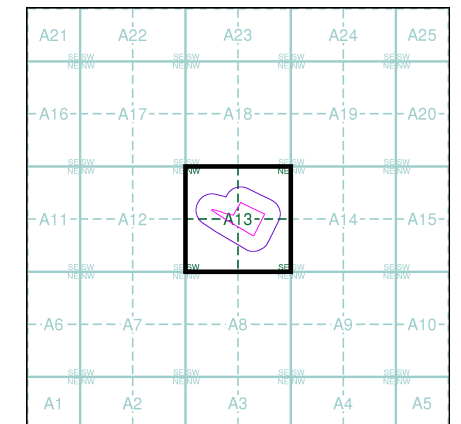
Source map scale - 1:1,250

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

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



### Historical Map - Segment A13

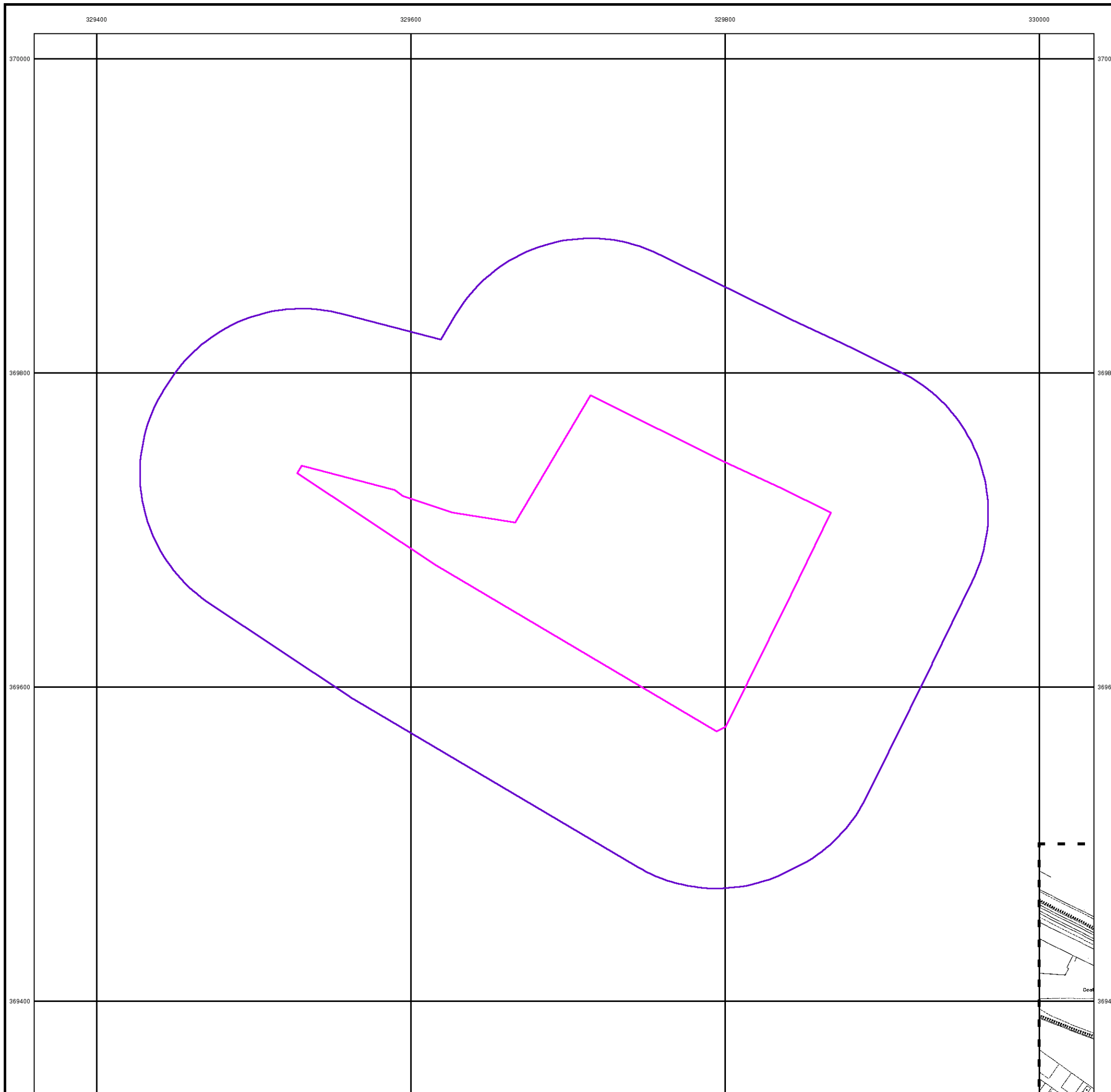


### Order Details

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 100

### Site Details

Site at 329750, 369710



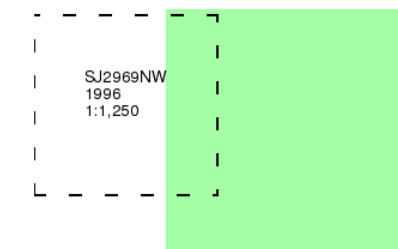
### Large-Scale National Grid Data

Published 1996

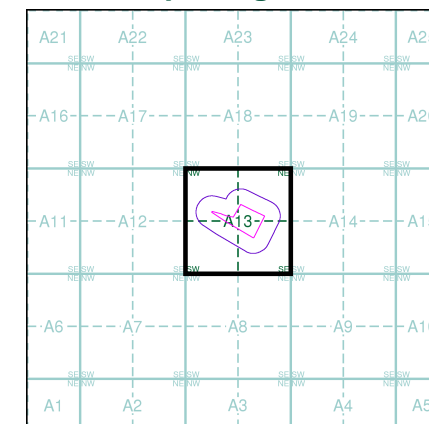
Source map scale - 1:1,250

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

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



#### Historical Map - Segment A13



#### Order Details

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 100

#### Site Details

Site at 329750, 369710



329400

329600

329800

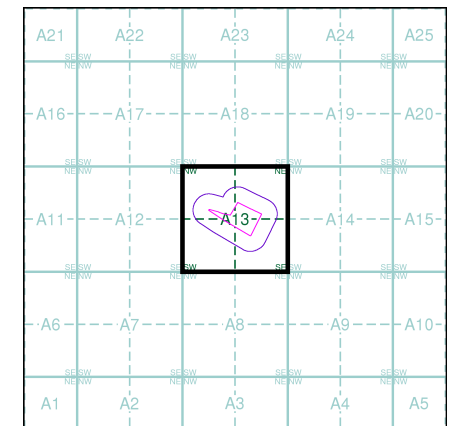
330000

## Historical Aerial Photography

**Published 2001**

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

### Historical Aerial Photography - Segment A13



#### Order Details

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 100

#### Site Details

Site at 329750, 369710

370000

370000

369800

369800

369600

369600

369400

369400



# 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

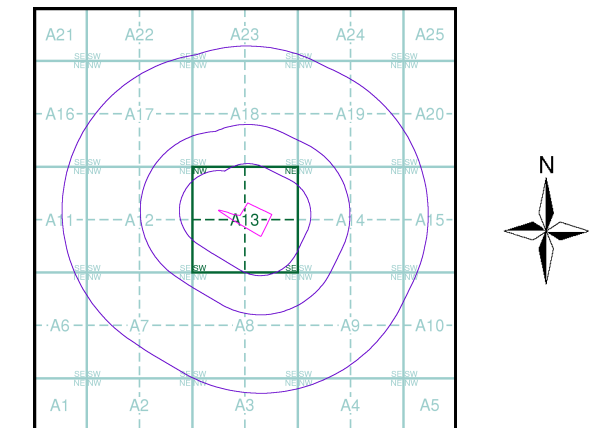
## 1:10,000 Raster Mapping

	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

## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Flintshire	1:10,560	1871	2
Cheshire	1:10,560	1882	3
Cheshire	1:10,560	1899 - 1900	4
Flintshire	1:10,560	1900	5
Flintshire	1:10,560	1913	6
Cheshire	1:10,560	1913 - 1914	7
Flintshire	1:10,560	1938	8
Cheshire	1:10,560	1938	9
Flintshire	1:10,560	1954	10
Ordnance Survey Plan	1:10,000	1954	11
Ordnance Survey Plan	1:10,000	1963 - 1969	12
Ordnance Survey Plan	1:10,000	1967	13
Ordnance Survey Plan	1:10,000	1969	14
Ordnance Survey Plan	1:10,000	1970 - 1978	15
Ordnance Survey Plan	1:10,000	1982 - 1983	16
Ordnance Survey Plan	1:10,000	1988	17
Ordnance Survey Plan	1:10,000	1992 - 1994	18
10K Raster Mapping	1:10,000	1999 - 2000	19
10K Raster Mapping	1:10,000	2006	20
VectorMap Local	1:10,000	2018	21

## Historical Map - Slice A



## Order Details

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 1000

## Site Details

Site at 329750, 369710

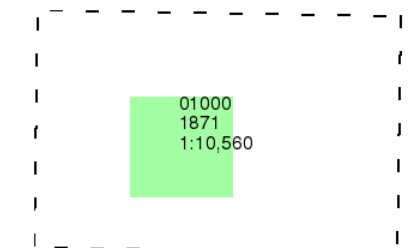
**Flintshire**

**Published 1871**

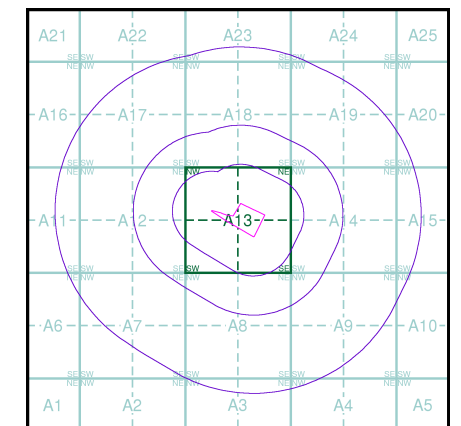
**Source map scale - 1:10,560**

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**

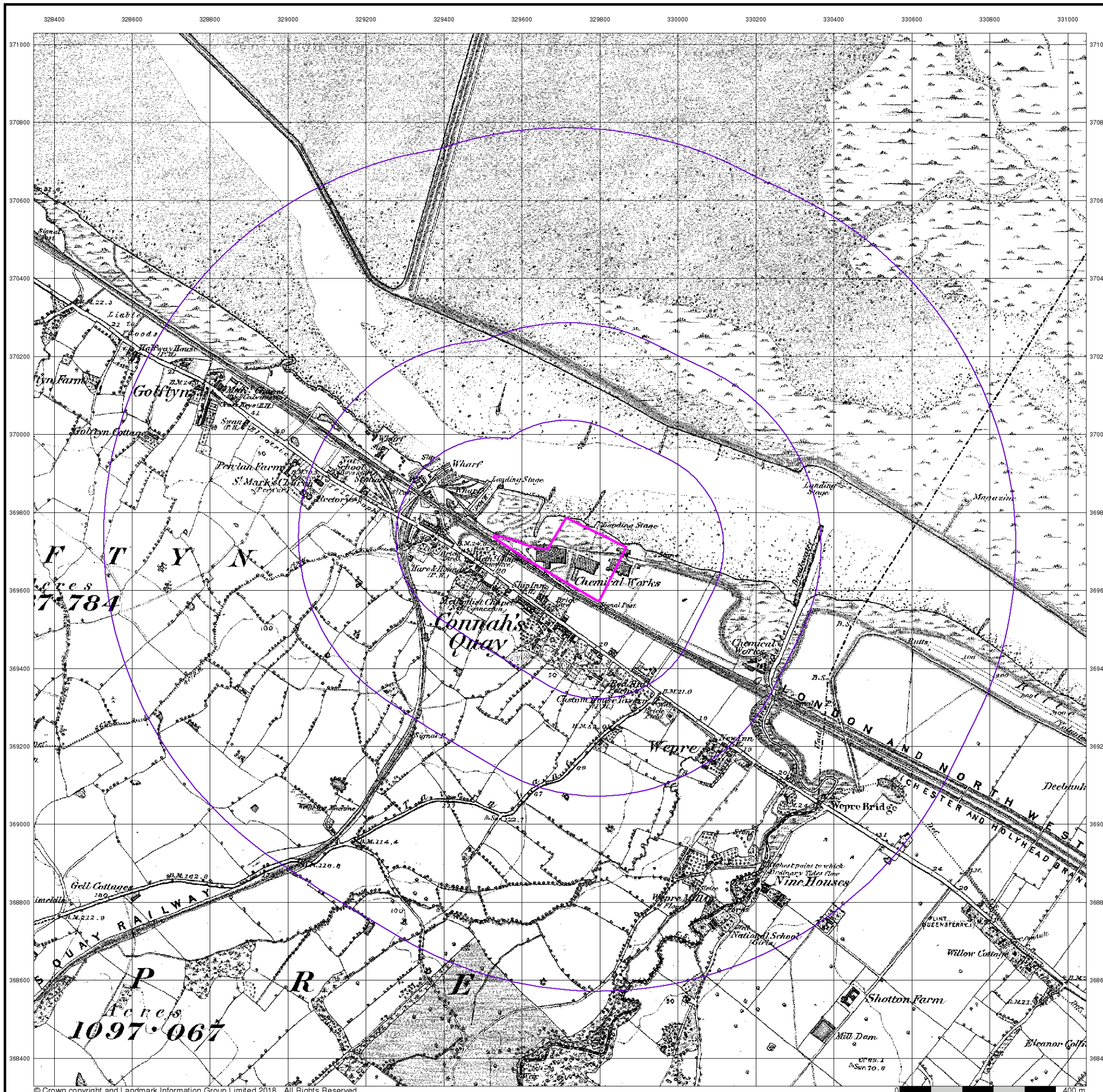


**Order Details**

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 1000

**Site Details**

Site at 329750, 369710



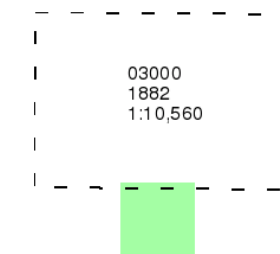
**Cheshire**

**Published 1882**

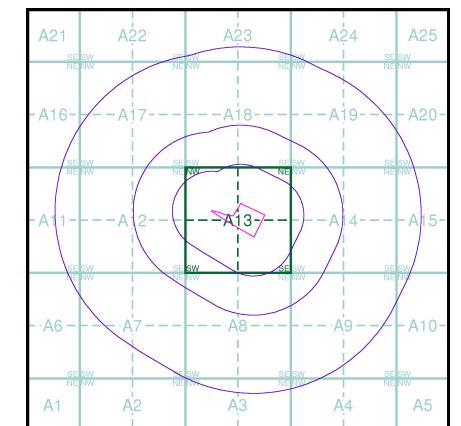
**Source map scale - 1:10,560**

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**

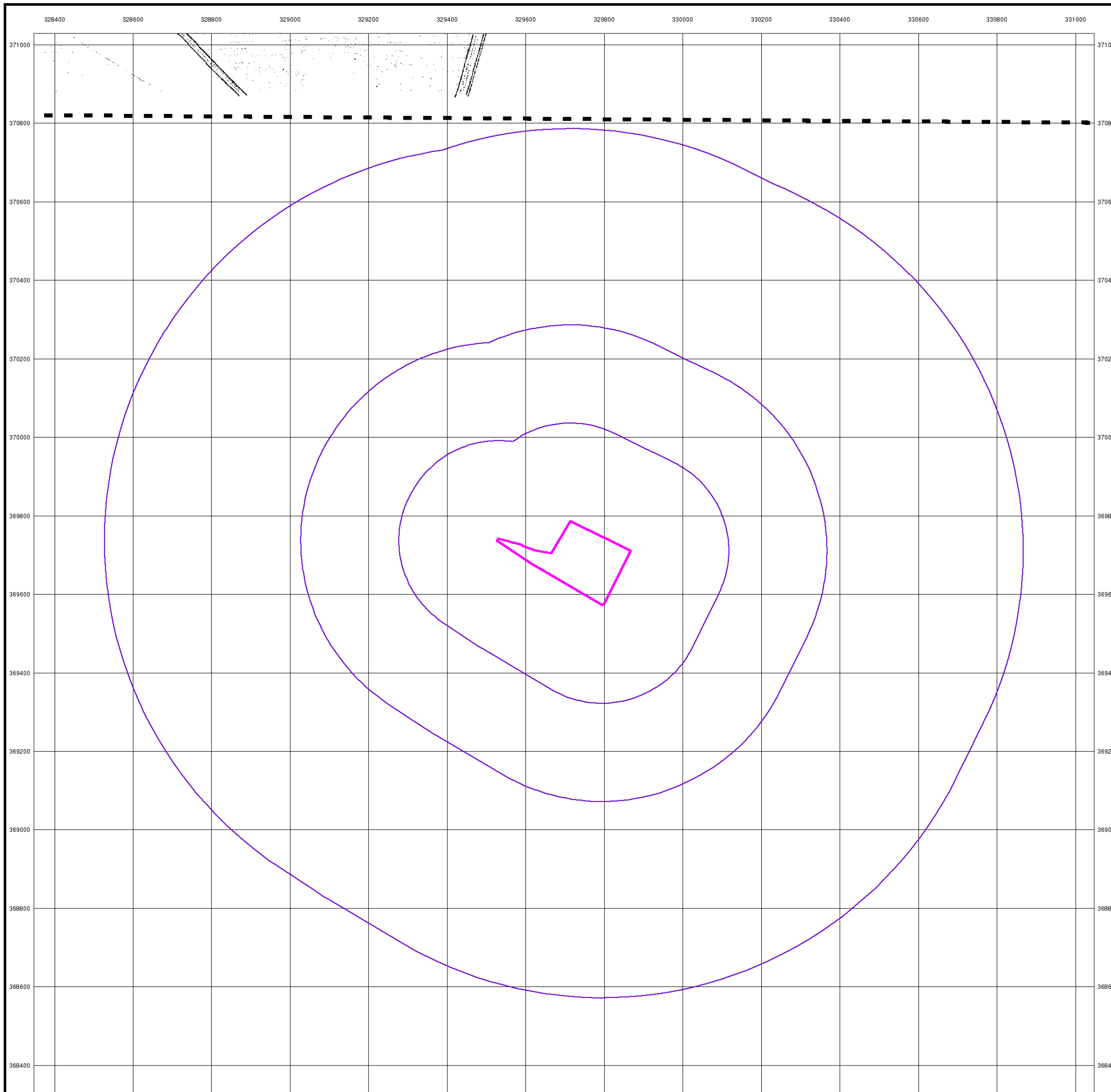


**Order Details**

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 1000

**Site Details**

Site at 329750, 369710



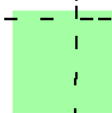
**Cheshire**

**Published 1899 - 1900**

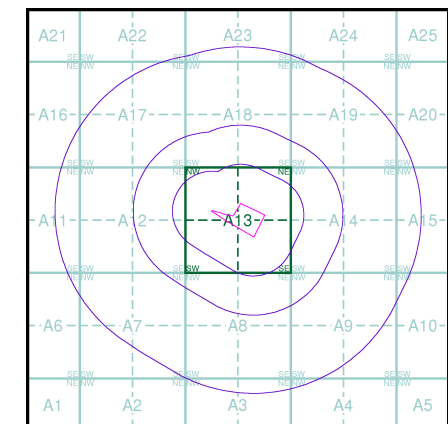
**Source map scale - 1:10,560**

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

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

030SW 1900 1:10,560	030SE 1899 1:10,560
	
038ANE 1900 1:10,560	

**Historical Map - Slice A**

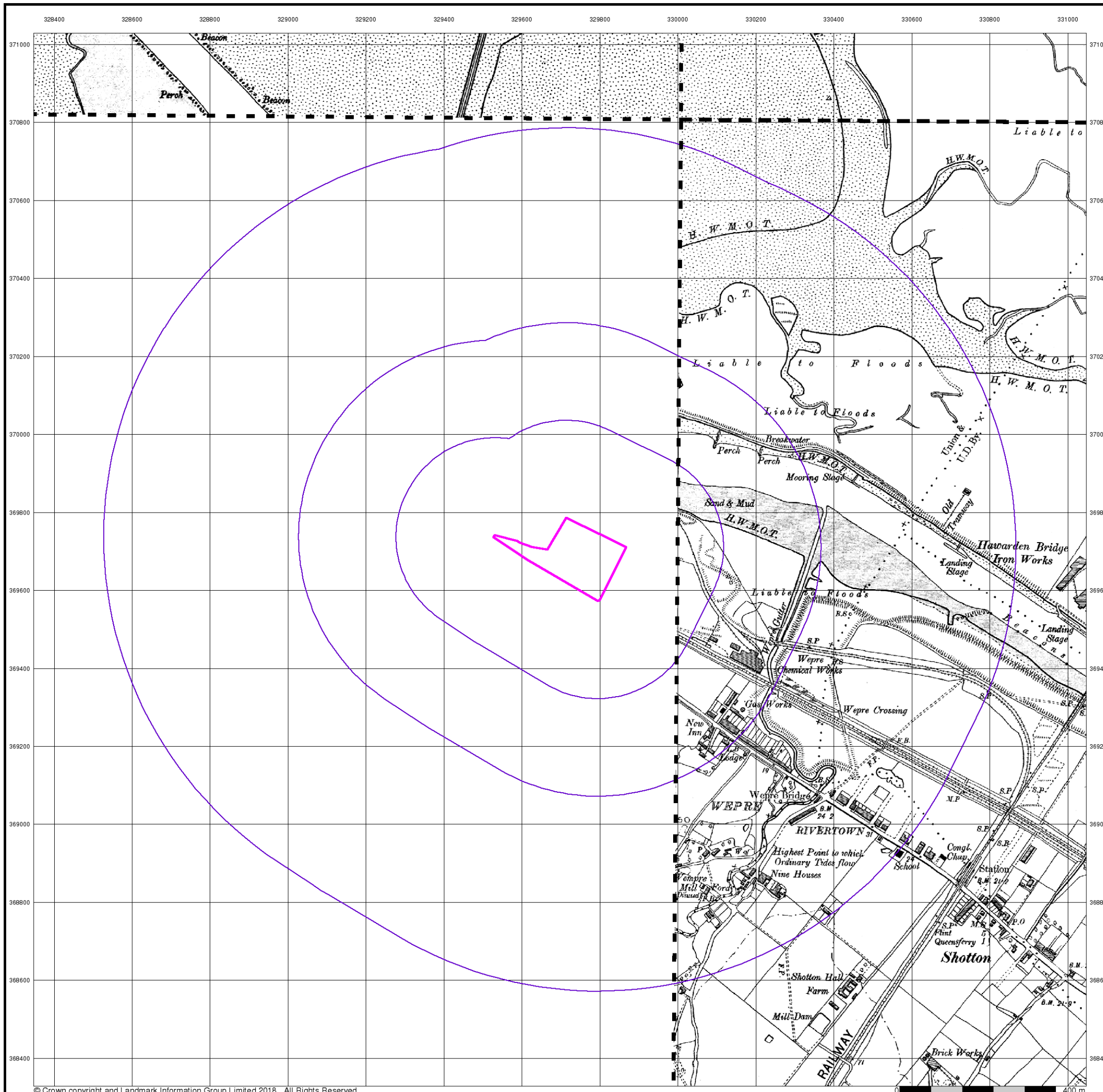


**Order Details**

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 1000

**Site Details**

Site at 329750, 369710



**Flintshire**

**Published 1900**

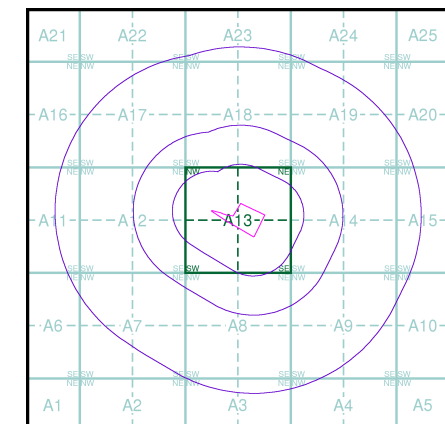
**Source map scale - 1:10,560**

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

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

010NW 1900 1:10,560	010NE 1900 1:10,560
010SW 1900 1:10,560	010SE 1900 1:10,560

**Historical Map - Slice A**

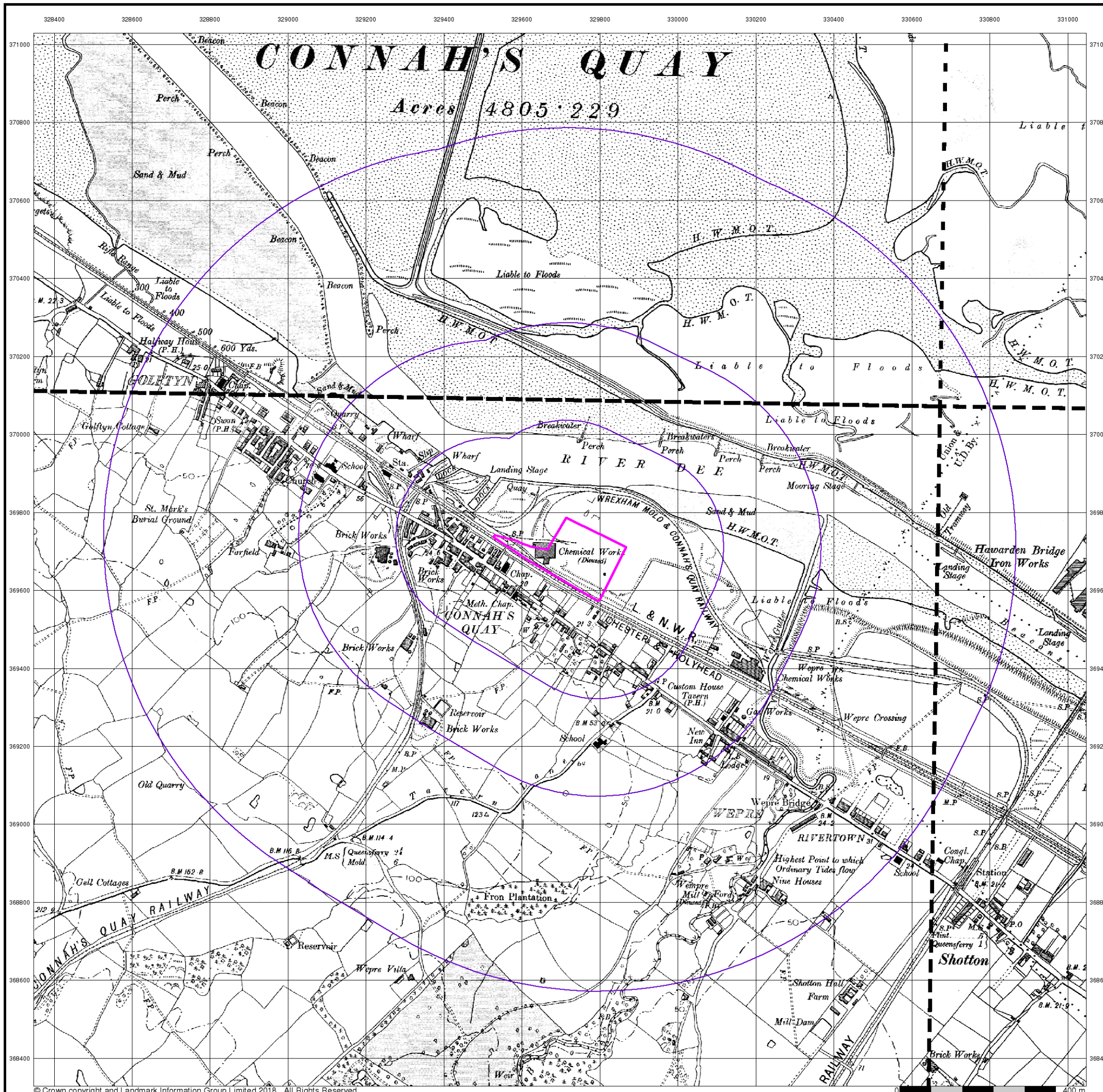


**Order Details**

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 1000

**Site Details**

Site at 329750, 369710



**Flintshire**

**Published 1913**

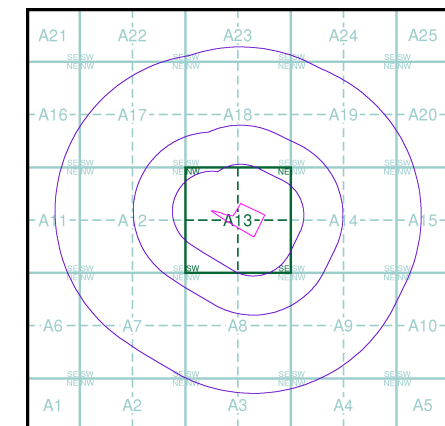
**Source map scale - 1:10,560**

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)**

010NW 1913 1:10,560	010NE 1913 1:10,560
010SW 1913 1:10,560	010SE 1913 1:10,560

**Historical Map - Slice A**

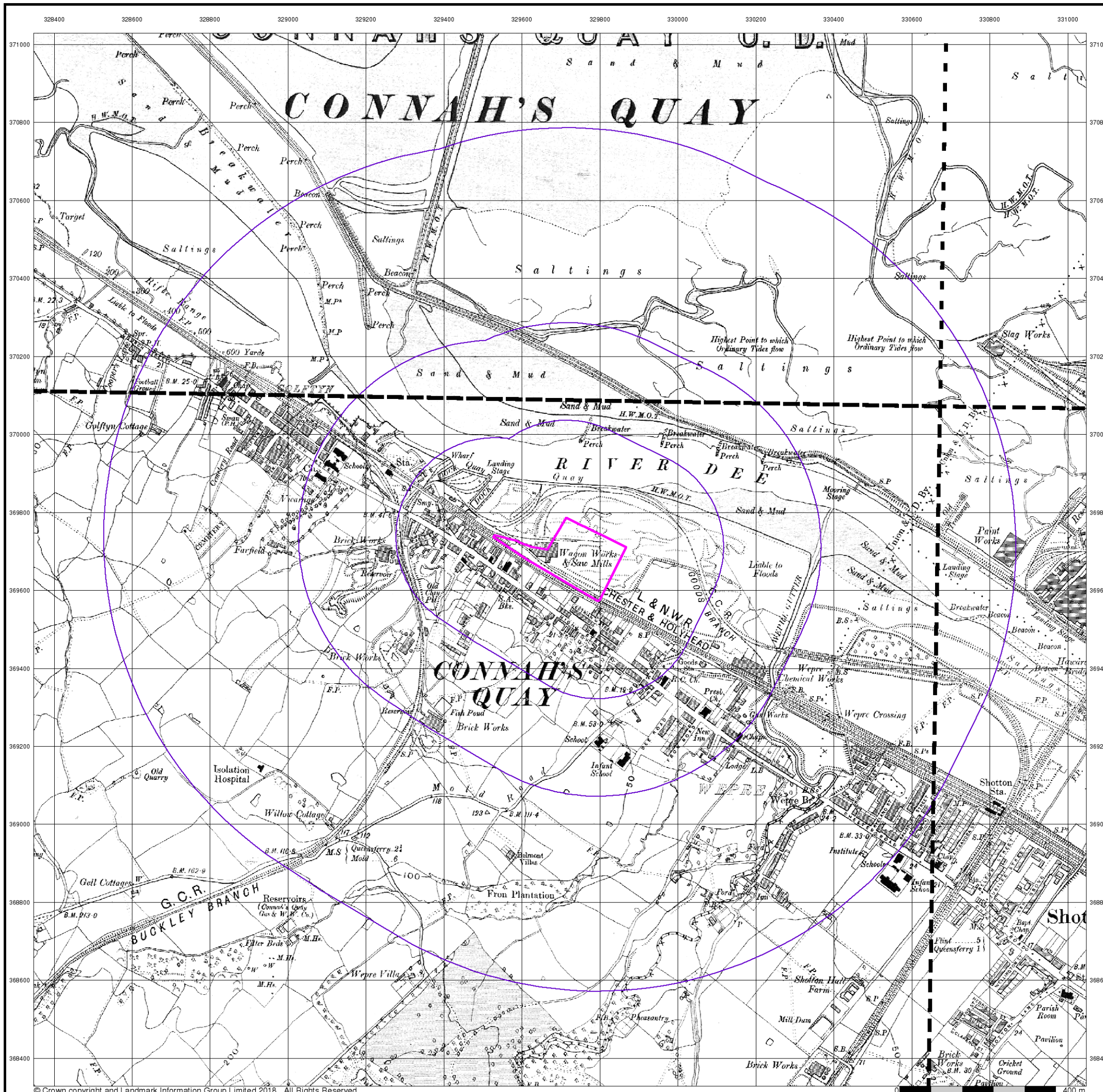


**Order Details**

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 1000

**Site Details**

Site at 329750, 369710



**Cheshire**

**Published 1913 - 1914**

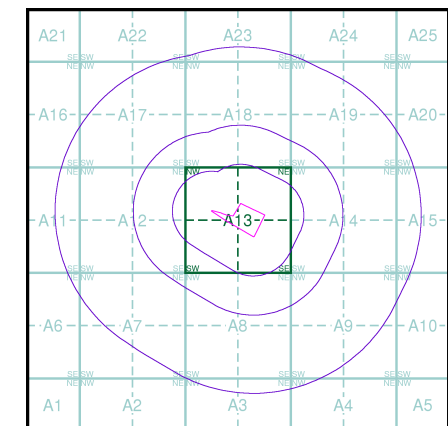
**Source map scale - 1:10,560**

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

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

030SW 1913 1:10,560	030SE 1913 1:10,560
038ANE 1914 1:10,560	

**Historical Map - Slice A**

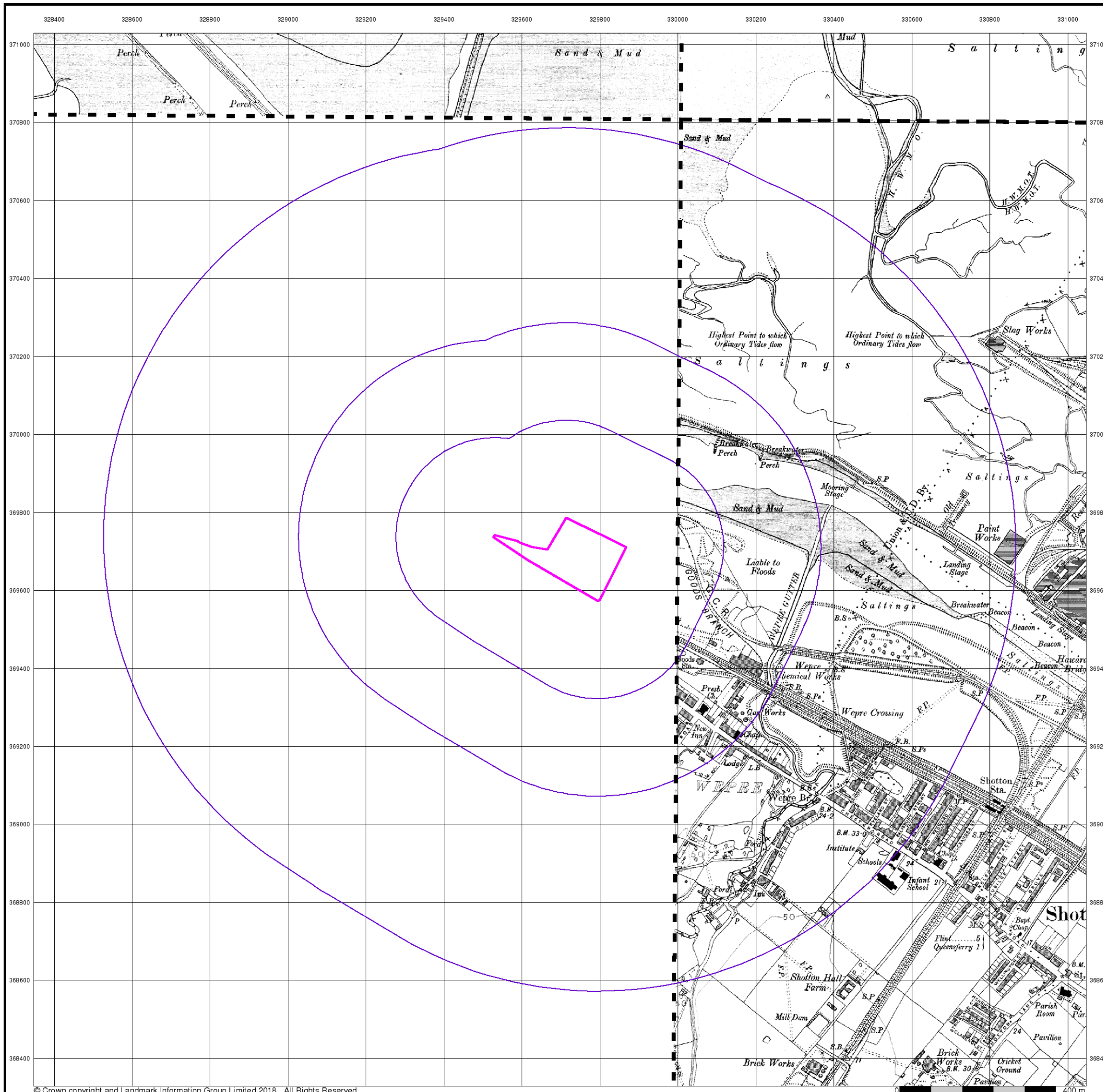


**Order Details**

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 1000

**Site Details**

Site at 329750, 369710



**Flintshire**

**Published 1938**

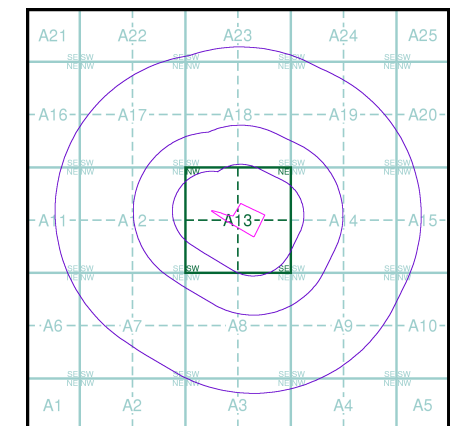
**Source map scale - 1:10,560**

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

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

010NW 1938 1:10,560	010NE 1938 1:10,560
010SW 1938 1:10,560	010SE 1938 1:10,560

**Historical Map - Slice A**

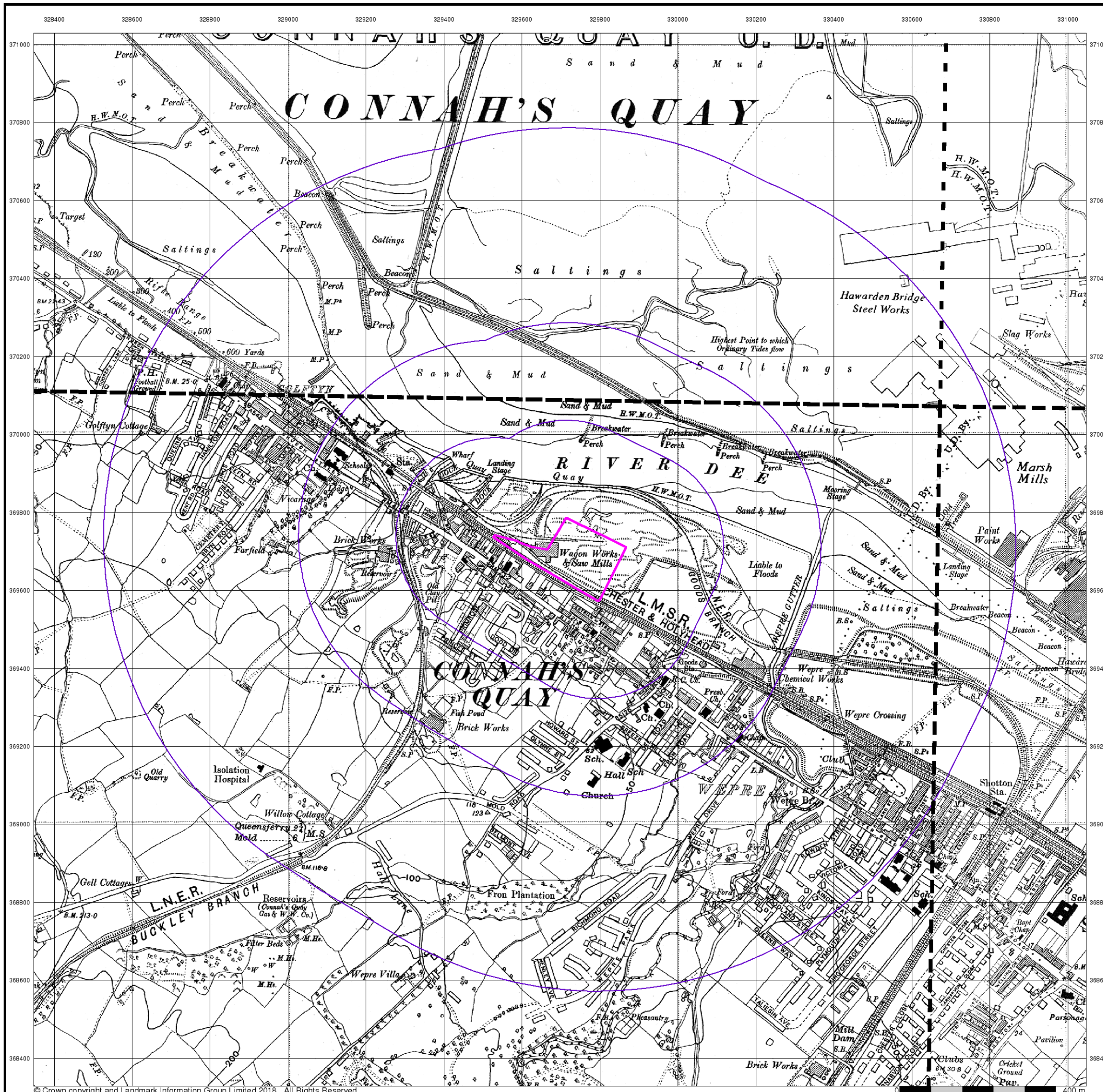


**Order Details**

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 1000

**Site Details**

Site at 329750, 369710



**Cheshire**

**Published 1938**

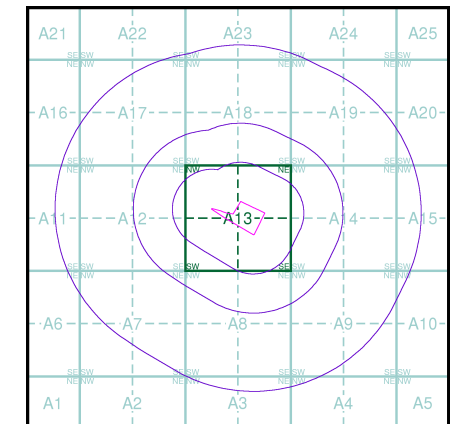
**Source map scale - 1:10,560**

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

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

030SW  
1938  
1:10,560

**Historical Map - Slice A**

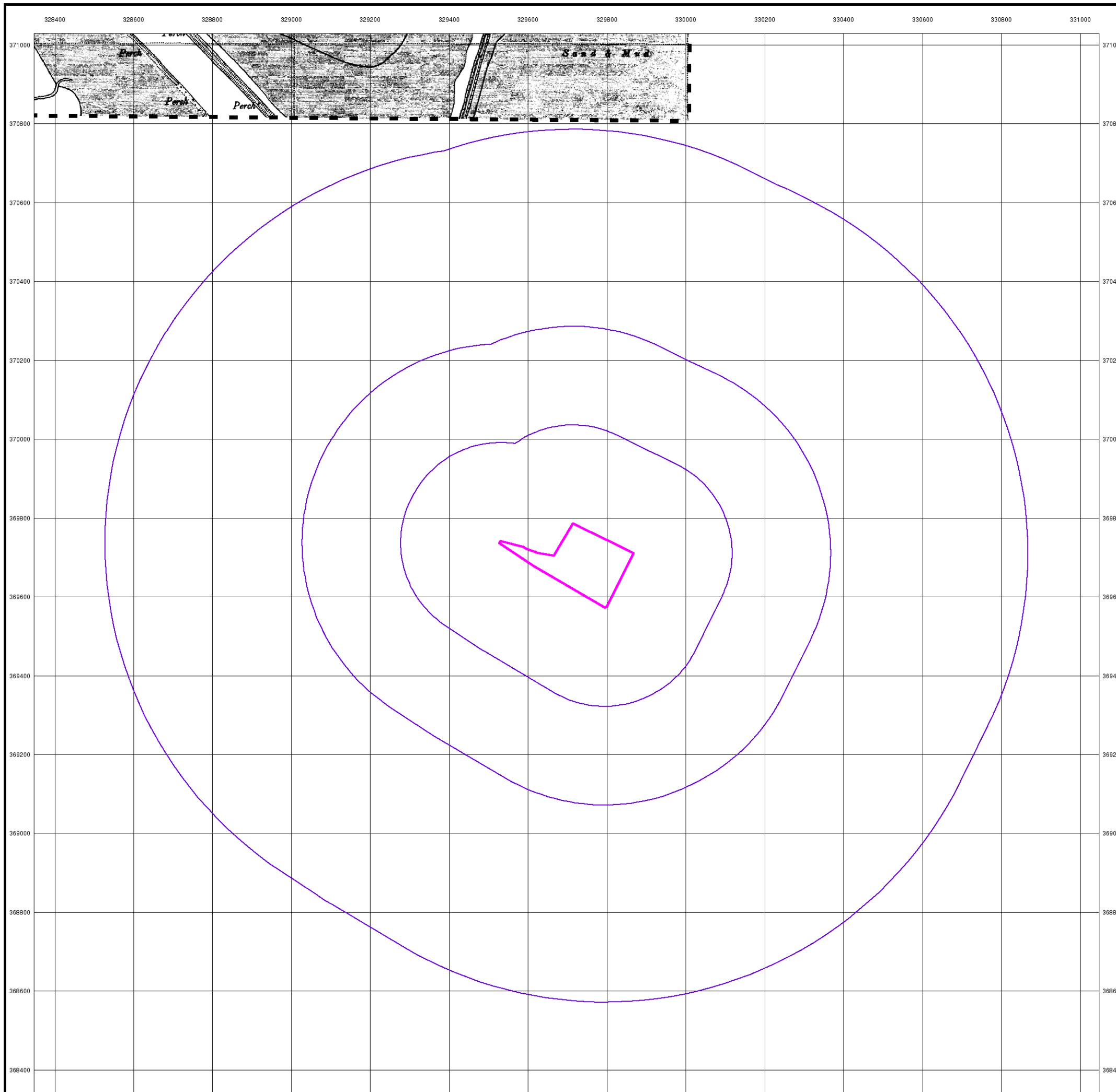


**Order Details**

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 1000

**Site Details**

Site at 329750, 369710



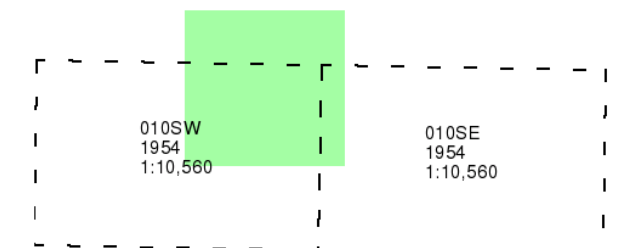
**Flintshire**

**Published 1954**

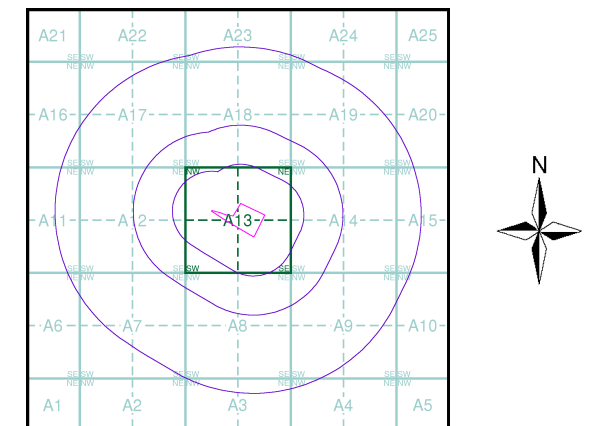
**Source map scale - 1:10,560**

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)**



**Historical Map - Slice A**

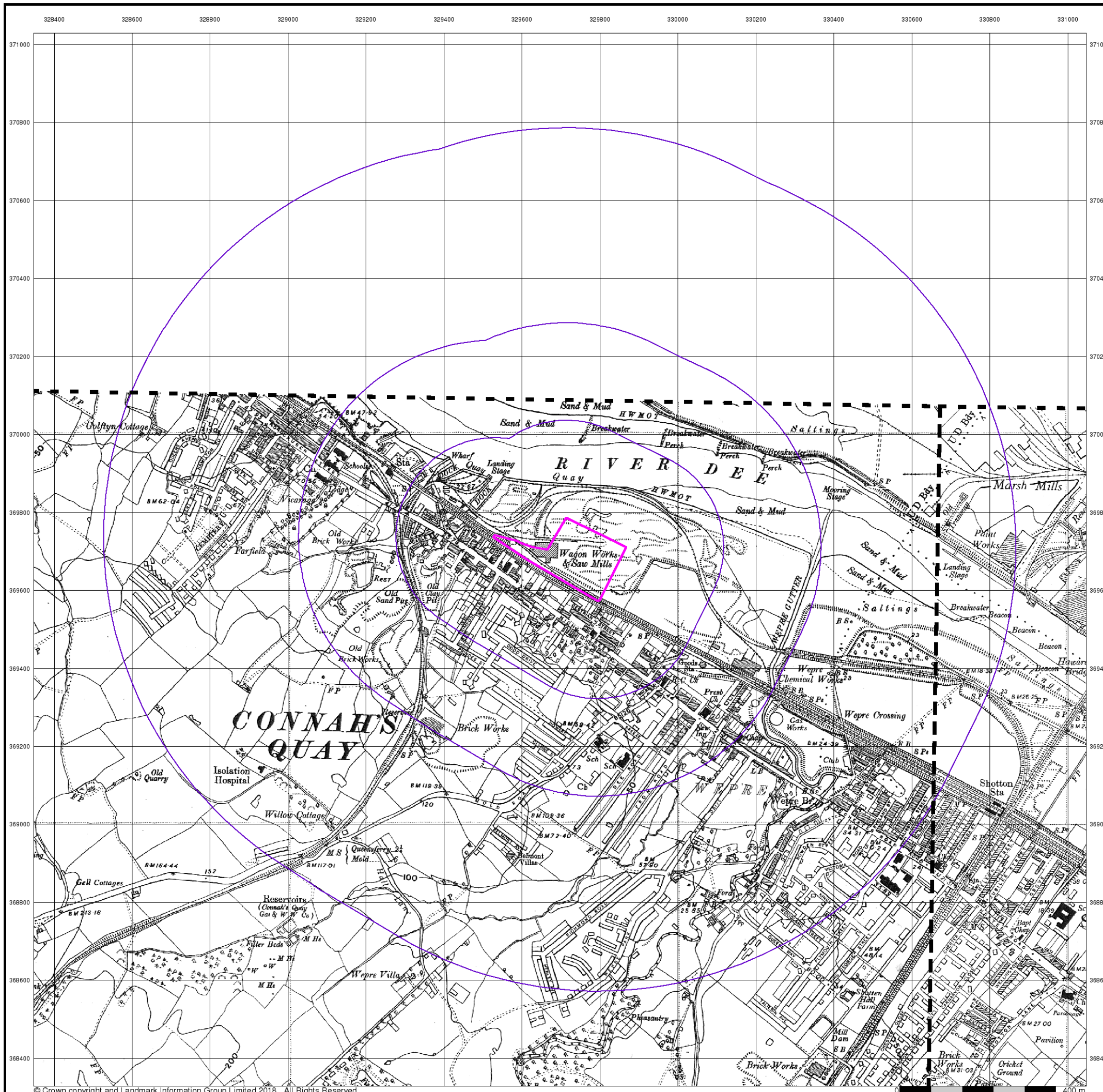


**Order Details**

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 1000

**Site Details**

Site at 329750, 369710



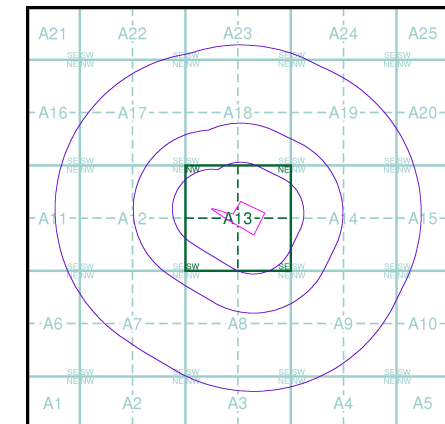
**Ordnance Survey Plan**  
**Published 1954**  
**Source map scale - 1:10,000**

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)**

SJ27SE 1954 1:10,560	SJ37SW 1954 1:10,560
----------------------------	----------------------------

**Historical Map - Slice A**

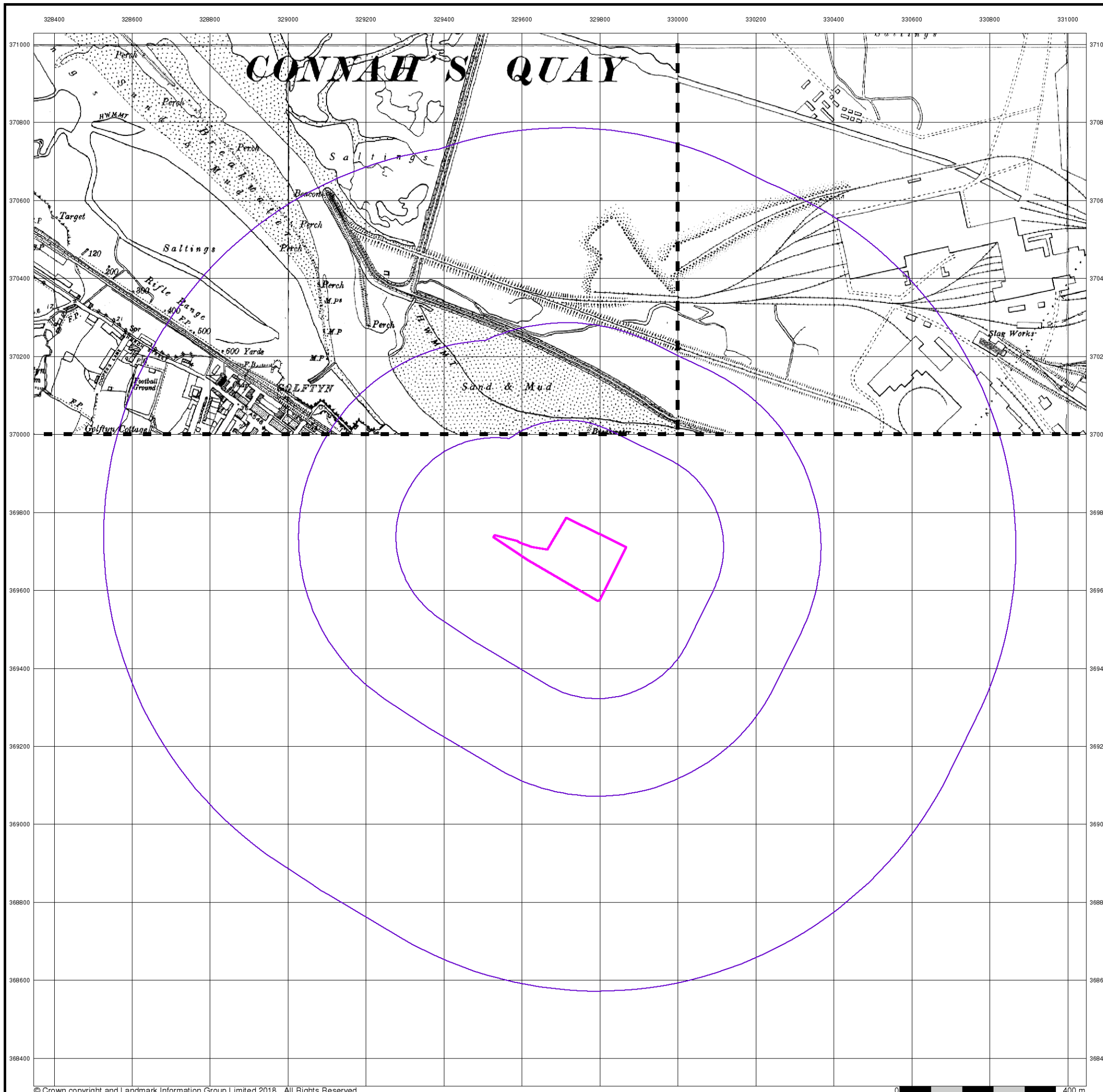


**Order Details**

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 1000

**Site Details**

Site at 329750, 369710



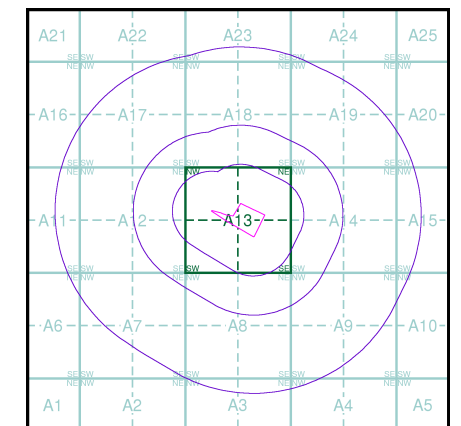
**Ordnance Survey Plan**  
**Published 1963 - 1969**  
**Source map scale - 1:10,000**

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)**

SJ27SE	SJ37SW
1969	1966
1:10,560	1:10,560
SJ26NE	SJ36NW
1963	1963
1:10,560	1:10,560

**Historical Map - Slice A**

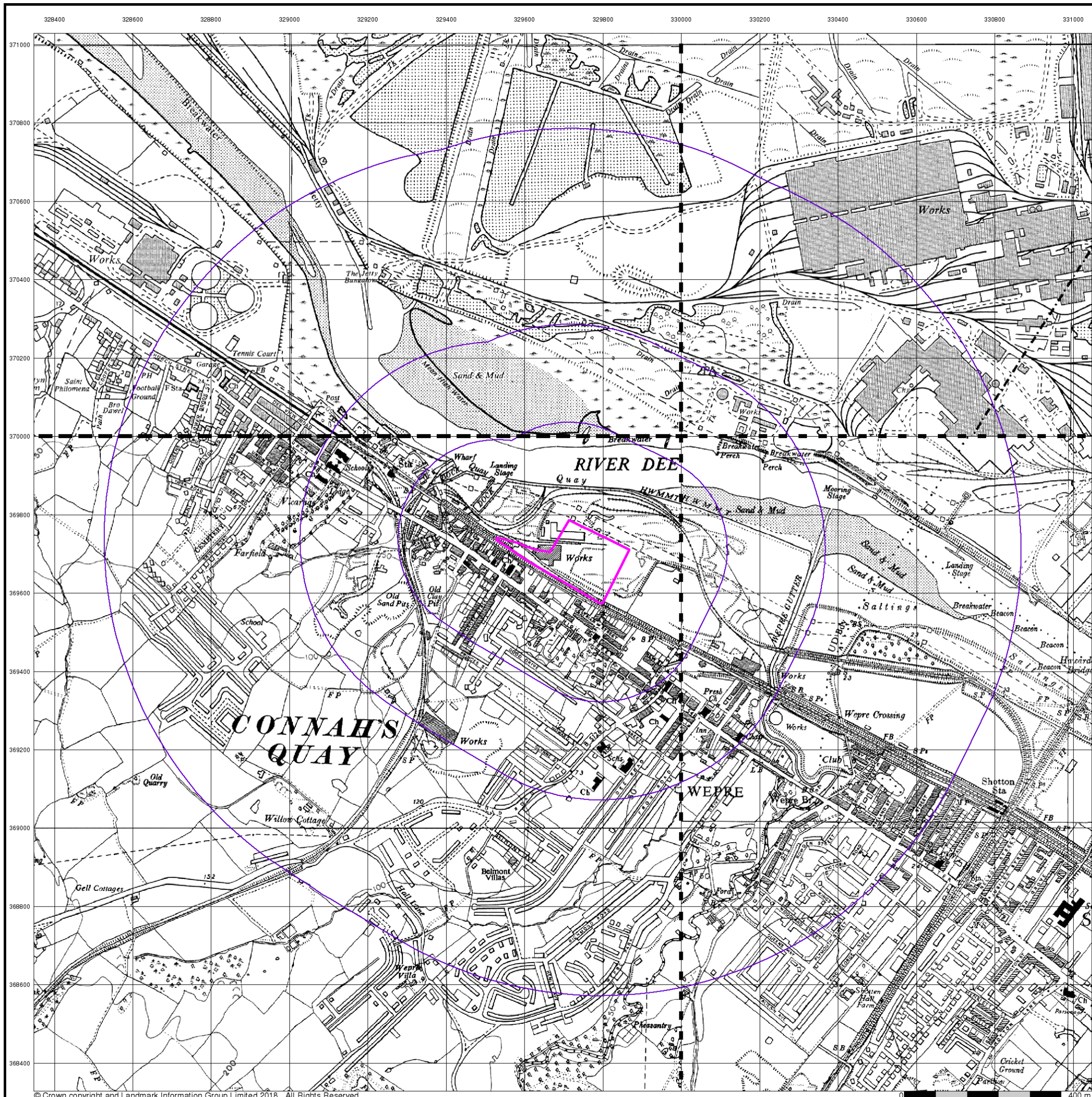


**Order Details**

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 1000

**Site Details**

Site at 329750, 369710



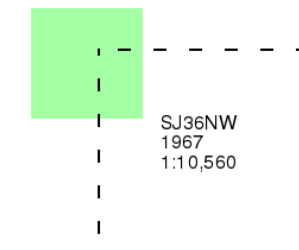
### Ordnance Survey Plan

Published 1967

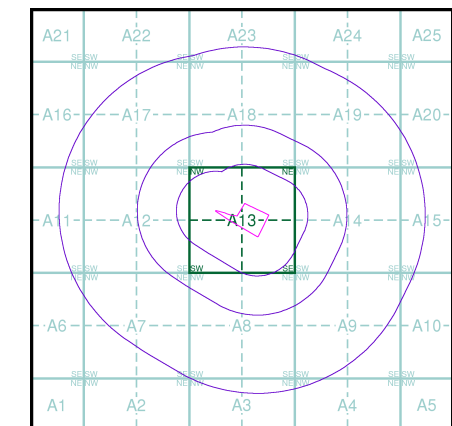
Source map scale - 1:10,000

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

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



### Historical Map - Slice A

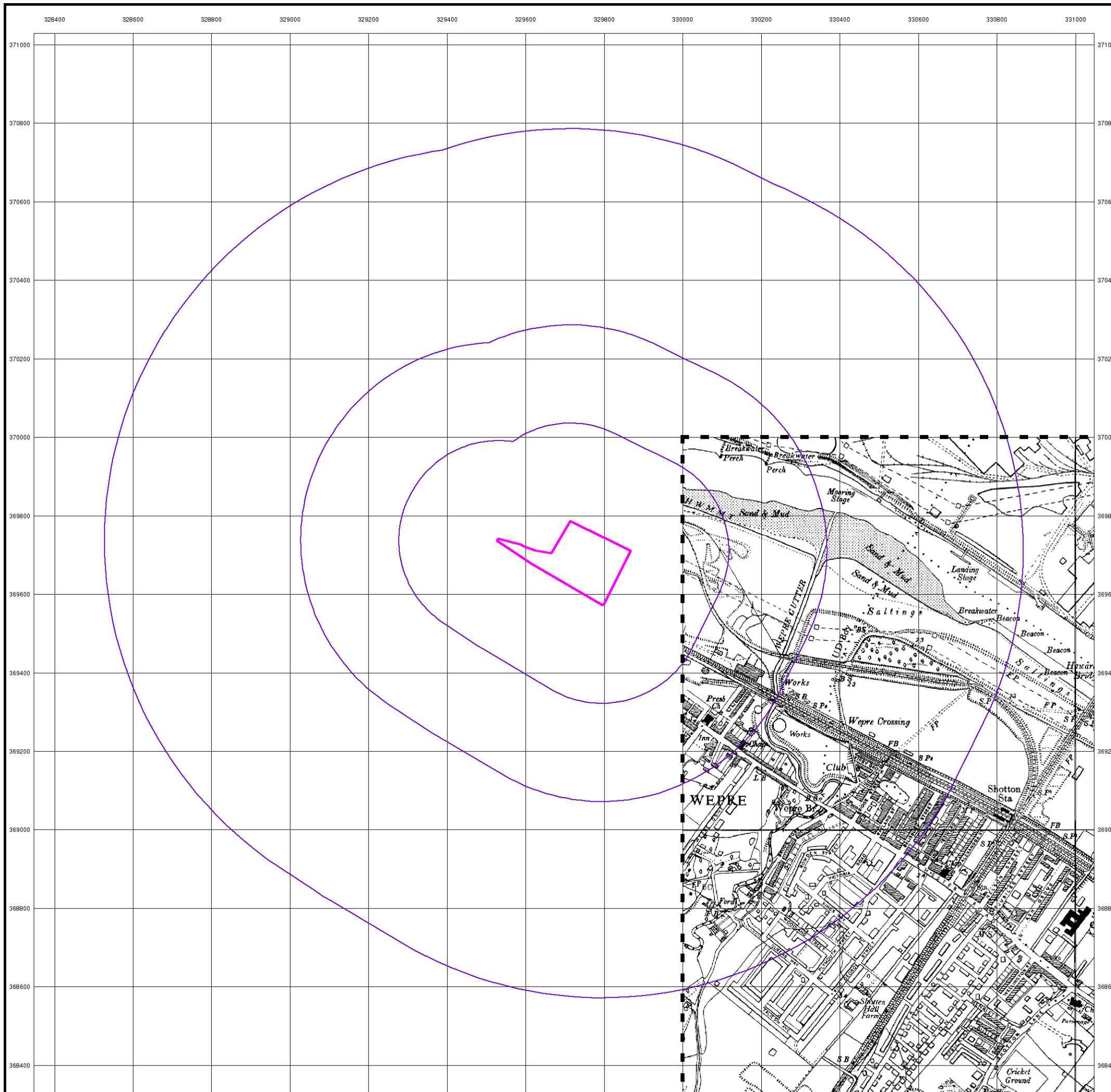


### Order Details

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 1000

### Site Details

Site at 329750, 369710



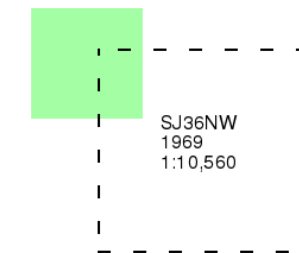
**Ordnance Survey Plan**

**Published 1969**

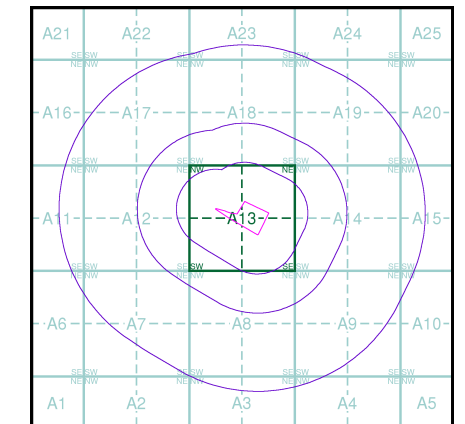
**Source map scale - 1:10,000**

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

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



**Historical Map - Slice A**



**Order Details**

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 1000

**Site Details**

Site at 329750, 369710



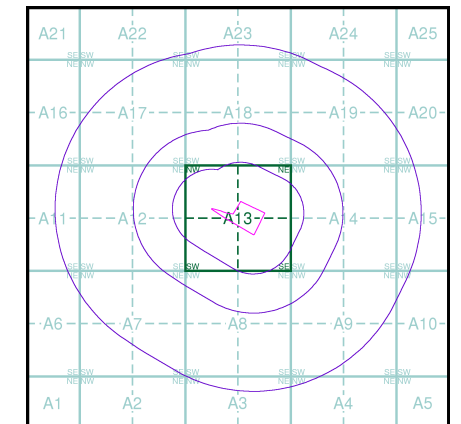
**Ordnance Survey Plan**  
**Published 1970 - 1978**  
**Source map scale - 1:10,000**

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)**

SJ37SW	1970	1:10,560
SJ26NE	1970	1:10,560
SJ36NW	1978	1:10,000

**Historical Map - Slice A**

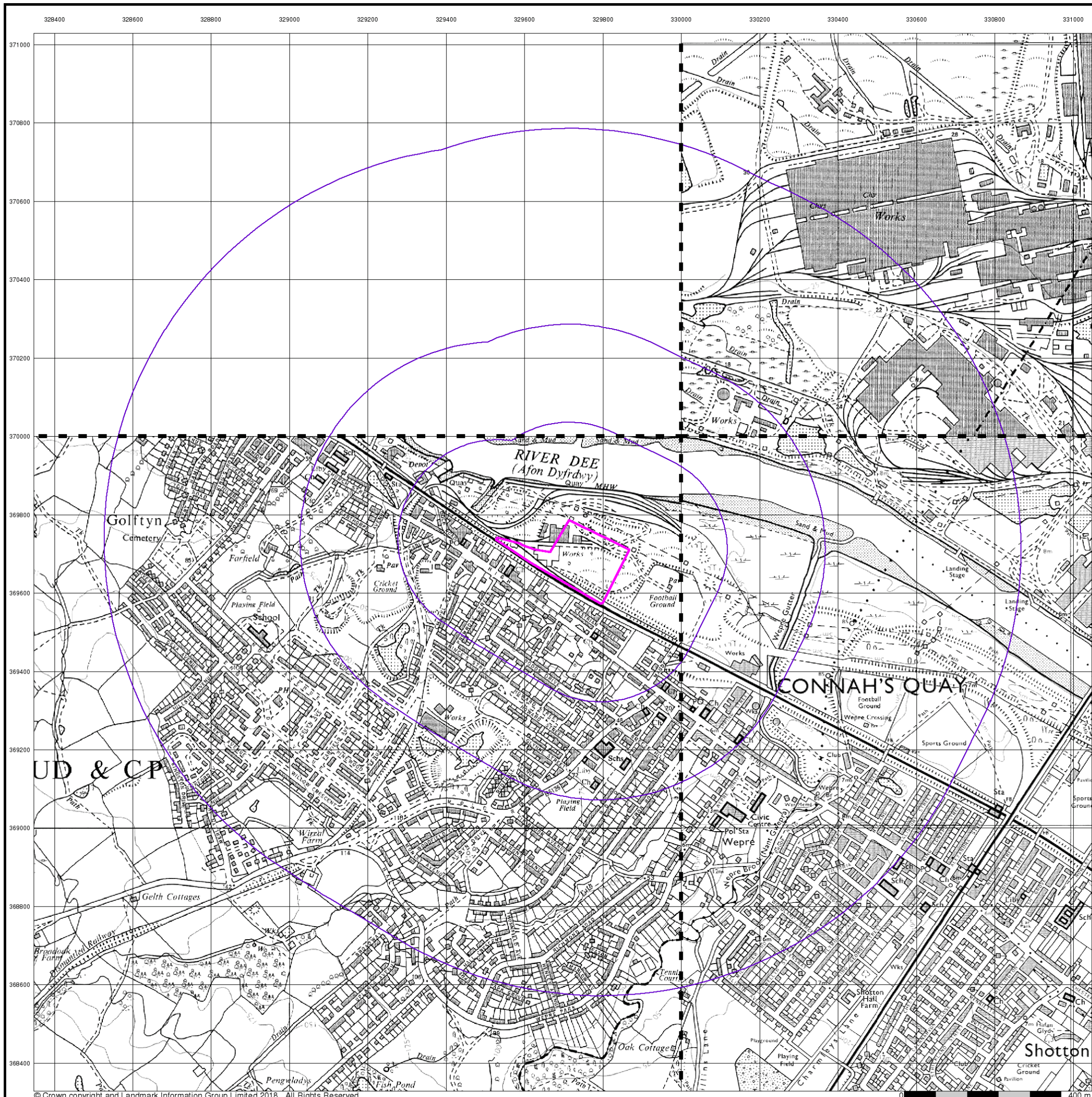


**Order Details**

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 1000

**Site Details**

Site at 329750, 369710





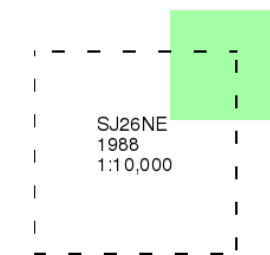
**Ordnance Survey Plan**

**Published 1988**

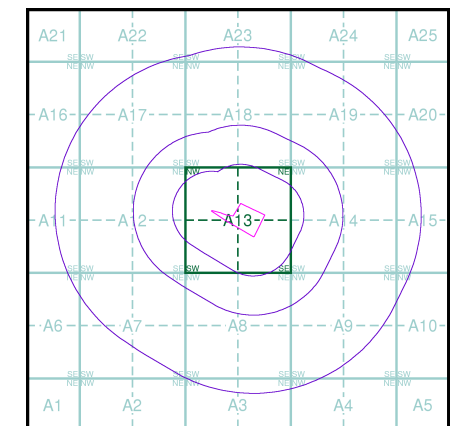
**Source map scale - 1:10,000**

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

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



**Historical Map - Slice A**

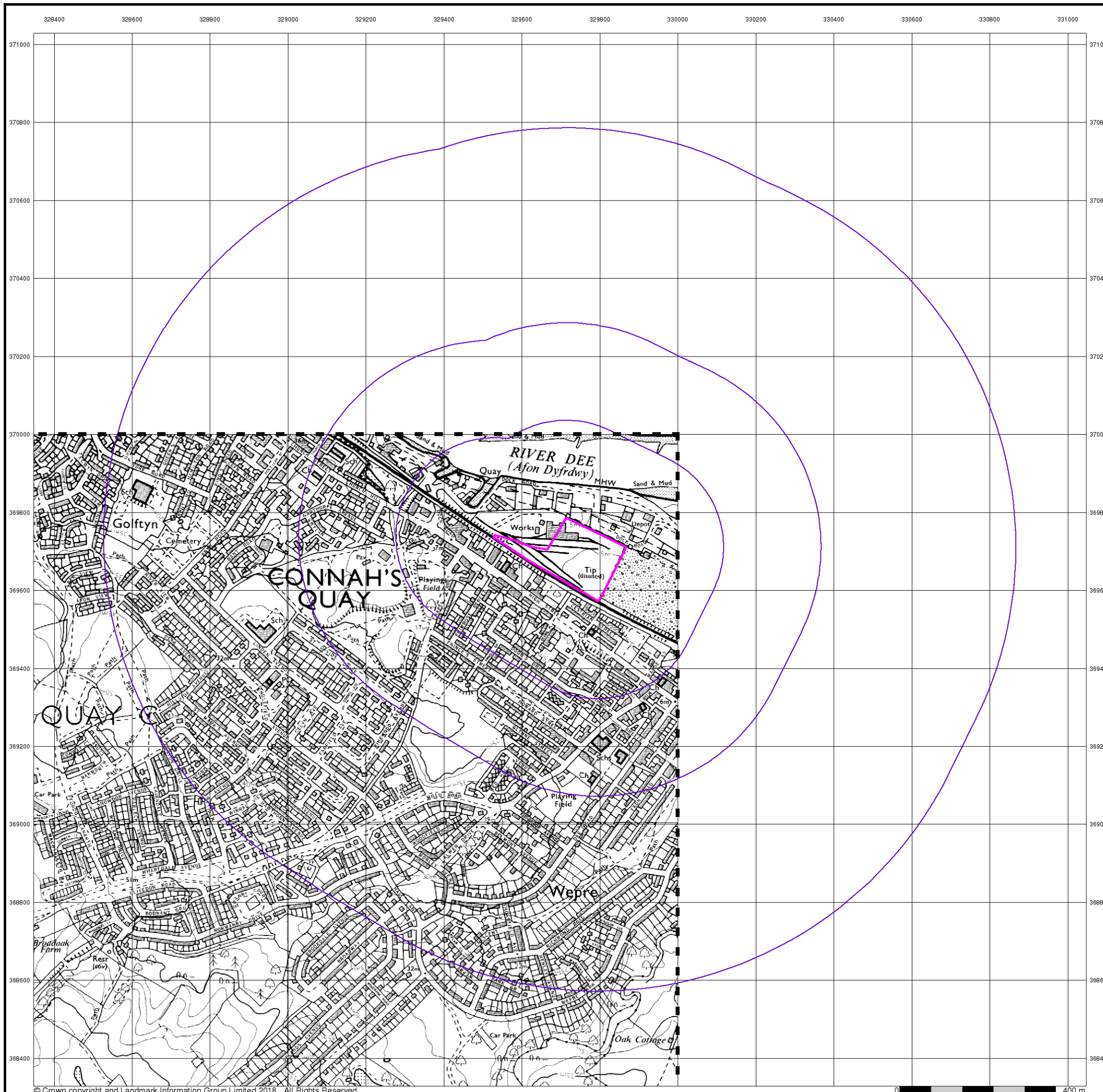


**Order Details**

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 1000

**Site Details**

Site at 329750, 369710



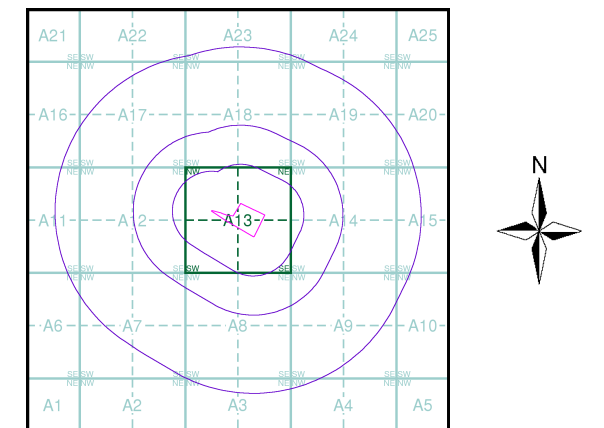
**Ordnance Survey Plan**  
**Published 1992 - 1994**  
**Source map scale - 1:10,000**

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)**

SJ37SW	1994	1:10,000
SJ26NE	1992	1:10,000
SJ36NW	1992	1:10,000

**Historical Map - Slice A**

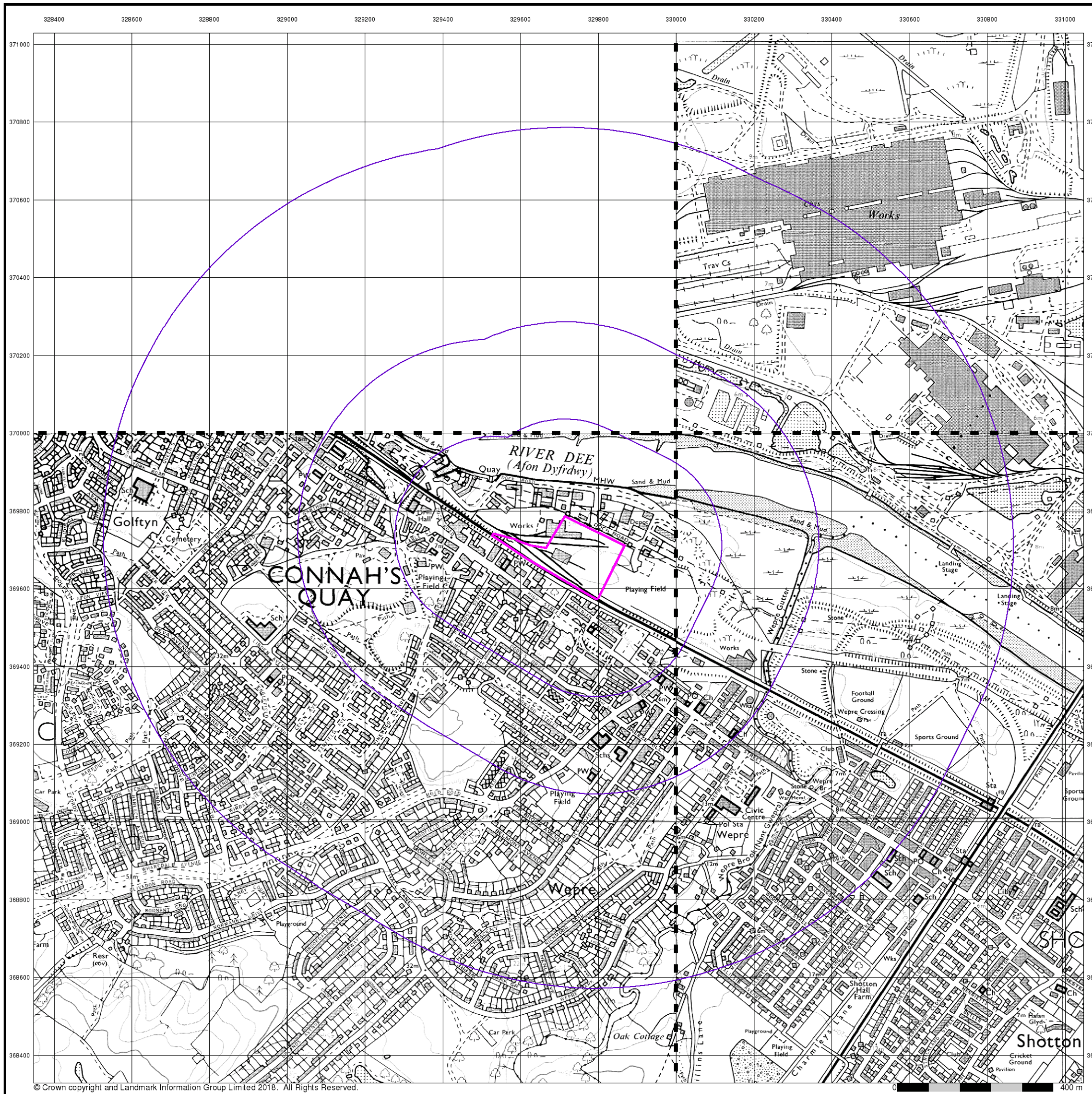


**Order Details**

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 1000

**Site Details**

Site at 329750, 369710



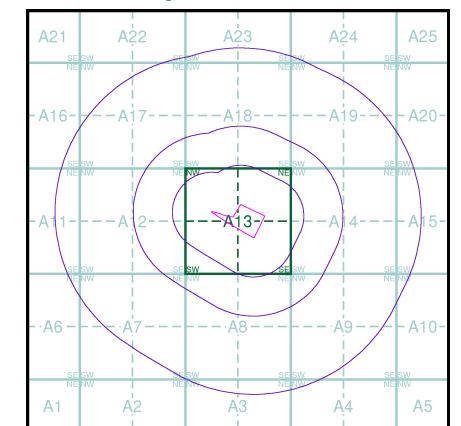
**10k Raster Mapping**  
**Published 1999 - 2000**  
**Source map scale - 1:10,000**

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)**

SJ27SE	SJ37SW
1999	1999
1:10,000	1:10,000
SJ26NE	SJ36NW
2000	2000
1:10,000	1:10,000

**Historical Map - Slice A**

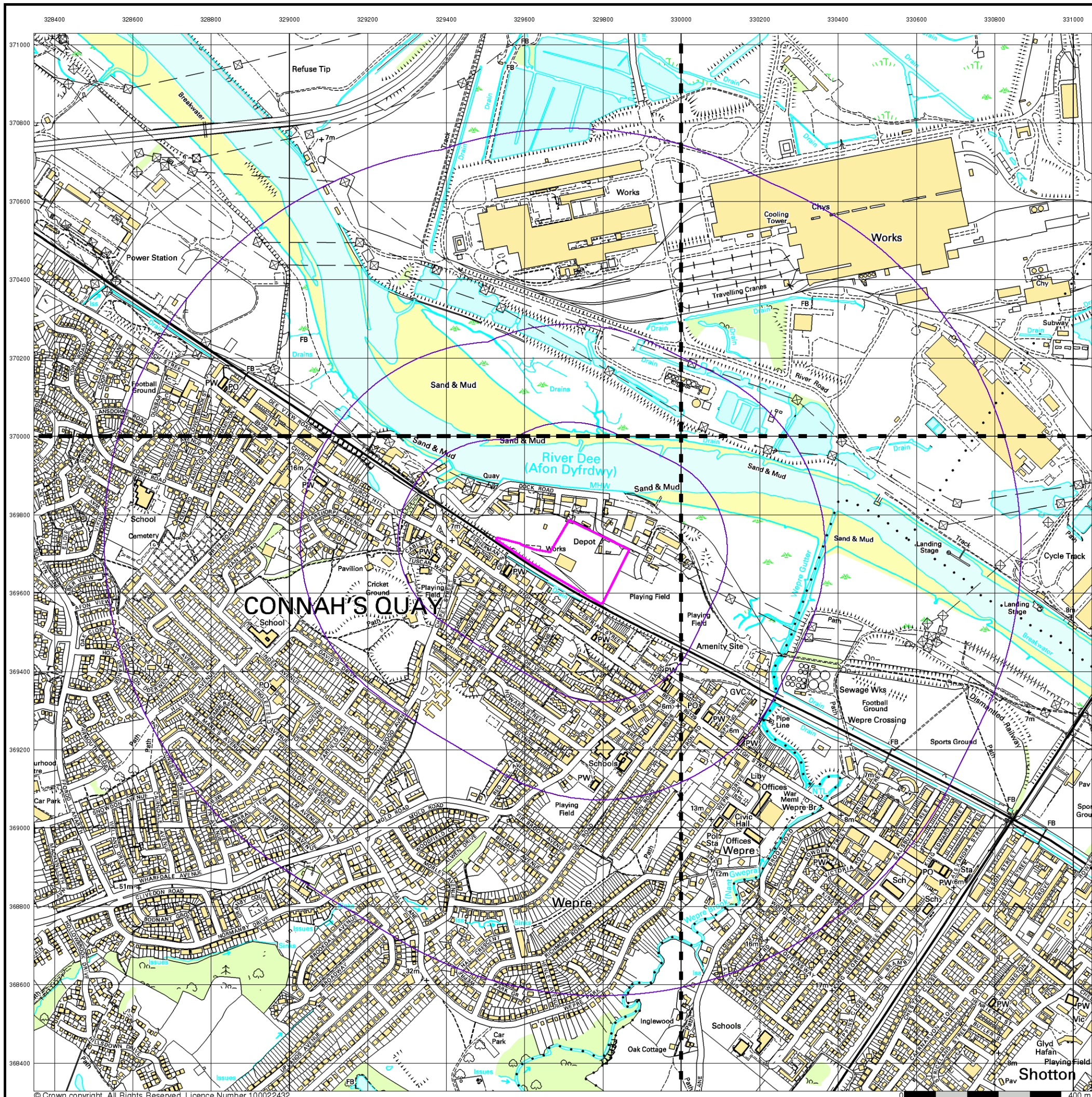


**Order Details**

Order Number: 156897968\_1\_1  
Customer Ref: 10018372  
National Grid Reference: 329710, 369690  
Slice: A  
Site Area (Ha): 3.01  
Search Buffer (m): 1000

**Site Details**

Site at 329750, 369710



© Crown copyright. All Rights Reserved. Licence Number 100022432.

### 10k Raster Mapping

Published 2006

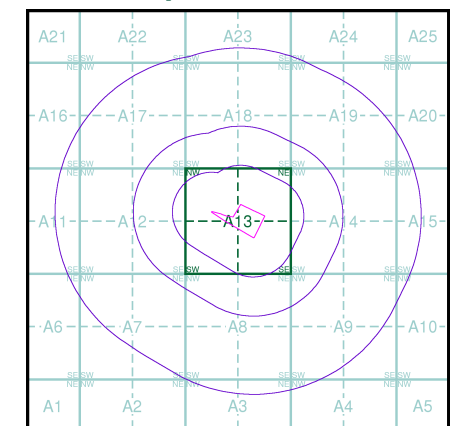
Source map scale - 1:10,000

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)

SJ27SE	SJ37SW
2006	2006
1:10,000	1:10,000
■	
SJ26NE	SJ36NW
2006	2006
1:10,000	1:10,000

### Historical Map - Slice A

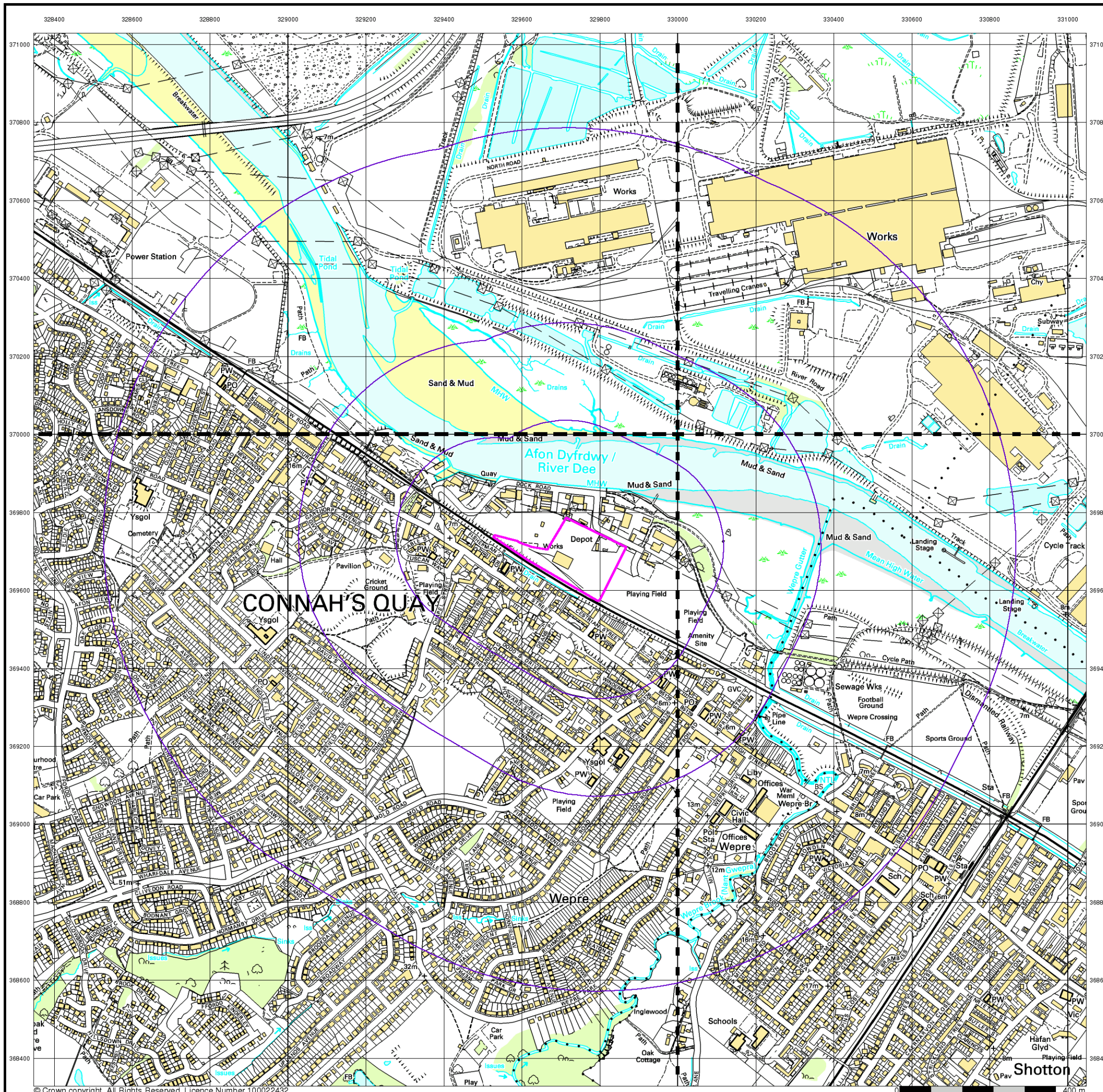


### Order Details

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 1000

### Site Details

Site at 329750, 369710



© Crown copyright. All Rights Reserved. Licence Number 100022432.

**VectorMap Local**

Published 2018

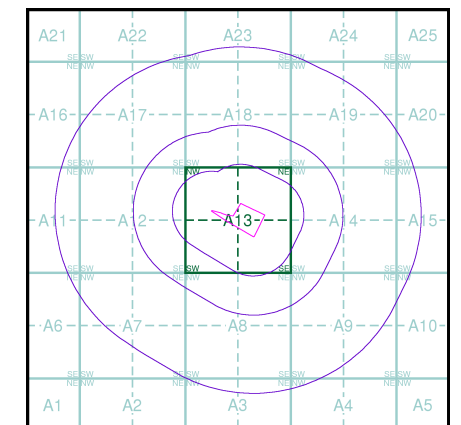
Source map scale - 1:10,000

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)**

SJ27SE 2018 Variable	SJ37SW 2018 Variable
SJ26NE 2018 Variable	SJ36NW 2018 Variable

**Historical Map - Slice A**

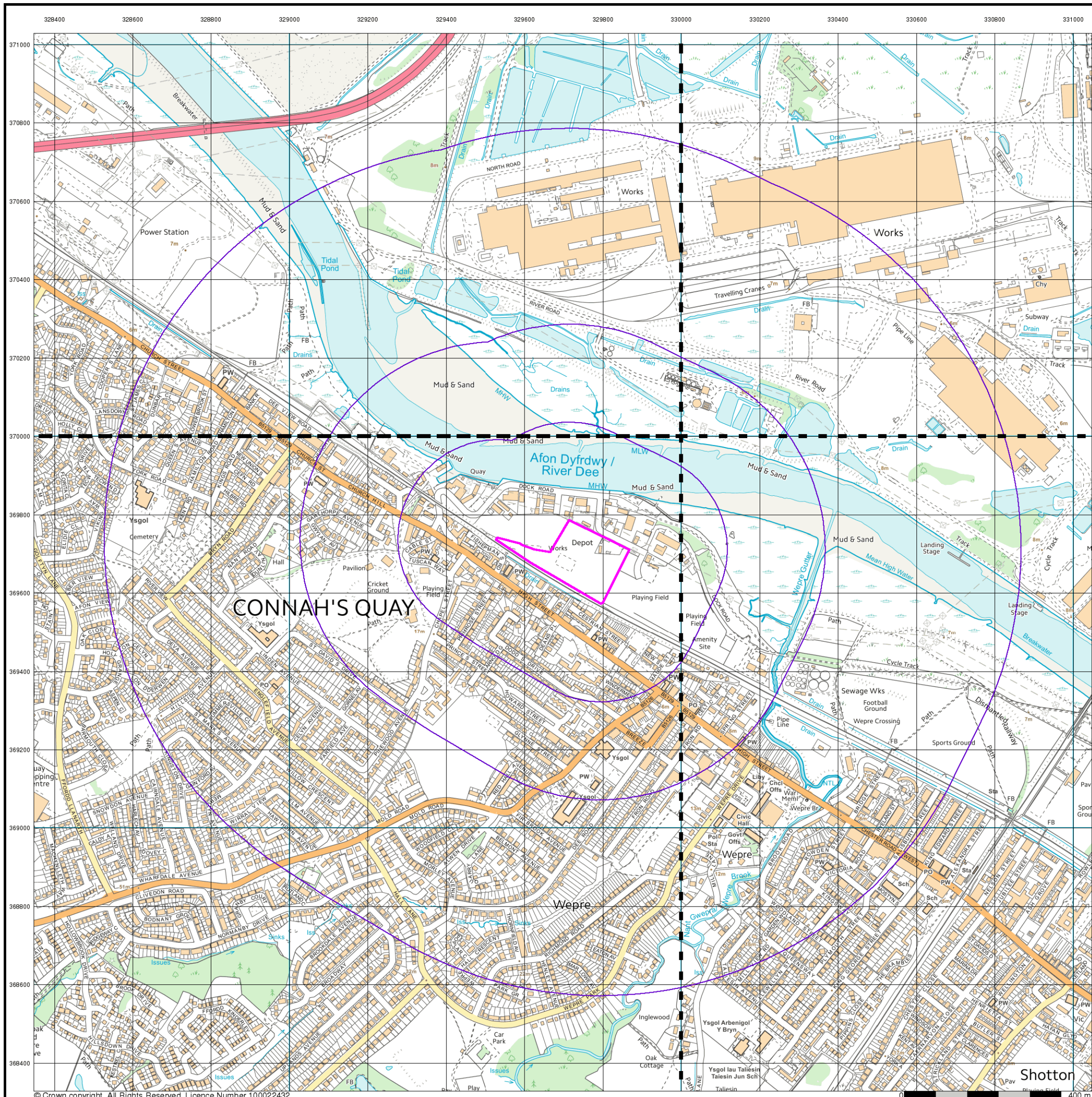


**Order Details**

Order Number: 156897968\_1\_1  
 Customer Ref: 10018372  
 National Grid Reference: 329710, 369690  
 Slice: A  
 Site Area (Ha): 3.01  
 Search Buffer (m): 1000

**Site Details**

Site at 329750, 369710



© Crown copyright. All Rights Reserved. Licence Number 100022432.

Phase 1 Geo-Environmental Desk Study  
Crumps Yard, Connah's Quay

## APPENDIX E

### **Coal Authority Report**



The Coal  
Authority

Resolving the **impacts** of mining

# CON29M Non-Residential Mining Report

SITE AT 329750, 369710  
FLINTSHIRE

Date of enquiry: 20 February 2018  
Date enquiry received: 20 February 2018  
Issue date: 20 February 2018

Our reference: 51001796279005  
Your reference: 157468309\_1 |



# CON29M Non-Residential Mining Report

This report is based on, and limited to, the records held by the Coal Authority and the Cheshire Brine Subsidence Compensation Board's records, at the time we answer the search.

## Client name

LANDMARK INFORMATION GROUP LIMITED

## Enquiry address




SITE AT 329750, 369710, FLINTSHIRE

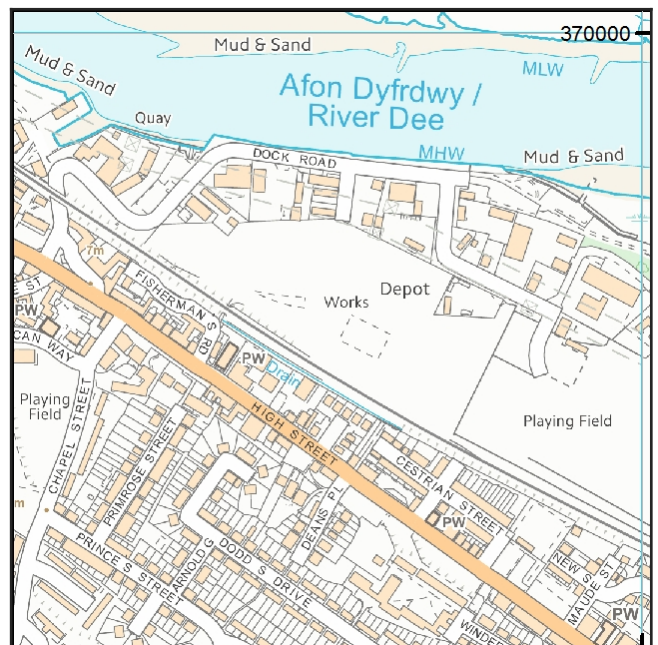
## How to contact us

0345 762 6848 (UK)  
+44 (0)1623 637 000 (International)

200 Lichfield Lane  
Mansfield  
Nottinghamshire  
NG18 4RG

[www.groundstability.com](http://www.groundstability.com)

 /company/the-coal-authority  
 /thecoalauthority  
 /coalauthority



Approximate position of property



Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2018. All rights reserved.

Ordnance Survey Licence number: 100020315

# Summary

Has the search report highlighted evidence or potential of		
1	Past underground coal mining	No
2	Present underground coal mining	No
3	Future underground coal mining	Yes
4	Mine entries	No
5	Coal mining geology	No
6	Past opencast coal mining	No
7	Present opencast coal mining	No
8	Future opencast coal mining	No
9	Coal mining subsidence	No
10	Mine gas	No
11	Hazards related to coal mining	No
12	Withdrawal of support	No
13	Working facilities order	No
14	Payments to owners of former copyhold land	No
15	Information from the Cheshire Brine Subsidence Compensation Board	No

**For detailed findings, please go to page 4.**

# Detailed findings

## 1. Past underground coal mining

The property is not within a surface area that could be affected by past underground mining.

## 2. Present underground coal mining

The property is not within a surface area that could be affected by present underground mining.

## 3. Future underground coal mining

The property is not in an area where the Coal Authority has plans to grant a licence to remove coal using underground methods.

The property is not in an area where a licence has been granted to remove or otherwise work coal using underground methods.

The property is not in an area likely to be affected from any planned future underground coal mining.

However, reserves of coal exist in the local area which could be worked at some time in the future.

No notices have been given, under section 46 of the Coal Mining Subsidence Act 1991, stating that the land is at risk of subsidence.

## 4. Mine entries

There are no known coal mine entries within, or within 20 metres of, the boundary of the property.

## 5. Coal mining geology

The Coal Authority is not aware of any damage due to geological faults or other lines of weakness that have been affected by coal mining.

## 6. Past opencast coal mining

The property is not within the boundary of an opencast site from which coal has been removed by opencast methods.

## **7. Present opencast coal mining**

The property does not lie within 200 metres of the boundary of an opencast site from which coal is being removed by opencast methods.

## **8. Future opencast coal mining**

There are no licence requests outstanding to remove coal by opencast methods within 800 metres of the boundary.

The property is not within 800 metres of the boundary of an opencast site for which a licence to remove coal by opencast methods has been granted.

## **9. Coal mining subsidence**

The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres of the enquiry boundary, since 31st October 1994.

There is no current Stop Notice delaying the start of remedial works or repairs to the property.

The Coal Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.

## **10. Mine gas**

The Coal Authority has no record of a mine gas emission requiring action.

## **11. Hazards related to coal mining**

The property has not been subject to remedial works, by or on behalf of the Authority, under its Emergency Surface Hazard Call Out procedures.

## **12. Withdrawal of support**

The property is not in an area where a notice to withdraw support has been given.

The property is not in an area where a notice has been given under section 41 of the Coal Industry Act 1994, cancelling the entitlement to withdraw support.

## **13. Working facilities order**

The property is not in an area where an order has been made, under the provisions of the Mines (Working Facilities and Support) Acts 1923 and 1966 or any statutory modification or amendment thereof.

## **14. Payments to owners of former copyhold land**

The property is not in an area where a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

## **15. Information from the Cheshire Brine Subsidence Compensation Board**

The property lies outside the Cheshire Brine Compensation District.



## Additional remarks

Information provided by the Coal Authority in this report is compiled in response to the Law Society's Con29M Coal Mining and Brine Subsidence Claim enquiries. The said enquiries are protected by copyright owned by the Law Society of 113 Chancery Lane, London WC2A 1PL. Please note that Brine Subsidence Claim enquiries are only relevant for England and Wales. This report is prepared in accordance with the Law Society's Guidance Notes 2006, the User Guide 2006 and the Coal Authority and Cheshire Brine Board's Terms and Conditions applicable at the time the report was produced.

## Disclaimer

The Coal Authority owns the copyright in this report and the information used to produce this report is protected by our database rights. All rights are reserved and unauthorised use is prohibited. If we provide a report for you, this does not mean that copyright and any other rights will pass to you. However, you can use the report for your own purposes.

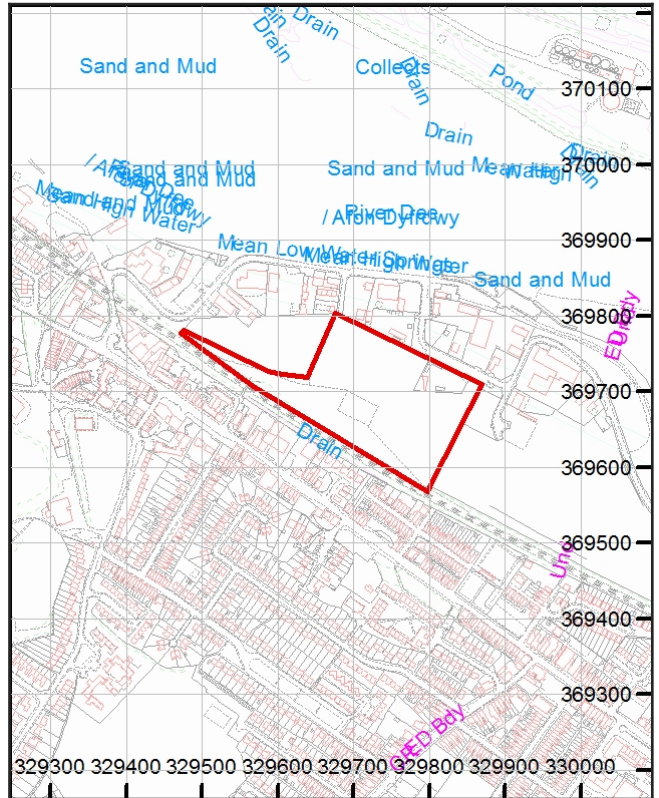
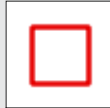
## Alternative formats

If you would like this report in an alternative format, please contact our communications team.

# Enquiry boundary

## Key

Approximate position of enquiry boundary shown




## How to contact us

0345 762 6848 (UK)  
+44 (0)1623 637 000 (International)

200 Lichfield Lane  
Mansfield  
Nottinghamshire  
NG18 4RG

[www.groundstability.com](http://www.groundstability.com)

 /company/the-coal-authority

 /thecoalauthority

 /coalauthority



Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2018. All rights reserved.

Ordnance Survey Licence number: 100020315

Phase 1 Geo-Environmental Desk Study  
Crumps Yard, Connah's Quay

## APPENDIX F

### **Unexploded Ordnance (UXO) Screening Assessment**



**Pre-Desk Study Assessment**

<b>Site:</b>	Crumps Yard, Connah's Quay, Flintshire, Wales
<b>Client:</b>	Arcadis
<b>Contact:</b>	Jonathan Miles
<b>Date:</b>	12 <sup>th</sup> February 2018
<b>Pre-WWI Military Activity on or Affecting the Site</b>	None identified.
<b>WWI Military Activity on or Affecting the Site</b>	None identified.
<b>WWI Strategic Targets (within 5km of Site)</b>	The following strategic targets were located in the vicinity of the Site: <ul style="list-style-type: none"> <li>■ Connah's Quay docks and associated wharfs.</li> <li>■ Public utilities and transport infrastructure.</li> <li>■ Industries important to the war effort, including chemical and munitions works.</li> <li>■ Military training areas.</li> <li>■ Anti-Aircraft (AA) defences.</li> </ul>
<b>WWI Bombing</b>	None identified on the Site.
<b>Interwar Military Activity on or Affecting the Site</b>	None identified.
<b>WWII Military Activity on or Affecting the Site</b>	None identified.
<b>WWII Strategic Targets (within 5km of Site)</b>	The following strategic targets were located in the vicinity of the Site: <ul style="list-style-type: none"> <li>■ Royal Air Force (RAF) Sealand.</li> <li>■ Connah's Quay docks and associated wharfs.</li> <li>■ Public utilities and transport infrastructure.</li> <li>■ Industries important to the war effort, including chemical and steel works.</li> <li>■ Military camps and training areas.</li> <li>■ AA and anti-invasion defences.</li> </ul>
<b>WWII Bombing Decoys (within 5km of Site)</b>	1No. located approximately 3.9km north-northeast of the Site.
<b>WWII Bombing</b>	During WWII the Site was located in the Urban District (UD) of Connah's Quay, which officially recorded 4No. High Explosive (HE) bombs with a very low regional bombing density of 0.9 bombs per 405 hectares (ha).  No readily available records have been found indicating that the Site was bombed.
<b>Post-WWII Military Activity on or Affecting the Site</b>	None identified.
<b>Recommendation</b>	A detailed desk study, whilst always prudent, is not considered essential in this instance.

This summary is based on a cursory review of readily available records. Caution is advised if you plan to action work based on this summary.

It should be noted that where a potentially significant source of UXO hazard has been identified on the Site, the requirement for a detailed desk study and risk assessment has been confirmed and no further research will be undertaken at this stage. It is possible that further in-depth research as part of a detailed UXO desk study and risk assessment may identify other potential sources of UXO hazard on the Site.

Arcadis (UK) Limited

**Error! Not a valid bookmark self-reference.**

T: +44 (0)113 284 5300

[arcadis.com](https://www.arcadis.com)