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PHASE 1: DESK TOP STUDY AND COAL MINING RISK ASSESSMENT REPORT

SHED

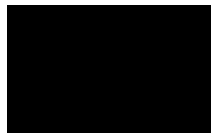
PROPOSED EXTENSIONS TO THE EXISTING BUILDING & NEW BUILDINGS

LITTLE HAVEN HOTEL

SOUTH SHIELDS, NE33 1LH

Project No: 25-810

Prepared By:

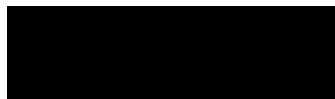


Paul Hopkins

Date:

13/02/2026

Approved By:



Darren McGrath

Date:

13/02/2026

The information and / or advice contained in this Phase 1: Desk Top Study and Coal Mining Risk Assessment Report is based solely on, and is limited to, the boundaries of the site, the immediate area around the site, and the historical use(s) unless otherwise stated. This 'Report' has been prepared to collate information relating to the physical, environmental and industrial setting of the site, and to highlight, where possible, the likely problems that might be encountered when considering the future development of this site for the proposed end use. All comments, opinions, diagrams, cross sections and / or sketches contained within the report, and / or any configuration of the findings is conjectural and given for guidance only and confirmation of the anticipated ground conditions should be considered before development proceeds. Agreement for the use or copying of this report by any Third Party must be obtained in writing from Arc Environmental Limited (ARC). If a change in the proposed land use is envisaged, then a reassessment of the site should be carried out.

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1.0 Introduction

February 2026

Arc Environmental Limited were instructed by Shed, to undertake a Phase 1: Desk Top Study (DTS) and Coal Mining Risk Assessment (CMRA) Report for Little Haven Hotel, South Shields, NE33 1LH, where it is proposed to construct an extension to the existing hotel and construct two new standalone buildings (gym and nursery).

The primary objectives of this report are to assess the geological, geotechnical and potential ground contamination conditions on and beneath the surface of this site. This Phase 1: DTS and CMRA Report has been carried out generally in accordance with the EA (Environment Agency) guidance for Land Contamination Risk Management (LCRM: October 2020). Based on all the data reviewed, a preliminary Conceptual Site Model (CSM) has been developed to define the scope and extent of any further investigation works deemed necessary, prior to commencing with any future development works.

A site reconnaissance (walkover) survey was completed as part of this study with site photographs included within Appendix I, and all relevant observations noted in Section 2.1 below.

2.0 Physical Setting

2.1 Site Details: -

Table 2.1

Site Name & Address:	Little Haven Hotel, South Shields, NE33 1LH.
National Grid Reference:	436790, 568160 (representative of the central part of the site).
Description of Location:	The site is located near to the mouth of the River Tyne in South Shields. The site is accessed via the B1344 (Sea Road).
Site Boundaries:	N = The South Groyne & the River Tyne, E = Sand dunes & the North Sea, S = Car parking land & W = Water sports centre and the River Tyne.
Site Shape:	The site is irregular in layout, occupying a total area of c. 1.28 Hectares (Ha).
General Topography:	The site is generally flat at c.5m AOD.
Site surfacing:	The site surfacing comprises of asphalt and grass surfacing with areas of concrete surfacing and block paving around the building.
Above Ground Structures:	Little Haven Hotel is recorded in the central portion of the site, and shipping containers are recorded on the western border of the site. An outdoor seating gazebo is recorded in the northern portion of the site.
Sub-surface Structures & Services:	Services will be present beneath the site in relation to the current buildings onsite.
Summary of Site History:	The historical Ordnance Survey maps, Landmark Envirocheck Report and other environmental information reviewed indicates that the site was undeveloped from c.1857. By c.1896, the site is recorded to be on reclaimed land, and the site is used as a caravan camping site by c.1955. Little Haven Hotel is recorded onsite by c.1999 and remains at present day (c.2025).

3.0 Environmental Setting

3.1 Site Geology: -

The geological assessment for this site has been based on geological plans and digital online data published by the British Geological Survey (BGS). The following documents have been reviewed as part of this study: -

- Online BGS GeoIndex.
- BGS Sheet NZ36NE, 1:10,000 scale, 1981.
- BGS Sheet 15, Tynemouth, Solid & Drift Edition, 1:50,000 scale, 1975.
- Online MRA Interactive Map Viewer.
- Mining Remediation Authority Consultants Mining Report Ref. 51003547527001.

3.0 Environmental Setting (Cont'd)

3.1 Site Geology (Cont'd): -

- Envirocheck Report Ref. 393499865_1_1.
- BGS Archive Borehole Records Ref. NZ36NE, 8, 18

3.1.1 Made Ground: -

In accordance with the published BGS maps, significant thicknesses of made ground are not shown to be onsite, however made ground is anticipated onsite in relation to the current onsite developments, historic site use and historic reclaimed land (ballast).

3.1.2 Superficial Deposits: -

Published geological maps produced by BGS indicate that the site is located in an area overlain by Beach deposits with the western portion of the site being overlain by Blown Sand. These deposits typically comprise sands with subsidiary gravels along with bedded or chaotic shingle, sand, silt and clay. Previous onsite BGS boreholes record the superficial deposits to comprise of sand and gravel to depths of >29m bgl

3.1.3 Solid Geology: -

According to published BGS data, the site is underlain by the Pennine Middle Coal Measures (PMCM). These deposits are typically comprised of interbedded grey mudstone, siltstone, pale grey sandstone and coal seams.

3.2 Coal Mining Risk Assessment: -

BGS Maps record the High Main Coal Seam to outcrop within the site boundary dipping to the north west and with a seam thickness of c.0.66m – c.1.96m.

In accordance with the Mining Remediation Authority (MRA, formerly the Coal Authority) Online Interactive Map Viewer, the site lies within a 'Coal Mining Reporting Area'. However, the site is not recorded within a defined 'Development High Risk Area' or an area of 'Past or Probable Shallow Workings'. There are no recorded mine entries (shafts or adits) within the site boundary.

In order to further assist with this coal mining risk assessment (CMRA) a Consultants Coal Mining Report (ref. 51003547527001) has been obtained from the MRA for this site, and a copy of which is attached in Appendix II. The report records no past workings beneath the site. The report states that there are no probable unrecorded shallow workings beneath the site. The report records the High Main coal seam to outcrop within the site boundary and the MRA do not record the seam to be workable.

In addition, the report states that there are no coal mine entries recorded within c.100m of the site. There are no spine roadways recorded at shallow depth, no recorded opencast workings, managed tips or gassing sites within c.500m, and no coal mining subsidence claims within c.50m of the site. There are no recorded gas incidents, that required investigation and remediation by the Mining Remediation Authority to mitigate the effects of the mine gas emission.

Consequently, it is felt that the site is not at risk from potential shallow coal mining activities and when reviewing the MRA and BGS information available for this site it is felt that no intrusive investigation works are required in relation to potential shallow coal workings beneath the site.

3.0 Environmental Setting (Cont'd)

3.2 Coal Mining Risk Assessment (Cont'd): -

In accordance with the new CL:AIRE guidance 'Good practice for Risk Assessment for Coal Gas Emissions (October 2021), Figure 13.1: Decision support tool for mine gas risk assessment, there is a low to negligible risk from hazardous mine gases affecting this site.

3.3 Mineral Extraction:

There are no mineral extraction features recorded within c.250m of the site.

The site does not lie within the Cheshire Brine Subsidence Compensation District, therefore there is no risk of subsidence due to brine extraction.

3.4 Potential Geological Hazards: -

Table 3.1

<u>Potential Hazard</u>	<u>Hazard Potential/Rating</u>
Landslide:	Very low hazard
Shrinkable Soils:	No hazard
Collapsible Soils:	No hazard
Compressible Soils:	No hazard
Running Sand:	No hazard & Moderate hazard
Dissolution:	No hazard

3.5 Site Hydrogeology: -

Table 3.2

<u>STRATA</u>	<u>Aquifer / Soil Leachability EA Classification</u>	<u>Comments</u>
Groundwater Vulnerability:	Secondary Superficial Aquifer - High Vulnerability.	Productive bedrock aquifer / productive superficial aquifer. High pollutant speed (<300mm / year).
Superficial Deposits: (Blown Sands & Beach Deposits)	Secondary Aquifer – A.	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.
Solid Geology: (Pennine Middle Coal Measures)	Secondary Aquifer – A.	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.
Water Framework Directive: Solid Geology	Secondary Aquifer – A.	Overall Rating – Poor.

- There are no Source Protection Zones (SPZ) on or within c.1km of the site.
- There are no water abstractions recorded on or within c.1km of the site.

3.6 Site Hydrology: -

Table 3.3

<u>SURFACE WATER FEATURE</u>	<u>Location</u>	<u>Comments</u>
OS Water Network & GQA Classified River:	None recorded within c.250m of the site.	~
Unclassified Watercourse(s), Canals, Ponds, Lakes & Other Bodies of Water:	Two recorded within c.250m.	The River Tyne and The North Sea are recorded on the northern and eastern border of the site.

3.0 Environmental Setting (Cont'd)

3.6 Site Hydrology (Cont'd): -

Table 3.3 (Cont'd)

<u>SURFACE WATER FEATURE</u>	<u>Location</u>	<u>Comments</u>
Flooding from River or Sea: (Fluvial & Tidal)	The majority of the site doesn't fall within a designated flood zone II or III for fluvial flooding.	The EA considers the majority of the site to be in an area with a very low risk of fluvial flooding (0.1% annual chance). The EA considers the southeastern border of the site to be within a designated flood zone III.
Surface Water Flooding: (Pluvial)	The published EA data shows that the majority of the site is not at significant risk from pluvial flooding.	The EA considers the majority of the site to be at a very low risk (<0.1% annual chance) of surface water flooding. Parts of the central and southern portion of the site are recorded to be at a low to moderate risk (0.1% - 1% annual chance) of surface water flooding.
Groundwater Flooding at Surface (BGS):	The site is at risk from groundwater flooding.	The majority of the site is recorded to have the potential for groundwater flooding below ground level. The western portion of the site is recorded to be at a limited risk of groundwater flooding.
<u>RAINFALL</u>	<u>Measurements (mm)</u>	<u>Comments</u>
Annual:	608.26	Based on 'station average' records from Tynemouth dated from 1991-2020.
Rainfall: Min (Mar)	39.21	
Rainfall: Max (Nov)	70.51	

3.7 Radon Assessment: -

The site is recorded to lie within an intermediate probability radon area, with 1% - 3% of homes estimated to be at or above the action level, in accordance with the BGS, National Geoscience Information Service, and their assessment suggests that no radon protective measures are necessary in the construction of new dwellings or extensions. This BRE Digest, BR211 (2015) Radon: Guidance on protective measures for new buildings, infers the site is situated within a clear grid square (1km), and therefore no radon protective measures are required for the site.

With reference to BGS / UK Radon mapping (dated December 2022), the site falls within a 1km grid square where some parts are in an elevated band of radon potential of 1% - 3%. Therefore, it is felt that a site-specific radon report is not required for the proposed development.

3.8 Site Ecology: -

Table 3.4

<u>FEATURES</u>	<u>Location</u>	<u>Comments</u>
Local Nature Reserves:	None recorded within c.250m.	~
Areas of Adopted Green Belt:	None recorded within c.250m.	~
Sites of Special Scientific Interest:	None recorded within c.250m.	~
Nitrate Vulnerable Zone:	None recorded within c.250m.	~

There was no visual evidence to suggest that the site is affected by the presence of invasive weed species such as Japanese Knotweed, Giant Hogweed or Himalayan Balsam, at the time of the recent site survey, although a site-specific survey has not been carried out. Therefore, site awareness during future investigation works and during the construction phase for any potential invasive weed species would be considered prudent.

3.0 Environmental Setting (Cont'd)

3.9 Estimated Soil Chemistry: -

Data provided by the BGS in relation to estimated soil chemistry for a number of key metals and metalloid elements is summarised in Table 3.5 below.

Table 3.5

Element	Soil Sample Type	Estimated Soil Concentrations (mg/kg)
Arsenic	Sediment	<15
Cadmium	Sediment	<1.8
Chromium (total)	Sediment	60 – 90
Lead	Sediment	100 – 200
Nickel	Sediment	15 - 30

Note; the references to the anticipated background concentrations of contaminants, sourced from the BGS, should not be relied upon. They are not site-specific and do not represent the condition of the ground at the proposed development site.

4.0 Industrial Setting

4.1 Site History: -

Copies of historical OS maps covering the site area & adjacent land are included in Appendix III and a summary of the site history based on these plans, is provided in Table 4.1 below.

Table 4.1

Significant features / potential contamination sources highlighted in **bold**.

Date	Site	Adjacent Areas
c.1857 - c.1862	The site is recorded as undeveloped land (beach) below the high watermark.	The site of a Roman Station or Fort is recorded c.240m southwest of the site, and a well is recorded c.150m southwest of the site. Ship Yards are recorded c.200m west of the site, and a Ballast Railway is recorded c.250m southwest of the site. Residential properties are recorded c.200m southwest of the site.
c.1896 - c.1898	The site is recorded to be above the high water mark indicating the site be on reclaimed land (ballast) in relation to the construction of the South Groyne .	The south groyne is recorded on the northwestern border of the site, and Groyne Lighthouse . An oil depot is recorded c.200m west of the site, and residential development is recorded c.250m southwest of the site. The Ballast Railway and well are no longer recorded.
c.1915 – c.1922	No significant changes to the site.	North Marine Park is recorded c.200m south of the site.
c.1938 - c.1941	A roundabout is recorded on the southeastern border of the site.	Harbour Drive is recorded along the southern border of the site, and an open-air swimming pool is recorded c.100m south of the site.
c.1955 – c.1956	The site is shown as part of the North Foreshore Caravan Camping Site .	The Ship Yards are recorded as a Chemical & Engineering Works . The swimming pool is no longer recorded.
c.1993	No significant changes to the site.	The oil depot is no longer recorded.
c.1999	Little Haven Hotel is recorded in the central portion of the site.	A water sports activities centre is recorded c.20m west of the site, and a car park is recorded c.30m south of the site. Residential properties are recorded c.100m west of the site.
c.2006	A circular road (River Drive) associated with Little Haven Hotel is recorded in the southern portion of the site.	The roundabout to the south of the site is no longer recorded.
Present Day c.2025	No significant changes to the site.	Harbour Drive is no longer recorded, and a sewage pumping station is recorded c.50m southwest of the site.

4.0 Industrial Setting (Cont'd)

4.2 Landfill & Waste: -

The following information relating to landfill and waste has been obtained from the Envirocheck Report (attached in Appendix III) site walkover and published data;

- There are no Historical Landfill Sites, Local Authority Recorded Landfill Sites, Coal Authority Managed Tips, Registered Landfill Sites, Potentially Infilled Land (Water & Non-Water) or Licensed Waste Management Facilities within c.250m of the site.

When considering the above, it is considered that the site is not at risk from potential hazardous ground gas production / migration.

4.3 Statutory Requirements / Authorisations: -

Table 4.2

TYPE	Location	Comments
Enforcement and Prohibition Notices:	None recorded within c.250m.	~
Integrated Pollution Prevention and Controls:	None recorded within c.250m.	~
Local Authority Pollution Prevention and Controls:	None recorded within c.250m.	~
Prosecutions Relating to Authorised Processes:	None recorded within c.250m.	~
Registered Radioactive Substances:	None recorded within c.250m.	~
COMAH/Explosive/NII HHS Sites:	None recorded within c.250m.	~
Planning Hazardous Substances Consents / Enforcements:	None recorded within c.250m.	~
Contemporary Trade Entries:	One recorded within c.250m.	EC Ref. 72 relates to Atex Inspections Ltd (Engineering Services) recorded c.222m southwest of the site. Status: Active.
Fuel Station Entries:	None recorded within c.250m.	~
Relevant Points of Interest:	Six recorded within c.250m.	Public Infrastructure – EC Ref. 138 relates to a sewage pumping station recorded c.47m southwest of the site. EC Ref.139 relates to a sewage pumping station recorded c.122m west of the site. EC Ref. 140 relates to an outfall recorded c.196m southeast of the site. Recreational and Environmental – EC Ref. 149 relates to a playground recorded c.188m south of the site.

4.4 UXO Risk: -

According to the Unexploded Bomb Risk Map produced by ZeticaUXO, the site lies within a high-risk area in terms of unexploded ordnance (areas indicated as having 50 bombs per 1000 acre or higher). As a result, a detailed UXO risk assessment will be required for the proposed development. A copy of the ZeticaUXO Unexploded Bomb Risk Map can be seen attached in Appendix III.

A RMS Detailed UXO Risk Assessment report has been obtained for the proposed development and the report states that the site is at a medium risk from unexploded ordnance and an onsite EOD (explosive ordnance disposal) engineer should be in attendance of any ground investigations.

4.0 Industrial Setting (Cont'd)

4.5 Pollution Incidents and Discharge Consents: -

Table 4.3

TYPE	Location	Comments
Discharge Consents:	Twelve recorded within c.250m.	EC Ref. 1 recorded c.45m southwest of the sites relates to a Sewage Pumping Station. Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995). EC Ref. 2 recorded c.122m northwest of the site relates to a sewage pumping station. Status: Varied under EPR 2010. EC Ref. 3 recorded c.175m northwest of the site relates to an undefined property. Status: Authorization revoked (10/07/1996).
Prosecutions Relating to Controlled Waters:	None recorded within c.250m.	~
Pollution Incidents to Controlled Waters:	Two recorded within c.250m.	EC Ref. 29 recorded c.88m northwest of the site relates to a Category 3 – Minor Incident involving oils on 08/01/1995. EC Ref. 30 recorded c.228m northwest of the site relates to a Category 3 – Minor Incident on 23/09/1994. No pollutant given.
Substantiated Pollution Incident Register:	None recorded within c.250m.	~
Water Industry Act Referrals:	None recorded within c.250m.	~

5.0 Conceptual Site Model (CSM)

The Conceptual Site Model (CSM) is one of the primary planning tools that can be used to support the decision-making process of managing contaminated land and groundwater on any given site and allows a better understanding of what needs to be done to achieve risk management, and from this appropriate remediation techniques, if required for those risk management goals can be chosen.

This can be done by undertaking a *source-pathway-receptor* analysis of the site. The anticipated *sources*, *pathways* and *receptors* for this site are summarised in Table 5.1 below. A graphical representation of the CSM has been produced for the site and can be seen attached in Appendix IV, which also sets out the critical pollutant linkages of concern for this site.

Table 5.1

*= Not included in the Human Health & Controlled Waters Risk Assessment.

	Sources (S)		Pathways (P)		Receptors (R)
S1	Made ground associated with the reclaimed land (ballast) and the current and previous developments on the site.	P1	Ingestion & Dermal Contact.	R1	Human health - future end users and construction workforce. (end use taken as 'Residential without homegrown produce' due to proposed nursery)
		P2	Air – Inhalation of vapours (indoor & outdoors) and contact with dust generated through the construction works.		
S2	Potential ground gases from the made ground on this site.	P3	Plant Uptake and attached soil.	R2	Controlled Waters: Groundwater – anticipated within the superficial and bedrock deposits (both Secondary Aquifers - A).
		P4	Migration through existing service corridors.	R3	Adjacent sites.
		P5	Direct contact with building materials.	R4*	Building materials.
		P6	Surface runoff & Infiltration.	R5*	Flora and fauna.

5.0 Conceptual Site Model (CSM) (Cont'd)

The following potential geotechnical issues and hazards have been identified for this site. These issues should be considered if future development of the site is to take place;

5.1 Geotechnical Considerations: -

- Thickness, type, variability and condition of made ground (reclaimed land) on site.
- Geotechnical parameters of the natural deposits and depth to suitable load bearing founding strata across the site, particularly with respect to the design of future foundations and hardstanding areas.
- Condition and extent of existing foundations.
- Stability of excavations.
- The presence of underground services (i.e., gas, water, electricity, etc.).
- Chemical attack of buried concrete.

To determine the geotechnical considerations above with more certainty, it is recommended that intrusive geotechnical investigation works are undertaken with associated geotechnical testing to aid in assessing detailed foundation proposals.

The information reviewed indicates that the site can be considered as being located within a
LOW to MODERATE geotechnical risk setting.

5.2 Sources of Contamination and Probable Contaminants: -

The historical Ordnance Survey maps, Landmark Envirocheck Report and other environmental information reviewed indicates that the site was undeveloped from c.1857. By c.1896, the site is recorded to be on reclaimed land (ballast), and the site is used as a caravan camping site by c.1955. Little Haven Hotel is recorded onsite by c.1999 and remains at present day (c.2025).

5.2.1 Soils – Human Health: -

In consideration of the above, given the presence of made ground below the site and in order to determine the suitability of the made ground for reuse, appropriate samples of the made ground should be recovered from this site for the screened for the following analytes as a minimum:

- Generic contamination suite, typically comprising; Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Selenium, Zinc, Total Organic Carbon, (TOC) and pH.
- Asbestos screening (and quantification if encountered).
- Speciated Polyaromatic Hydrocarbons (PAH's) & speciated Total Petroleum Hydrocarbons (TPH's & BTEX).

Waste Acceptance Criteria (WAC) testing may be required to aid with off-site disposal.

It is considered the level of risk posed to human health and local environ overall in connection with any future development is as follows:

The information reviewed indicates that the site can be considered as being located within a
LOW to MODERATE ground contamination risk setting for Human Health.

Consideration should also be given to the protection of any new service pipes for the proposed development, and a suite of contamination testing (UKWIR suite) may be required in order to meet the requirements of the

5.0 Conceptual Site Model (CSM) (Cont'd)

5.2 Sources of Contamination and Probable Contaminants (Cont'd)

5.2.1 Soils – Human Health (Cont'd): -

local utilities service provider for their 'pipe selection risk assessment' (PSRA), once the location and depth of future services have been determined.

5.2.2 Controlled Waters:

The following issues have been taken into consideration when assessing the risks towards controlled waters;

- There are no Source Protection Zones (SPZ) on or within c.1km of the site.
- There are no water abstractions recorded on or within c.1km of the site.
- Thickness / variability of superficial deposits recorded beneath the site.
- There are surface water features recorded within c.250m of the site.
- Both the superficial and solid geological deposits beneath the site are classed as Secondary Aquifers – A.

The information reviewed indicates that the site can be considered as being located within a **LOW to MODERATE** ground contamination risk setting for Controlled Waters.

6.0 Recommendations for Phase 2: Ground Investigation Works

The conclusions contained within this report have been based on a review of geological plans, historical plans and available environmental data relating to the site and nearby adjacent land and forms the basis of a preliminary risk assessment. The primary benefits of undertaking this report are as follows:

- (i) Identify the geotechnical and / or geoenvironmental characteristics of the ground in sufficient detail to quantify the contamination risk at the site and for the economic design of any future site / proposed development, construction or associated remedial works.
- (ii) Minimise the risk of unforeseen ground conditions which might cause increased costs and / or programme (construction) delays later.

Therefore, it is recommended that a programme of Phase 2: Ground Investigation (intrusive investigation) works are completed for this site to provide an assessment of the geo-environmental characteristics of the site.

These intrusive investigation works should be completed prior to commencing with any future development works and should include for the following or a similar scope of investigation works:

- A series of windowless sampling boreholes and trial pits (including insitu geotechnical testing (SPT testing, etc.) to aid with future foundation design for the proposed development and to collect samples for subsequent laboratory testing.
- A series of foundation pits to expose and record the existing foundations.
- Provision and installation of groundwater and ground gas monitoring standpipes.
- Completion of appropriate soakaway testing to aid in the design of future surface water management.
- Laboratory geotechnical testing (i.e. PSD, liquid & plastic limit, pH & soluble sulphate testing etc).
- Laboratory contamination screening on selected soil samples recovered from the investigation positions for typical contaminants as detailed in Section 5.2 to determine suitability for reuse.

6.0 Recommendations for Phase 2: Ground Investigation Works (Cont'd)

- Waste Acceptance Criteria (WAC) to aid in off-site disposal (if required).
- UKWIR screening if required.
- Site supervision and production of RAMS and an interpretive Phase 2: Ground Investigation Report, including a Ground Contamination Risk Assessment and Waste Classification of soils.

Prior to site investigation works commencing on site, all existing utilities / services should be identified and recorded, such that any potential damage to services crossing the site can be prevented, as well as ensuring the health and safety of future site workers.

END OF REPORT

APPENDIX I

Location Plan

Aerial Photograph

Existing Layout Plan

Proposed Development Plan

Site Photographic Record Sheets



Client:

SHED

Project Title:

Proposed Extensions to the
Existing Building & New Buildings
south Shields, NE33 1LH

Drawing Title:

Location Plan

Job Reference:

25-810

Drawing Number:

-

Revision:

-

Drawn by:

P.D

Date:

27.01.26

Scale at A4:

As shown

Checked by:

S.D

Approved by:

S.D

The contractor shall check all dimensions on
site before commencement of any works.
No dimensions to be scaled off this drawing.

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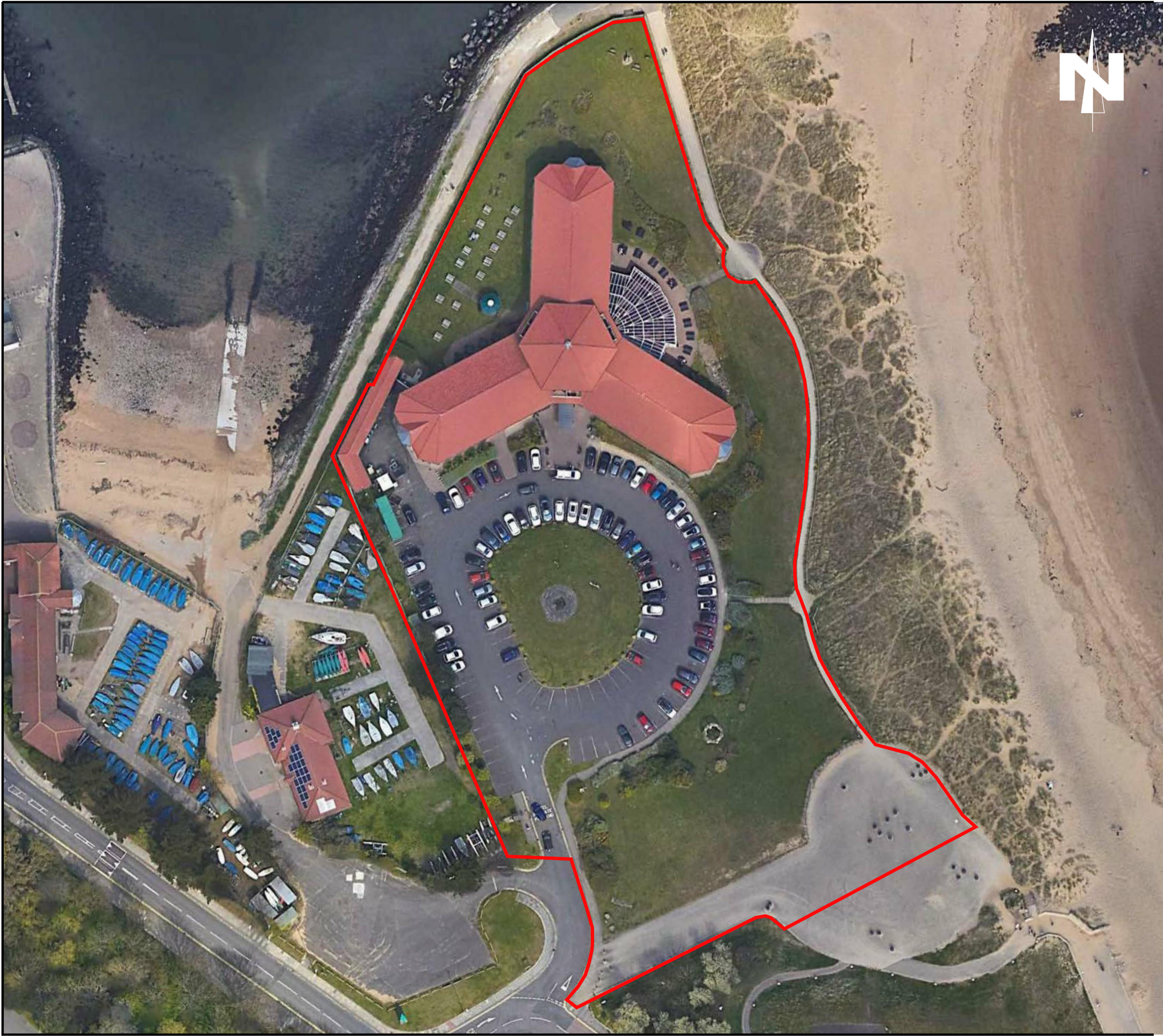
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The contractor shall check all dimensions on site before commencement of any works. No dimensions to be scaled off this drawing.
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Legend

 Approximate Site Boundary

rev.	date	amendments	drawn	chckd
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Client: **SHED**

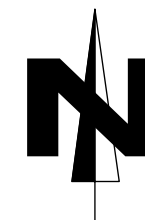
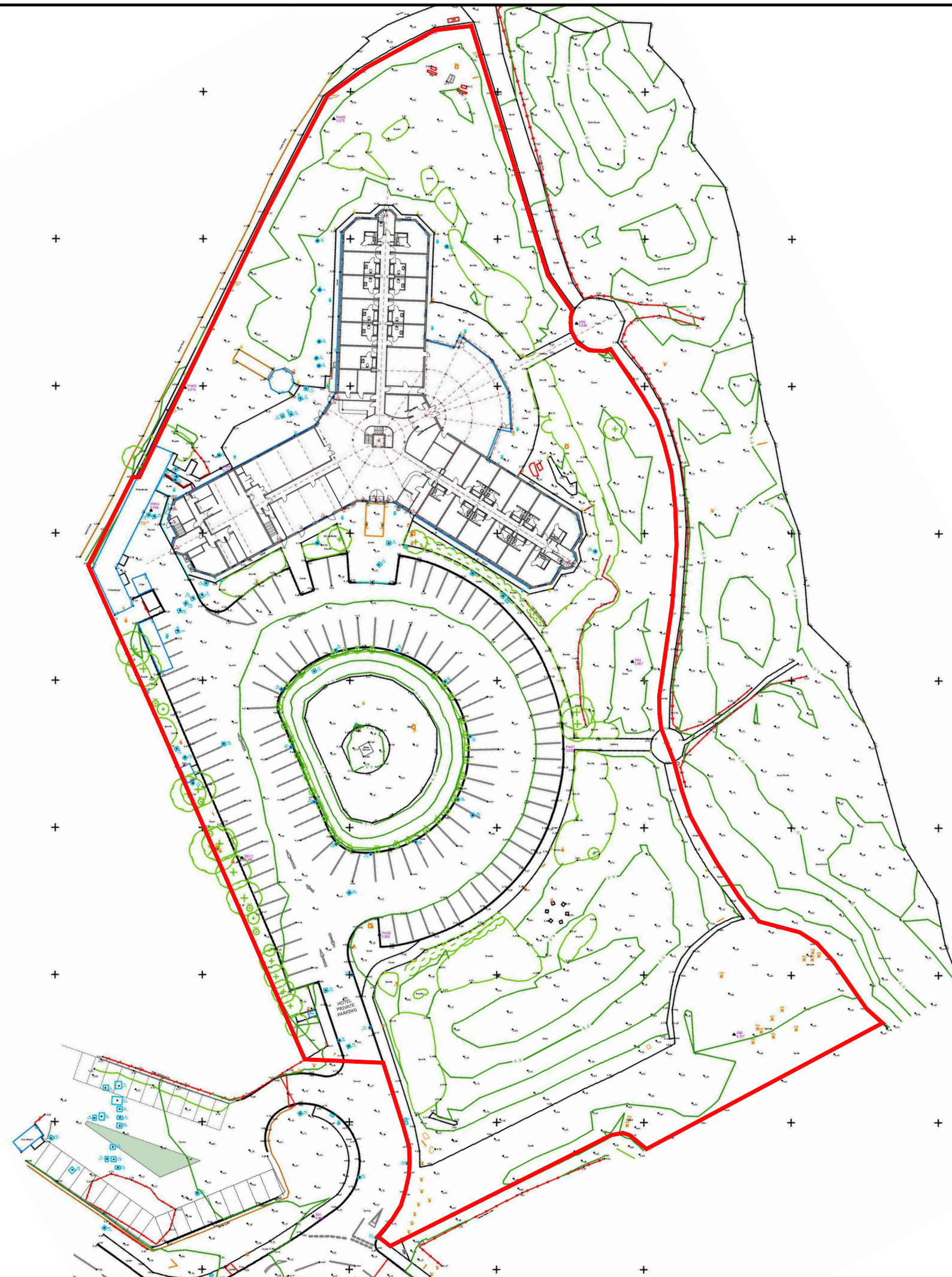
Project Title:
Proposed Extensions to the Existing Building
& New Buildings, Liven Haven Hotel
South Shields, NE33 1LH

Drawing Title:

Aerial Photograph

Scale at A3: NTS @ A3	Date: 26.01.26	Drawn by: P.D	Approved by: S.D
--------------------------	-------------------	------------------	---------------------

Job Ref: 25-810	Drg no: —	Rev: —
--------------------	--------------	-----------



ARC ENVIRONMENTAL LTD

Solum House
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St. John's Road
Meadowfield
Durham, DH7 8PN
Tel: (0191) 378 6380
e-mail: admin@arc-environmental.com
web: www.arc-environmental.com

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Legend

 Approximate Site Boundary

rev.	date	amendments	drawn	chckd

Client: **SHED**

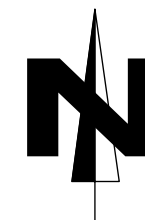
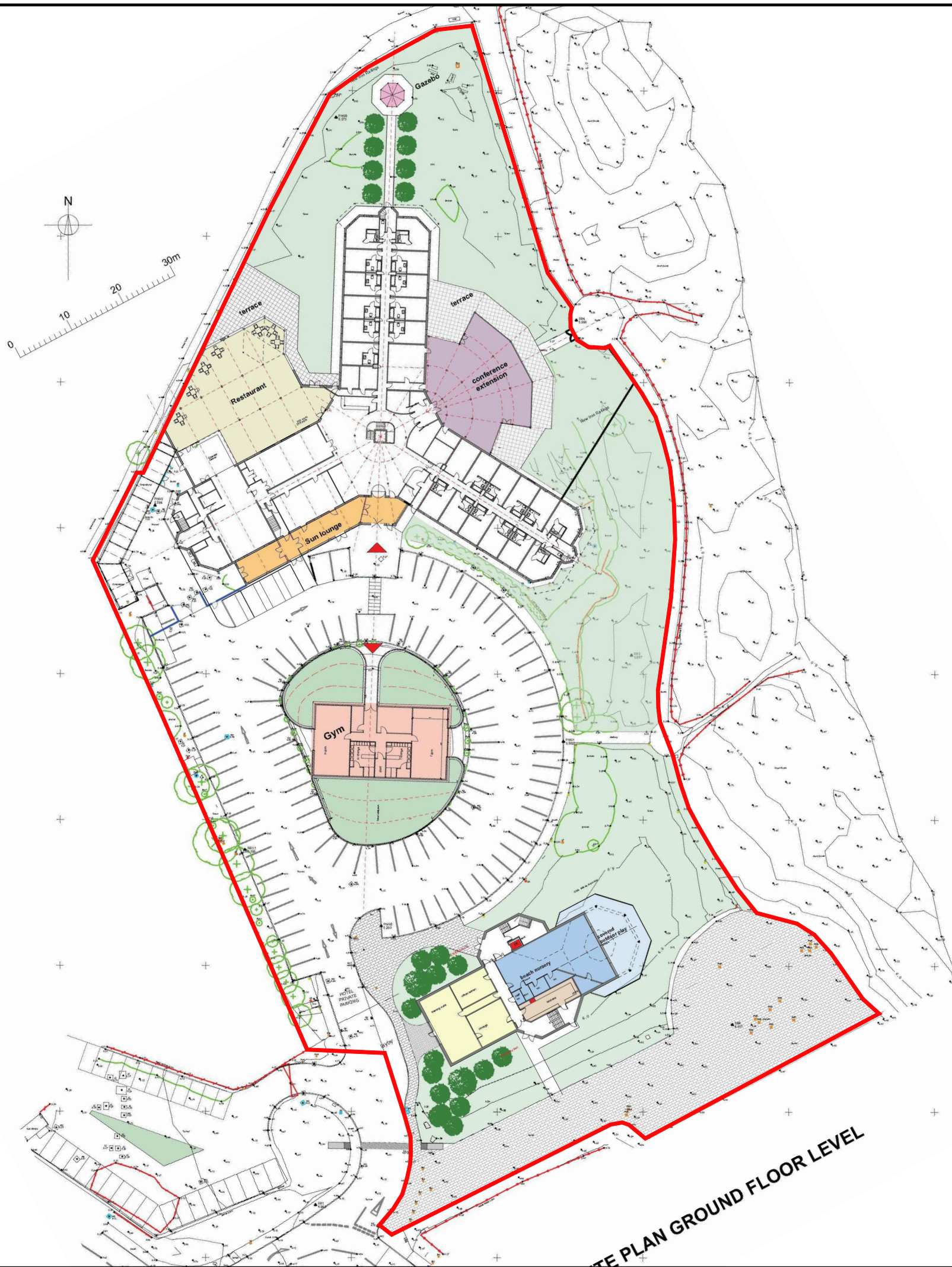
Project Title:
Proposed Extensions to the Existing Building
& New Buildings, Liven Haven Hotel
South Shields, NE33 1LH

Drawing Title:

Existing Site Layout Plan

Scale at A3:	Date:	Drawn by:	Approved by:
NTS @ A3	26.01.26	P.D	S.D

Job Ref:	Drg no:	Rev:
25-810	-	-



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Legend

 Approximate Site Boundary

rev.	date	amendments	drawn	chckd

Client:

SHED

Project Title:
Proposed Extensions to the Existing Building
& New Buildings, Liven Haven Hotel
South Shields, NE33 1LH

Drawing Title:

Proposed Development Layout Plan

Scale at A3:	Date:	Drawn by:	Approved by:
NTS @ A3	26.01.26	P.D	S.D

Job Ref:	Drg no:	Rev:
25-810	-	-



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LEGEND	
	PHASE 1 SITE BOUNDARY

rev.	date	amendments	drawn	chckd

Client:

SHED

Project Title:
Proposed Extensions to the Existing Building
& New Buildings, Liven Haven Hotel
South Shields, NE33 1LH

Drawing Title:
Site Photographic Record Sheet 1

Scale at A3: NTS @ A3	Date: 10.02.26	Drawn by: P.D	Approved by: G.W
Job Ref: 25-810	Drg no: —	Rev: —	



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LEGEND	
	PHASE 1 SITE BOUNDARY

rev.	date	amendments	drawn	chckd

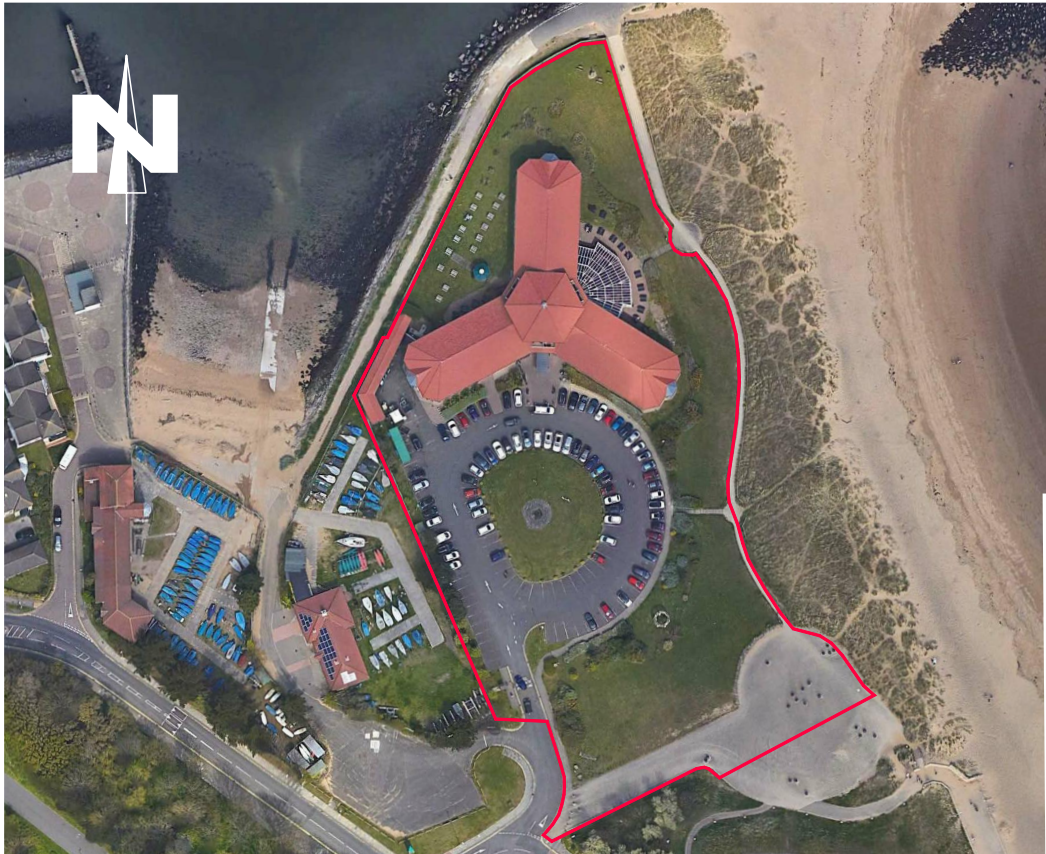
Client: **SHED**

Project Title:
Proposed Extensions to the Existing Building
& New Buildings, Liven Haven Hotel
South Shields, NE33 1LH

Drawing Title:
Site Photographic Record Sheet 2

Scale at A3: NTS @ A3	Date: 10.02.26	Drawn by: P.D	Approved by: G.W
--------------------------	-------------------	------------------	---------------------

Job Ref: 25-810	Drg no: —	Rev: —
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LEGEND	
	PHASE 1 SITE BOUNDARY

rev.	date	amendments	drawn	chckd

Client: **SHED**

Project Title:
Proposed Extensions to the Existing Building
& New Buildings, Liven Haven Hotel
South Shields, NE33 1LH

Drawing Title:

Site Photographic Record Sheet 3

Scale at A3: NTS @ A3	Date: 10.02.26	Drawn by: P.D	Approved by: G.W
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Job Ref: 25-810	Drg no: —	Rev: —
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APPENDIX II

Mining Remediation Authority Consultants Report

BGS Borehole Records



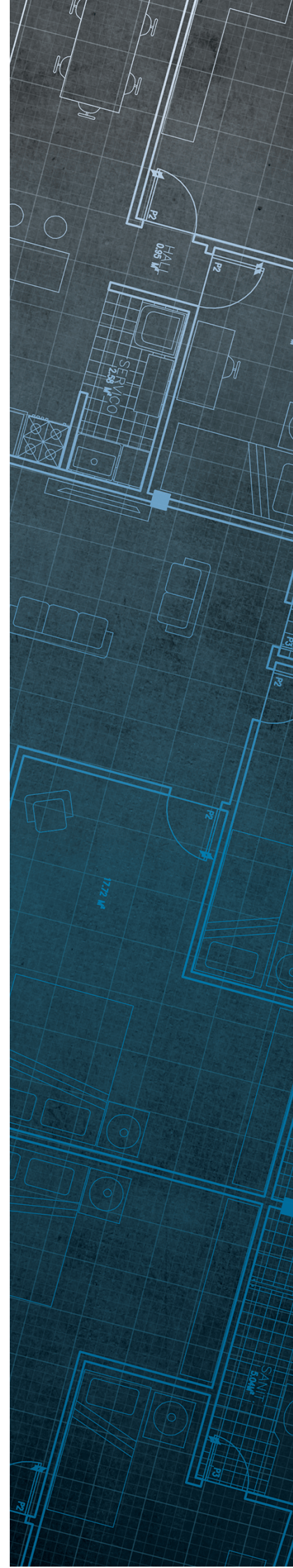
The Coal
Authority

Consultants Coal Mining Report

Little Haven Hotel
Little Haven Hotel
River Drive
South Shields
South Tyneside
NE33 1LH

Date of enquiry:	15 January 2026
Date enquiry received:	15 January 2026
Issue date:	15 January 2026

Our reference:	51003547527001
Your reference:	25-810



Consultants

Coal Mining Report

This report is based on and limited to the records held by the Coal Authority at the time the report was produced.

Client name

ARC ENVIRONMENTAL LTD

Enquiry address

Little Haven Hotel
Little Haven Hotel
River Drive
South Shields
South Tyneside
NE33 1LH

How to contact us

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

200 Lichfield Lane
Mansfield
Nottinghamshire
NG18 4RG

reports@miningremediation.gov.uk



Approximate position of property



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Section 1 – Mining activity and geology

Past underground mining

No past mining recorded.

Probable unrecorded shallow workings

None.

Spine roadways at shallow depth

No spine roadway recorded at shallow depth.

Mine entries

None recorded within 100 metres of the enquiry boundary.

Abandoned mine plan catalogue numbers

The following abandoned mine plan catalogue numbers intersect with some, or all, of the enquiry boundary:

D841		
------	--	--

For assistance in identifying the specific abandoned mine plans relevant to your requirements, **please contact us at InformationManagers@MiningRemediation.gov.uk**.

Outcrops

Seam name	Mineral	Seam workable	Distance to outcrop (m)	Direction to outcrop	Bearing of outcrop
HIGH MAIN	Coal	No	Within	N/A	54

Geological faults, fissures and breaklines

No faults, fissures or breaklines recorded.

Opencast mines

None recorded within 500 metres of the enquiry boundary.

Coal Authority managed tips

None recorded within 500 metres of the enquiry boundary.

Section 2 – Investigative or remedial activity

Please refer to the 'Summary of findings' map (on separate sheet) for details of any activity within the area of the site boundary.

Site investigations

None recorded within 50 metres of the enquiry boundary.

Remediated sites

None recorded within 50 metres of the enquiry boundary.

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 31 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.

Mine gas

None recorded within 500 metres of the enquiry boundary.

Mine water treatment schemes

None recorded within 500 metres of the enquiry boundary.

Section 3 – Licensing and future mining activity

Future underground mining

None recorded.

Coal mining licensing

None recorded within 200 metres of the enquiry boundary.

Court orders

None recorded.

Section 46 notices

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

Withdrawal of support notices

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.

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.

Section 4 – Further information

Based on the responses in this report, no further information has been highlighted.

Future development

If development proposals are being considered, technical advice relating to both the investigation of coal and former coal mines and their treatment should be obtained before beginning work on site. All proposals should apply specialist engineering practice required for former mining areas. No development should be undertaken that intersects, disturbs or interferes with any coal or coal mines without first obtaining the permission of the Coal Authority.

MINE GAS: Please note, if there are no recorded instances of mine gas within 500m of the enquiry boundary, this does not mean that mine gas is not present within the vicinity. The Coal Authority Mine Gas data is limited to only those sites where a Mine Gas incident has been recorded. Developers should be aware that the investigation of coal seams, mine workings or mine entries may have the potential to generate and/or displace underground gases. Associated risks both to the development site and any neighbouring land or properties should be fully considered when undertaking any ground works. The need for effective measures to prevent gases migrating onto any land or into any properties, either during investigation or remediation work, or after development must also be assessed and properly addressed. In these instances, the Coal Authority recommends that a more detailed Gas Risk Assessment is undertaken by a competent assessor.

Section 5 – Data definitions

The datasets used in this report have limitations and assumptions within their results. For more guidance on the data and the results specific to the enquiry boundary, please **email us at reports@miningremediation.gov.uk**.

Past underground coal mining

Details of all recorded underground mining relative to the enquiry boundary. Only past underground workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination, will be included.

Probable unrecorded shallow workings

Areas where the Coal Authority believes there to be unrecorded coal workings that exist at or close to the surface (less than 30 metres deep).

Spine roadways at shallow depth

Connecting roadways either, working to working, or, surface to working, both in-seam and cross measures that exist at or close to the surface (less than 30 metres deep), either within or within 10 metres of the enquiry boundary.

Mine entries

Details of any shaft or adit either within, or within 100 metres of the enquiry boundary including approximate location, brief treatment details where known, the mineral worked from the mine entry and conveyance details where the mine entry has previously been sold by the Authority or its predecessors British Coal or the National Coal Board.

Abandoned mine plan catalogue numbers

Plan numbers extracted from the abandoned mines catalogue containing details of coal and other mineral abandonment plans deposited via the Mines Inspectorate in accordance with the Coal Mines Regulation Act and Metalliferous Mines Regulation Act 1872. A maximum of 9 plan extents that intersect with the enquiry boundary will be included. This does not infer that the workings and/or mine entries shown on the abandonment plan will be relevant to the site/property boundary.

Outcrops

Details of seam outcrops will be included where the enquiry boundary intersects with a conjectured or actual seam outcrop location (derived by either the British Geological Survey or the Coal Authority) or intersects with a defined 50 metres buffer on the coal (dip) side of the outcrop. An indication of whether the Coal Authority believes the seam to be of sufficient thickness and/or quality to have been worked will also be included.

Geological faults, fissures and breaklines

Geological disturbances or fractures in the bedrock. Surface fault lines (British Geological Survey derived data) and fissures and breaklines (Coal Authority derived data) intersecting with the enquiry boundary will be included. In some circumstances faults, fissures or breaklines have been known to contribute to surface subsidence damage as a consequence of underground coal mining.

Opencast mines

Opencast coal sites from which coal has been removed in the past by opencast (surface) methods and where the enquiry boundary is within 500 metres of either the licence area, site boundary, excavation area (high wall) or coaling area.

Coal Authority managed tips

Locations of disused colliery tip sites owned and managed by the Coal Authority, located within 500 metres of the enquiry boundary.

Site investigations

Details of site investigations within 50 metres of the enquiry boundary where the Coal Authority has received information relating to coal mining risk investigation and/or remediation by third parties.

Remediated sites

Sites where the Coal Authority has undertaken remedial works either within or within 50 metres of the enquiry boundary following report of a hazard relating to coal mining under the Coal Authority's Emergency Surface Hazard Call Out procedures.

Coal mining subsidence

Details of alleged coal mining subsidence claims made since 31 October 1994 either within or within 50 metres of the enquiry boundary. Where the claim relates to the enquiry boundary confirmation of whether the claim was accepted, rejected or whether liability is still being determined will be given. Where the claim has been discharged, whether this was by repair, payment of compensation or a combination of both, the value of the claim, where known, will also be given.

Details of any current 'Stop Notice' deferring remedial works or repairs affecting the property/site, and if so the date of the notice.

Details of any request made to execute preventative works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991. If yes, whether any person withheld consent or failed to comply with any request to execute preventative works.

Mine gas

Reports of alleged mine gas emissions received by the Coal Authority, either within or within 500 metres of the enquiry boundary that subsequently required investigation and action by the Coal Authority to mitigate the effects of the mine gas emission. Please note, if there are no recorded instances of mine gas reported, this does not mean that mine gas is not present within the vicinity. The Coal Authority Mine Gas data is limited to only those sites where a Mine Gas incident has been recorded.

Mine water treatment schemes

Locations where the Coal Authority has constructed or operates assets that remove pollutants from mine water prior to the treated mine water being discharged into the receiving water body.

These schemes are part of the UK's strategy to meet the requirements of the Water Framework Directive. Schemes fall into 2 basic categories: Remedial – mitigating the impact of existing pollution or Preventative – preventing a future pollution incident.

Mine water treatment schemes generally consist of one or more primary settlement lagoons and one or more reed beds for secondary treatment. A small number are more specialised process treatment plants.

Future underground mining

Details of all planned underground mining relative to the enquiry boundary. Only those future workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination will be included.

Coal mining licensing

Details of all licenses issued by the Coal Authority either within or within 200 metres of the enquiry boundary in relation to the under taking of surface coal mining, underground coal mining or underground coal gasification.

Court orders

Orders in respect of the working of coal under the Mines (Working Facilities and Support) Acts of 1923 and 1966 or any statutory modification or amendment thereof.

Section 46 notices

Notice of proposals relating to underground coal mining operations that have been given under section 46 of the Coal Mining Subsidence Act 1991.

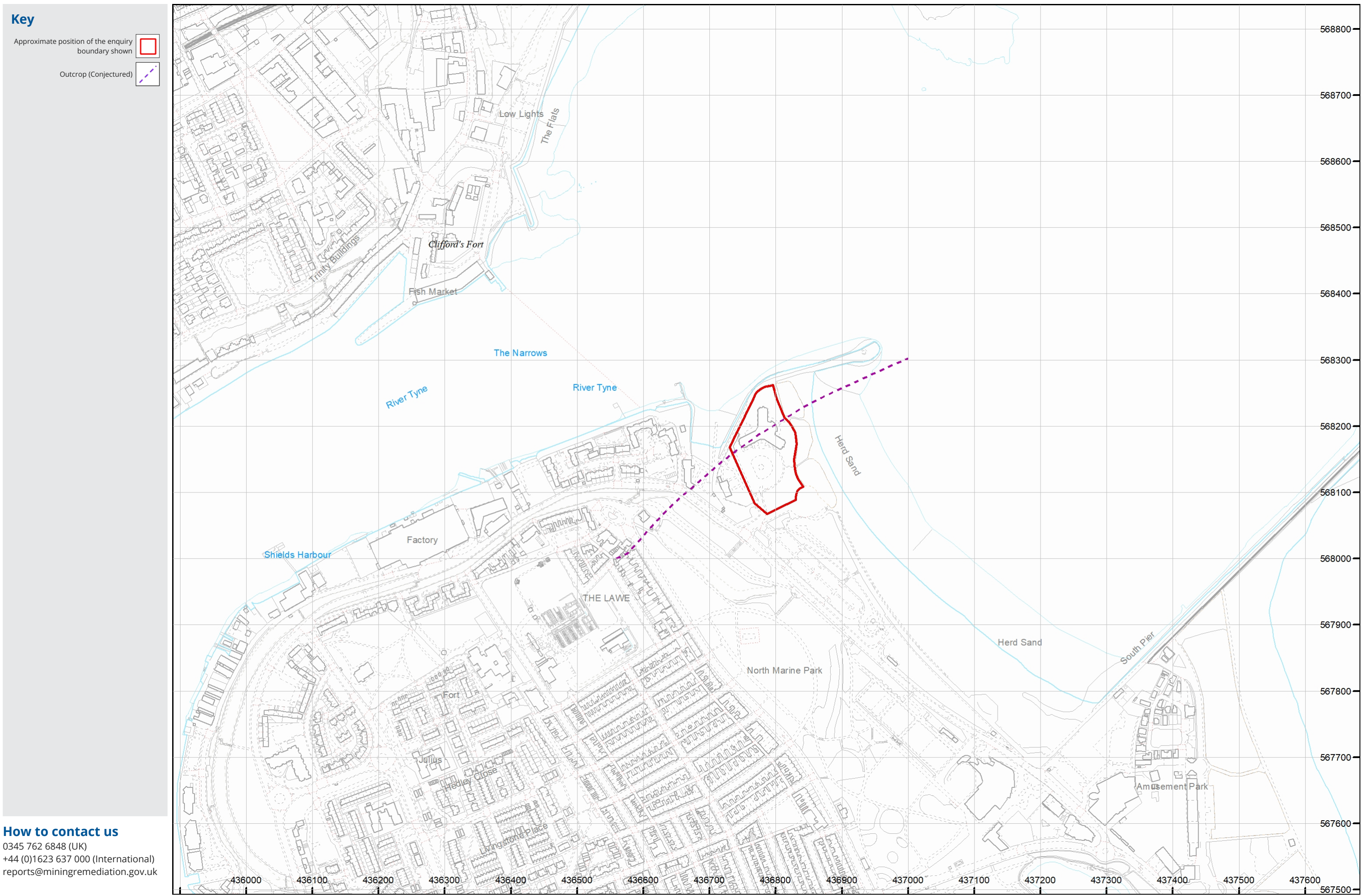
Withdrawal of support notices

Published notices of entitlement to withdraw support and the date of the notice. Details of any revocation notice withdrawing the entitlement to withdraw support given under Section 41 of the Coal Industry Act 1994.

Payment to owners of former copyhold land

Relevant notices which may affect the property and any subsequent notice of retained interests in coal and coal mines, acceptance or rejection notices and whether any compensation has been paid to a claimant.

The map highlights any specific surface or subsurface features within or near to the boundary of the site.



(1080) Wt 18400-3 1000 2/21 M & G Ltd G14

SECTION OF

Imp H5. NZ 36 NE/18

BGS REGISTRATION NO.

NZ 36 NE 18 - A - E

PAGE NO. 1

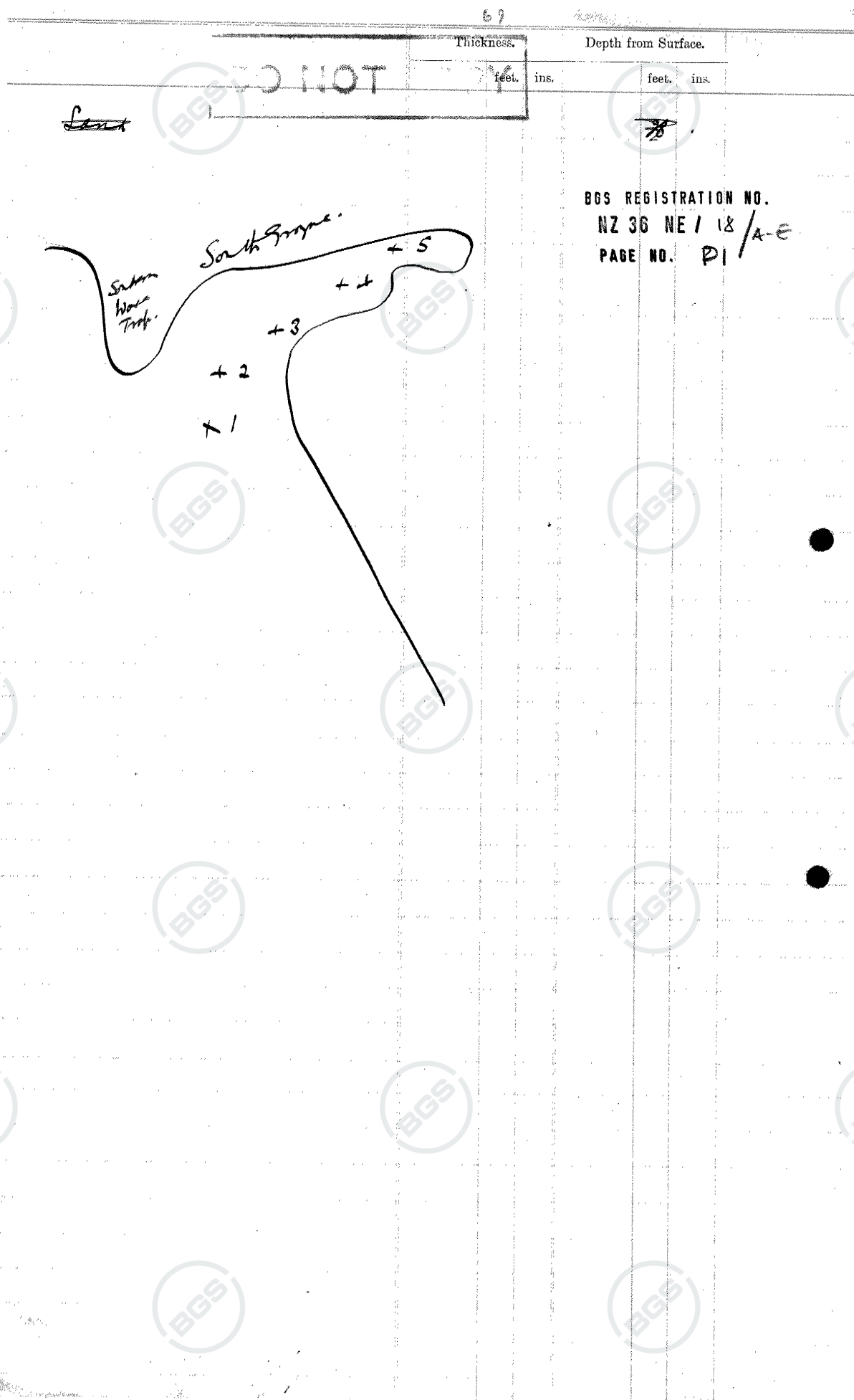
Surface Level *balise* O.D.

Communicated *14th May 1924* by *Lyne Improvement Commission.*

Date of boring or sinking *Feb-Mar. 1910* Borer *T. I. C.*

One-inch Map *20* Six-inch Map (County and Half-Quarter Sheet) *Durham 4 NW*

	Thickness.		Depth from Surface.	
	feet.	ins.	feet.	ins.
<i>18/A No. 1.</i>				
<i>Sand</i>	11	5	11	5
<i>Cluster of flat stones & gravel</i>	1	5	12 0	
<i>Sand</i>	2	11	15	9
<i>Brick clay</i>	9	9	25	6
<i>18/B No. 2.</i>				
<i>Sand</i>	18	4	18	4
<i>Brick clay</i>	7	8	26	
<i>18/C No. 3.</i>				
<i>Sand</i>	2	6	3	6
<i>limestone rubble with sand</i>	2	8	6	2
<i>Sand</i>	13	4	19	6
<i>Brick stones</i>	1	3	20	9
<i>Sand and gravel</i>	4	3	25	
<i>18/D No. 4.</i>				
<i>Sand and limestone rubble.</i>	2	6	2	6
<i>Sand</i>	12	3	14	9
<i>Sand and gravel</i>	1	9	22	6
<i>Sand</i>	2	8	26	2
<i>18/E No. 5.</i>				
<i>Concrete</i>		3		3
<i>limestone rubble.</i>	14	8	14	11
<i>Sand</i>		11	15	10
<i>limestone rubble</i>	3	11	19	9
<i>Sand</i>	8	3	27	



APPENDIX III

Landmark Information Group – Envirocheck Report

RMS Detailed UXO Risk Assessment Report

Zetica UXO Risk Map



Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

393499865_1_1

Customer Reference:

25-810

National Grid Reference:

436790, 568160

Slice:

A

Site Area (Ha):

1.28

Search Buffer (m):

1000

Site Details:

Little Haven Hotel, River Drive
South Shields
NE33 1LH

Client Details:

Mr D McGrath
Arc Environmental Ltd
Unit 1
Elliot Court
St John's Road
Meadowfield
Durham
DH7 8PN

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	24
Hazardous Substances	-
Geological	31
Industrial Land Use	35
Sensitive Land Use	50
Data Currency	52
Data Suppliers	57
Useful Contacts	58

Introduction

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

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Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England. The probability result is only valid for properties above ground. All basement and cellar areas are considered to be at additional risk from high radon levels. If an underground room such as a cellar or basement makes up part of the living or working accommodation, the property should be tested regardless of Radon Affected Area status.

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2		12	26	24
Prosecutions	pg 17				1
Enforcement and Prohibition Notices					
Integrated Pollution Controls	pg 17				1
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 18				3
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 18		Yes		
Pollution Incidents to Controlled Waters	pg 18		2	2	8
Historical Prosecutions					
Registered Radioactive Substances					
Substantiated Pollution Incident Register	pg 20				2
Water Abstractions	pg 20				(*1)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 21	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 21	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 21	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 21	Yes		n/a	n/a
Flooding from Rivers or Sea without Defences	pg 21	Yes	Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences	pg 21		Yes	n/a	n/a
OS Water Network Lines	pg 21			2	5
Water Framework Directive - Catchment	pg 22	Yes			Yes
Water Framework Directive - Groundwater	pg 22	Yes			
Water Framework Directive - Surface Waters	pg 22		Yes		Yes

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 24				4
Integrated Pollution Control Registered Waste Sites	pg 24				5
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 25			1	5
Local Authority Landfill Coverage		1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 27				2
Potentially Infilled Land (Non-Water)	pg 27				2
Potentially Infilled Land (Water)	pg 27				2
Registered Landfill Sites	pg 27				2
Registered Waste Transfer Sites	pg 28				3
Registered Waste Treatment or Disposal Sites	pg 29				2
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
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)
Geological					
BGS 1:625,000 Solid Geology	pg 31	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 31	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 32				2
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 33	Yes	n/a	n/a	n/a
Mining Instability	pg 33	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 33		Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 33	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 33	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 33		Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 34	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 35		1	10	84
Fuel Station Entries	pg 43				2
Points of Interest - Commercial Services	pg 43			1	21
Points of Interest - Education and Health	pg 45				1
Points of Interest - Manufacturing and Production	pg 45			4	18
Points of Interest - Public Infrastructure	pg 47		4	4	10
Points of Interest - Recreational and Environmental	pg 48		2	1	7
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland					
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 50				1
Sites of Special Scientific Interest	pg 50			1	1
Special Areas of Conservation					
Special Protection Areas	pg 50				1
World Heritage Sites	pg 50		2		

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (W)	0	1	436750 568150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (NE)	0	1	436790 568163
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (W)	0	1	436750 568163
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (E)	0	1	436800 568163
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (N)	0	1	436790 568250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (E)	10	1	436850 568150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	11	1	436750 568100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (E)	20	1	436850 568163
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	38	1	436700 568100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	49	1	436850 568250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	60	1	436900 568100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (W)	81	1	436650 568163
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	83	1	436650 568150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	232	1	436500 568150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	246	1	436900 567850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	268	1	436950 567850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (W)	282	1	436450 568150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12SE (W)	332	1	436400 568150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	338	1	436400 568100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (NW)	355	1	436450 568400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	387	1	436350 568100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	399	1	436350 568050

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12SE (W)	437	1	436300 568100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	447	1	436300 568050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (NW)	467	1	436350 568450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A17SE (NW)	478	1	436400 568550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (NW)	489	1	436300 568400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (NW)	490	1	436350 568500
1	Discharge Consents Operator: Northumbrian Water Limited Property Type: Sewerage Network - Pumping Station - Water Company Location: Pilot Street Pumping Station South Shields Watersports Centre, River Drive, South Shields, Tyne & Wear, Ne33 1lh Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/0076 Permit Version: 2 Effective Date: 1st April 2010 Issued Date: 31st March 2010 Revocation Date: 1st December 2010 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Saline Estuary Environment: Tyne Receiving Water: Tyne Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	45	2	436725 568072
1	Discharge Consents Operator: Northumbrian Water Limited Property Type: Sewerage Network - Pumping Station - Water Company Location: Pilot Street Pumping Station South Shields Watersports Centre, River Drive, South Shields, Tyne & Wear, Ne33 1lh Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/0076 Permit Version: 3 Effective Date: 2nd December 2010 Issued Date: 31st March 2010 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Saline Estuary Environment: Tyne Receiving Water: Tyne Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	45	2	436725 568072
2	Discharge Consents Operator: Northumbrian Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: South Shields Pilot Sps South Shields Watersports Centre, River Drive, South Shields, Tyne & Wear, Ne33 1lh Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/0076 Permit Version: 4 Effective Date: 7th September 2022 Issued Date: 7th September 2022 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Saline Estuary Environment: River Tyne (Tidal) Receiving Water: River Tyne (Tidal) Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	122	2	436630 568239

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Discharge Consents Operator: Northumbrian Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: South Shields Pilot Sps South Shields Watersports Centre, River Drive, South Shields, Tyne & Wear, Ne33 1lh Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/0076 Permit Version: 4 Effective Date: 7th September 2022 Issued Date: 7th September 2022 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Saline Estuary Environment: Receiving Water: River Tyne (Tidal) Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	122	2	436630 568239
2	Discharge Consents Operator: Northumbrian Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: South Shields Pilot Sps South Shields Watersports Centre, River Drive, South Shields, Tyne & Wear, Ne33 1lh Authority: Environment Agency, North East Region Catchment Area: Tyne (Lower)/Team/Don Reference: 235/0076 Permit Version: 1 Effective Date: 29th November 1989 Issued Date: 29th November 1989 Revocation Date: 31st March 2010 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Saline Estuary Environment: Receiving Water: Tyne Status: Transferred from Water Act 1989 Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	122	2	436630 568240
2	Discharge Consents Operator: Northumbrian Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: South Shields Pilot Sps South Shields Watersports Centre, River Drive, South Shields, Tyne & Wear, Ne33 1lh Authority: Environment Agency, North East Region Catchment Area: Tyne (Lower)/Team/Don Reference: 235/0076 Permit Version: 1 Effective Date: 29th November 1989 Issued Date: 29th November 1989 Revocation Date: 31st March 2010 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Saline Estuary Environment: Receiving Water: Tyne Status: Transferred from Water Act 1989 Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	122	2	436630 568240
2	Discharge Consents Operator: Northumbrian Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: South Shields Pilot Sps South Shields Watersports Centre, River Drive, South Shields, Tyne & Wear, Ne33 1lh Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/X/0076 Permit Version: 1 Effective Date: 24th April 1987 Issued Date: 28th April 1987 Revocation Date: 22nd May 1991 Discharge Type: Unspecified Discharge: Saline Estuary Environment: Receiving Water: Tyne Estuary Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	122	2	436630 568240

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Discharge Consents Operator: Northumbrian Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: South Shields Pilot Sps South Shields Watersports Centre, River Drive, South Shields, Tyne & Wear, Ne33 1lh Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/0076 Permit Version: 2 Effective Date: 1st April 2010 Issued Date: 31st March 2010 Revocation Date: 1st December 2010 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Saline Estuary Environment: Receiving Water: Tyne Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	123	2	436629 568240
2	Discharge Consents Operator: Northumbrian Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: South Shields Pilot Sps South Shields Watersports Centre, River Drive, South Shields, Tyne & Wear, Ne33 1lh Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/0076 Permit Version: 2 Effective Date: 1st April 2010 Issued Date: 31st March 2010 Revocation Date: 1st December 2010 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Saline Estuary Environment: Receiving Water: Tyne Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	123	2	436629 568240
2	Discharge Consents Operator: Northumbrian Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: South Shields Pilot Sps South Shields Watersports Centre, River Drive, South Shields, Tyne & Wear, Ne33 1lh Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/0076 Permit Version: 3 Effective Date: 2nd December 2010 Issued Date: 31st March 2010 Revocation Date: 6th September 2022 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Saline Estuary Environment: Receiving Water: Tyne Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	123	2	436629 568240
2	Discharge Consents Operator: Northumbrian Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: South Shields Pilot Sps South Shields Watersports Centre, River Drive, South Shields, Tyne & Wear, Ne33 1lh Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/0076 Permit Version: 3 Effective Date: 2nd December 2010 Issued Date: 31st March 2010 Revocation Date: 6th September 2022 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Saline Estuary Environment: Receiving Water: Tyne Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	123	2	436629 568240

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	Discharge Consents Operator: Northumbrian Water Limited Property Type: Undefined Or Other Location: Union Quay Opposite No.4, North Shields Authority: Environment Agency, North East Region Catchment Area: Tyne (Lower)/Team/Don Reference: 235/X/0281 Permit Version: 1 Effective Date: 16th July 1987 Issued Date: 16th July 1987 Revocation Date: 10th July 1996 Discharge Type: Unspecified Discharge: Saline Estuary Environment: Receiving Water: Tyne Estuary Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	175	2	436940 568360
4	Discharge Consents Operator: Northumbrian Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Littlehaven Ps, North Shields, Tyne And Wear Authority: Environment Agency, North East Region Catchment Area: Tyne (Lower)/Team/Don Reference: 235/1129 Permit Version: 1 Effective Date: 1st July 1992 Issued Date: 1st July 1992 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Saline Estuary Environment: Receiving Water: Tyne Estuary Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 10m	A13NW (W)	263	2	436468 568171
5	Discharge Consents Operator: Northumbrian Water Limited Property Type: Undefined Or Other Location: Lloyds Hailing Station Outfall 14, North Shields Authority: Environment Agency, North East Region Catchment Area: Tyne (Lower)/Team/Don Reference: 235/X/0279 Permit Version: 1 Effective Date: 16th July 1987 Issued Date: 16th July 1987 Revocation Date: 1st July 1995 Discharge Type: Unspecified Discharge: Saline Estuary Environment: Receiving Water: Tyne Estuary Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	310	2	436520 568430
6	Discharge Consents Operator: Plant Services (Gateshead) Ltd Property Type: MAKING OF MACHINERY/ENGINE/PUMP/FURNACE/TRACTOR Location: Plant Services (Gateshead) Ltd, South Shields, Tyne And Wear, Ne33 1lh Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/0224 Permit Version: 1 Effective Date: 2nd October 1985 Issued Date: 2nd October 1985 Revocation Date: 11th November 1992 Discharge Type: Trade Discharge - Process Water Discharge: Saline Estuary Environment: Receiving Water: Tyne Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A12SE (W)	338	2	436400 568100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Discharge Consents Operator: Northumbrian Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: North Groyne Sps Off Union Road, Tanners Bank, North Shields, Tyne & Wear, Ne30 1jh Authority: Environment Agency, North East Region Catchment Area: Tyne (Lower)/Team/Don Reference: 235/1481 Permit Version: 1 Effective Date: 5th September 1994 Issued Date: 5th September 1994 Revocation Date: 1st May 2023 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Saline Estuary Environment: Receiving Water: Tyne Estuary Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	364	2	436490 568480
7	Discharge Consents Operator: Northumbrian Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: North Groyne Sps Off Union Road, Tanners Bank, North Shields, Tyne & Wear, Ne30 1jh Authority: Environment Agency, North East Region Catchment Area: Tyne (Lower)/Team/Don Reference: 235/1481 Permit Version: 1 Effective Date: 5th September 1994 Issued Date: 5th September 1994 Revocation Date: 1st May 2023 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Saline Estuary Environment: Receiving Water: Tyne Estuary Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	364	2	436490 568480
8	Discharge Consents Operator: Northumbrian Water Ltd Property Type: Undefined Or Other Location: Fish Quay Cso, NORTH SHIELDS Authority: Environment Agency, North East Region Catchment Area: Not Given Reference: 235/1573 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Storm sewage overflow discharge Discharge: Saline Estuary Environment: Receiving Water: Tyne Estuary Status: Not Given Positional Accuracy: Located by supplier to within 100m	A12NE (NW)	381	2	436445 568445
8	Discharge Consents Operator: Northumbrian Water Ltd Property Type: Undefined Or Other Location: Fish Quay Cso, NORTH SHIELDS Authority: Environment Agency, North East Region Catchment Area: Not Given Reference: 235/1573 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Unknown Discharge: Saline Estuary Environment: Receiving Water: Tyne Estuary Status: Not Given Positional Accuracy: Located by supplier to within 100m	A12NE (NW)	385	2	436440 568445

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	Discharge Consents Operator: Northumbrian Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Fish Quay Cso, North Shields, Tyne & Wear Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/1914 Permit Version: 1 Effective Date: 25th January 2005 Issued Date: 25th January 2005 Revocation Date: 5th July 2010 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Saline Estuary Environment: Receiving Water: Tyne Estuary Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	387	2	436440 568450
8	Discharge Consents Operator: Northumbrian Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Fish Quay Cso, North Shields, Tyne & Wear Authority: Environment Agency, North East Region Catchment Area: Not Given Reference: 235/1573 Permit Version: 1 Effective Date: 26th January 1996 Issued Date: 26th January 1996 Revocation Date: 25th January 2005 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Saline Estuary Environment: Receiving Water: Tyne Estuary Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	387	2	436440 568450
9	Discharge Consents Operator: Northumbrian Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Fish Quay Storm Sewage Overflow, North Shields, Tyne And Wear Authority: Environment Agency, North East Region Catchment Area: Tyne (Lower)/Team/Don Reference: 235/1479 Permit Version: 1 Effective Date: 5th September 1994 Issued Date: 5th September 1994 Revocation Date: 26th January 1996 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Saline Estuary Environment: Receiving Water: Tyne Estuary Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	398	2	436480 568520
10	Discharge Consents Operator: Northumbrian Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: North Groyne Sps Off Union Road, Tanners Bank, North Shields, Tyne & Wear, Ne30 1jh Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/1481 Permit Version: 2 Effective Date: 2nd May 2023 Issued Date: 2nd May 2023 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Saline Estuary Environment: Receiving Water: Tyne Estuary Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	424	2	436428 568498

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Discharge Consents Operator: Northumbrian Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: North Groyne Sps Off Union Road, Tanners Bank, North Shields, Tyne & Wear, Ne30 1jh Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/1481 Permit Version: 2 Effective Date: 2nd May 2023 Issued Date: 2nd May 2023 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Saline Estuary Environment: Tyne Estuary Receiving Water: Tyne Estuary Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	424	2	436428 568498
10	Discharge Consents Operator: Northumbrian Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Swaddles Hole Cso, North Shields, Tyne And Wear Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/1915 Permit Version: 2 Effective Date: 20th August 2010 Issued Date: 20th August 2010 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Saline Estuary Environment: River Tyne Estuary Receiving Water: River Tyne Estuary Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	426	2	436420 568490
10	Discharge Consents Operator: Northumbrian Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Fish Quay Cso, North Shields, Tyne & Wear Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/1914 Permit Version: 2 Effective Date: 5th July 2010 Issued Date: 5th July 2010 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Saline Estuary Environment: Tyne Estuary Receiving Water: Tyne Estuary Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	426	2	436420 568490
10	Discharge Consents Operator: Northumbrian Water Limited Property Type: Undefined Or Other Location: Cliffords Fort/Life Boat House Outf, North Shields Authority: Environment Agency, North East Region Catchment Area: Tyne (Lower)/Team/Don Reference: 235/X/0282 Permit Version: 1 Effective Date: 16th July 1987 Issued Date: 16th July 1987 Revocation Date: 1st July 1996 Discharge Type: Unspecified Discharge: Saline Estuary Environment: Tyne Estuary Receiving Water: Tyne Estuary Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	442	2	436430 568530

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Discharge Consents Operator: Plant Services (Gateshead) Ltd Property Type: MAKING OF MACHINERY/ENGINE/PUMP/FURNACE/TRACTOR Location: Plant Services (Gateshead) Ltd, South Shields, Tyne And Wear, Ne33 1lh Authority: Environment Agency, North East Region Catchment Area: Tyne (Lower)/Team/Don Reference: 235/1151 Permit Version: 1 Effective Date: 11th November 1992 Issued Date: 11th November 1992 Revocation Date: 27th May 2025 Discharge Type: Trade Discharge - Process Water Discharge: Saline Estuary Environment: Receiving Water: Tyne Estuary Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A12SE (W)	425	2	436310 568110
12	Discharge Consents Operator: Northumbrian Water Limited Property Type: Undefined Or Other Location: Charlotte Street/Beacon Street - A2, North Shields Authority: Environment Agency, North East Region Catchment Area: Tyne (Lower)/Team/Don Reference: 235/X/0037 Permit Version: 1 Effective Date: 11th February 1987 Issued Date: 11th February 1987 Revocation Date: 1st July 1996 Discharge Type: Unspecified Discharge: Saline Estuary Environment: Receiving Water: Tyne Estuary Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A12NE (NW)	480	2	436340 568460
12	Discharge Consents Operator: Northumbrian Water Limited Property Type: Undefined Or Other Location: Charlotte Street/Beacon Street - A2, North Shields Authority: Environment Agency, North East Region Catchment Area: Tyne (Lower)/Team/Don Reference: 235/X/0038 Permit Version: 1 Effective Date: 11th February 1987 Issued Date: 11th February 1987 Revocation Date: 1st July 1996 Discharge Type: Unspecified Discharge: Saline Estuary Environment: Receiving Water: Tyne Estuary Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	480	2	436340 568460
13	Discharge Consents Operator: Northumbrian Water Limited Property Type: Undefined Or Other Location: Lloyds Hailing Station Outfall 16, North Shields Authority: Environment Agency, North East Region Catchment Area: Tyne (Lower)/Team/Don Reference: 235/X/0283 Permit Version: 1 Effective Date: 16th July 1987 Issued Date: 16th July 1987 Revocation Date: 1st July 1996 Discharge Type: Unspecified Discharge: Saline Estuary Environment: Receiving Water: Tyne Estuary Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	490	2	436410 568580

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	Discharge Consents Operator: Northumbrian Water Limited Property Type: CSO ON UNADOPTED SEWERAGE NETWORK (NOT WATER COMPANY) Location: Fish Quay Sewer, Low Lights, North Shields, Tyne And Wear Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/B/0144 Permit Version: 1 Effective Date: 28th May 1971 Issued Date: 28th May 1971 Revocation Date: 25th December 1990 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Saline Estuary Environment: Receiving Water: Tyne Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	511	2	436400 568600
14	Discharge Consents Operator: Northumbrian Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Wapping Street Cso Outside Saft Ltd At Junc Of, Wapping St And River Drive, South Shields, South Tyneside, Ne33 2tr Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/1902 Permit Version: 3 Effective Date: 1st April 2018 Issued Date: 26th March 2018 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Saline Estuary Environment: Receiving Water: River Tyne Estuarine Waters Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A12SE (W)	491	2	436251 568068
14	Discharge Consents Operator: Northumbrian Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Wapping Street Cso Outside Saft Ltd At Junc Of, Wapping St And River Drive, South Shields, South Tyneside, Ne33 2tr Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/1902 Permit Version: 2 Effective Date: 1st April 2010 Issued Date: 1st April 2010 Revocation Date: 31st March 2018 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Saline Estuary Environment: Receiving Water: Tyne Saline Estuary Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A12SE (W)	491	2	436251 568067
14	Discharge Consents Operator: Northumbrian Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Wapping Street Cso Outside Saft Ltd At Junc Of, Wapping St And River Drive, South Shields, South Tyneside, Ne33 2tr Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/1902 Permit Version: 1 Effective Date: 24th January 2005 Issued Date: 24th January 2005 Revocation Date: 31st March 2010 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Saline Estuary Environment: Receiving Water: Tyne Saline Estuary Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A12SE (W)	491	2	436250 568070

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	Discharge Consents Operator: Northumbrian Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Wapping Street Cso Outside Saft Ltd At Junc Of, Wapping St And River Drive South Shields, South Tyneside, Ne33 2tr Authority: Environment Agency, North East Region Catchment Area: Tyne (Lower)/Team/Don Reference: 235/1641 Permit Version: 1 Effective Date: 7th August 1998 Issued Date: 7th August 1998 Revocation Date: 24th January 2005 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Saline Estuary Environment: Receiving Water: Tyne Saline Estuary Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A12SE (W)	491	2	436250 568070
14	Discharge Consents Operator: Northumbrian Water Limited Property Type: CSO ON UNADOPTED SEWERAGE NETWORK (NOT WATER COMPANY) Location: River Drive Sewer, South Shields, Tyne And Wear Authority: Environment Agency, North East Region Catchment Area: Tyne (Lower)/Team/Don Reference: 235/1409 Permit Version: 1 Effective Date: 19th July 1993 Issued Date: 19th July 1993 Revocation Date: 9th March 1999 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Saline Estuary Environment: Receiving Water: Tyne Estuary Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A12SE (W)	491	2	436250 568070
14	Discharge Consents Operator: Northumbrian Water Limited Property Type: CSO ON UNADOPTED SEWERAGE NETWORK (NOT WATER COMPANY) Location: River Drive Sewer, South Shields, Tyne And Wear Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/1165 Permit Version: 1 Effective Date: 29th October 1992 Issued Date: 29th October 1992 Revocation Date: 19th July 1993 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Saline Estuary Environment: Receiving Water: Tyne Estuary Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A12SE (W)	491	2	436250 568070
14	Discharge Consents Operator: Northumbrian Water Limited Property Type: CSO ON UNADOPTED SEWERAGE NETWORK (NOT WATER COMPANY) Location: River Drive Sewer, South Shields, Tyne And Wear Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/X/0077 Permit Version: 1 Effective Date: 28th April 1987 Issued Date: 28th April 1987 Revocation Date: 29th October 1992 Discharge Type: Unspecified Discharge: Saline Estuary Environment: Receiving Water: Tyne Estuary Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A12SE (W)	491	2	436250 568070

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	Discharge Consents Operator: Plant Services (Gateshead) Ltd Property Type: Undefined Or Other Location: Crompton Eternacell Limited, South Shields, Tyne And Wear Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/1061 Permit Version: 1 Effective Date: 10th May 1991 Issued Date: 10th May 1991 Revocation Date: 15th February 1994 Discharge Type: Trade Discharge - Process Water Discharge: Saline Estuary Environment: Receiving Water: Tyne Estuary Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A12SE (W)	536	2	436200 568100
16	Discharge Consents Operator: Northumbrian Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Union Quay Cso, Opposite 3-4 Union Quay, North Shields, Tyne And Wear, Ne30 1hj Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: Eprbb3497ez Permit Version: 2 Effective Date: 26th September 2018 Issued Date: 26th September 2018 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Saline Estuary Environment: Receiving Water: River Tyne (Tidal) Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A12NE (W)	619	2	436144 568363
16	Discharge Consents Operator: Northumbrian Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Union Quay Cso, Opposite 3-4 Union Quay, North Shields, Tyne And Wear, Ne30 1hj Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: Eprbb3497ez Permit Version: 1 Effective Date: 16th September 2014 Issued Date: 16th September 2014 Revocation Date: 25th September 2018 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Saline Estuary Environment: Receiving Water: River Tyne (Tidal) Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A12NE (W)	620	2	436143 568363
17	Discharge Consents Operator: Northumbrian Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Swaddles Hole Cso, North Shields, Tyne And Wear Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/1915 Permit Version: 1 Effective Date: 25th January 2005 Issued Date: 25th January 2005 Revocation Date: 19th August 2010 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Saline Estuary Environment: Receiving Water: River Tyne Estuary Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18NE (N)	625	2	436940 568870

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	Discharge Consents Operator: Northumbrian Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Swaddles Hole Cso, North Shields, Tyne & Wear Authority: Environment Agency, North East Region Catchment Area: Tyne (Lower)/Team/Don Reference: 235/1480 Permit Version: 1 Effective Date: 16th January 1995 Issued Date: 16th January 1995 Revocation Date: 25th January 2005 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Saline Estuary Environment: Receiving Water: River Tyne Estuary Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A18NE (N)	625	2	436940 568870
17	Discharge Consents Operator: Northumbrian Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Swaddles Hole Cso, North Shields, Tyne And Wear Authority: Environment Agency, North East Region Catchment Area: Tyne (Lower)/Team/Don Reference: 235/X/0280 Permit Version: 1 Effective Date: 16th July 1987 Issued Date: 16th July 1987 Revocation Date: 1st July 1996 Discharge Type: Unspecified Discharge: Saline Estuary Environment: Receiving Water: Tyne Estuary Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A18NE (N)	625	2	436940 568870
17	Discharge Consents Operator: Northumbrian Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Swaddles Hole Cso, North Shields, Tyne And Wear Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/X/0145 Permit Version: 1 Effective Date: 14th May 1987 Issued Date: 14th May 1987 Revocation Date: 31st May 1995 Discharge Type: Unspecified Discharge: Controlled Sea Environment: Receiving Water: North Sea Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A18NE (N)	625	2	436940 568870
18	Discharge Consents Operator: South Tyneside College Property Type: Undefined Or Other Location: Merchant Navy Fire Training Centre, Wapping Street, South Shields Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/1849 Permit Version: 1 Effective Date: 6th November 2002 Issued Date: 6th November 2002 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Site Drainage Discharge: Saline Estuary Environment: Receiving Water: River Tyne Saline Estuary Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A12SW (W)	807	2	435970 567900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	Discharge Consents Operator: Northumbrian Water Limited Property Type: Undefined Or Other Location: Wapping Street Outfall A - B3, South Shields Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/X/0078 Permit Version: 1 Effective Date: 28th April 1987 Issued Date: 28th April 1987 Revocation Date: 29th October 1992 Discharge Type: Unspecified Discharge: Saline Estuary Environment: Receiving Water: Tyne Estuary Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A12SW (W)	831	2	435960 567860
18	Discharge Consents Operator: Northumbrian Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Wapping Street Pumping Station, South Shields, South Tyneside Authority: Environment Agency, North East Region Catchment Area: Tyne (Lower)/Team/Don Reference: 235/1642 Permit Version: 1 Effective Date: 7th August 1998 Issued Date: 7th August 1998 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Saline Estuary Environment: Receiving Water: Tyne Saline Estuary Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A12SW (W)	840	2	435950 567860
18	Discharge Consents Operator: Northumbrian Water Limited Property Type: Undefined Or Other Location: Wapping Street B3 Outfall, South Shields, Tyne And Wear Authority: Environment Agency, North East Region Catchment Area: Tyne (Lower)/Team/Don Reference: 235/1166 Permit Version: 1 Effective Date: 29th October 1992 Issued Date: 29th October 1992 Revocation Date: 9th March 1999 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Saline Estuary Environment: Receiving Water: Tyne Estuary Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A12SW (W)	840	2	435950 567860
19	Discharge Consents Operator: Tynemouth Ice Limited Property Type: Undefined Or Other Location: Tynemouth Ice Factory, Bell Street, North Shields Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/1718 Permit Version: 1 Effective Date: 4th November 1999 Issued Date: 4th November 1999 Revocation Date: 31st March 2004 Discharge Type: Trade Discharges - Cooling Water Discharge: Saline Estuary Environment: Receiving Water: River Tyne Saline Estuary Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A12NW (W)	823	2	435910 568220

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	Discharge Consents Operator: Northumbrian Water Limited Property Type: Undefined Or Other Location: Adjacent Ice Factory Liddel Street, North Shields Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/X/0054 Permit Version: 1 Effective Date: 9th April 1987 Issued Date: 9th April 1987 Revocation Date: 6th November 1995 Discharge Type: Unspecified Discharge: Saline Estuary Environment: Receiving Water: Tyne Estuary Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A12NW (W)	881	2	435850 568180
20	Discharge Consents Operator: Northumbrian Water Limited Property Type: Undefined Or Other Location: An Outfall At Ice Factory Liddle St, North Shields, Tyne And Wear Authority: Environment Agency, North East Region Catchment Area: Tyne (Lower)/Team/Don Reference: 235/1349 Permit Version: 1 Effective Date: 6th November 1995 Issued Date: 6th November 1995 Revocation Date: 3rd August 2000 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Saline Estuary Environment: Receiving Water: Tyne Estuary Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A12NW (W)	891	2	435840 568170
21	Discharge Consents Operator: Northumbrian Water Limited Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Pier Cottages Septic Tank, Tynemouth Priory, Tynemouth Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/1863 Permit Version: 1 Effective Date: 20th June 2003 Issued Date: 20th June 2003 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Saline Estuary Environment: Receiving Water: River Tyne Saline Estuary Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	886	2	437340 568960
22	Discharge Consents Operator: Northumbrian Water Limited Property Type: WTW/WATER COLLECTION/TREATMENT/SUPPLY Location: Wapping Street Septic Tank, South Shields, South Tyneside Authority: Environment Agency, North East Region Catchment Area: Tyne (Lower)/Team/Don Reference: 235/1643 Permit Version: 1 Effective Date: 7th August 1998 Issued Date: 7th August 1998 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Saline Estuary Environment: Receiving Water: Tyne Saline Estuary Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	916	2	435910 567760

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	Discharge Consents Operator: Northumbrian Water Limited Property Type: Undefined Or Other Location: Wapping Street B4 Outfall, South Shields, Tyne And Wear Authority: Environment Agency, North East Region Catchment Area: Tyne (Lower)/Team/Don Reference: 235/1167 Permit Version: 1 Effective Date: 29th October 1992 Issued Date: 29th October 1992 Revocation Date: 9th March 1999 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Saline Estuary Environment: Receiving Water: Tyne Estuary Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	916	2	435910 567760
22	Discharge Consents Operator: Northumbrian Water Limited Property Type: Undefined Or Other Location: Wapping Street B4 Outfall, South Shields, Tyne And Wear Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/X/0079 Permit Version: 1 Effective Date: 28th April 1987 Issued Date: 28th April 1987 Revocation Date: 29th October 1992 Discharge Type: Unspecified Discharge: Saline Estuary Environment: Receiving Water: Tyne Estuary Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	916	2	435910 567760
23	Discharge Consents Operator: Northumbrian Water Limited Property Type: Undefined Or Other Location: Bedford Street - Smiths Repair Yard, North Shields Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/X/0278 Permit Version: 1 Effective Date: 16th July 1987 Issued Date: 16th July 1987 Revocation Date: 10th February 1994 Discharge Type: Unspecified Discharge: Saline Estuary Environment: Receiving Water: Tyne Estuary Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A11SE (W)	974	2	435760 568100
23	Discharge Consents Operator: Northumbrian Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Bedford Street Cso Nty057, 131 Bedford Street, North Shields, Tyne And Wear, Ne29 6nt Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/1910 Permit Version: 3 Effective Date: 13th February 2019 Issued Date: 13th February 2019 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Saline Estuary Environment: Receiving Water: Tyne Estuary Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A11SE (W)	979	2	435754 568102

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	Discharge Consents Operator: Northumbrian Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Bedford Street Cso Nty057, 131 Bedford Street, North Shields, Tyne And Wear, Ne29 6nt Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/1910 Permit Version: 1 Effective Date: 25th January 2005 Issued Date: 25th January 2005 Revocation Date: 4th July 2010 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Saline Estuary Environment: Receiving Water: Tyne Estuary Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A11SE (W)	982	2	435750 568120
23	Discharge Consents Operator: Northumbrian Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Bedford Street Sso, North Shields, Tyne And Wear Authority: Environment Agency, North East Region Catchment Area: Tyne (Lower)/Team/Don Reference: 235/1032 Permit Version: 1 Effective Date: 9th November 1990 Issued Date: 9th November 1990 Revocation Date: 25th January 2005 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Saline Estuary Environment: Receiving Water: Tyne Estuary Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A11SE (W)	982	2	435750 568120
23	Discharge Consents Operator: Northumbrian Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Bedford Street Sso, North Shields, Tyne And Wear Authority: Environment Agency, North East Region Catchment Area: Tyne (Lower)/Team/Don Reference: 235/1049 Permit Version: 1 Effective Date: 9th November 1990 Issued Date: 9th November 1990 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Saline Estuary Environment: Receiving Water: Tyne Estuary Status: Transferred from Water Act 1989 Positional Accuracy: Located by supplier to within 10m	A11SE (W)	982	2	435750 568120
24	Prosecutions Location: East Percy Street North Shields, Tyne And Wear Ne Prosecution Text: Not Supplied Prosecution Act: ENVIRONMENTAL PROTECTION ACT 1990, SECTION 6 (1) Hearing Date: 18th December 2003 Verdict: Not Supplied Fine: Not Supplied Cost: Not Supplied Positional Accuracy: Manually positioned to the road within the address or location	A17SE (NW)	804	2	436139 568745
25	Integrated Pollution Controls Name: Crompton Eternacell Ltd Location: River Drive, SOUTH SHIELDS, Tyne And Wear, NE33 2TR Authority: Environment Agency, North East Region Permit Reference: AL0354 Dated: 11th November 1993 Process Type: Application since found to be exempt from IPC Description: Not Given Status: Application since found to be exempt from IPC Positional Accuracy: Unknown	A12SE (W)	519	2	436228 568044

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	Local Authority Pollution Prevention and Controls Name: Ocean Organics Ltd Location: 31 Tanners Bank, NORTH SHIELDS, Tyne and Wear, NE30 1JH Authority: North Tyneside Metropolitan Borough Council, Environmental Health Department Permit Reference: 0110075 Dated: 17th February 1995 Process Type: Local Authority Air Pollution Control Description: PG6/1Animal by-product rendering Status: Authorised Positional Accuracy: Automatically positioned to the address	A17SE (NW)	681	3	436295 568736
27	Local Authority Pollution Prevention and Controls Name: Percy A Hudson Borough Sawmills Location: Borough Sawmills, Northumberland Street, NORTH SHIELDS, Tyne and Wear, NE30 1DW Authority: North Tyneside Metropolitan Borough Council, Environmental Health Department Permit Reference: Nt00001 Dated: 29th April 1993 Process Type: Local Authority Air Pollution Control Description: PG6/2 Manufacture of timber and wood-based products Status: Site Closed Positional Accuracy: Automatically positioned to the address	A17SW (NW)	855	3	436081 568753
28	Local Authority Pollution Prevention and Controls Name: Save Service Station Location: 119-133 Tynemouth Road, NORTH SHIELDS, Tyne and Wear, NE30 1ED Authority: North Tyneside Metropolitan Borough Council, Environmental Health Department Permit Reference: NT00085 Dated: 15th January 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorisation has expired Positional Accuracy: Automatically positioned to the address	A17SW (NW)	976	3	435990 568833
	Nearest Surface Water Feature	A13NW (NW)	10	-	436754 568240
29	Pollution Incidents to Controlled Waters Property Type: Other General Premises Location: The Groyne, SOUTH SHIELDS Authority: Environment Agency, North East Region Pollutant: Oils - Other Oil Note: No Fish Killed Incident Date: 8th January 1995 Incident Reference: NT950275 Catchment Area: Lower Tyne Receiving Water: Saline Estuary Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	88	2	436700 568300
30	Pollution Incidents to Controlled Waters Property Type: Other General Premises Location: NORTH SHIELDS Authority: Environment Agency, North East Region Pollutant: Not Given Note: Tyne Estuary Incident Date: 23rd September 1994 Incident Reference: 235/002493 Catchment Area: Not Given Receiving Water: No Pollution Cause of Incident: Other Cause Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	228	2	436600 568400
31	Pollution Incidents to Controlled Waters Property Type: Ships/Boats Location: Tyne Estuary, SOUTH SHIELDS Authority: Environment Agency, North East Region Pollutant: Oils - Gas Oil Note: Pollution Found; No Fish Killed Incident Date: 6th August 1996 Incident Reference: NT960228 Catchment Area: Lower Tyne Receiving Water: Saline Estuary Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	314	2	437000 568500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	Pollution Incidents to Controlled Waters Property Type: Vessel Location: NORTH SHIELDS Authority: Environment Agency, North East Region Pollutant: Not Given Note: Tyne Estuary Incident Date: 29th July 1993 Incident Reference: 235/002018 Catchment Area: Not Given Receiving Water: Saline Estuary Cause of Incident: Oil Boat/Ship Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NE (NW)	400	2	436400 568400
33	Pollution Incidents to Controlled Waters Property Type: Other General Premises Location: River Tyne, Near Oxford Street, NORTH SHIELDS Authority: Environment Agency, North East Region Pollutant: Oils - Other Oil Note: No Fish Killed Incident Date: 9th June 1995 Incident Reference: NT950192 Catchment Area: Lower Tyne Receiving Water: Saline Estuary Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	546	2	436700 568800
34	Pollution Incidents to Controlled Waters Property Type: Vessel Location: NORTH SHIELDS Authority: Environment Agency, North East Region Pollutant: Not Given Note: Tyne Estuary Incident Date: 20th May 1993 Incident Reference: 235/001904 Catchment Area: Not Given Receiving Water: Saline Estuary Cause of Incident: Oil General Spillage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NE (W)	547	2	436200 568300
35	Pollution Incidents to Controlled Waters Property Type: Other General Premises Location: Fish Quay Festival Site Authority: Environment Agency, North East Region Pollutant: Not Given Note: River Tyne Incident Date: 22nd May 1992 Incident Reference: 235/001315 Catchment Area: Not Given Receiving Water: Saline Estuary Cause of Incident: Sewage - Other Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	572	2	436600 568800
36	Pollution Incidents to Controlled Waters Property Type: Not Given Location: West Of Collingwoods Monument, TYNEMOUTH Authority: Environment Agency, North East Region Pollutant: Not Given Note: Tyne Estuary Incident Date: 18th June 1991 Incident Reference: 235/000700 Catchment Area: Not Given Receiving Water: Saline Estuary Cause of Incident: Sewerage - Storm Overflow Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	645	2	436700 568900
37	Pollution Incidents to Controlled Waters Property Type: Industrial Premises Location: North Shields Fish Quay, NORTH SHIELDS Authority: Environment Agency, North East Region Pollutant: Not Given Note: Tyne Estuary Incident Date: 10th February 1994 Incident Reference: 235/002249 Catchment Area: Not Given Receiving Water: Saline Estuary Cause of Incident: Other Industrial Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	672	2	436100 568400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
38	Pollution Incidents to Controlled Waters Property Type: Other General Premises Location: Tyne At, NORTH SHIELDS Authority: Environment Agency, North East Region Pollutant: Oils - Diesel (Including Agricultural) Note: No Fish Killed Incident Date: 14th May 1995 Incident Reference: NT950142 Catchment Area: Lower Tyne Receiving Water: Saline Estuary Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	732	2	436000 568200
39	Pollution Incidents to Controlled Waters Property Type: Industrial Premises Location: South Shields - Plant Discharge Authority: Environment Agency, North East Region Pollutant: Not Given Note: Tyne Estuary Incident Date: 9th January 1992 Incident Reference: 235/001031 Catchment Area: Not Given Receiving Water: Saline Estuary Cause of Incident: Trade Effluent Non-Complying Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	779	2	436000 567900
40	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: NORTH SHIELDS Authority: Environment Agency, North East Region Pollutant: Not Given Note: Not Supplied Incident Date: 11th August 1993 Incident Reference: 235/002049 Catchment Area: Not Given Receiving Water: No Pollution Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	932	2	435800 568200
41	Substantiated Pollution Incident Register Authority: Environment Agency - North East Region, North East Area Incident Date: 30th January 2002 Incident Reference: 55289 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: Organic Chemicals : Solvent Based	A17SE (NW)	792	2	436171 568765
41	Substantiated Pollution Incident Register Authority: Environment Agency - North East Region, North East Area Incident Date: 12th April 2002 Incident Reference: 71137 Water Impact: Category 3 - Minor Incident Air Impact: Category 1 - Major Incident Land Impact: Category 1 - Major Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Organic Chemicals : Solvent Based	A17SE (NW)	808	2	436160 568778
	Water Abstractions Operator: John F Hunt Regeneration Limited Licence Number: Ne/023/0003/041 Permit Version: 1 Location: Dock 3 South Shields Authority: Environment Agency, North East Region Abstraction: Construction: Dust Suppression Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Tidal Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 28th July 2022 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A1SE (SW)	1858	2	435684 566573

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: >10m Superficial Recharge: Low	A13SE (NE)	0	2	436790 568163
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SE (NE)	0	2	436790 568163
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SE (NE)	0	2	436790 568163
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	0	2	436742 568188
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	0	2	436739 568190
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (W)	137	2	436606 568223
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13SE (SE)	57	2	436886 568075
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13SE (SE)	60	2	436885 568067
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13SE (SE)	147	2	436926 567978
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 49.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 2	A13SW (SW)	271	4	436576 567895
43	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 1792.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Tyne Catchment Name: Tyne Primacy: 1	A13NW (NW)	289	4	436486 568325

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A17NE (NW)	982	4	436255 569085
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A23SE (N)	983	4	437111 569193
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A23SE (N)	984	4	437104 569197
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A23SE (N)	985	4	437099 569199
48	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 11.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A17NE (NW)	997	4	436248 569098
	Water Framework Directive - Catchment Class Code: Coastal Catchment WaterBody Name: Not Supplied WaterBody ID: 8 Operational Tyne Lower and Estuary Catchment: Tyne Management Tyne Catchment: Tyne Catchment Name: Not Supplied	A13SE (NE)	0	2	436790 568163
	Water Framework Directive - Catchment Class Code: Coastal Catchment WaterBody Name: Not Supplied WaterBody ID: 364 Operational Tyne Lower and Estuary Catchment: Tyne Management Tyne Catchment: Tyne Catchment Name: Not Supplied	A14SW (E)	644	2	437448 567895
	Water Framework Directive - Groundwater Waterbody Name: Tyne Carboniferous Limestone and Coal Measures Waterbody ID: GB40302G701500 URL Address: https://environment.data.gov.uk/catchment-planning/WaterBody/GB40302G701500 Overall Rating: Poor Chemical Rating: Poor Quantitative Good Measure: 2019	A13SE (NE)	0	2	436790 568163
	Water Framework Directive - Surface Waters Class Code: Transitional Waterbody Name: Tyne Waterbody ID: GB510302310200 URL Address: Not Supplied Overall Rating: Not Assessed Chemical Rating: Not Assessed Classification Year: 2022	A13NW (NW)	7	2	436732 568194

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Framework Directive - Surface Waters Class Code: Coastal Waterbody Name: Tyne And Wear Waterbody ID: GB650301500002 URL Address: Not Supplied Overall Rating: Not Assessed Chemical Rating: Not Assessed Classification Year: 2022	A14SE (E)	730	2	437551 567942

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
49	Historical Landfill Sites Licence Holder: Not Supplied Location: The Promenade, South Shields Name: Herd Sand Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL03495 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Industrial, Commercial and Household Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4500/0274 BGS Ref: Not Supplied Other Ref: 1300/ST032, ST 28	A9NW (SE)	769	2	437446 567631
50	Historical Landfill Sites Licence Holder: North Tyneside Council - Transport and Engineering Location: Tynemouth Road, North Shields, Tyne and Wear Name: Blyth and Tyne Reclamation Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL06057 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: YO1/L/NOR026 WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: TW 343 NT NT 058	A17NE (NW)	861	2	436333 568991
51	Historical Landfill Sites Licence Holder: Not Supplied Location: Low Lights, North Tyneside Name: Northumberland Park Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL06056 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Household Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4500/0228 BGS Ref: Not Supplied Other Ref: NT 026, NT 31	A17NE (NW)	878	2	436272 568971
52	Historical Landfill Sites Licence Holder: Mowlem Northern Limited Location: Wapping Street, The Lawe, South Shield, Tyne and Wear Name: Brigham and Cowans Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL06263 First Input Date: 21st October 1986 Last Input Date: 1st December 1986 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: YO1/L/MOW001 WRC Ref: 4500/0082 BGS Ref: Not Supplied Other Ref: TW 151 ST, ST 047	A7NW (SW)	899	2	435943 567729
53	Integrated Pollution Control Registered Waste Sites Name: P And R Disposal Services Ltd Location: East Percy Street, NORTH SHIELDS, Tyne And Wear, NE30 1DT Authority: Environment Agency, North East Region Permit Reference: Bm6859 Dated: 4th January 2002 Process Type: IPC minor (non-substantial) variation to previous variation Description: 5.2 A (A) Recovery processes within the Waste Disposal Industry Status: Authorisation revoked Positional Accuracy: Manually positioned to the road within the address or location	A17SE (NW)	790	2	436147 568733

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
53	Integrated Pollution Control Registered Waste Sites Name: P And R Disposal Services Ltd Location: East Percy Street, NORTH SHIELDS, Tyne And Wear, NE30 1DT Authority: Environment Agency, North East Region Permit Reference: AO2515 Dated: 21st December 1994 Process Type: IPC minor (non-substantial) variation to previous variation Description: 5.2 A (A) Recovery processes within the Waste Disposal Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A17SE (NW)	801	2	436165 568772
53	Integrated Pollution Control Registered Waste Sites Name: P And R Disposal Services Ltd Location: East Percy Street, NORTH SHIELDS, Tyne And Wear, NE30 1DT Authority: Environment Agency, North East Region Permit Reference: BC9879 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 5.2 A (A) Recovery processes within the Waste Disposal Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A17SE (NW)	804	2	436165 568777
53	Integrated Pollution Control Registered Waste Sites Name: P And R Disposal Services Ltd Location: East Percy Street, NORTH SHIELDS, Tyne And Wear, NE30 1DT Authority: Environment Agency, North East Region Permit Reference: AG8608 Dated: 16th July 1993 Process Type: IPC new application Description: 5.2 A Recovery processes within the Waste Disposal Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A17SE (NW)	805	2	436160 568772
53	Integrated Pollution Control Registered Waste Sites Name: P And R Disposal Services Ltd Location: East Percy Street, NORTH SHIELDS, TYNE AND WEAR, NE30 1DT Authority: Environment Agency, North East Region Permit Reference: BG2035 Dated: 10th August 1999 Process Type: IPC major (substantial) variation Description: 5.2 A (A) Recovery processes within the Waste Disposal Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A17SE (NW)	808	2	436160 568777
54	Licensed Waste Management Facilities (Locations) Licence Number: 67550 Location: Fish Quay, Clifford Fort Moat, North Shields, Tyne & Wear, NE30 1JE Operator Name: NORTH TYNESIDE COUNCIL - HEAD OF ENVIRONMENT Operator Location: Not Supplied Authority: Environment Agency - North East Region, North East Area Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Surrendered Issued: 25th March 1993 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 25th March 1993 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A12NE (NW)	489	2	436300 568400
55	Licensed Waste Management Facilities (Locations) Licence Number: 0 Location: River Drive, South Shields, Tyne & Wear, NE33 1LH Operator Name: Velva Liquids (North Shields) Ltd Operator Location: River Drive, South Shields, Tyne & Wear, NE3 1LH Authority: Environment Agency - North East Region, Northumbria Area Site Category: Special Waste Transfer Stations Licence Status: Surrendered Issued: 21st July 1977 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 31st March 1994 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	595	2	436200 567900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
55	Licensed Waste Management Facilities (Locations) Licence Number: 64441 Location: River Drive, South Shields, Tyne & Wear, NE33 1LH Operator Name: EXOLUM TYNESIDE LTD Operator Location: Not Supplied Authority: Environment Agency - North East Region, North East Area Site Category: Special Waste Transfer Stations Licence Status: Surrendered Issued: 21st July 1977 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 100m	A12SE (SW)	595	2	436200 567900
56	Licensed Waste Management Facilities (Locations) Licence Number: 64117 Location: 74 Hudson Street , North Shields, Newcastle Upon Tyne, Tyne & Wear, NE30 1DL Operator Name: ROWLEY'S AUTOS LIMITED Operator Location: Not Supplied Authority: Environment Agency - North East Region, North East Area Site Category: Metal Recycling Sites (Vehicle Dismantlers) Licence Status: Expired Issued: 3rd September 2004 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	A17SW (NW)	844	2	436064 568709
56	Licensed Waste Management Facilities (Locations) Licence Number: 64117 Location: 74 Hudson Street, North Shields, Newcastle Upon Tyne, Tyne & Wear, NE30 1DL Operator Name: ROWLEY'S AUTOS LIMITED Operator Location: Not Supplied Authority: Environment Agency - North East Region, North East Area Site Category: Metal Recycling Sites (Vehicle Dismantlers) Licence Status: Issued Issued: 3rd September 2004 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	A17SW (NW)	844	2	436064 568709
57	Licensed Waste Management Facilities (Locations) Licence Number: 67555 Location: 7 Hudson Street , North Shields, Tyne & Wear, NE30 1DL Operator Name: R C BUTLER & SONS Operator Location: Not Supplied Authority: Environment Agency - North East Region, North East Area Site Category: End of Life Vehicles Licence Status: Issued Issued: 7th February 1997 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	A17SW (NW)	929	2	435985 568743
	Local Authority Landfill Coverage Name: South Tyneside Metropolitan Borough Council - Has no landfill data to supply		0	5	436790 568163
	Local Authority Landfill Coverage Name: North Tyneside Metropolitan District Council - Has supplied landfill data		219	3	436643 568433

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
58	Local Authority Recorded Landfill Sites Location: Northumberland Park Reference: Not Supplied Authority: North Tyneside Metropolitan Borough Council, Environmental Health Department Last Reported Status: Closed Types of Waste: Non-Special Date of Closure: Not Supplied Positional Accuracy: Manually positioned within the geographical locality Boundary Quality: Not Applicable	A17NE (NW)	955	3	436250 569050
59	Local Authority Recorded Landfill Sites Location: Blyth And Tyne Reclamation Reference: Not Supplied Authority: North Tyneside Metropolitan Borough Council, Environmental Health Department Last Reported Status: Closed Types of Waste: Not Supplied Date of Closure: 03/1993 Positional Accuracy: Manually positioned within the geographical locality Boundary Quality: Not Applicable	A17NE (N)	971	3	436400 569150
60	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A8SE (S)	637	-	436860 567435
61	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A7NE (SW)	733	-	436136 567714
62	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1862	A8SE (S)	624	-	436807 567445
63	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1862	A7SE (SW)	744	-	436439 567410
64	Registered Landfill Sites Licence Holder: Mowlem Northern Ltd Licence Reference: TW 151 ST Site Location: Brigham & Cowan Dry Dock Yard, South Shields, Tyne And Wear Licence Easting: 435930 Licence Northing: 567600 Operator Location: Saltmeadows Road, Easr Gateshead Industrial Estate, GATESHEAD, Tyne and Wear, NE8 3AH Authority: Environment Agency - North East Region, Northumbria Area Site Category: Landfill Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence known to be surrendered Dated: 21st October 1986 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: Tyne And Wear, Renfrew C -Rubble * Tyne And Wear, Renfrew Di -Coh.Inorg * Tyne And Wear, Renfrew Dii -Coh.Inorg * Tyne And Wear, Renfrew E -Frict.Inorg * Prohibited Waste: Waste N.O.S	A7NW (SW)	968	2	435930 567600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
65	Registered Landfill Sites Licence Holder: North Tyneside Council Licence Reference: TW 343 NT Site Location: Old Blythe Tyne Coal Depot, Tynemouth Road, North Shields, Tyne And Wear Licence Easting: 436370 Licence Northing: 569150 Operator Location: Graham House, Whitley Road, BENTON, Tyne and Wear, NE12 9TQ Authority: Environment Agency - North East Region, Northumbria Area Site Category: Landfill Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence known to be surrendered Dated: 11th March 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: Top/Subsoil, Clay Prohibited Waste: Waste N.O.S.	A17NE (NW)	984	2	436370 569150
66	Registered Waste Transfer Sites Licence Holder: North Tyneside Council Licence Reference: TW 357 NT Site Location: Fish Quay Ship Compound, Clifford Ford Moat, North Shields, Tyne And Wear Operator Location: Graham House, Whitley Road, BENTON, Tyne and Wear, NE12 9TQ Authority: Environment Agency - North East Region, Northumbria Area Site Category: Transfer Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 25th March 1993 Preceded By: TW9 29 NT Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Normal House, Com + Ind.Waste Road Sweepings Prohibited Waste: Clinical Wastes Spec.Waste (Epa'90:S62/1996 Regs) Waste N.O.S.	A12NE (NW)	556	2	436250 568450
66	Registered Waste Transfer Sites Licence Holder: North Tyneside M.B.C. Licence Reference: TW9 29 NT Site Location: Fish Quay, North Shields, Tyne And Wear Operator Location: Kent Avenue, Willington Quay, WALLSEND, Tyne and Wear, NE28 0EE Authority: Environment Agency - North East Region, Northumbria Area Site Category: Transfer Max Input Rate: Undefined Waste Source: Some restriction on source of waste Restrictions: Licence Status: Record superseded Dated: 1st July 1990 Preceded By: Not Given Licence: Superseded By: TW 357 NT Licence: Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Licenced Wastes Not To Hand Market/Fish Quay Wastes	A12NE (NW)	556	2	436250 568450

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
67	Registered Waste Transfer Sites Licence Holder: Velva Liquids Ltd Licence Reference: TW 28 ST Site Location: River Drive, SOUTH SHIELDS, Tyne and Wear, NE33 1LH Operator Location: As Site Address Authority: Environment Agency - North East Region, Northumbria Area Site Category: Transfer Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Licence Status: Licence known to be surrendered Dated: 21st June 1977 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: Liquid Wastes Environment Agency Notifiable Wastes requires prior notification before waste can be acceptedWaste requires approval Special Wastes Environment Agency Tyne And Wear G * must give specific authorisation for this waste to be acceptedWaste requires prior approval	A12SW (W)	686	2	436100 567900
68	Registered Waste Treatment or Disposal Sites Licence Holder: Rexol Ltd Licence Reference: TW 197 NT Site Location: East Mill Works, Tynemouth Road, North Shields, Tyne And Wear Operator Location: East Mill Works, Tynemouth Road, NORTH SHIELDS, Tyne and Wear, NE30 4AU Authority: Environment Agency - North East Region, Northumbria Area Site Category: Recovery - Solvent Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Site now IPC authorisedAuthorised Dated: 27th February 1990 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: Halogenated Solvents Waste Solvents	A18NW (N)	903	2	436700 569160

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
69	Registered Waste Treatment or Disposal Sites Licence Holder: R C Butler & Sons Licence Reference: TW 367 NT Site Location: Hudson Street, NORTH SHIELDS, Tyne and Wear, NE30 1DL Operator Location: As Site Address Authority: Environment Agency - North East Region, Northumbria 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 February 1997 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: Waste Motor Vehicles Prohibited Waste: Asbestos Clinical Wastes Flammable Solvents Liable To Cause Environmental Hazards Medical (Misuse Of Drugs Act '71) Percussive/Explosive/Similar Waste Poisonous, Noxious, Polluting Wastes Special Wastes Sub'S Control. Radioactive Subs Act'60 Transf/Capacs Known/Assumed Pcb's/Pcts Waste N.O.S.	A17SW (NW)	948	2	436000 568800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Pennine Middle Coal Measures Formation And South Wales Middle Coal Measures Formation (Undifferentiated)	A13SE (NE)	0	1	436790 568163
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SE (NE)	0	1	436790 568163
	BGS Estimated Soil Chemistry 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 - 200 mg/kg Nickel: no data Concentration:	A13SW (SW)	27	1	436716 568124
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: 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:	A13SE (S)	68	1	436790 568000
	BGS Estimated Soil Chemistry 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)	367	1	437191 568000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A12NE (NW)	377	1	436442 568437
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A18SE (NE)	565	1	437085 568747

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 30 - 45 mg/kg Concentration:	A12NE (W)	633	1	436132 568372
	BGS Estimated Soil Chemistry 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:	A12SW (W)	660	1	436093 568000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (E)	678	1	437500 567951
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A9SW (S)	867	1	437133 567273
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A3NW (S)	976	1	436627 567105
70	BGS Recorded Mineral Sites Site Name: South Shields Brick And Tile Works Location: South Shields, Tyne And Wear Source: British Geological Survey, National Geoscience Information Service Reference: 95987 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Till, Devensian Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A8SW (S)	778	1	436589 567316

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
71	BGS Recorded Mineral Sites Site Name: St Stephen'S Brick Works Location: South Shields, Tyne And Wear Source: British Geological Survey, National Geoscience Information Service Reference: 99016 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Till, Devensian Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	790	1	436093 567675
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas 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.	A13SE (NE)	0	6	436790 568163
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SE (NE)	0	-	436790 568163
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	436790 568163
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	18	1	436729 568237
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	436790 568163
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	436790 568163
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	436790 568163
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	159	1	436610 568048
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	436749 568101
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	436790 568163
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	18	1	436729 568237
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	154	1	436610 568048
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	436790 568163
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	154	1	436610 568048

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	175	1	437003 568209
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	226	1	436729 568480
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	436790 568163
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	1	436800 568163
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	436790 568163
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	1	436800 568163

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
72	Contemporary Trade Directory Entries Name: Atex Inspections Ltd Location: 62, Lawe Road, South Shields, Tyne and Wear, NE33 2AL Classification: Engineering Services Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	222	-	436664 567883
73	Contemporary Trade Directory Entries Name: Four Seasons Location: 36, Trajan Avenue, South Shields, Tyne and Wear, NE33 2AN Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (SW)	319	-	436628 567791
74	Contemporary Trade Directory Entries Name: Uk Docks Marine Services Location: River Drive, South Shields, NE33 1LH Classification: Ship Builders, Repairs & Fittings Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	328	-	436413 568091
74	Contemporary Trade Directory Entries Name: Uk Docks Marine Services North Location: TYNE SLIPWAY AND ENGINEERING CO LTD AND HARRY WILSON ASSOCIATES, RIVER DRIVE, SOUTH SHIELDS, NE33 1LH Classification: Boatbuilders & Repairers Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (W)	334	-	436401 568119
74	Contemporary Trade Directory Entries Name: Tyne Slipway & Engineering Co Ltd Location: River Drive, South Shields, Tyne and Wear, NE33 1LH Classification: Boatbuilders & Repairers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	354	-	436382 568110
75	Contemporary Trade Directory Entries Name: Able Handyman & Decorating Services Location: 25, Trajan Street, South Shields, NE33 2AW Classification: Glass Fibre Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (SW)	352	-	436573 567788
76	Contemporary Trade Directory Entries Name: Plant Services (Gh) Ltd Location: River Drive, South Shields, Tyne and Wear, NE33 1LH Classification: Furniture Manufacturers - Home & Office Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	368	-	436382 568053
76	Contemporary Trade Directory Entries Name: Prestige Seating Technology Location: River Drive, South Shields, NE33 1LH Classification: Seating Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (W)	373	-	436378 568048
77	Contemporary Trade Directory Entries Name: Susan Hawes Design Location: 26, Lawe Road, South Shields, Tyne and Wear, NE33 2EX Classification: Wallpapers & Wall Coverings Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	436	-	436848 567636
78	Contemporary Trade Directory Entries Name: Saft Location: River Drive, South Shields, NE33 2TR Classification: Battery Manufacturers & Supplies Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	460	-	436290 568037
78	Contemporary Trade Directory Entries Name: Saft Location: River Drive, South Shields, NE33 2TR Classification: Battery Manufacturers & Supplies Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	460	-	436290 568037

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
79	Contemporary Trade Directory Entries Name: Aeirtec Ltd Location: SUITE 1, THE SMOKEHOUSES, 7-8, CLIFFORDS FORT, NORTH SHIELDS, NE30 1JE Classification: Laboratories Status: Active Positional Accuracy: Automatically positioned to the address	A17SE (NW)	532	-	436338 568558
80	Contemporary Trade Directory Entries Name: Succorfish Location: Suite 1, The Barracks Building, 10, Cliffords Fort, North Shields, NE30 1JE Classification: Marine Electrical Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	533	-	436308 568512
80	Contemporary Trade Directory Entries Name: North Shields Fish Quay Co Location: Market Office, Fish Quay, North Shields, Tyne And Wear, NE30 1JA Classification: Ports, Docks & Harbours Status: Active Positional Accuracy: Manually positioned within the geographical locality	A12NE (NW)	540	-	436288 568489
81	Contemporary Trade Directory Entries Name: Soapsuds Location: 147-151, Coston Drive, South Shields, Tyne and Wear, NE33 2DU Classification: Laundries & Launderettes Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (S)	558	-	436593 567545
82	Contemporary Trade Directory Entries Name: Digital Art Works Ltd Location: Suite 3, Vita House, Fish Quay, North Shields, Tyne and Wear, NE30 1JA Classification: Printers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	565	-	436273 568516
82	Contemporary Trade Directory Entries Name: W J Hunter & Co Ltd Location: Union Rd, North Shields, Tyne & Wear, NE30 1HR Classification: Engineers - General Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A17SE (NW)	589	-	436262 568546
83	Contemporary Trade Directory Entries Name: Jadnet Designs Location: 26, Roman Road, South Shields, Tyne and Wear, NE33 2HA Classification: T-Shirts Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (S)	570	-	436783 567498
84	Contemporary Trade Directory Entries Name: A N D Group Plc Location: Tanners Bank, NORTH SHIELDS, Tyne and Wear, NE30 1JH Classification: Marine Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	602	-	436390 568715
84	Contemporary Trade Directory Entries Name: A N D & Group Location: Tanners Bank, North Shields, Tyne and Wear, NE30 1JH Classification: Marine Electrical & Electronic Equipment Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	602	-	436390 568715
84	Contemporary Trade Directory Entries Name: Satcom Global Location: Tanners Bank, North Shields, NE30 1JH Classification: Marine Engineering Equipment Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A17SE (NW)	606	-	436390 568720
84	Contemporary Trade Directory Entries Name: North Eastern Composites Ltd Location: Tanners Bank, NORTH SHIELDS, Tyne and Wear, NE30 1JH Classification: Glass Fibre Moulding, Materials & Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	627	-	436354 568717

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
85	Contemporary Trade Directory Entries Name: Tyne Tyres Auto Centre Ltd Location: Tanners Bank, North Shields, Tyne and Wear, NE30 1JH Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A17SE (NW)	662	-	436314 568728
85	Contemporary Trade Directory Entries Name: Tyne Tyres Ltd Location: 31, Tanners Bank, North Shields, Tyne and Wear, NE30 1JH Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	681	-	436295 568736
85	Contemporary Trade Directory Entries Name: Ovington Boats Location: 31, TANNERS BANK, NORTH SHIELDS, NE30 1JH Classification: Boatbuilders & Repairers Status: Active Positional Accuracy: Automatically positioned to the address	A17SE (NW)	683	-	436294 568738
85	Contemporary Trade Directory Entries Name: North East Grinding Ltd Location: Unit 1 The Old Maltings, Tanners Bank, North Shields, Tyne And Wear, NE30 1JH Classification: Tool Sharpening, Repairing & Servicing Status: Active Positional Accuracy: Automatically positioned to the address	A17SE (NW)	690	-	436319 568770
86	Contemporary Trade Directory Entries Name: Screen Hire Solutions Location: The Dunes, Sea Road, South Shields, NE33 2LD Classification: Projection Screens - Mfrs & Suppliers Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	670	-	437324 567638
87	Contemporary Trade Directory Entries Name: Woodwrights Location: 41 Bell St, North Shields, Tyne & Wear, NE30 1HF Classification: Furniture - Repairing & Restoring Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A12NW (W)	692	-	436060 568338
88	Contemporary Trade Directory Entries Name: Northeast Engineering & Supply Co Ltd Location: Wapping St, South Shields, Tyne & Wear, NE33 1LQ Classification: Marine Engineers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A12SW (W)	734	-	436046 567907
88	Contemporary Trade Directory Entries Name: Can'T Stop Won'T Stop Cleaning Services Location: Wapping St, South Shields, Tyne And Wear, NE33 1LQ Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A12SW (W)	780	-	436003 567889
89	Contemporary Trade Directory Entries Name: Flagg Court Dental Practice Location: FLAGG COURT, SOUTH SHIELDS, NE33 2LS Classification: Hospitals Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	751	-	436687 567324
90	Contemporary Trade Directory Entries Name: Revita Cleaning Systems Location: 21, Dockwray Square, North Shields, NE30 1JZ Classification: Carpet, Curtain & Upholstery Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	769	-	436039 568503
91	Contemporary Trade Directory Entries Name: M B Circuits Location: 1, Tanners Bank, NORTH SHIELDS, Tyne and Wear, NE30 1JH Classification: Printed Circuit Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	774	-	436318 568877

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
92	Contemporary Trade Directory Entries Name: The New Printhouse Location: 5, Prospect Terrace, North Shields, Tyne and Wear, NE30 1DX Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	789	-	436186 568779
92	Contemporary Trade Directory Entries Name: Distillex Ltd Location: East Percy Street, North Shields, Tyne and Wear, NE30 1DT Classification: Chemicals & Allied Products Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	808	-	436160 568777
93	Contemporary Trade Directory Entries Name: Re-Vita Location: 16, Tyne Street, NORTH SHIELDS, Tyne and Wear, NE30 1NF Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	790	-	435971 568383
93	Contemporary Trade Directory Entries Name: Clean Location: 16, Tyne Street, North Shields, Tyne and Wear, NE30 1NF Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	790	-	435971 568383
93	Contemporary Trade Directory Entries Name: Revita Location: 16, Tyne Street, North Shields, Tyne and Wear, NE30 1NF Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	790	-	435971 568383
94	Contemporary Trade Directory Entries Name: North East Marine Ltd Location: 77, Hudson Street, NORTH SHIELDS, Tyne and Wear, NE30 1DL Classification: Marine Engineering Equipment Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	791	-	436097 568663
94	Contemporary Trade Directory Entries Name: Hudson Street Metals Location: 78, Hudson Street, North Shields, Tyne and Wear, NE30 1DL Classification: Scrap Metal Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	791	-	436097 568663
94	Contemporary Trade Directory Entries Name: Armtec Engineering Location: 75-77, HUDSON STREET, NORTH SHIELDS, NE30 1DL Classification: Rubber & Plastic Products - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	803	-	436095 568682
95	Contemporary Trade Directory Entries Name: B D S Motorcycles Ltd Location: 3 Northumberland Street, North Shields, Tyne And Wear, NE30 1DS Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A17SE (NW)	792	-	436129 568712
96	Contemporary Trade Directory Entries Name: Larrys Fishcakes Location: 3-4, Prospect Terrace, North Shields, Tyne and Wear, NE30 1DX Classification: Food Products - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A17SE (NW)	817	-	436170 568803
96	Contemporary Trade Directory Entries Name: Beefy Truck Flaps Location: Unit 7, Prospect Terrace Industrial Estate, Prospect Terrace, North Shields, NE30 1DX Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A17SE (NW)	822	-	436186 568826

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
96	Contemporary Trade Directory Entries Name: A & L Motors Location: 9, Prospect Terrace, North Shields, Tyne and Wear, NE30 1DX Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	825	-	436189 568834
96	Contemporary Trade Directory Entries Name: Fw Contracts Location: 8, Prospect Terrace, North Shields, Tyne and Wear, NE30 1DX Classification: Coating Specialists Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	837	-	436182 568843
96	Contemporary Trade Directory Entries Name: Stratton Valves & Engineering Location: North Shields, NE30 1DX Classification: Valve Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	844	-	436153 568823
97	Contemporary Trade Directory Entries Name: Craft Yourself Silly Location: NORTHUMBERLAND STREET, NORTH SHIELDS, NE30 1DS Classification: Textile Manufacturing Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	825	-	436102 568731
97	Contemporary Trade Directory Entries Name: The Yard Makers Location: 4 Northumberland Street, North Shields, Tyne And Wear, NE30 1DS Classification: Reclamation Centres Status: Active Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	834	-	436095 568738
97	Contemporary Trade Directory Entries Name: Rowley Auto Dismantlers Location: 73-74, Hudson Street, North Shields, NE30 1DL Classification: Car Breakdown & Recovery Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	842	-	436060 568700
97	Contemporary Trade Directory Entries Name: M B Food Uk Ltd Location: 3 Northumberland St, North Shields, Tyne & Wear, NE30 1DS Classification: Food Products - Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A17SW (NW)	842	-	436082 568733
97	Contemporary Trade Directory Entries Name: D & G Motors Location: 11, Northumberland Street, North Shields, Tyne and Wear, NE30 1DS Classification: Mot Testing Centres Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	850	-	436069 568728
97	Contemporary Trade Directory Entries Name: River Tyne Autos Location: 11, Northumberland Street, North Shields, Tyne and Wear, NE30 1DS Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	850	-	436069 568728
97	Contemporary Trade Directory Entries Name: Bill Mcfarlane Location: 12-13, Northumberland Street, NORTH SHIELDS, Tyne and Wear, NE30 1DS Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	850	-	436069 568728
97	Contemporary Trade Directory Entries Name: Forest Design & Print Ltd Location: Unit 5-6, 68, Hudson Street, North Shields, Tyne and Wear, NE30 1DL Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	859	-	436056 568724
97	Contemporary Trade Directory Entries Name: R T Cairns Location: Unit 4,68 Hudson St, North Shields, Tyne & Wear, NE30 1DL Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	860	-	436064 568738

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
97	Contemporary Trade Directory Entries Name: Tyne Plastics Ltd Location: 68 Hudson Street, North Shields, Tyne And Wear, NE30 1DL Classification: PVC-U Products - Manufacturers & Suppliers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	864	-	436062 568743
97	Contemporary Trade Directory Entries Name: Taylor Jackson Services Ltd Location: Unit 8, 68, Hudson Street, North Shields, Tyne and Wear, NE30 1DL Classification: Refrigeration Equipment - Commercial Status: Inactive Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	865	-	436062 568743
97	Contemporary Trade Directory Entries Name: Alan Carr Jaguar Services Location: UNIT 8, KILTECH INDUSTRIAL UNITS, 66, HUDSON STREET, NORTH SHIELDS, NE30 1DL Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	867	-	436041 568716
97	Contemporary Trade Directory Entries Name: Bluebird Project Location: Unit 1 Hudson Street Units, 68 Hudson Street, North Shields, Tyne And Wear, NE30 1DL Classification: Boatbuilders & Repairers Status: Active Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	875	-	436053 568749
97	Contemporary Trade Directory Entries Name: Steve Douthwaite Location: Unit 9, Kiltech Industrial Units, 66, Hudson Street, North Shields, NE30 1DL Classification: Sailmakers & Repairers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	888	-	436035 568745
98	Contemporary Trade Directory Entries Name: North East Maritime Trust Location: 2, Wapping Street, SOUTH SHIELDS, Tyne and Wear, NE33 1LQ Classification: Boatbuilders & Repairers Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	838	-	435965 567830
98	Contemporary Trade Directory Entries Name: Funky Chunky Furniture Location: 1, Wapping Street, South Shields, Tyne and Wear, NE33 1LQ Classification: Furniture Manufacturers - Home & Office Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	838	-	435965 567830
98	Contemporary Trade Directory Entries Name: Sealane Inshore Ltd Location: Wapping Street, South Shields, Tyne and Wear, NE33 1LQ Classification: Marine Engineering Equipment Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (SW)	876	-	435943 567786
99	Contemporary Trade Directory Entries Name: Cosalt Kenmore Location: 1, Liddell Street, North Shields, NE30 1HE Classification: Marine Equipment & Supplies Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	841	-	435893 568236
99	Contemporary Trade Directory Entries Name: Coselt Kenmore Location: 1, Liddell Street, North Shields, Tyne and Wear, NE30 1HE Classification: Firefighting Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	861	-	435872 568224
100	Contemporary Trade Directory Entries Name: Domestic Appliance Repairs Location: 29, Seaview Terrace, South Shields, NE33 2NW Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	844	-	437043 567264

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
100	Contemporary Trade Directory Entries Name: Domestic Appliance Repairs Location: 29, Seaview Terrace, SOUTH SHIELDS, Tyne and Wear, NE33 2NW Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	845	-	437042 567263
101	Contemporary Trade Directory Entries Name: C K Property Services Location: Moorgate House, 5, Mile End Road, South Shields, NE33 1TA Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	860	-	436374 567314
101	Contemporary Trade Directory Entries Name: C K Cleaning Uk Location: Moorgate House, 5, Mile End Road, South Shields, NE33 1TA Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	860	-	436374 567314
102	Contemporary Trade Directory Entries Name: Northumbria Mirrors Location: 28, Tynemouth Road, North Shields, Tyne and Wear, NE30 4AA Classification: Mirrors & Decorative Glass Status: Inactive Positional Accuracy: Manually positioned to the address or location	A17NE (NW)	873	-	436295 568982
102	Contemporary Trade Directory Entries Name: Interkool Refrigeration & Air Conditioning Ltd Location: 28, Tynemouth Road, NORTH SHIELDS, Tyne and Wear, NE30 4AA Classification: Refrigeration Equipment - Commercial Status: Active Positional Accuracy: Automatically positioned to the address	A17NE (NW)	873	-	436295 568982
103	Contemporary Trade Directory Entries Name: Supasnaps Location: 2, Denmark Centre, South Shields, Tyne and Wear, NE33 2LR Classification: Photographic Processors Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	875	-	436450 567261
103	Contemporary Trade Directory Entries Name: Homefair Blinds Uk Ltd Location: 4, Fowler Street, South Shields, Tyne and Wear, NE33 1NF Classification: Blinds, Awnings & Canopies Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (S)	898	-	436417 567249
104	Contemporary Trade Directory Entries Name: Admiral Service Ltd Location: 1, Admiral House, Oxford Street, Cullercoats Tynemouth, North Shields, Tyne and Wear, NE30 4PR Classification: Catering Equipment - Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	875	-	436685 569130
105	Contemporary Trade Directory Entries Name: Hastie Burton Joinery Location: 25, Kettlewell Terrace, North Shields, Tyne and Wear, NE30 1BU Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	891	-	435931 568559
106	Contemporary Trade Directory Entries Name: Johnson Cleaners (Uk) Ltd Location: 17, Denmark Centre, South Shields, Tyne and Wear, NE33 2LR Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	912	-	436487 567207
107	Contemporary Trade Directory Entries Name: Klick Photopoint Location: 24, King Street, South Shields, Tyne and Wear, NE33 1HT Classification: Photographic Processors Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	917	-	436346 567264

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
107	Contemporary Trade Directory Entries Name: Klick Location: 24, King Street, South Shields, Tyne and Wear, NE33 1HT Classification: Photographic Processors Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	917	-	436346 567264
107	Contemporary Trade Directory Entries Name: Eclipse Technology Uk Ltd Location: 27, Smithy Street, South Shields, Tyne and Wear, NE33 1BT Classification: Computer Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	941	-	436364 567228
108	Contemporary Trade Directory Entries Name: Tom Swan Location: 103, Tynemouth Road, North Shields, Tyne and Wear, NE30 1ED Classification: Builders' Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NW (NW)	926	-	436108 568895
109	Contemporary Trade Directory Entries Name: Kwik Fit - Tynemouth Location: 5-7, Tynemouth Road, North Shields, NE30 4AY Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A23SE (N)	938	-	436805 569200
110	Contemporary Trade Directory Entries Name: Butlers E L V C Location: 7, Hudson Street, North Shields, Tyne and Wear, NE30 1DL Classification: Scrap Metal Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	943	-	436001 568793
110	Contemporary Trade Directory Entries Name: Tyne Proofing Location: 7, Hudson Street, North Shields, Tyne and Wear, NE30 1DL Classification: Damp & Dry Rot Control Status: Inactive Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	943	-	436001 568793
110	Contemporary Trade Directory Entries Name: Save Service Station Location: 119-123, Tynemouth Road, North Shields, Tyne and Wear, NE30 1ED Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	976	-	435990 568833
110	Contemporary Trade Directory Entries Name: Dene Park Motor Co Location: 119-123, Tynemouth Road, North Shields, Tyne and Wear, NE30 1ED Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	976	-	435990 568833
110	Contemporary Trade Directory Entries Name: Argon Motor Company Location: 133 Tynemouth Road, North Shields, Tyne And Wear, NE30 1ED Classification: Car Dealers - Used Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	982	-	435980 568830
110	Contemporary Trade Directory Entries Name: Auto Care Services Location: 131, Tynemouth Road, North Shields, NE30 1ED Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	985	-	435972 568825
110	Contemporary Trade Directory Entries Name: Af Cars Location: 131, Tynemouth Road, NORTH SHIELDS, Tyne and Wear, NE30 1ED Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	988	-	435965 568821
110	Contemporary Trade Directory Entries Name: Affordable Family Car Ltd Location: 133, Tynemouth Road, North Shields, Tyne and Wear, NE30 1ED Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	988	-	435965 568821

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
111	Contemporary Trade Directory Entries Name: The Jewellery Repair Centre Location: 44, Fowler Street, South Shields, Tyne and Wear, NE33 1PG Classification: Jewellery Manufacturers & Repairers Status: Inactive Positional Accuracy: Automatically positioned to the address	A3NW (S)	975	-	436477 567143
111	Contemporary Trade Directory Entries Name: Klick Location: 50, Fowler Street, South Shields, Tyne and Wear, NE33 1PG Classification: Photographic Processors Status: Inactive Positional Accuracy: Automatically positioned to the address	A3NW (S)	985	-	436483 567131
112	Contemporary Trade Directory Entries Name: Decorflair Location: 39-41, King Street, South Shields, Tyne and Wear, NE33 1DA Classification: Wallpapers & Wall Coverings Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	977	-	436312 567214
113	Contemporary Trade Directory Entries Name: L A Autos Location: South Shields, NE33 2QU Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A3NE (S)	985	-	436821 567084
114	Contemporary Trade Directory Entries Name: Crawford Reid Engineers Location: 28, Reed Street, North Shields, Tyne and Wear, NE30 1DD Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	986	-	435909 568728
115	Fuel Station Entries Name: Tynemouth Service Station Location: 4, Tynemouth Road , , North Shields, Tyne And Wear, NE30 4AA Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Manually positioned to the address or location	A23SE (N)	940	-	436803 569202
116	Fuel Station Entries Name: Save North Shields Location: 119-133, Tynemouth Road , , North Shields, Tyne And Wear, NE30 1ED Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A17SW (NW)	976	-	435990 568833
117	Points of Interest - Commercial Services Name: Rickhew Ltd Location: 78 Greens Place, South Shields, NE33 2AQ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A12SE (W)	370	7	436397 568009
118	Points of Interest - Commercial Services Name: Tyne Tyres Ltd Location: Tanners Bank, North Shields, NE30 1JH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SE (NW)	662	7	436314 568728
118	Points of Interest - Commercial Services Name: Tyne Tyres Location: Tanners Bank, North Shields, NE30 1JH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SE (NW)	662	7	436314 568728
119	Points of Interest - Commercial Services Name: M H Autoservice Ltd Location: 154 Ocean Road, South Shields, NE33 2JF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SE (S)	665	7	436797 567403

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
120	Points of Interest - Commercial Services Name: Rodman & Russell Fabrication & Engineering Ltd Location: 3 Union Road, North Shields, NE30 1HR Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A12NE (NW)	674	7	436126 568464
121	Points of Interest - Commercial Services Name: B D S Motorcycles Ltd Location: 3 Northumberland Street, North Shields, NE30 1DS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SE (NW)	792	7	436129 568712
121	Points of Interest - Commercial Services Name: Rowley Auto Dismantlers Location: 73-74 Hudson Street, North Shields, NE30 1DL Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A17SW (NW)	842	7	436060 568700
121	Points of Interest - Commercial Services Name: D & G Motors Location: 11 Northumberland Street, North Shields, NE30 1DS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	844	7	436073 568724
121	Points of Interest - Commercial Services Name: D & G Motors Location: 11 Northumberland Street, North Shields, NE30 1DS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	850	7	436069 568728
121	Points of Interest - Commercial Services Name: Bill McFarlane Location: 12-13 Northumberland Street, North Shields, NE30 1DS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	850	7	436069 568728
121	Points of Interest - Commercial Services Name: B McFarlane Location: 12-13 Northumberland Street, North Shields, NE30 1DS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	850	7	436069 568728
121	Points of Interest - Commercial Services Name: Bill McFarlane Motor Repairs Location: 12-13 Northumberland Street, North Shields, NE30 1DS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	851	7	436069 568729
121	Points of Interest - Commercial Services Name: Jaguar Services Location: Unit 8 68, Hudson Street, North Shields, NE30 1DL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	864	7	436062 568743
121	Points of Interest - Commercial Services Name: Alan Carr Jaguar Services Location: Unit 8 Kiltech Industrial Units 66, Hudson Street, North Shields, NE30 1DL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	867	7	436041 568716
122	Points of Interest - Commercial Services Name: Beefy Flaps Location: 7 Prospect Terrace, North Shields, NE30 1DX Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SE (NW)	822	7	436186 568826
123	Points of Interest - Commercial Services Name: Port of Tyne Location: Neville House, Bell Street, North Shields, NE30 1LJ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A12NW (W)	840	7	435894 568232

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
124	Points of Interest - Commercial Services Name: Alkron Export Services Ltd Location: 1 Stephenson Street, North Shields, NE30 1ES Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A12NW (W)	874	7	435873 568330
125	Points of Interest - Commercial Services Name: Kwik-Fit (GB) Limited Location: 5 Tynemouth Road, North Shields, NE30 4AY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A23SE (N)	938	7	436805 569200
125	Points of Interest - Commercial Services Name: Kwik-Fit (GB) Limited Location: 5-7 Tynemouth Road, North Shields, NE30 4AY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A23SE (N)	940	7	436804 569203
126	Points of Interest - Commercial Services Name: Butlers E L V C Location: 7 Hudson Street, North Shields, NE30 1DL Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A17SW (NW)	943	7	436001 568793
126	Points of Interest - Commercial Services Name: Auto Care Services Location: 129-133 Tynemouth Road, North Shields, NE30 1ED Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	982	7	435980 568830
126	Points of Interest - Commercial Services Name: Autocare Services Location: 133 Tynemouth Road, North Shields, NE30 1ED Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	988	7	435965 568821
127	Points of Interest - Education and Health Name: Edinburgh Buildings Location: Edinburgh Buildings 2, Station Approach, South Shields, NE33 1HR Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A7SE (SW)	917	7	436346 567264
128	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	378	7	436365 568074
128	Points of Interest - Manufacturing and Production Name: Works Location: NE33 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	379	7	436365 568073
129	Points of Interest - Manufacturing and Production Name: Factory Location: NE33 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A12SE (W)	478	7	436273 568033
129	Points of Interest - Manufacturing and Production Name: Factory Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	485	7	436267 568029
129	Points of Interest - Manufacturing and Production Name: Factory Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	514	7	436248 567995

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
130	Points of Interest - Manufacturing and Production Name: Works Location: NE30 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	574	7	436352 568641
130	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	575	7	436352 568642
130	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	607	7	436316 568651
130	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	629	7	436355 568721
130	Points of Interest - Manufacturing and Production Name: Works Location: NE30 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	629	7	436355 568720
131	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	777	7	436318 568881
131	Points of Interest - Manufacturing and Production Name: Works Location: NE30 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	777	7	436318 568880
132	Points of Interest - Manufacturing and Production Name: Factory Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	792	7	436129 568712
132	Points of Interest - Manufacturing and Production Name: Factory Location: NE30 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A17SE (NW)	794	7	436125 568710
133	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	795	7	436066 568617
133	Points of Interest - Manufacturing and Production Name: Works Location: NE30 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	795	7	436066 568616
134	Points of Interest - Manufacturing and Production Name: Industrial Estate Location: NE30 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	827	7	436193 568840

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
135	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	828	7	435971 567840
135	Points of Interest - Manufacturing and Production Name: Works Location: NE33 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	830	7	435970 567839
136	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	888	7	436035 568746
136	Points of Interest - Manufacturing and Production Name: Works Location: NE30 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	889	7	436032 568742
137	Points of Interest - Manufacturing and Production Name: Pier Works Location: NE30 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A24SW (N)	993	7	437157 569187
138	Points of Interest - Public Infrastructure Name: Sewage Pumping Station Location: NE33 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	47	7	436723 568070
139	Points of Interest - Public Infrastructure Name: Sewage Pumping Station Location: NE33 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A13SW (W)	122	7	436610 568154
140	Points of Interest - Public Infrastructure Name: Outfall Location: NE33 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A13SE (SE)	196	7	437025 568043
140	Points of Interest - Public Infrastructure Name: Outfall Location: NE33 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A13SE (SE)	201	7	437031 568045
141	Points of Interest - Public Infrastructure Name: Outfall Location: NE30 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	479	7	436422 568577
141	Points of Interest - Public Infrastructure Name: Sewage Pumping Station Location: NE30 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	482	7	436379 568529
141	Points of Interest - Public Infrastructure Name: Sewage Pumping Station Location: NE30 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	568	7	436384 568664

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
142	Points of Interest - Public Infrastructure Name: Outfall Location: NE33 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	491	7	436250 568072
142	Points of Interest - Public Infrastructure Name: Outfall Location: NE33 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	496	7	436245 568071
143	Points of Interest - Public Infrastructure Name: Outfall Location: NE30 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	626	7	436942 568871
143	Points of Interest - Public Infrastructure Name: Outfall Location: NE30 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	626	7	436938 568872
144	Points of Interest - Public Infrastructure Name: Burial Ground Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A12SE (SW)	651	7	436144 567888
144	Points of Interest - Public Infrastructure Name: Burial Ground Location: NE33 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A12SE (SW)	651	7	436144 567887
145	Points of Interest - Public Infrastructure Name: Bus Depot Location: NE33 Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	706	7	436155 567736
146	Points of Interest - Public Infrastructure Name: Bus Depot Location: NE30 Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	801	7	436124 568721
147	Points of Interest - Public Infrastructure Name: Tynemouth Junction Location: NE30 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	819	7	436467 569013
148	Points of Interest - Public Infrastructure Name: Bus Station Location: NE33 Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to address or location	A7SE (SW)	959	7	436374 567202
148	Points of Interest - Public Infrastructure Name: Bus Station Location: NE33 Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to an adjacent address or location	A2NE (S)	995	7	436418 567144
149	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13SW (S)	188	7	436761 567882

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
149	Points of Interest - Recreational and Environmental Name: Playground Location: Lawe Road, NE33 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A13SW (S)	188	7	436758 567882
150	Points of Interest - Recreational and Environmental Name: Play Area Location: NE33 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	400	7	436905 567686
151	Points of Interest - Recreational and Environmental Name: Play Area Location: NE33 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	827	7	437281 567397
152	Points of Interest - Recreational and Environmental Name: Play Area Location: NE33 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	858	7	436709 567213
153	Points of Interest - Recreational and Environmental Name: Skatepark Location: NE33 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	884	7	437533 567554
154	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	915	7	436239 568994
154	Points of Interest - Recreational and Environmental Name: Playground Location: Tynemouth Road, NE30 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	919	7	436231 568993
154	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	938	7	436262 569037
154	Points of Interest - Recreational and Environmental Name: Playground Location: Nr Tynemouth Road, NE30 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A17NE (NW)	945	7	436265 569048

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
155	Ramsar Sites Name: Northumbria Coast Multiple Areas: Y Total Area (m2): 10598524.97 Source: Natural England Reference: UK11049 Designation Date: Not Supplied	A9NW (SE)	525	8	437277 567815
156	Sites of Special Scientific Interest Name: Northumberland Shore Multiple Areas: Y Total Area (m2): 18836840.71 Source: Natural England Reference: 2000134 Designation Details: Local Nature Reserve Designation Date: 11th December 1992 Date Type: Notified Designation Details: Special Area Of Conservation Designation Date: 11th December 1992 Date Type: Notified Designation Details: Special Protection Area Designation Date: 11th December 1992 Date Type: Notified Designation Details: Site Of Special Scientific Interest Designation Date: 11th December 1992 Date Type: Notified Designation Details: Water Framework Directive (WFD) Designation Date: 11th December 1992 Date Type: Notified	A13NW (NW)	362	8	436501 568490
157	Sites of Special Scientific Interest Name: Durham Coast Multiple Areas: Y Total Area (m2): 5098128.33 Source: Natural England Reference: 1000255 Designation Details: Geological Conservation Review Designation Date: 27th May 1999 Date Type: Notified Designation Details: Local Wildlife Site Designation Date: 27th May 1999 Date Type: Notified Designation Details: Nature Conservation Review Designation Date: 27th May 1999 Date Type: Notified Designation Details: National Nature Reserve Designation Date: 27th May 1999 Date Type: Notified Designation Details: Ramsar Site Designation Date: 27th May 1999 Date Type: Notified Designation Details: Special Area Of Conservation Designation Date: 27th May 1999 Date Type: Notified Designation Details: Special Protection Area Designation Date: 27th May 1999 Date Type: Notified Designation Details: Site Of Special Scientific Interest Designation Date: 27th May 1999 Date Type: Notified Designation Details: Water Framework Directive (WFD) Designation Date: 27th May 1999 Date Type: Notified	A9NW (SE)	525	8	437277 567815
158	Special Protection Areas Name: Northumbria Coast Multiple Areas: Y Total Area (m2): 10972556.52 Source: Natural England Reference: UK9006131 Designation Date: Not Supplied	A9NW (SE)	525	8	437277 567815
159	World Heritage Sites Name: Frontiers of the Roman Empire (Hadrian's Wall) Reference: 1000098 Area(m²): 449252794.96 Source: Historic England Designation Date: 1st January 1987	A13SW (SW)	174	9	436593 568037

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
160	World Heritage Sites Name: Frontiers of the Roman Empire (Hadrian's Wall) Reference: 1000098 Area(m²): 16929262.46 Source: Historic England Designation Date: 1st January 1987	A13SW (SW)	240	9	436549 567983

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices South Tyneside Metropolitan Borough Council - Neighbourhood Services Environment Agency - Head Office North Tyneside Metropolitan Borough Council - Environmental Health Department	December 2025 November 2023 October 2025	Annual Rolling Update Annually Annual Rolling Update
Discharge Consents Environment Agency - North East Region	July 2025	Quarterly
Enforcement and Prohibition Notices Environment Agency - North East Region	March 2013	
Integrated Pollution Controls Environment Agency - North East Region	January 2009	
Integrated Pollution Prevention And Control Environment Agency - North East Region	April 2025	Bi-Annually
Local Authority Integrated Pollution Prevention And Control North Tyneside Metropolitan Borough Council - Environmental Health Department South Tyneside Metropolitan Borough Council - Environmental Health Department	April 2014 March 2024	Variable Variable
Local Authority Pollution Prevention and Controls North Tyneside Metropolitan Borough Council - Environmental Health Department South Tyneside Metropolitan Borough Council - Environmental Health Department	April 2014 March 2024	Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements North Tyneside Metropolitan Borough Council - Environmental Health Department South Tyneside Metropolitan Borough Council - Environmental Health Department	April 2014 March 2024	Variable Variable
Nearest Surface Water Feature Ordnance Survey	November 2025	
Pollution Incidents to Controlled Waters Environment Agency - North East Region	December 1998	
Historical Prosecutions Environment Agency, North East Region	March 2013	Not Applicable
Prosecutions Environment Agency - Head Office	February 2024	Annually
Registered Radioactive Substances Environment Agency - Head Office Environment Agency - North East Region	May 2023 May 2023	
Substantiated Pollution Incident Register Environment Agency - North East Region - North East Area Environment Agency - North East Region - Northumbria Area	July 2025 July 2025	Quarterly Quarterly
Water Abstractions Environment Agency - North East Region	July 2025	Quarterly
Water Industry Act Referrals Environment Agency - North East Region	October 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	As notified
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	As notified
Source Protection Zones Environment Agency - Head Office	August 2025	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	As notified

Agency & Hydrological	Version	Update Cycle
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	As notified
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2023	
Flood Water Storage Areas Environment Agency - Head Office	June 2025	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	
OS Water Network Lines Ordnance Survey	October 2025	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified
Water Framework Directive - Catchment Environment Agency - Head Office	July 2025	Annually
Water Framework Directive - Groundwater Environment Agency - Head Office	July 2025	Annually
Water Framework Directive - Surface Waters Environment Agency - Head Office	July 2025	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	April 2025	Bi-Annually
Integrated Pollution Control Registered Waste Sites Environment Agency - North East Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North East Region - North East Area Environment Agency - North East Region - Northumbria Area	November 2025 November 2025	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North East Region - North East Area Environment Agency - North East Region - Northumbria Area	April 2025 April 2025	Bi-Annually Bi-Annually
Local Authority Landfill Coverage North Tyneside Metropolitan Borough Council - Environmental Health Department South Tyneside Metropolitan Borough Council - Planning Department	February 2003 February 2003	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites North Tyneside Metropolitan Borough Council - Environmental Health Department South Tyneside Metropolitan Borough Council - Planning Department	October 2018 October 2018	
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	
Registered Landfill Sites Environment Agency - North East Region - North East Area Environment Agency - North East Region - Northumbria Area	March 2006 March 2006	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - North East Region - North East Area Environment Agency - North East Region - Northumbria Area	April 2018 April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - North East Region - North East Area Environment Agency - North East Region - Northumbria Area	June 2015 June 2015	
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	June 2025	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements North Tyneside Metropolitan Borough Council - Development Function South Tyneside Metropolitan Borough Council - Planning Department	July 2023 June 2023	Variable Variable
Planning Hazardous Substance Consents North Tyneside Metropolitan Borough Council - Development Function South Tyneside Metropolitan Borough Council - Planning Department	August 2022 February 2016	Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	April 2025	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	November 2025	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	November 2025	Annually
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	December 2025	Quarterly
Fuel Station Entries Green Street Advisor (UK) Ltd	November 2025	Quarterly
Points of Interest - Commercial Services PointX	December 2025	Quarterly
Points of Interest - Education and Health PointX	December 2025	Quarterly
Points of Interest - Manufacturing and Production PointX	December 2025	Quarterly
Points of Interest - Public Infrastructure PointX	December 2025	Quarterly
Points of Interest - Recreational and Environmental PointX	December 2025	Quarterly
Underground Electrical Cables National Grid	January 2024	

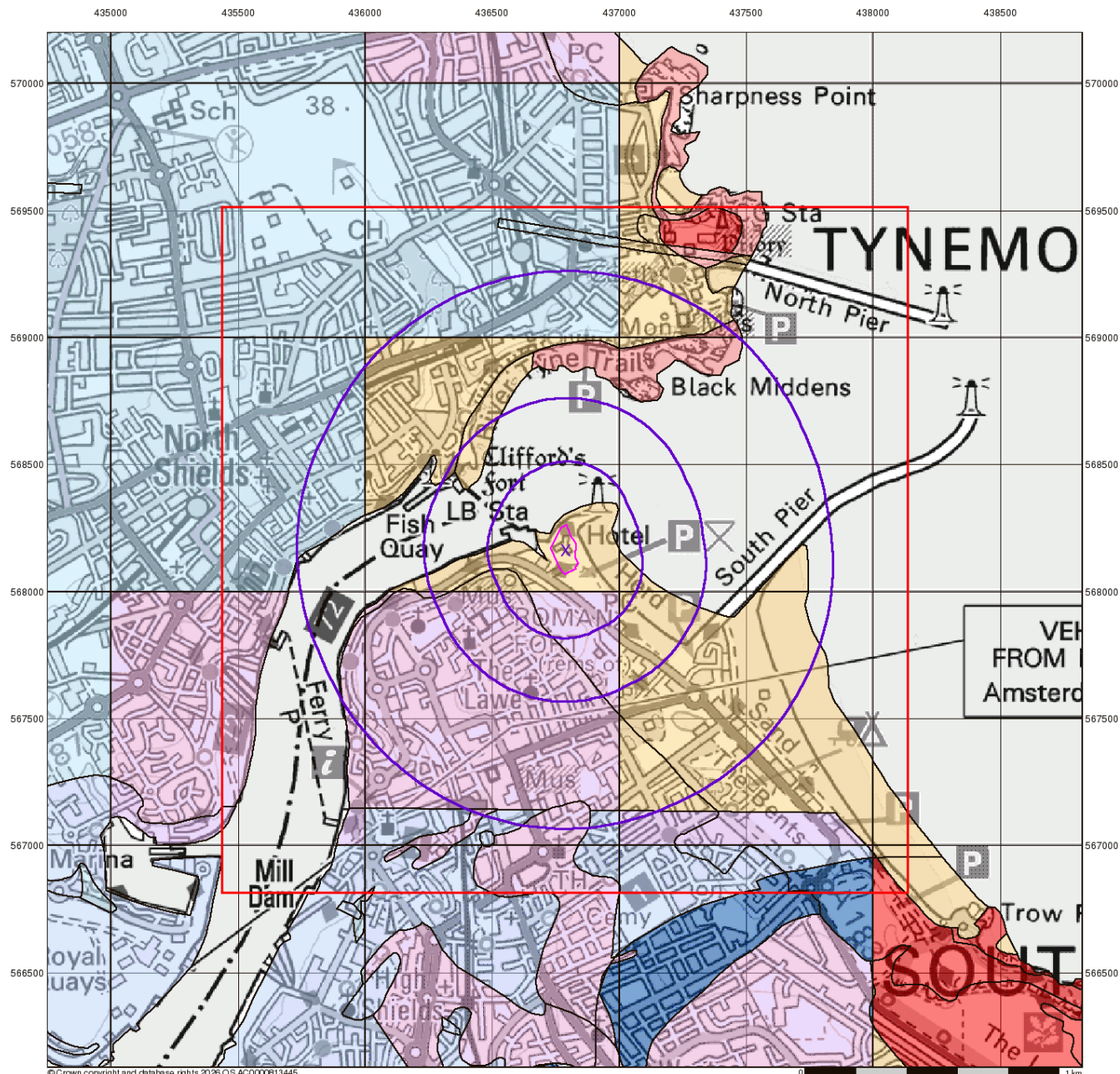
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	September 2025	Bi-Annually
Areas of Adopted Green Belt North Tyneside Metropolitan Borough Council South Tyneside Metropolitan Borough Council - Planning Department	July 2025 July 2025	Quarterly Quarterly
Areas of Unadopted Green Belt North Tyneside Metropolitan Borough Council South Tyneside Metropolitan Borough Council - Planning Department	July 2025 July 2025	Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural England	November 2025	Bi-Annually
Environmentally Sensitive Areas Natural England	August 2023	
Forest Parks Forestry Commission	May 2023	Not Applicable
Local Nature Reserves Natural England	August 2025	Bi-Annually
Marine Nature Reserves Natural England	August 2025	Bi-Annually
National Nature Reserves Natural England	January 2026	Bi-Annually
National Parks Natural England	September 2025	Annually
Nitrate Sensitive Areas Natural England	April 2023	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 November 2025	Annually
Ramsar Sites Natural England	August 2025	Bi-Annually
Sites of Special Scientific Interest Natural England	November 2025	Bi-Annually
Special Areas of Conservation Natural England	July 2025	Bi-Annually
Special Protection Areas Natural England	November 2025	Bi-Annually
World Heritage Sites Historic England	October 2025	Bi-Annually

A selection of organisations who provide data within this report

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

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	North Tyneside Metropolitan Borough Council - Environmental Health Department D1 Quadrant 1L, Quadrant East, Silverlink North,, Cobalt Business Park, North Tyneside, North Shields, NE27 0BY	Telephone: 0345 2000 101 Email: contact.us@northtyneside.gov.uk Website: www.northtyneside.gov.uk
4	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.co.uk
5	South Tyneside Metropolitan Borough Council - Planning Department Town Hall & Civic Offices, Westoe Road, South Shields, Tyne & Wear, NE33 2RL	Telephone: 0191 427 1717 Fax: 0191 427 7171 Website: www.s-tyneside-mbc.gov.uk
6	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
7	PointX 5-6 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
8	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
9	Historic England 1 Waterhouse Square, 138 - 142 Holborn, London, EC1N 2ST	Telephone: 0370 333 0607 Email: customers@historicengland.org.uk Website: www.historicengland.org.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Landmark Information Group, Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0330 036 6618 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk

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



Groundwater Vulnerability

General

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

Agency and Hydrological

Bedrock Aquifers

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

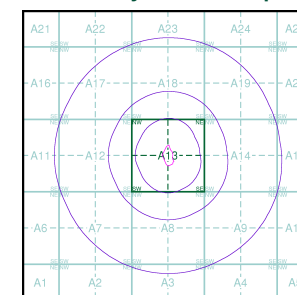
Superficial Aquifers

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

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice A



Order Details

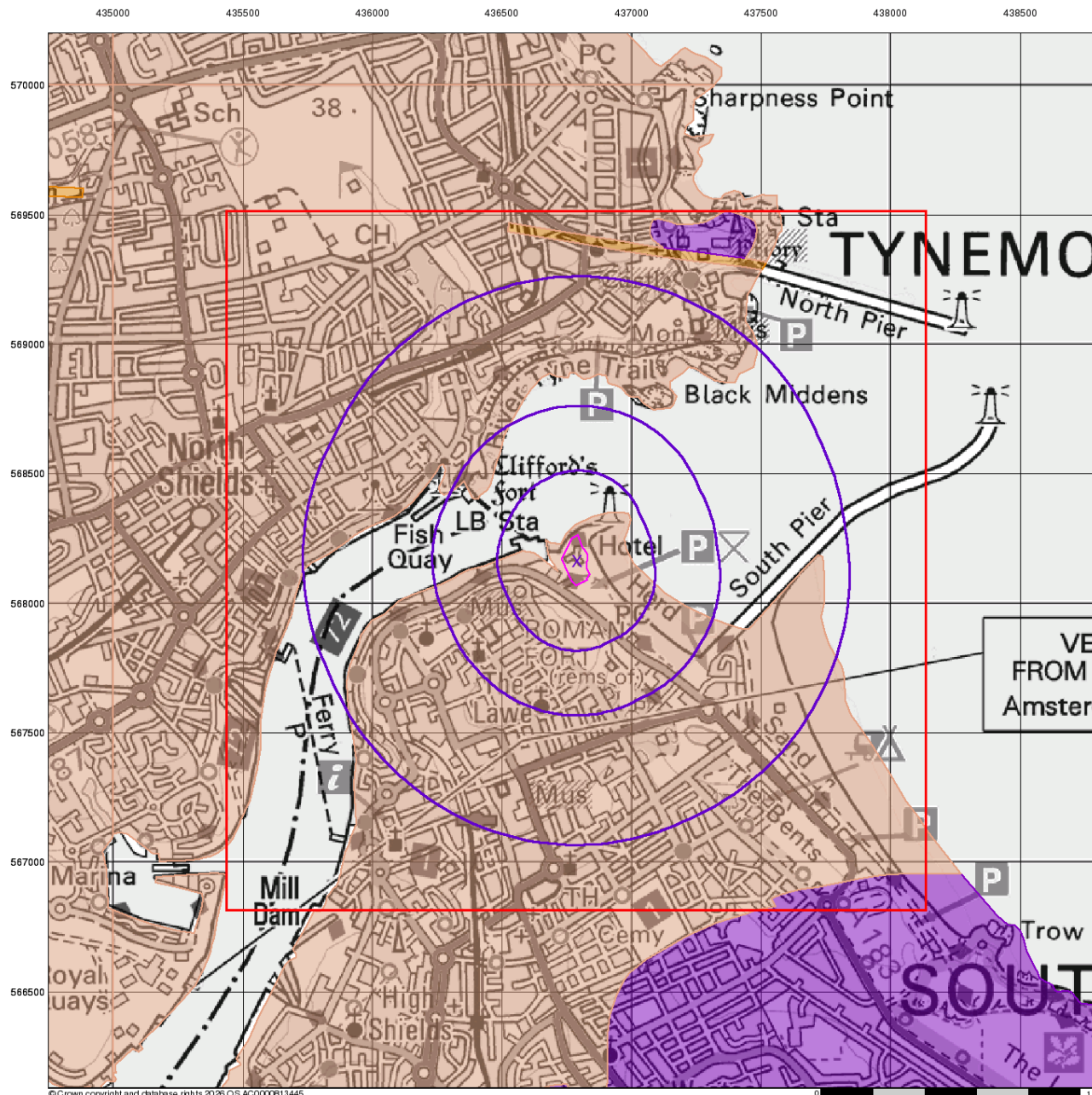
Order Number: 393499865_1_1
 Customer Ref: 25-810
 National Grid Reference: 436790, 568160
 Slice: A
 Site Area (Ha): 1.28
 Search Buffer (m): 1000

Site Details

Little Haven Hotel, River Drive, South Shields, NE33 1LH

Landmark
 INFORMATION GROUP

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Bedrock Aquifer Designation

General

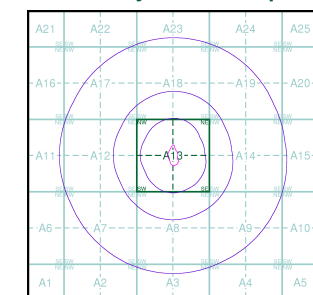
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

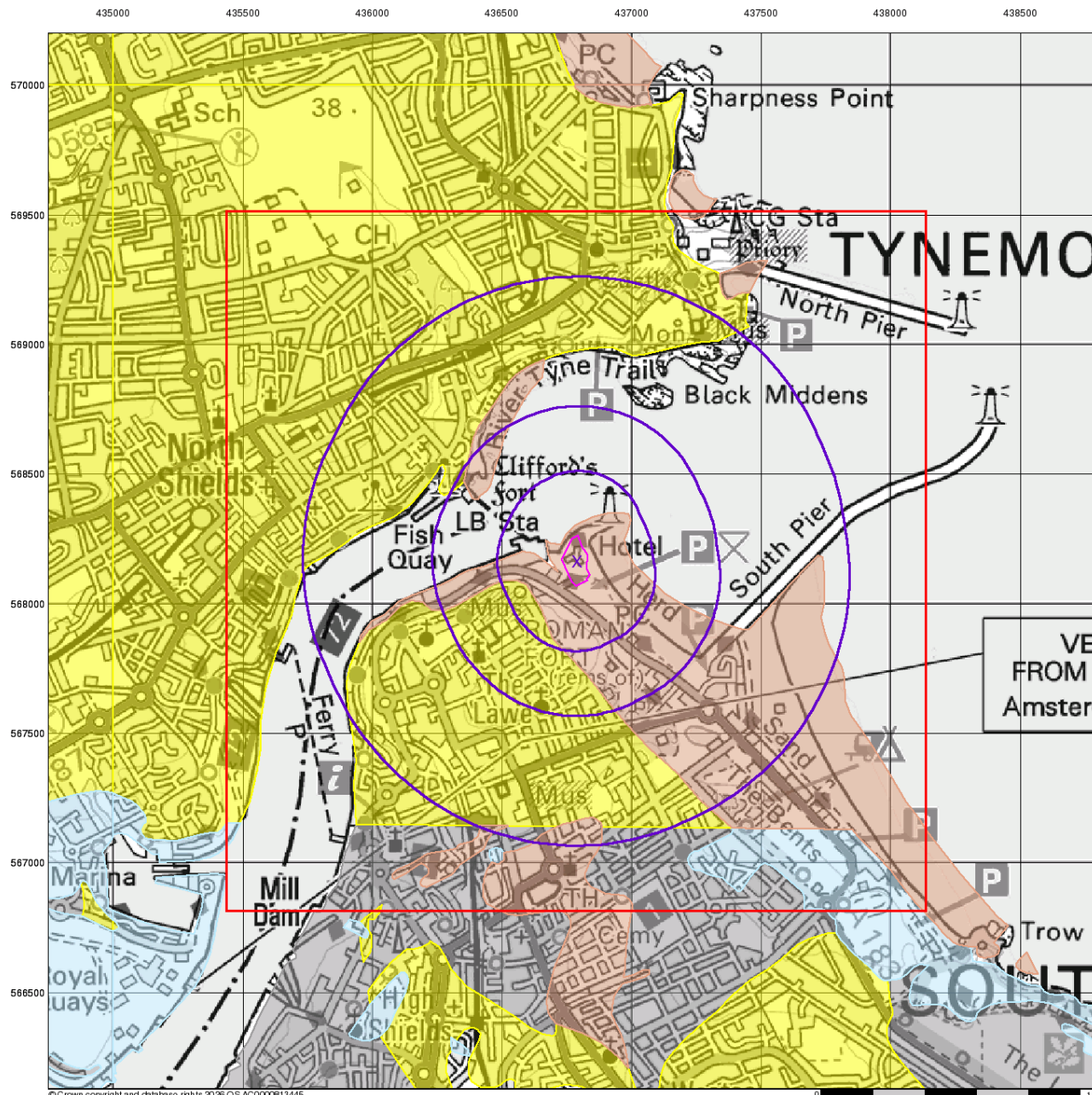
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 Site Area (Ha): 1.28
 Search Buffer (m): 1000

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Superficial Aquifer Designation

General

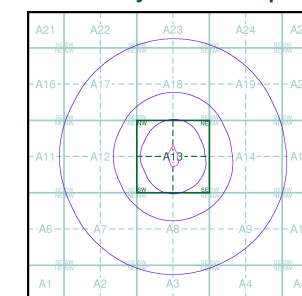
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

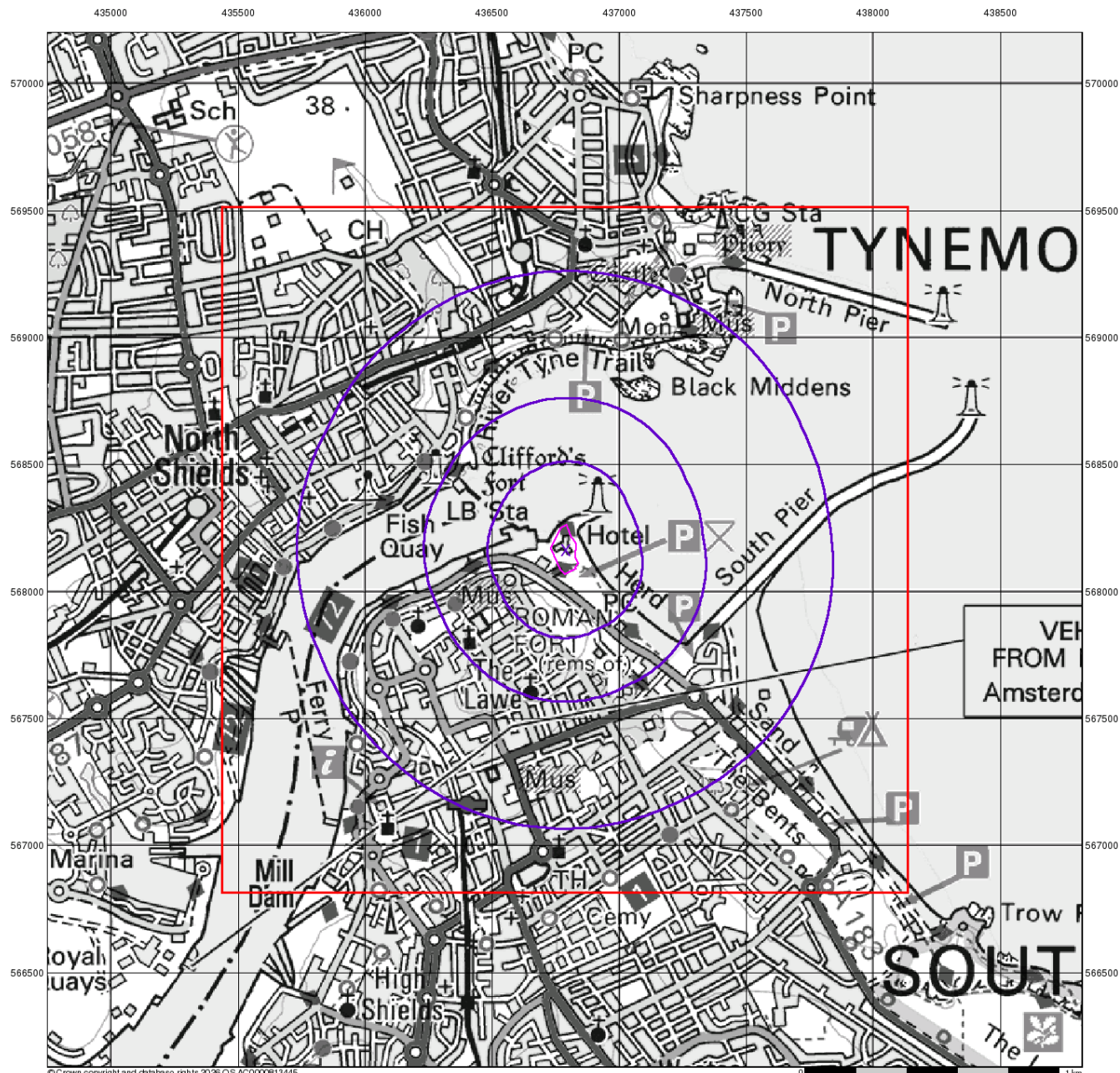
Order Number: 393499865_1_1
 Customer Ref: 25-810
 National Grid Reference: 436790, 568160
 Slice: A
 Site Area (Ha): 1.28
 Search Buffer (m): 1000

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Source Protection Zones

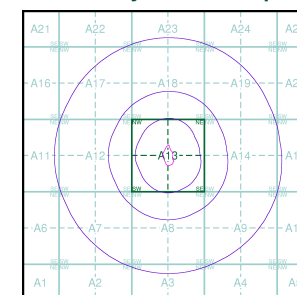
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



Order Details

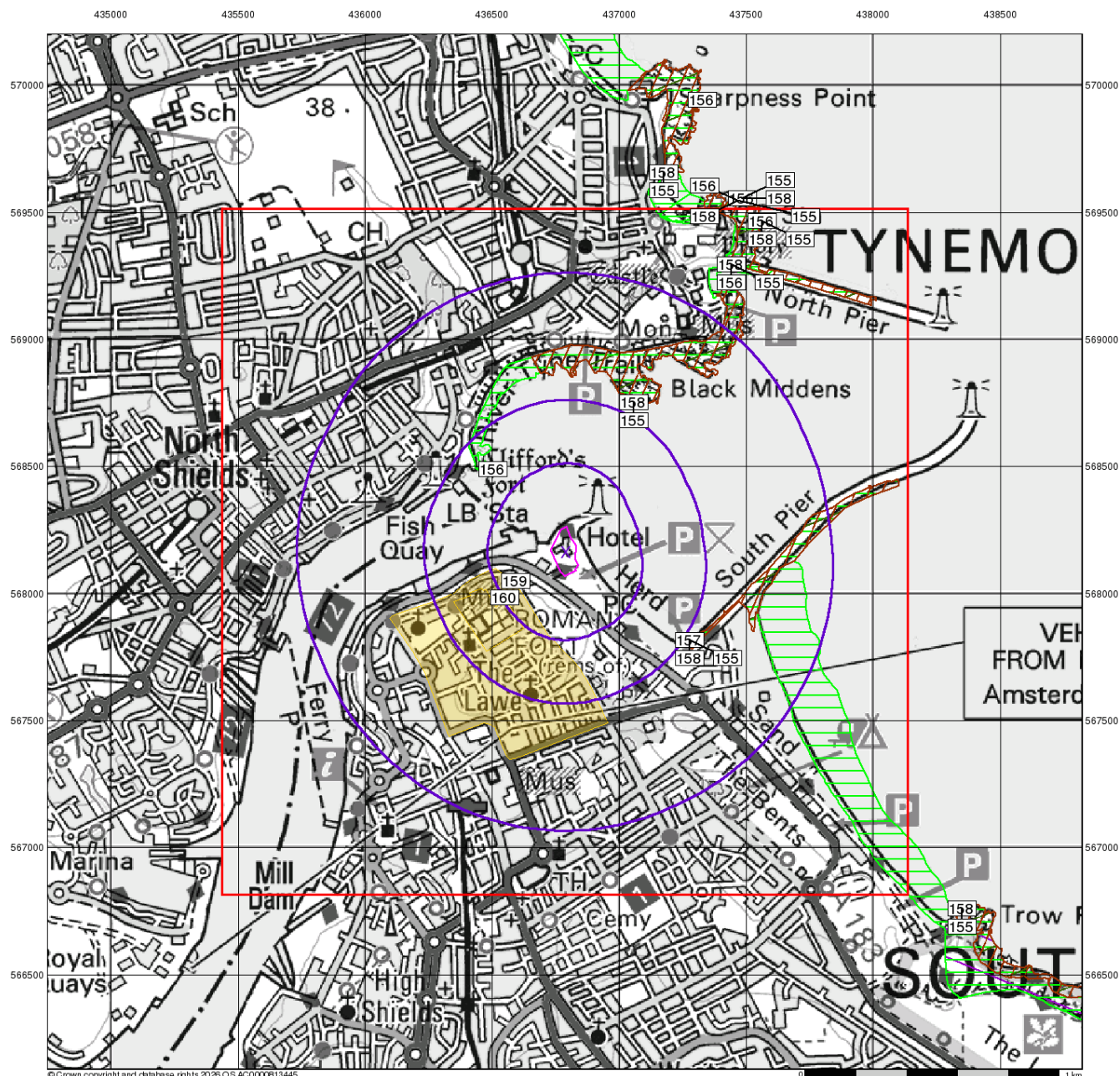
Order Number: 393499865_1_1
 Customer Ref: 25-810
 National Grid Reference: 436790, 568160
 Slice: A
 Site Area (Ha): 1.28
 Search Buffer (m): 1000

Site Details

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Sensitive Land Uses

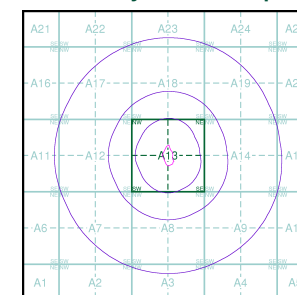
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



Order Details

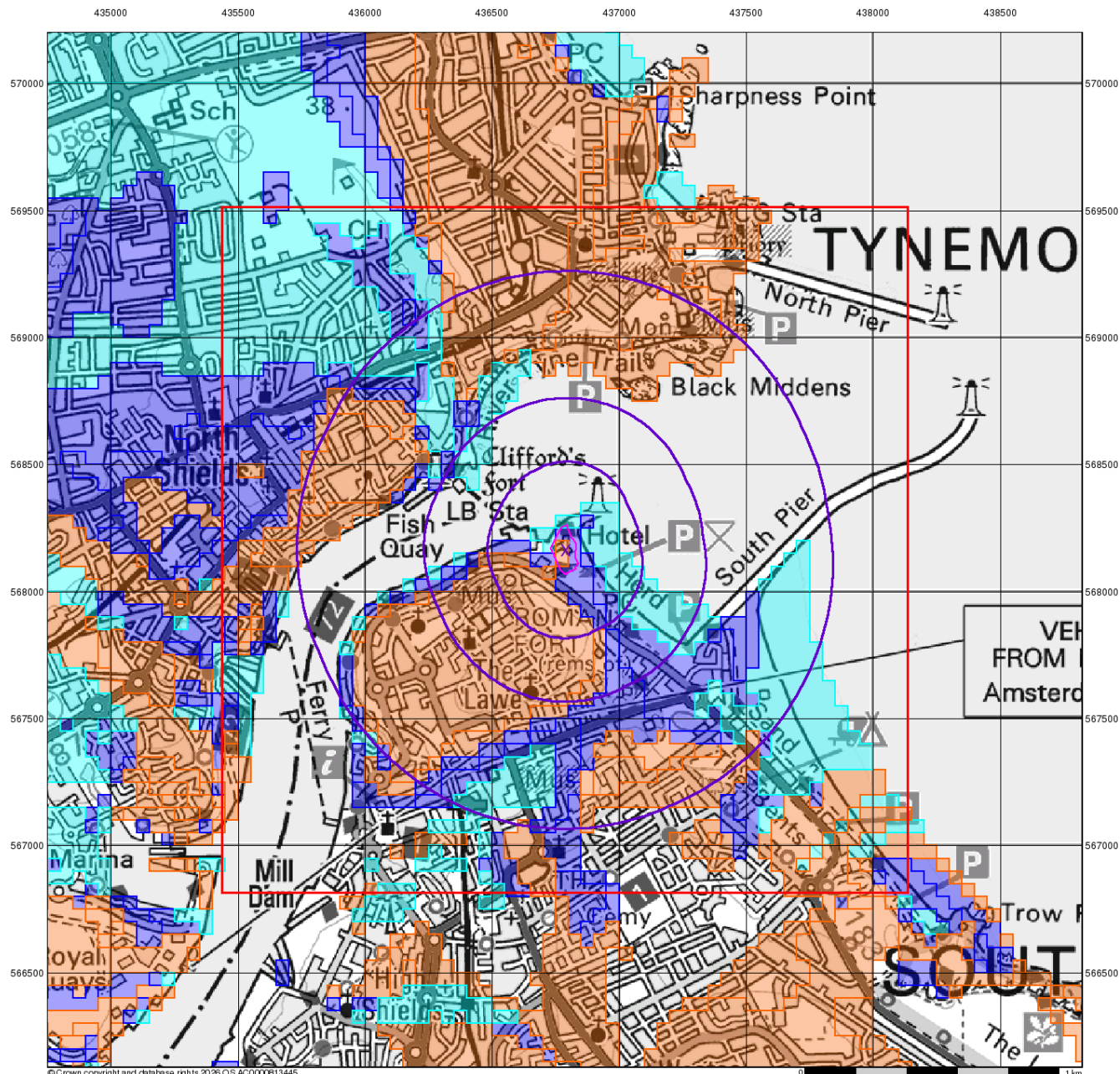
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Site Details

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BGS Flood GFS Data

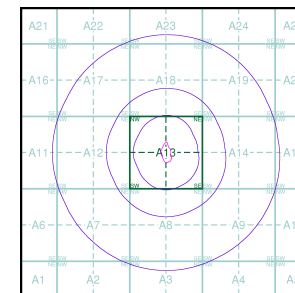
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice A



Order Details

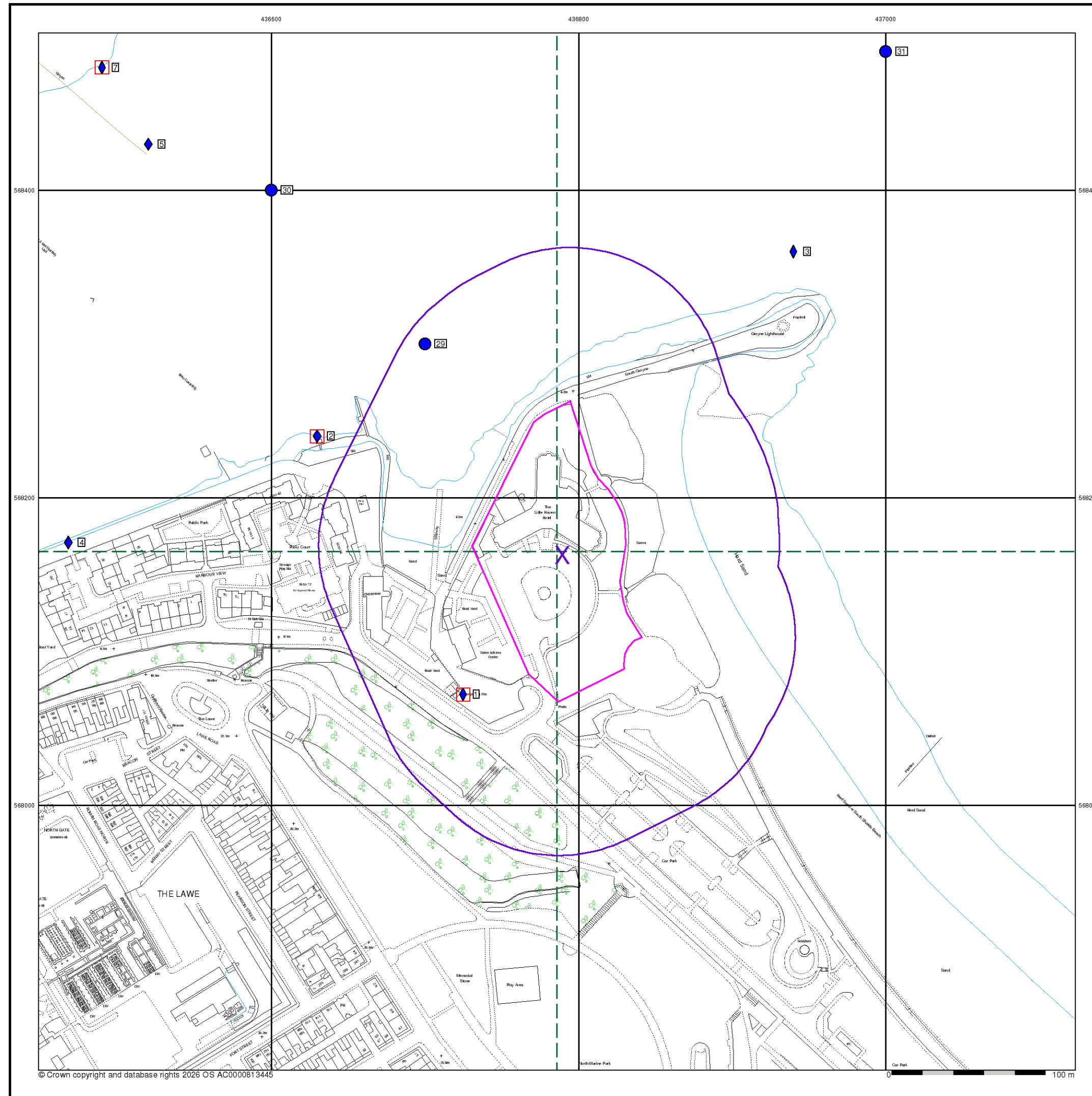
Order Number: 393499865_1_1
 Customer Ref: 25-810
 National Grid Reference: 436790, 568160
 Slice: A
 Site Area (Ha): 1.28
 Search Buffer (m): 1000

Site Details

Little Haven Hotel, River Drive, South Shields, NE33 1LH



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



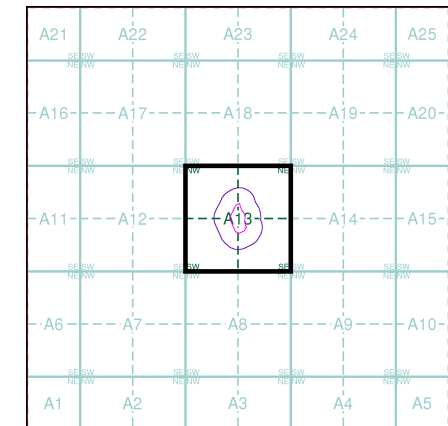
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General

- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Types at Location
 - Pylon
 - Overhead Transmission Line
- ### Agency and Hydrological
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Historical Prosecutions
 - Prosecutions
 - Registered Radioactive Substance
 - River Network or Water Feature
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- ### Waste
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Landfill Boundary)
 - Licensed Waste Management Facility (Location)
 - Local Authority Recorded Landfill Site (Location)
 - Local Authority Recorded Landfill Site
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Registered Landfill Site
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site
- ### Hazardous Substances
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- ### Geological
- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A13



Order Details

Order Number: 393499865_1_1
Customer Ref: 25-810
National Grid Reference: 436790, 568160
Slice: A
Site Area (Ha): 1.28
Plot Buffer (m): 100

Site Details

Little Haven Hotel, River Drive, South Shields, NE33 1LH



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Fax: 0844 844 9951
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General

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

Agency and Hydrological

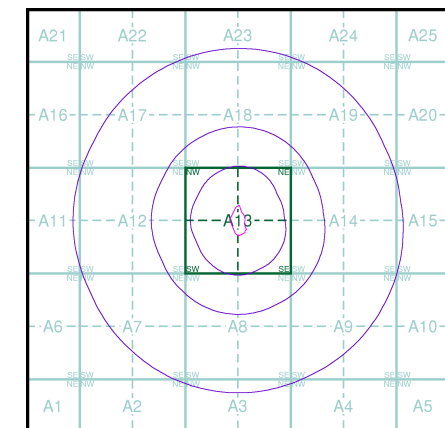
- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Historical Prosecutions
- Prosecutions
- Registered Radioactive Substance
- River Network or Water Feature
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral
- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Registered Landfill Site
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement
- BGS Recorded Mineral Site

Geological

Site Sensitivity Map - Slice A



Order Details

Order Number: 393499865_1_1
Customer Ref: 25-810
National Grid Reference: 436790, 568160
Slice: A
Site Area (Ha): 1.28
Search Buffer (m): 1000

Site Details

Little Haven Hotel, River Drive, South Shields, NE33 1LH



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Web: www.envirocheck.co.uk



Industrial Land Use Map

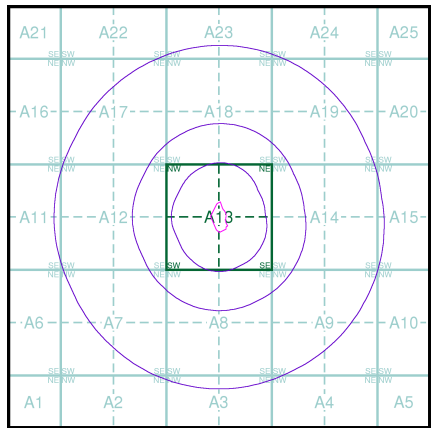
General

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

Industrial Land Use

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

Industrial Land Use Map - Slice A



Order Details

Order Number: 393499865_1_1
Customer Ref: 25-810
National Grid Reference: 436790, 568160
Slice: A
Site Area (Ha): 1.28
Search Buffer (m): 1000

Site Details

Little Haven Hotel, River Drive, South Shields, NE33 1LH

Landmark
INFORMATION GROUP

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



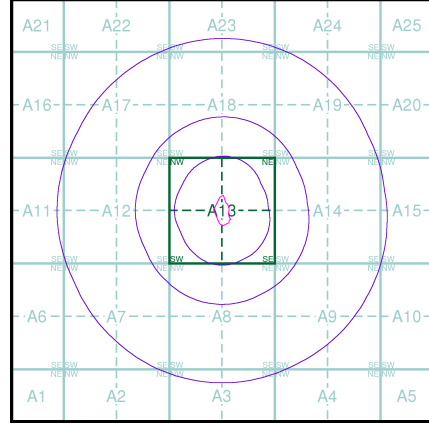
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A



Order Details

Order Number: 393499865_1_1
Customer Ref: 25-810
National Grid Reference: 436790, 568160
Slice: A
Site Area (Ha): 1.28
Search Buffer (m): 1000

Site Details

Little Haven Hotel, River Drive, South Shields, NE33 1LH



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



General

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

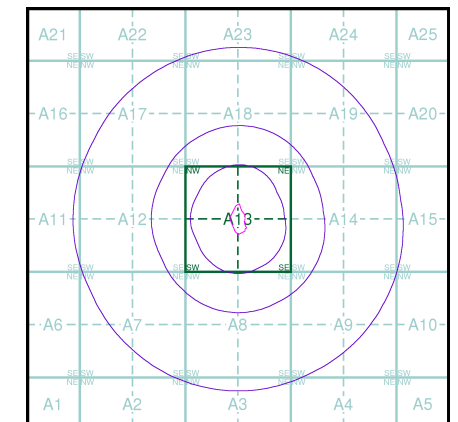
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A



Order Details

Order Number: 393499865_1_1
Customer Ref: 25-810
National Grid Reference: 436790, 568160
Slice: A
Site Area (Ha): 1.28
Search Buffer (m): 1000

Site Details

Little Haven Hotel, River Drive, South Shields, NE33 1LH

Landmark
INFORMATION GROUP

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



General

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

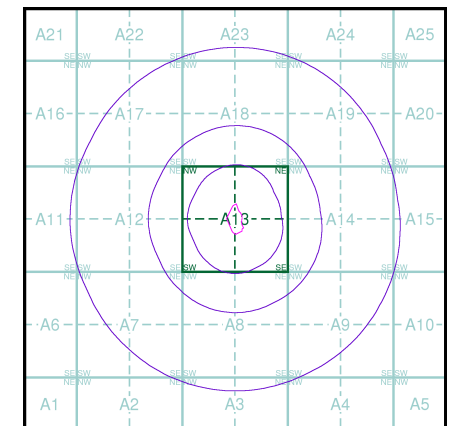
OS Water Network Data

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

Contours (height in meters)

- Standard Contour 105 100 95
- Master Contour
- Spot Height 167.3
- MLW Mean Low Water
- MHW Mean High Water

OS Water Network Map - Slice A



Order Details

Order Number: 393499865_1_1
Customer Ref: 25-810
National Grid Reference: 436790, 568160
Slice: A
Site Area (Ha): 1.28
Search Buffer (m): 1000

Site Details

Little Haven Hotel, River Drive, South Shields, NE33 1LH

Landmark
INFORMATION GROUP

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



General

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

Risk of Flooding from Surface Water

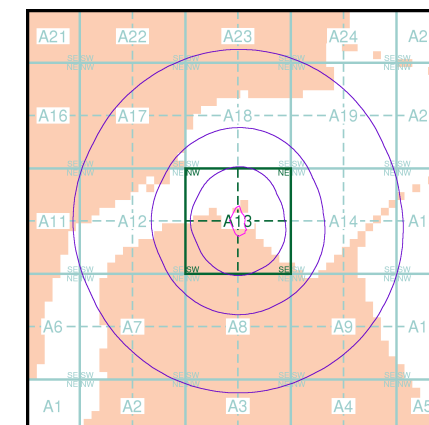
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

- National to county
- County to town
- Town to street
- Street to parcels of land
- Property

EA/NRW Suitability Map - Slice A



Order Details

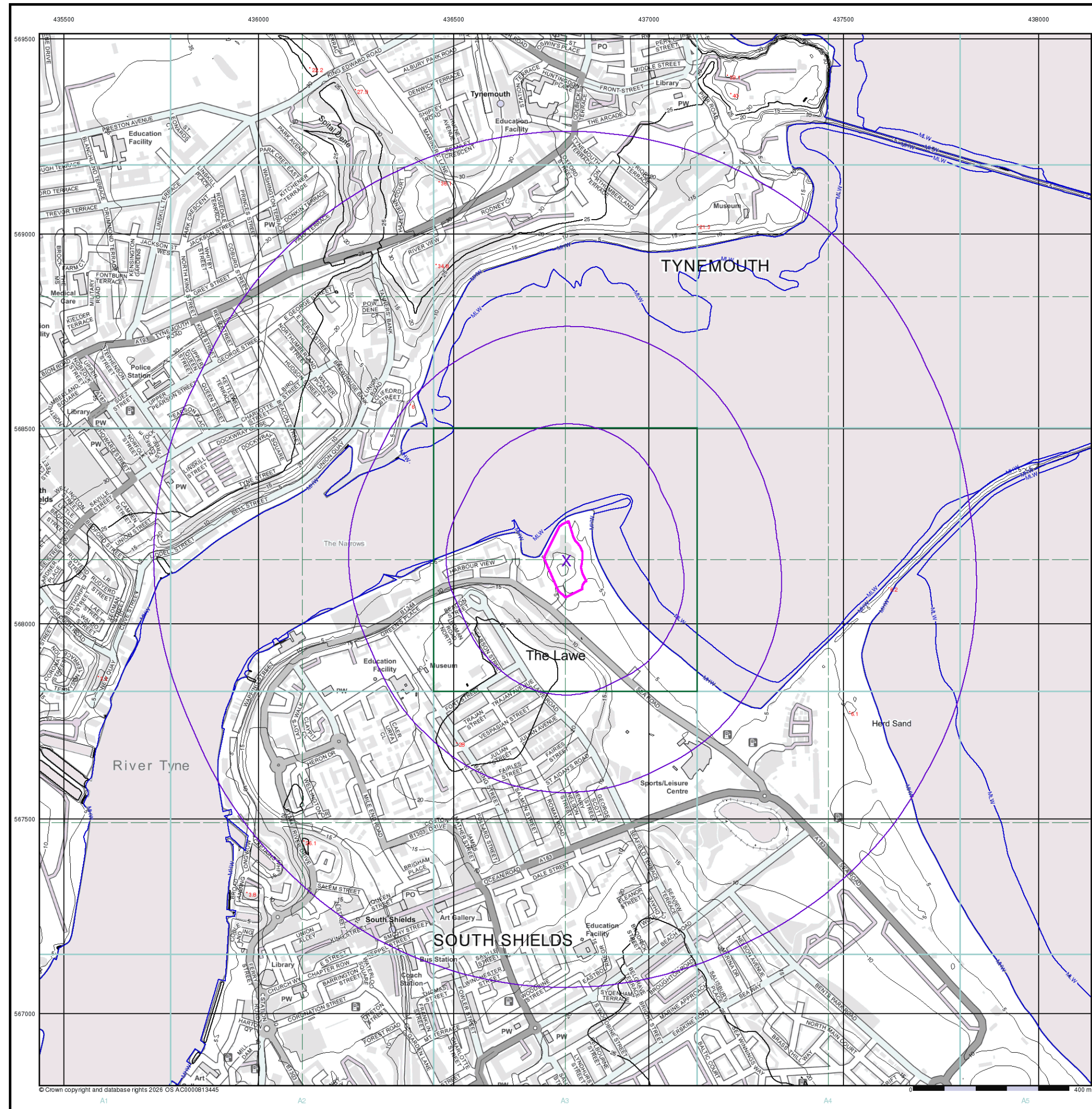
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Customer Ref: 25-810
National Grid Reference: 436790, 568160
Slice: A
Site Area (Ha): 1.28
Search Buffer (m): 1000

Site Details

Little Haven Hotel, River Drive, South Shields, NE33 1LH

Landmark
INFORMATION GROUP

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WFD Surface Waters Map

General

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

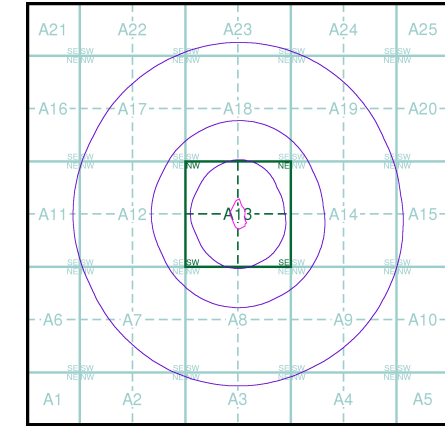
Water Framework Directive - Surface Water Quality

- High
- Good
- Moderate
- Poor
- Bad

Contours (height in meters)

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

WFD Surface Waters Map - Slice A



Order Details

Order Number: 393499865_1_1
 Customer Ref: 25-810
 National Grid Reference: 436790, 568160
 Slice: A
 Site Area (Ha): 1.28
 Search Buffer (m): 1000

Site Details

Little Haven Hotel, River Drive, South Shields, NE33 1LH



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

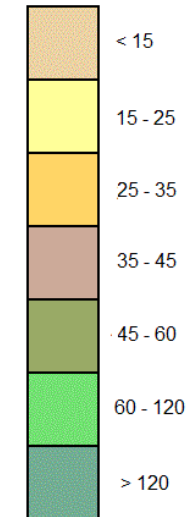


General

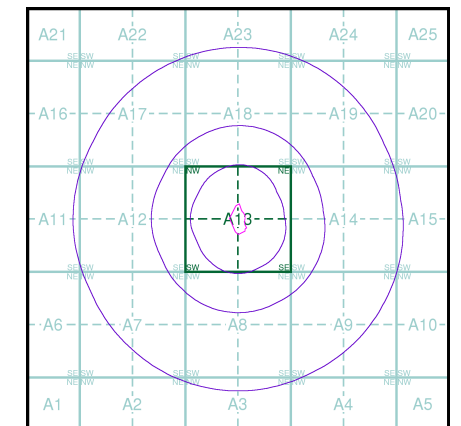
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A



Order Details

Order Details: 393499865_1_1
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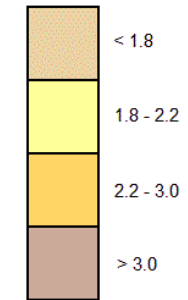


General

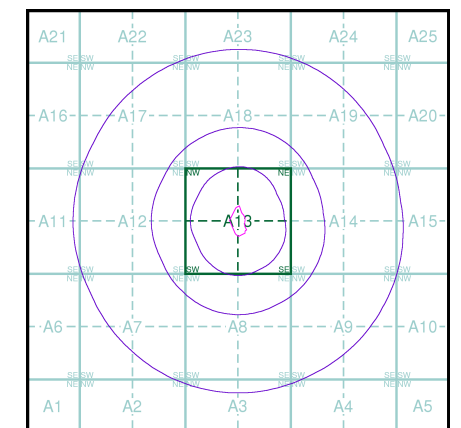
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

Order Details: 393499865_1_1
Customer Ref: 25-810
National Grid Reference: 436790, 568160
Slice: A
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Search Buffer (m): 1000

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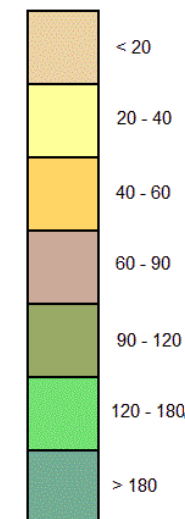


General

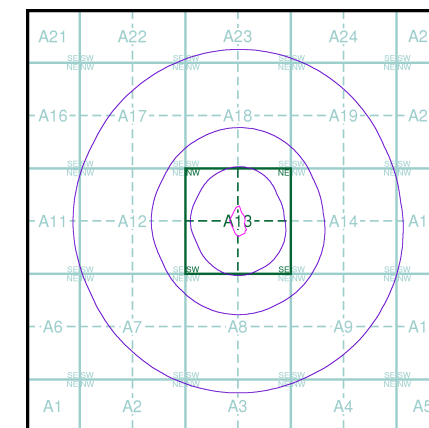
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A



Order Details

Order Details: 393499865_1_1
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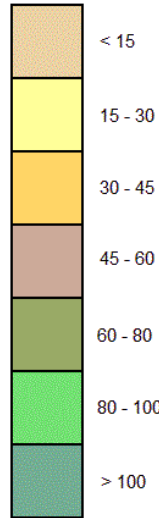


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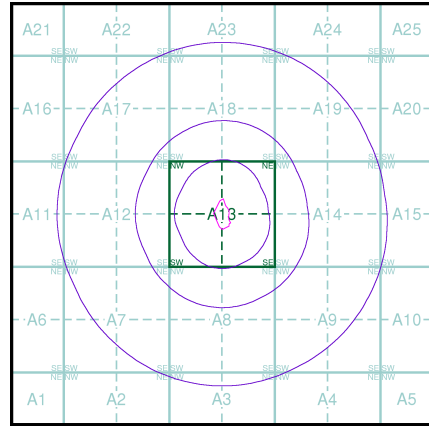
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A



Order Details

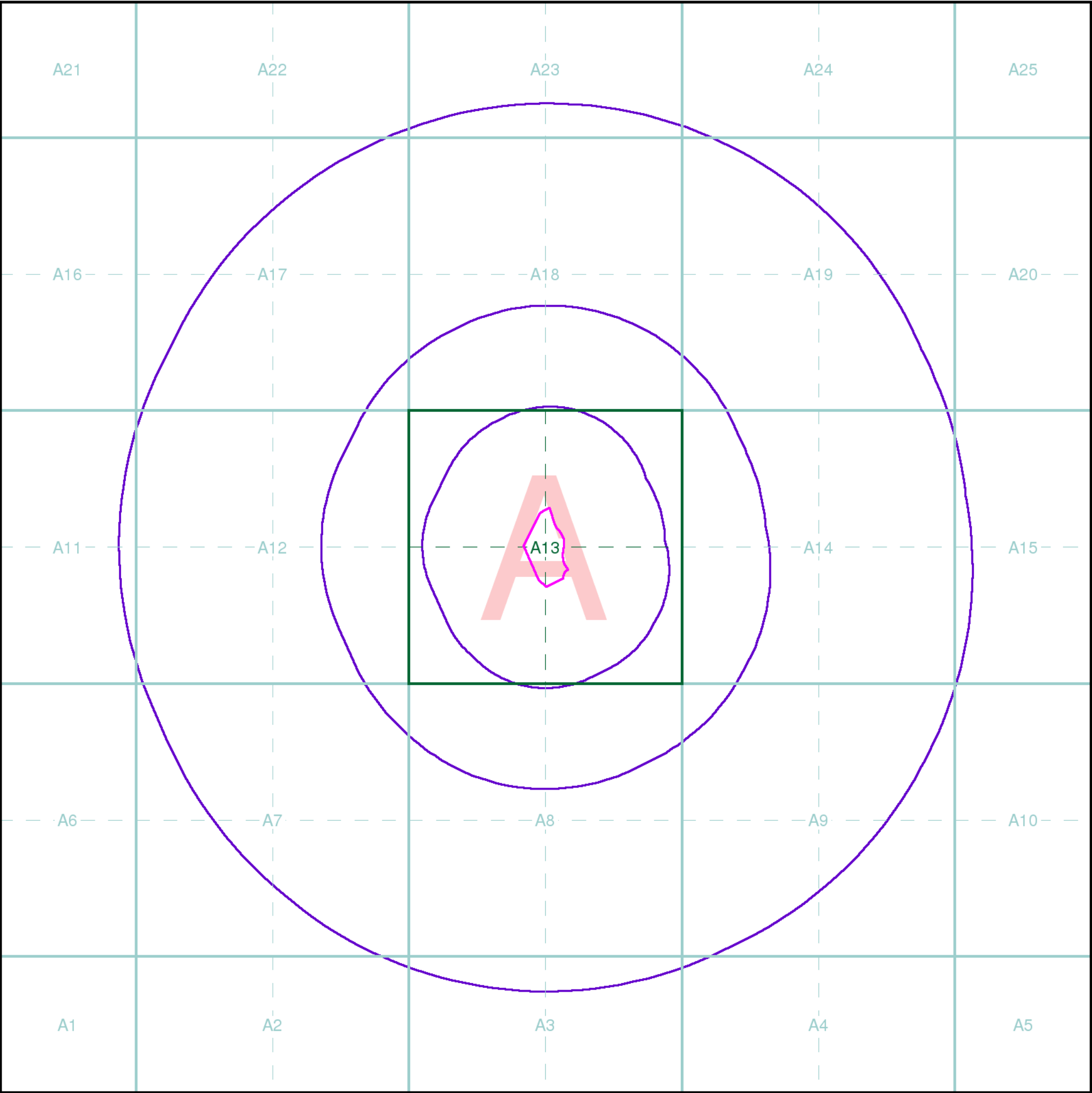
Order Details: 393499865_1_1
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Index Map

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

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

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

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

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Client Details
Mr D McGrath, Arc Environmental Ltd, Unit 1, Elliot Court,
St John's Road, Meadowfield, Durham, DH7 8PN

Order Details
Order Number: 393499865_1_1
Customer Ref: 25-810
National Grid Reference: 436790, 568160
Site Area (Ha): 1.28
Search Buffer (m): 1000

Site Details
Little Haven Hotel, River Drive, South Shields, NE33 1LH

Full Terms and Conditions can be found on the following link:
<http://www.landmarkinfo.co.uk/Terms/Show/515>

Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

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

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	SUPNM	Superficial Theme Not Mapped [For Digital Map Use Only]	Unknown/Unclassified Entry	Not Supplied - Not Supplied
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	TRD	Tidal River Or Creek Deposits	Clay, Silt and Sand	Not Supplied - Holocene
	TILLD	Till, Devensian	Diamicton	Not Supplied - Devensian
	GLLDD	Glaciolacustrine Deposits, Devensian	Clay and Silt	Not Supplied - Devensian
	GFDUD	Glaciofluvial Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	PELC	Pelaw Clay Member	Clay	Not Supplied - Devensian
	MBD	Marine Beach Deposits	Sand and Gravel	Not Supplied - Quaternary
	BSA	Blown Sand	Sand	Not Supplied - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	MULD	Mull Dyke-Swarm	Microgabbro	Not Supplied - Palaeogene
	RML	Raisby Formation	Dolostone	Not Supplied - GUADALUPIAN
	ROD	Roker Formation	Dolostone	Not Supplied - GUADALUPIAN
	YWS	Yellow Sands Formation	Sandstone	Not Supplied - Cisuralian
	GNP	Grindstone Post Member	Sandstone	Not Supplied - Westphalian
	PMCM	Pennine Middle Coal Measures Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	PMCM	Pennine Middle Coal Measures Formation	Sandstone	Not Supplied - Westphalian

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	SFP	Seventy Fathom Post Member	Sandstone	Not Supplied - Westphalian
		Rock Segments		
		Faults		



Geology 1:50,000 Maps

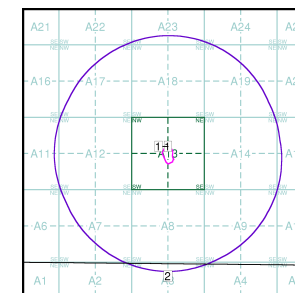
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published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

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

Geology 1:50,000 Maps Coverage

Map ID:	2	Map ID:	1
Map Sheet No:	021	Map Sheet No:	015
Map Name:	Sunderland	Map Name:	Tynemouth
Map Date:	1978	Map Date:	1968
Bedrock Geology:	Available	Bedrock Geology:	Available
Superficial Geology:	Available	Superficial Geology:	Available
Artificial Geology:	Available	Artificial Geology:	Available
Faults:	Not Supplied	Faults:	Not Supplied
Landslip:	Available	Landslip:	Not Available
Rock Segments:	Not Supplied	Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice A

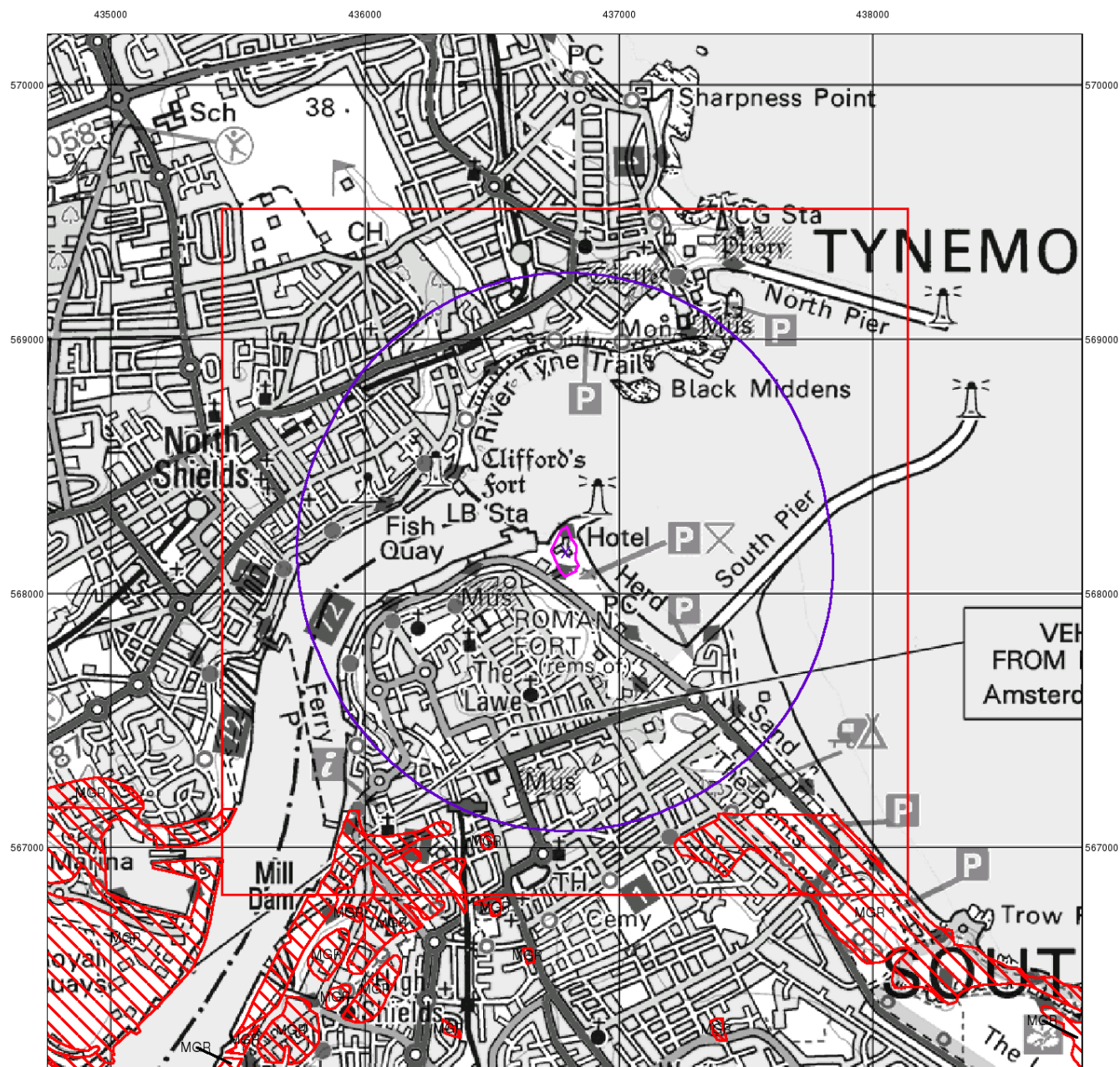


Order Details:

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Artificial Ground and Landslip

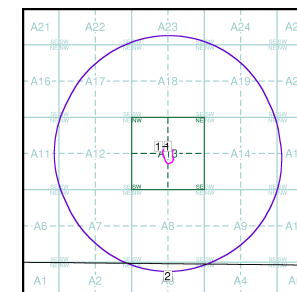
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial ground includes:

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

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

Artificial Ground and Landslip Map - Slice A



Order Details:

Order Number: 393499865_1_1
 Customer Reference: 25-810
 National Grid Reference: 436790, 568160
 Slice: A
 Site Area (Ha): 1.28
 Search Buffer (m): 1000

Site Details:

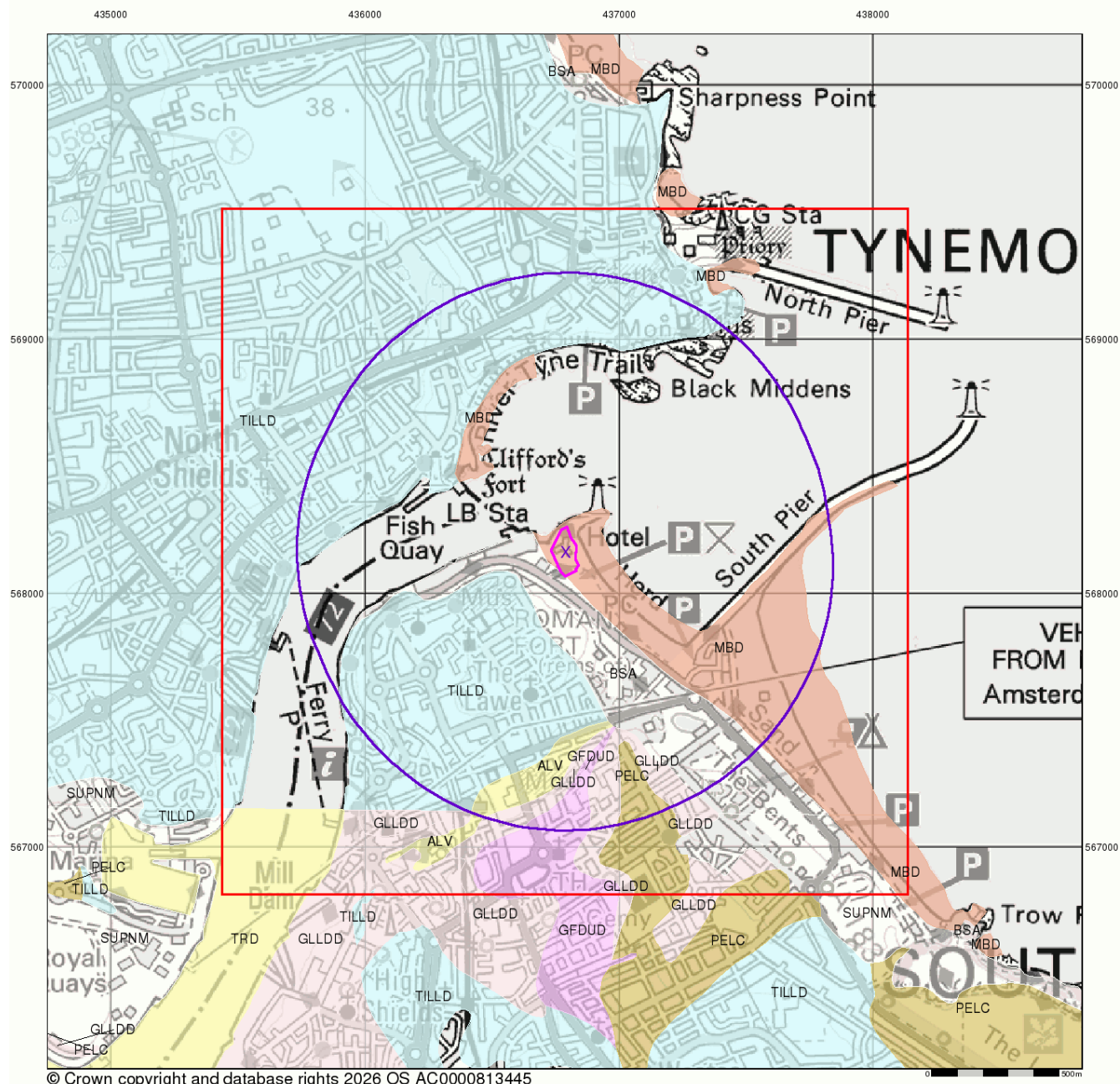
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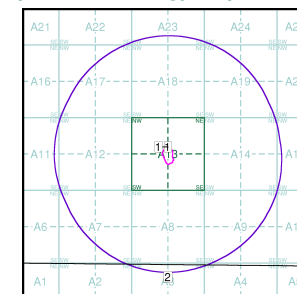
Superficial Geology

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

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

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

Superficial Geology Map - Slice A



Order Details:

Order Number: 393499865_1_1
 Customer Reference: 25-810
 National Grid Reference: 436790, 568160
 Slice: A
 Site Area (Ha): 1.28
 Search Buffer (m): 1000

Site Details:

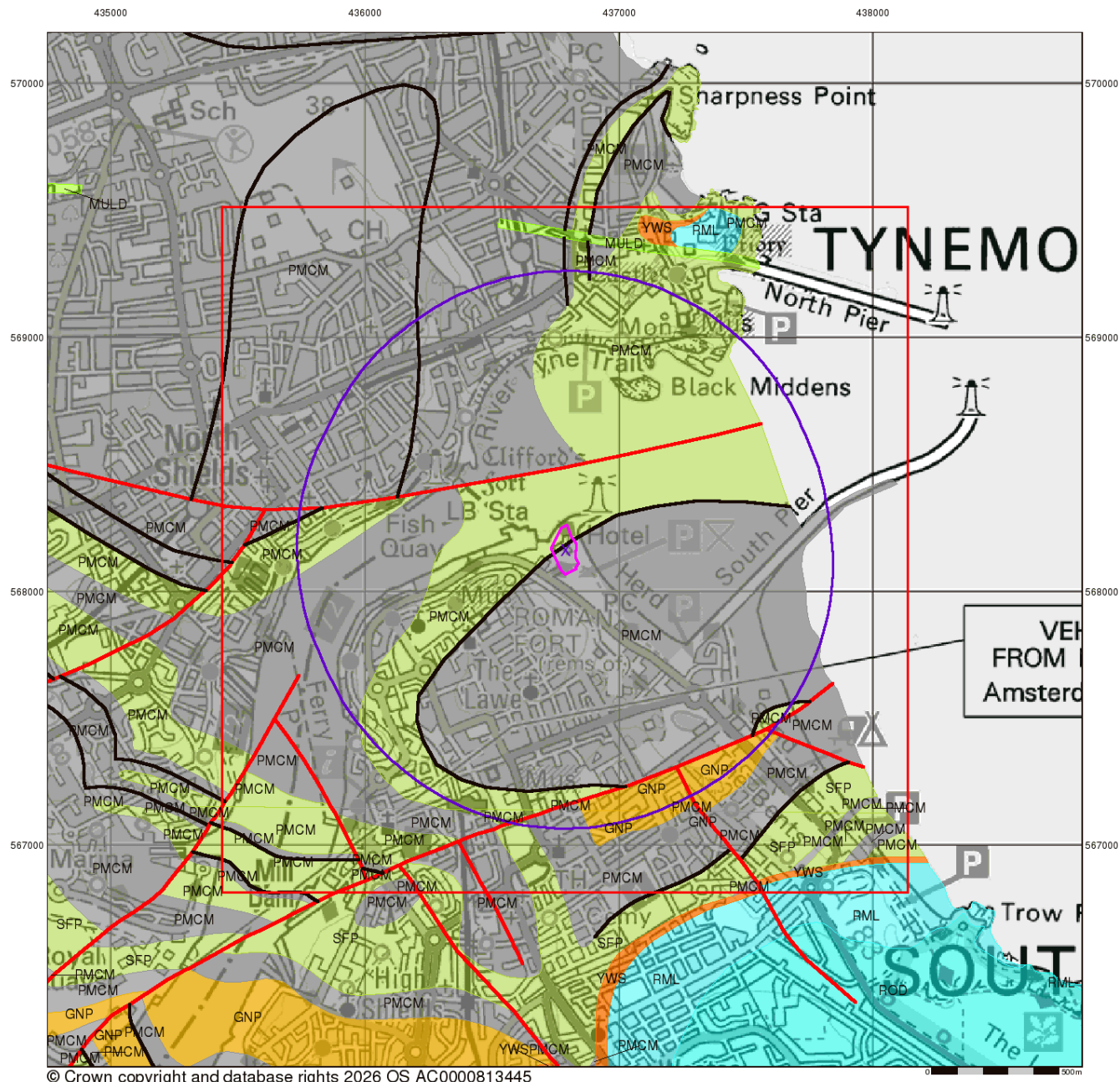
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Bedrock and Faults

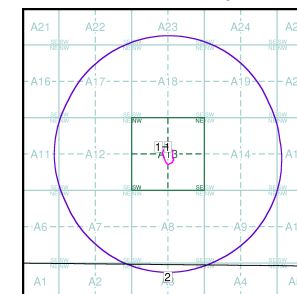
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

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

Bedrock and Faults Map - Slice A



Order Details:

Order Number: 393499865_1_1
Customer Reference: 25-810
National Grid Reference: 436790, 568160
Slice: A
Site Area (Ha): 1.28
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Site Details:

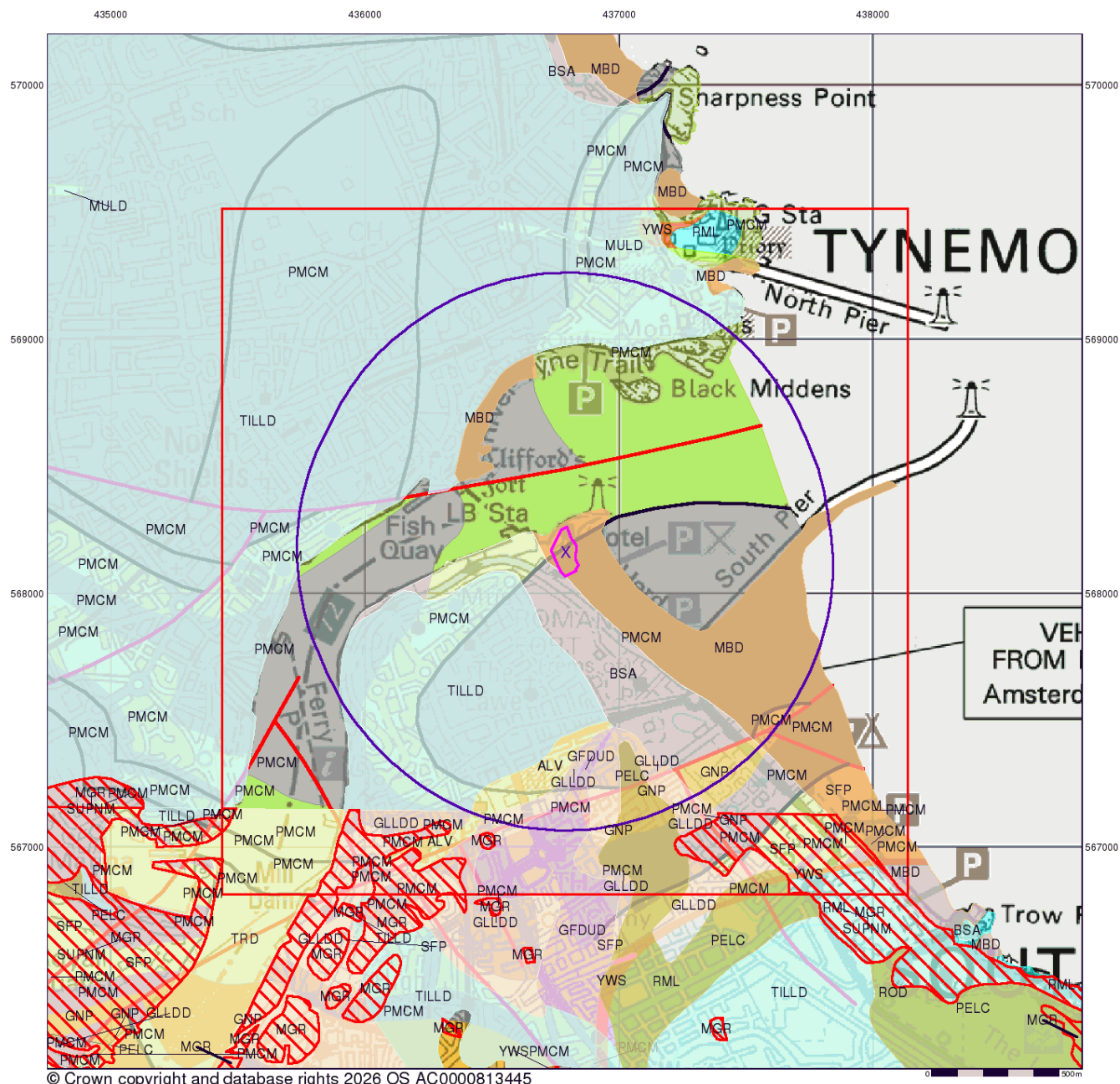
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Combined Surface Geology

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

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

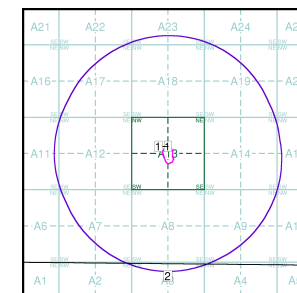
Additional Information

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

Contact

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

Combined Geology Map - Slice A



Order Details:

Order Number: 393499865_1_1
Customer Reference: 25-810
National Grid Reference: 436790, 568160
Slice: A
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Site Details:

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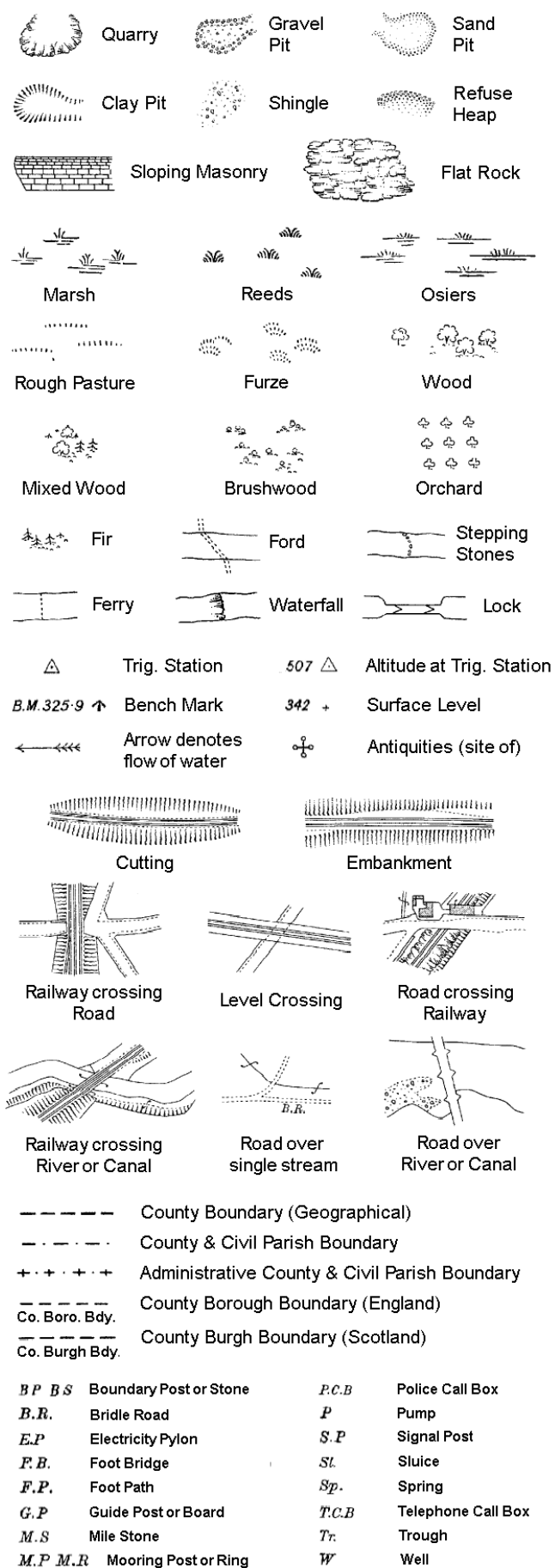


Tel: 0844 844 9952
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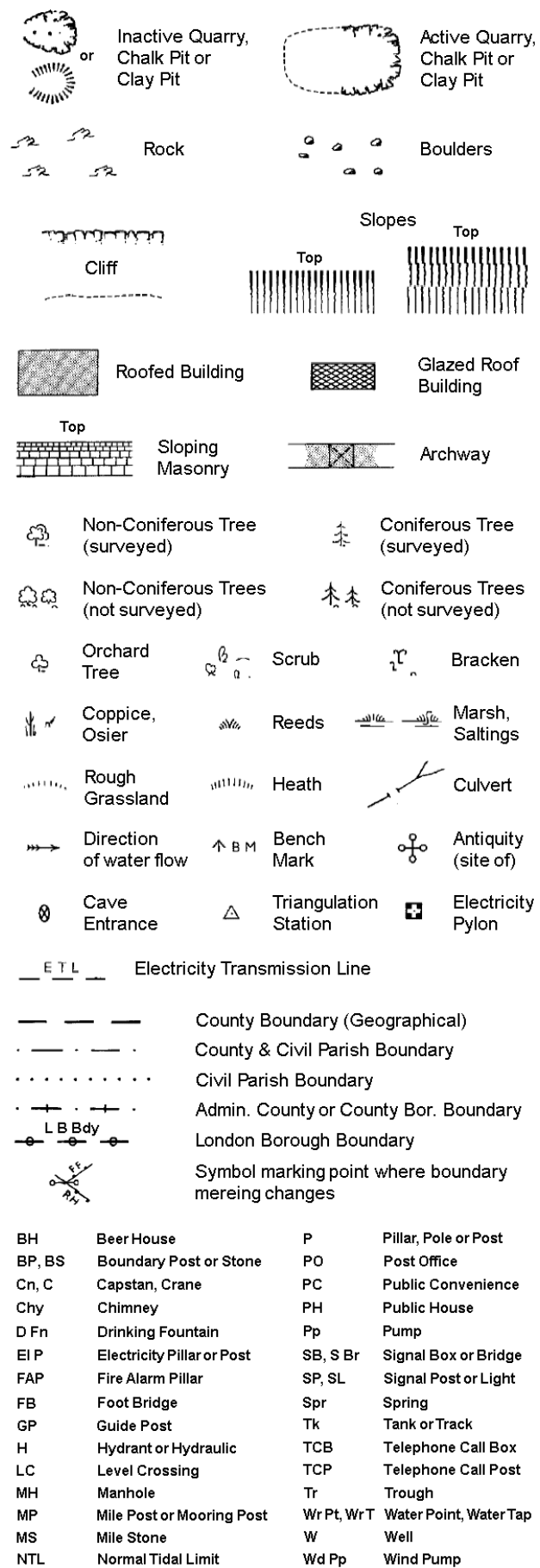
v15.0 15-Jan-2026

Historical Mapping Legends

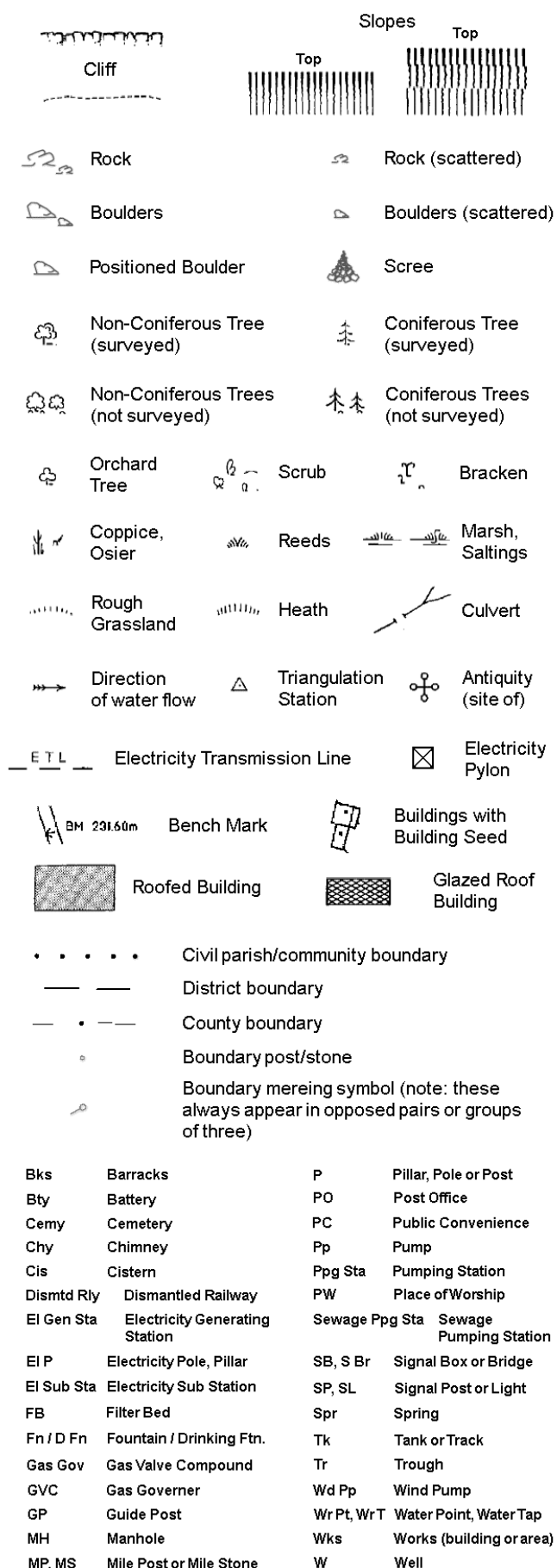
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information



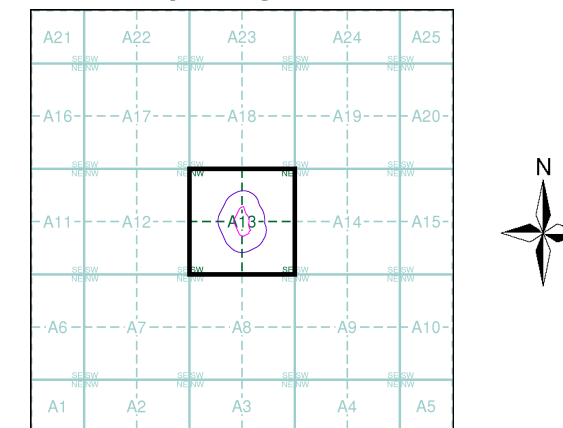
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Page
Northumberland	1:2,500	1861	2
Durham	1:2,500	1881	3
Durham	1:2,500	1898	4
Northumberland	1:2,500	1898	5
Durham	1:2,500	1915	6
Durham	1:2,500	1941	7
Ordnance Survey Plan	1:1,250	1955 - 1956	8
Ordnance Survey Plan	1:2,500	1956	9
Ordnance Survey Plan	1:1,250	1964 - 1974	10
Ordnance Survey Plan	1:2,500	1968	11
Additional SIMs	1:2,500	1968	12
Ordnance Survey Plan	1:1,250	1971 - 1987	13
Supply of Unpublished Survey Information	1:1,250	1973 - 1974	14
Supply of Unpublished Survey Information	1:1,250	1974 - 1975	15
Additional SIMs	1:1,250	1979 - 1989	16
Additional SIMs	1:1,250	1991	17
Large-Scale National Grid Data	1:1,250	1993	18
Large-Scale National Grid Data	1:1,250	1994	19
Historical Aerial Photography	1:2,500	1999	20

Historical Map - Segment A13



Order Details

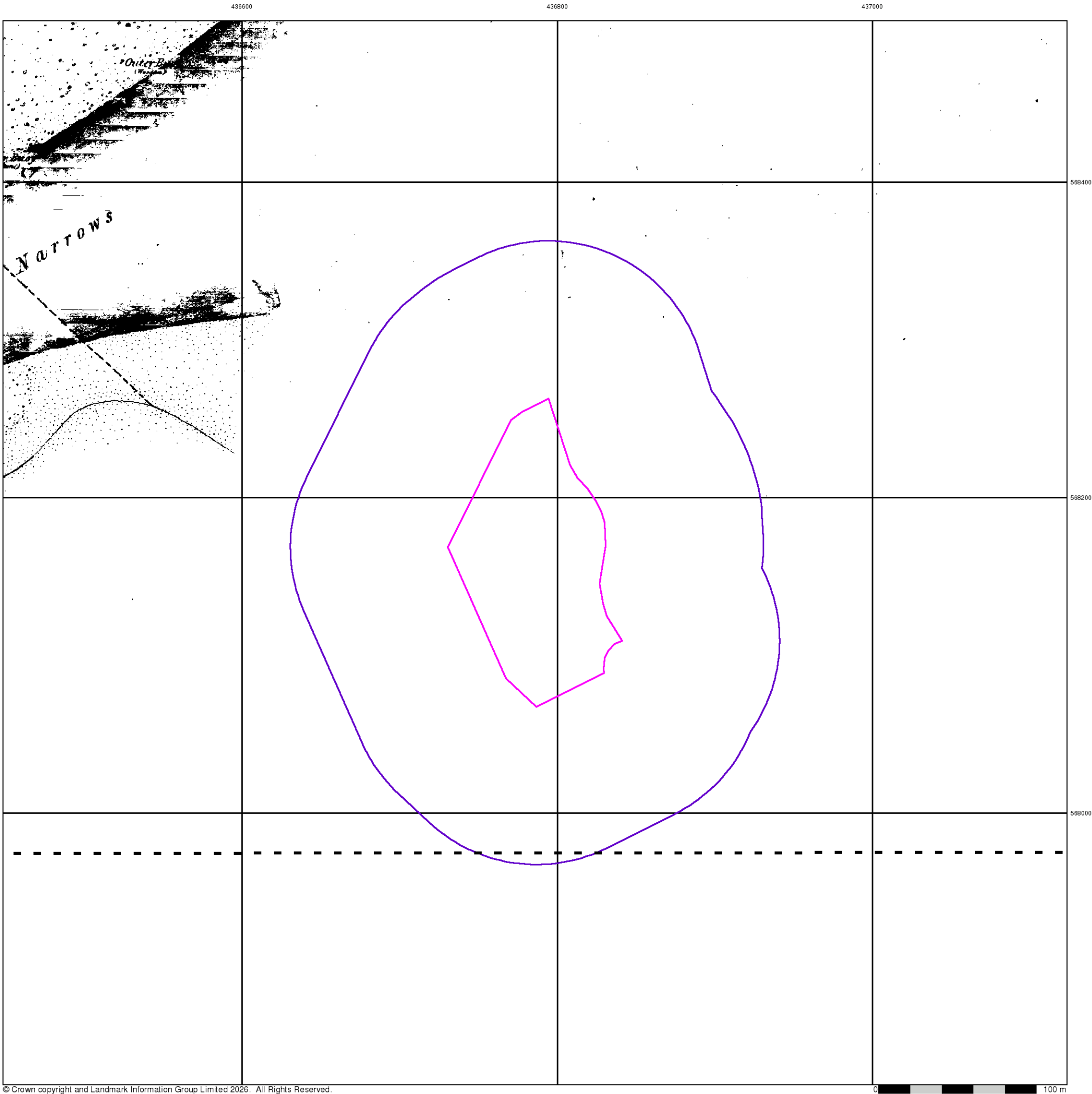
Order Number:	393499865_1_1
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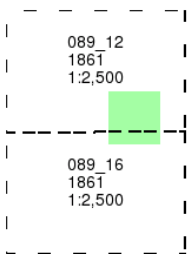
Northumberland

Published 1861

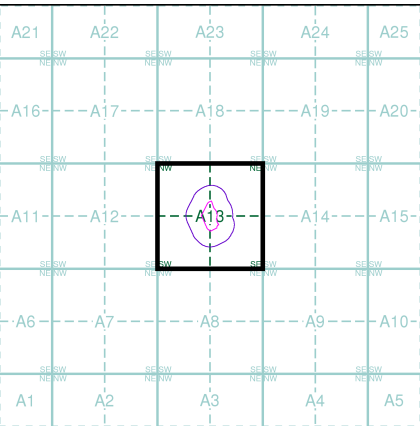
Source map scale - 1:2,500

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



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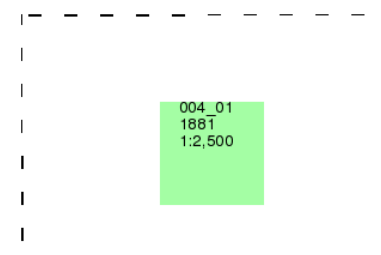


Published 1881

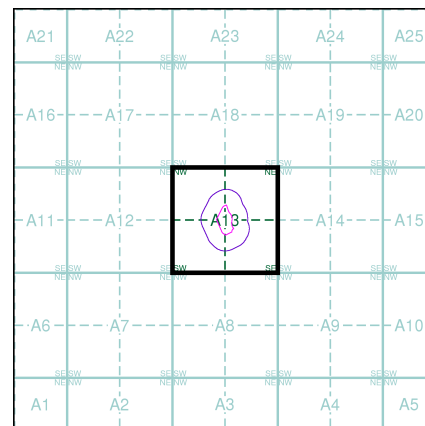
Source map scale - 1:2,500

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

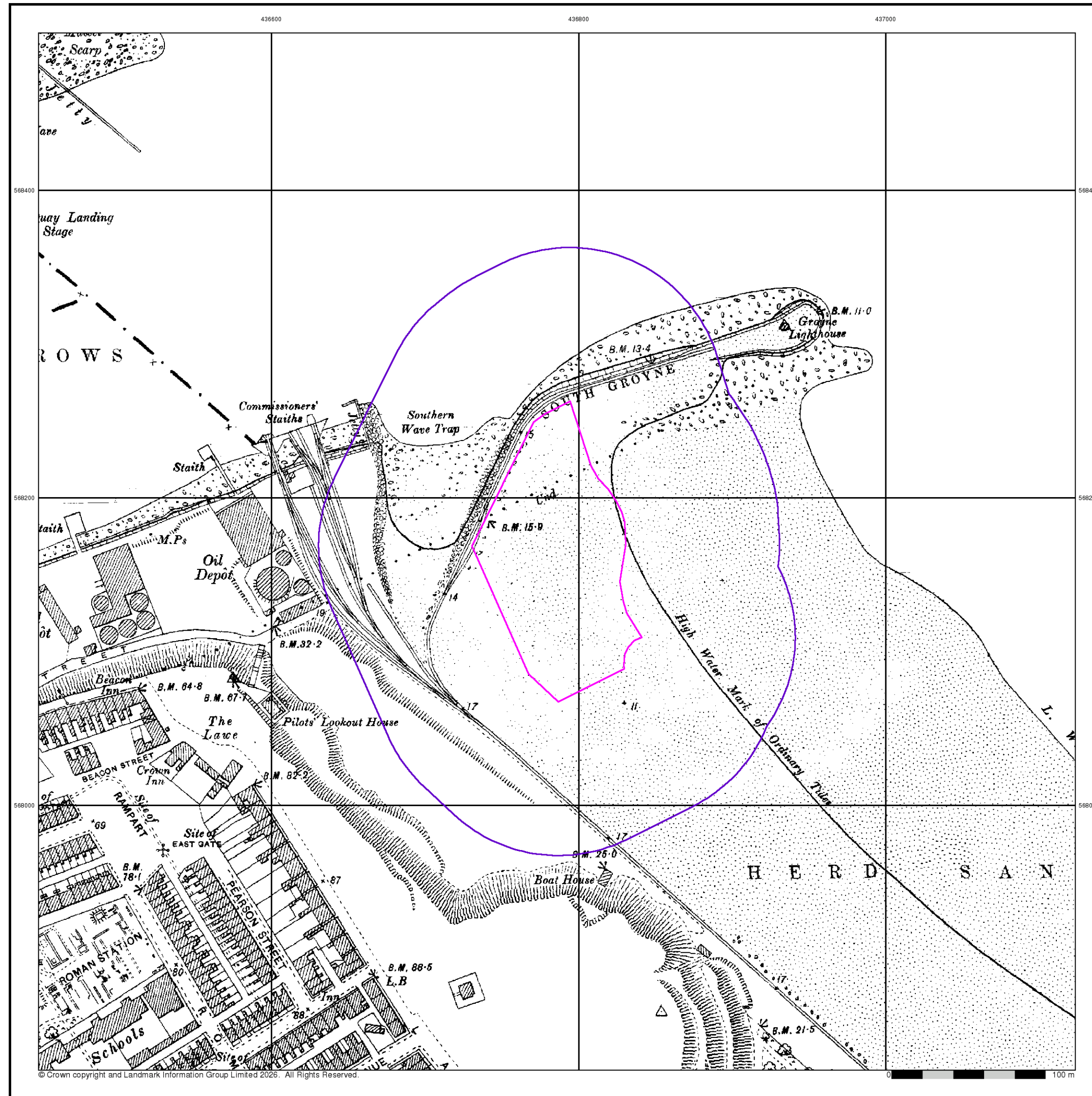
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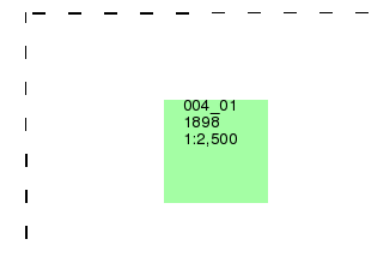
Durham

Published 1898

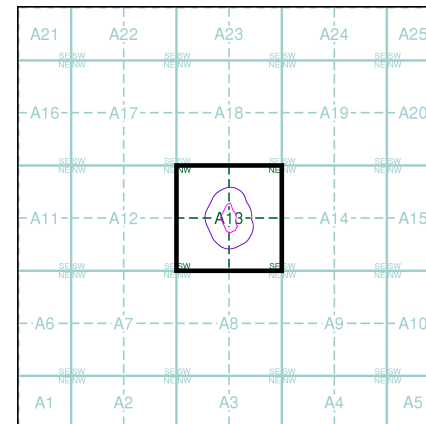
Source map scale - 1:2,500

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

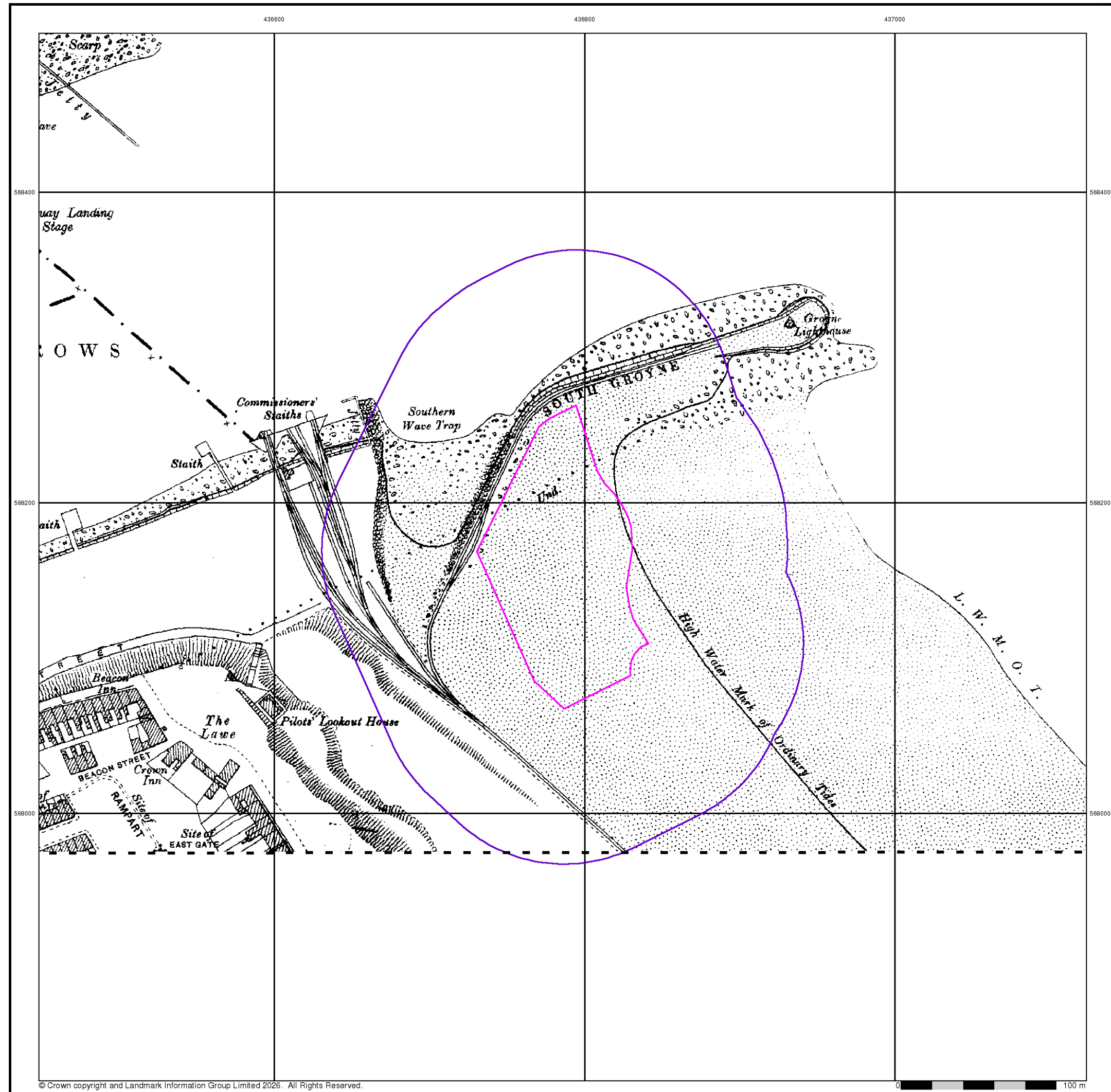
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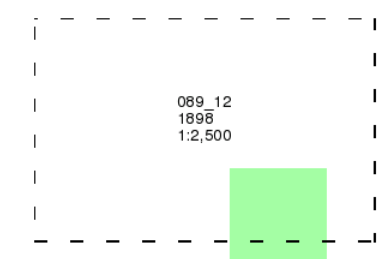
Northumberland

Published 1898

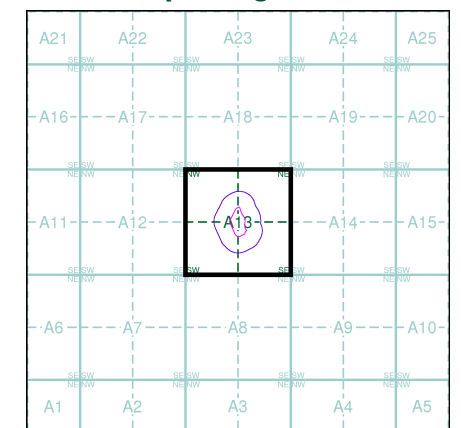
Source map scale - 1:2,500

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

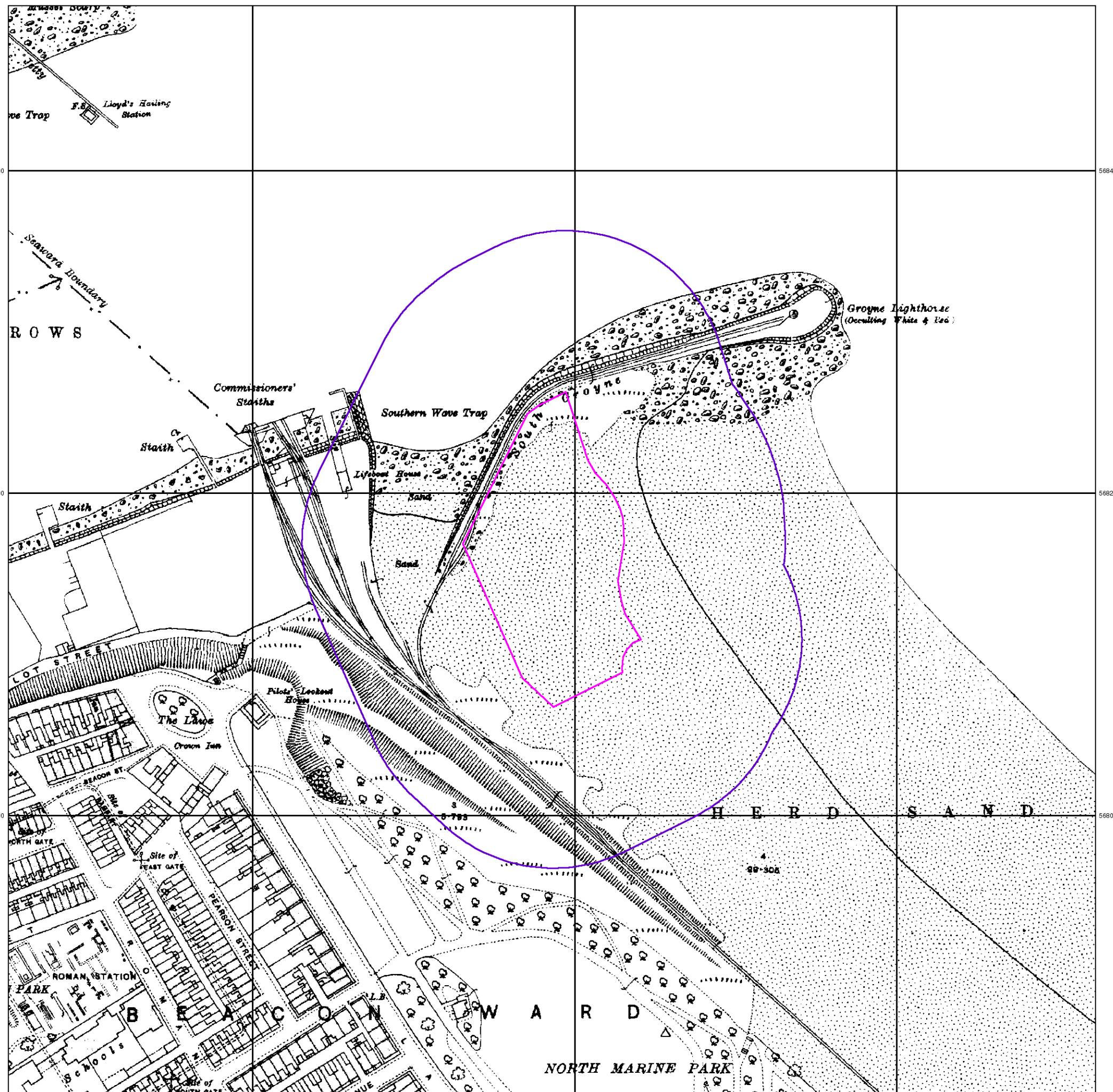
Order Number: 393499865_1_1
Customer Ref: 25-810
National Grid Reference: 436790, 568160
Slice: A
Site Area (Ha): 1.28
Search Buffer (m): 100

Site Details

Little Haven Hotel, River Drive, South Shields, NE33 1LH



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



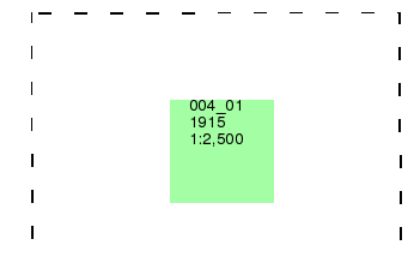
Durham

Published 1915

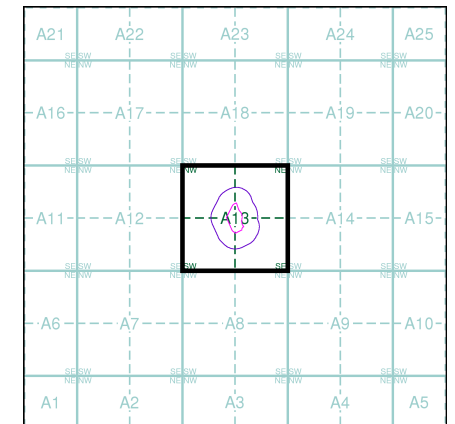
Source map scale - 1:2,500

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

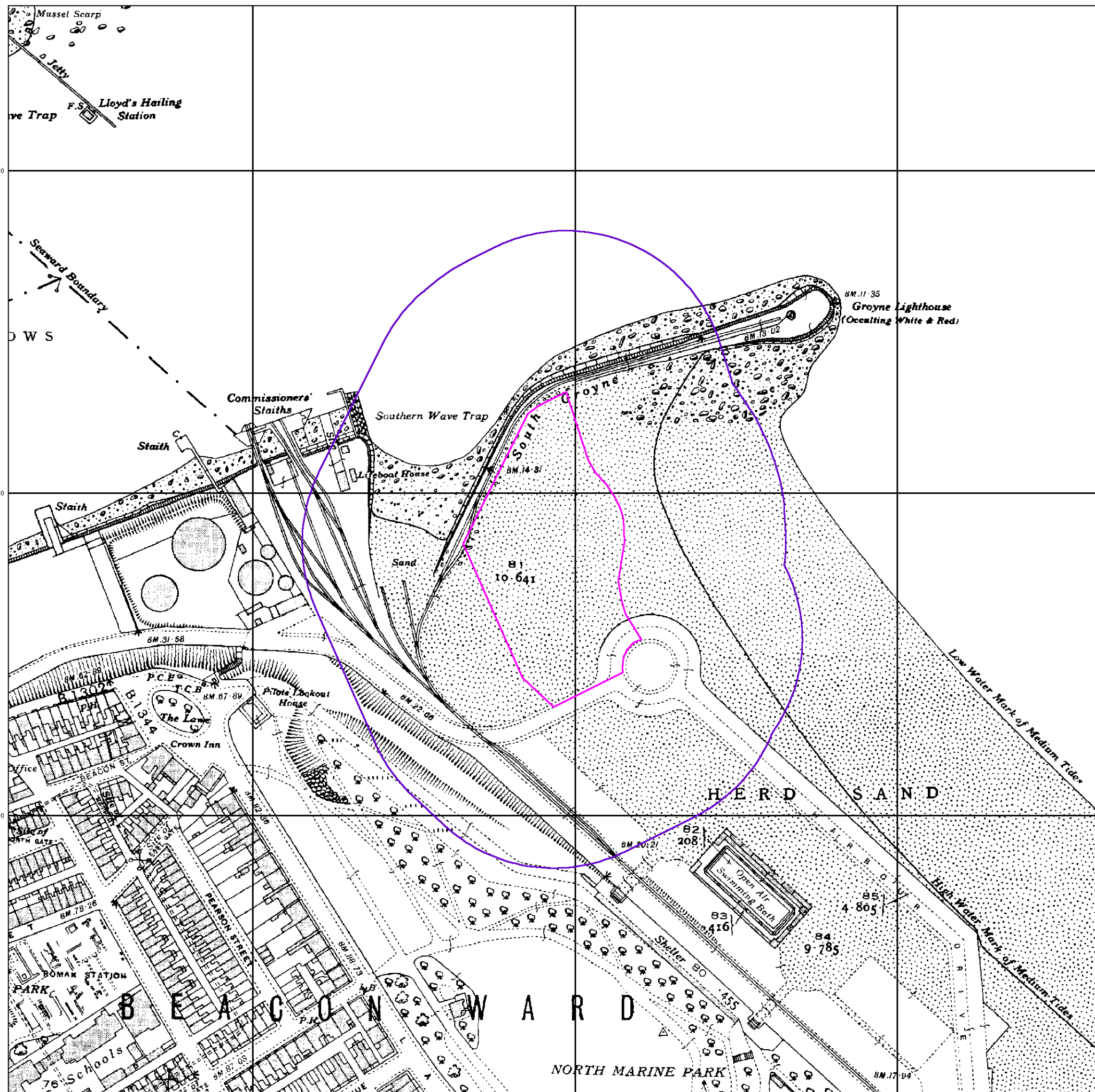
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Customer Ref: 25-810
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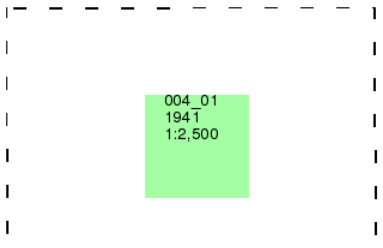
Durham

Published 1941

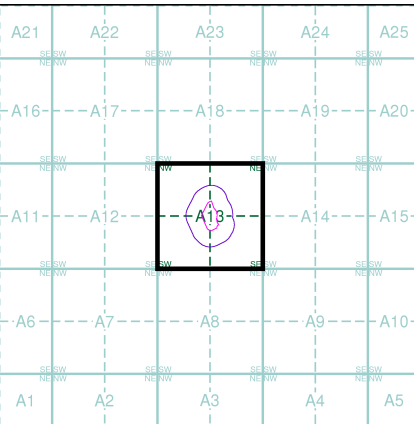
Source map scale - 1:2,500

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: 393499865_1_1
Customer Ref: 25-810
National Grid Reference: 436790, 568160
Slice: A
Site Area (Ha): 1.28
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Site Details

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Ordnance Survey Plan

Published 1955 - 1956

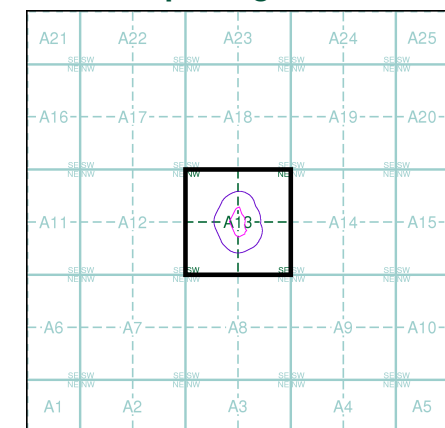
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

NZ3668NW	NZ3668NE	NZ3768NW
1955	1955	1955
1:1,250	1:1,250	1:1,250
NZ3668SW	NZ3668SE	
1955	1955	
1:1,250	1:1,250	
NZ3667NW	NZ3667NE	NZ3767NW
1956	1956	1955
1:1,250	1:1,250	1:1,250

Historical Map - Segment A13



Order Details

Order Number: 393499865_1_1
Customer Ref: 25-810
National Grid Reference: 436790, 568160
Slice: A
Site Area (Ha): 1.28
Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

Published 1956

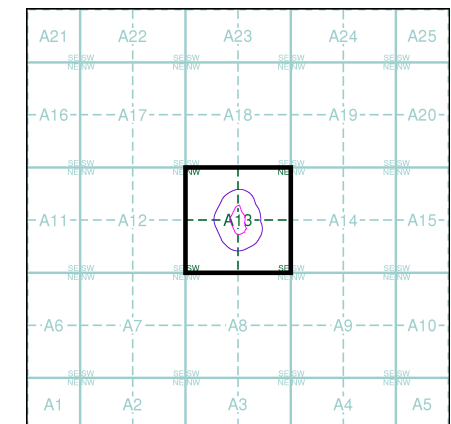
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

NZ3668 1956 12,500	NZ3768 1956 12,500
NZ3667 1956 12,500	NZ3767 1956 12,500

Historical Map - Segment A13



Order Details

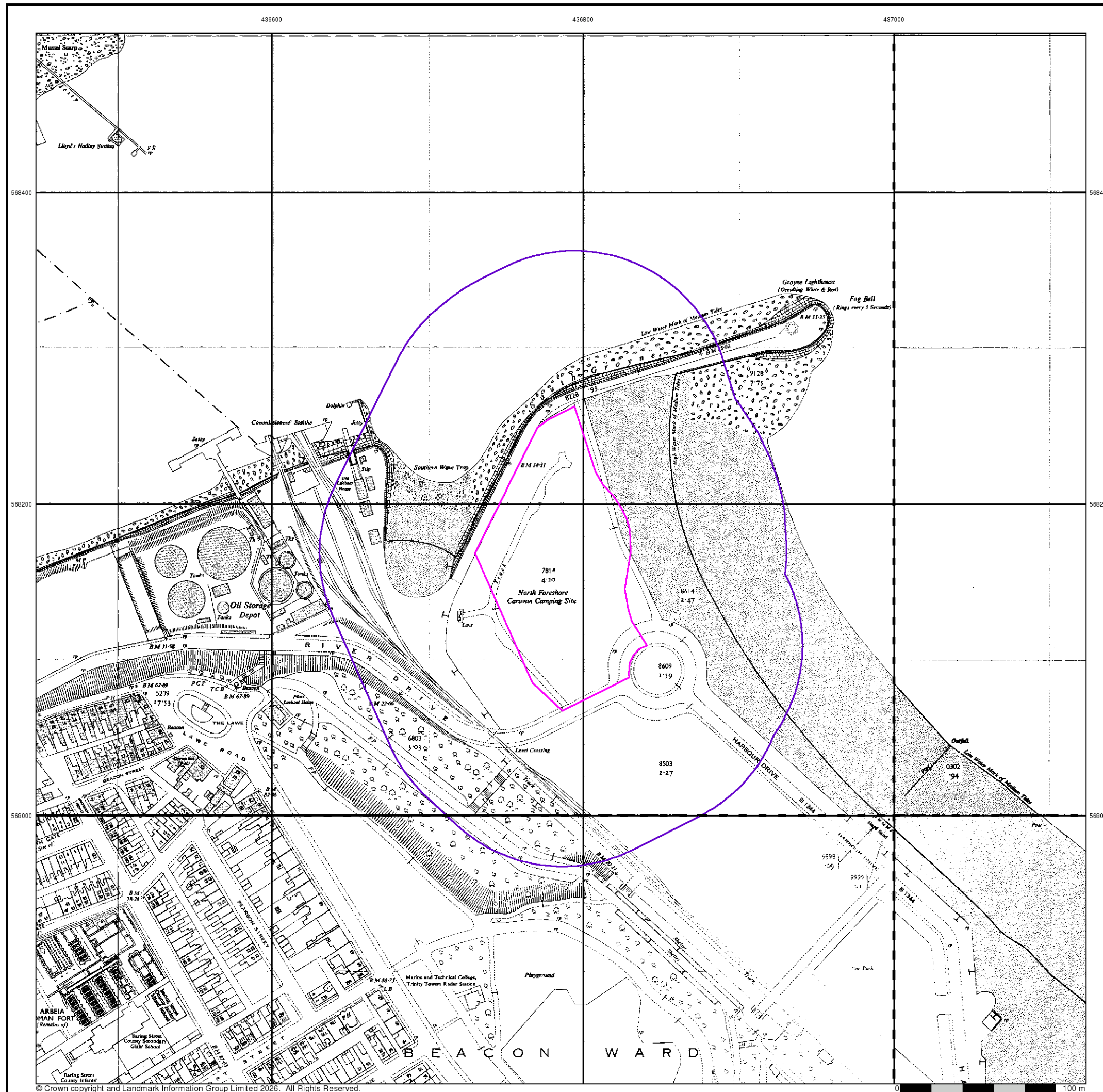
Order Number: 393499865_1_1
Customer Ref: 25-810
National Grid Reference: 436790, 568160
Slice: A
Site Area (Ha): 1.28
Search Buffer (m): 100

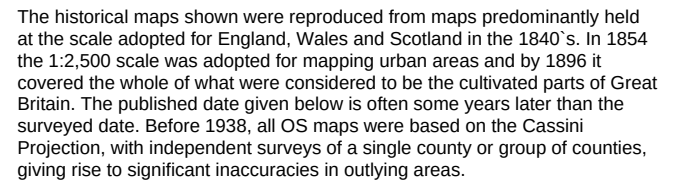
Site Details

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Landmark
INFORMATION GROUP

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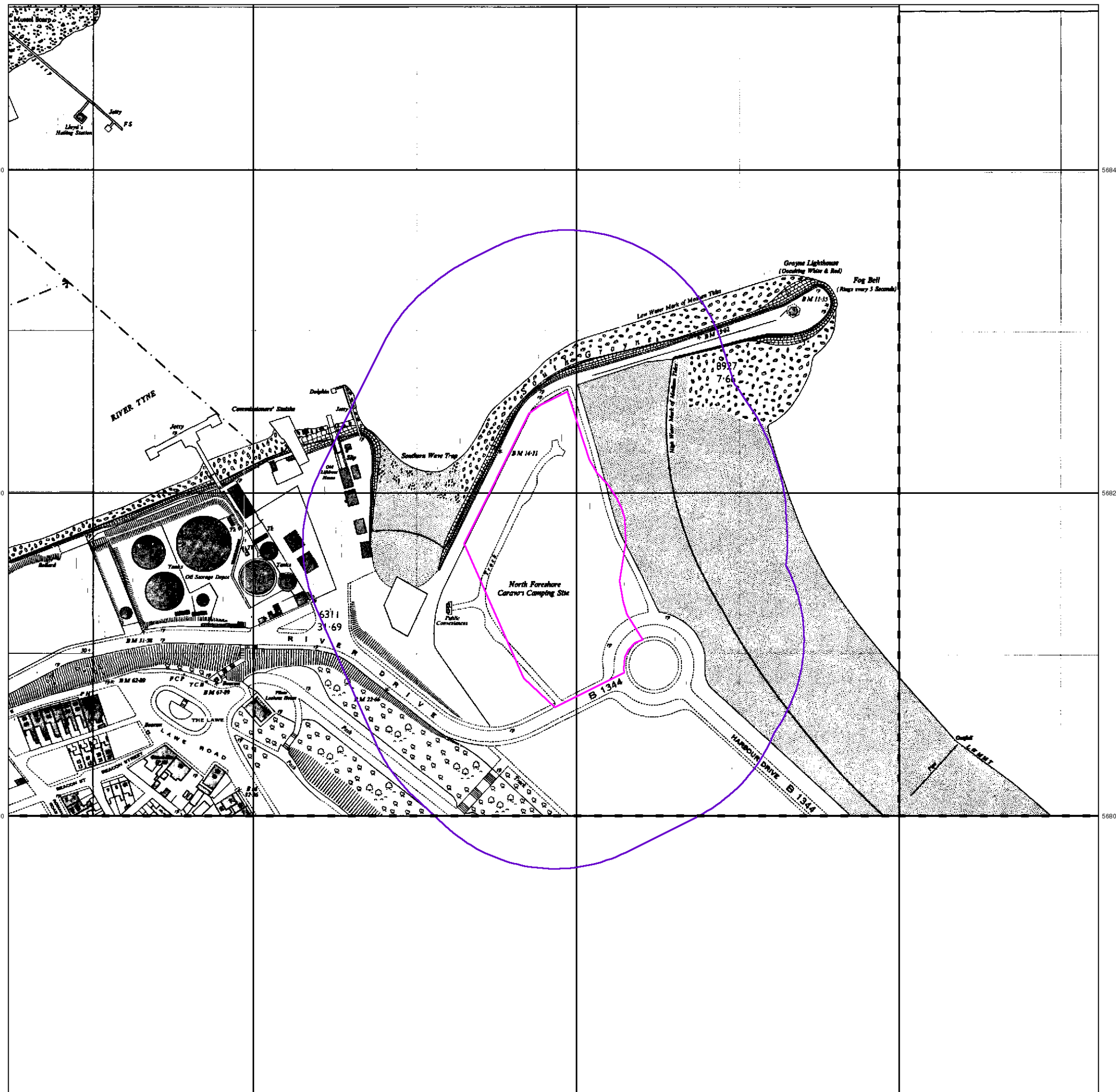
NZ3668NW	
964	
:1,250	
NZ3668SW	NZ3668SE
967	972
:1,250	:1,250
NZ3667NW	NZ3667NE
974	974
:1,250	:1,250

Figure 1 shows a 5x5 grid of cells, labeled A1 through A25. The cells are arranged in rows and columns. The top row contains A21, A22, A23, A24, and A25. The second row contains A16, A17, A18, A19, and A20. The third row contains A11, A12, A13, A14, and A15. The fourth row contains A6, A7, A8, A9, and A10. The bottom row contains A1, A2, A3, A4, and A5. Cell A13 is highlighted with a black square and a purple oval. Each cell contains a small diagram of a square with a circle inside, labeled 'SE' and 'NW'.



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Ordnance Survey Plan

Published 1968

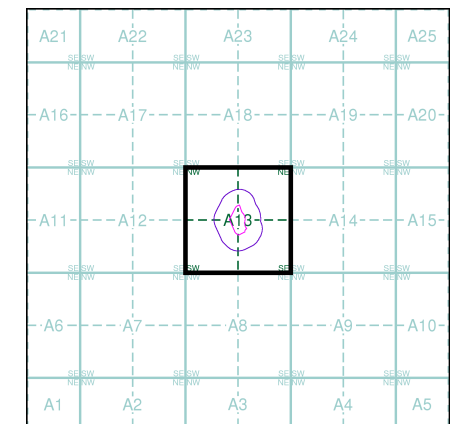
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

NZ3668 1968 1:2,500	NZ3768 1968 1:2,500
---------------------------	---------------------------

Historical Map - Segment A13



Order Details

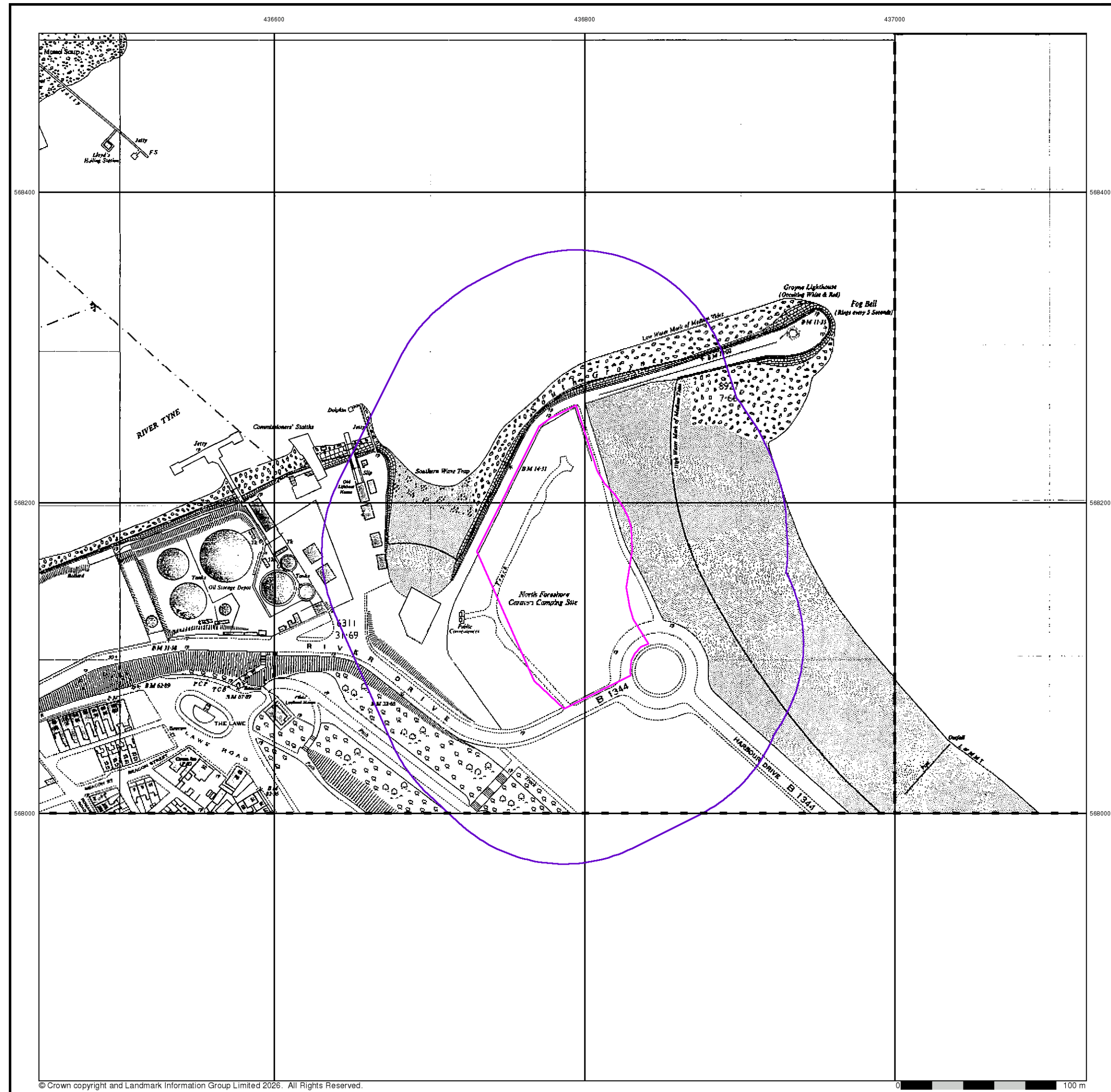
Order Number: 393499865_1_1
Customer Ref: 25-810
National Grid Reference: 436790, 568160
Slice: A
Site Area (Ha): 1.28
Search Buffer (m): 100

Site Details

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Landmark
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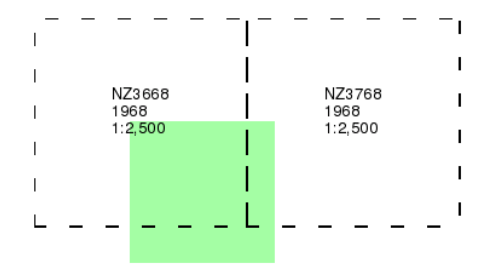
Tel: 0844 844 9952
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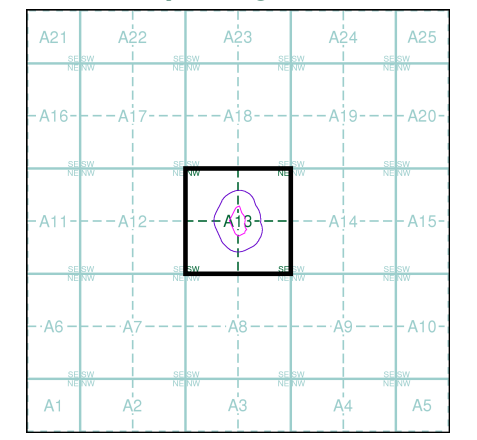
Additional SIMs
Published 1968
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 393499865_1_1
Customer Ref: 25-810
National Grid Reference: 436790, 568160
Slice: A
Site Area (Ha): 1.28
Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

Published 1971 - 1987

Source map scale - 1:1,250

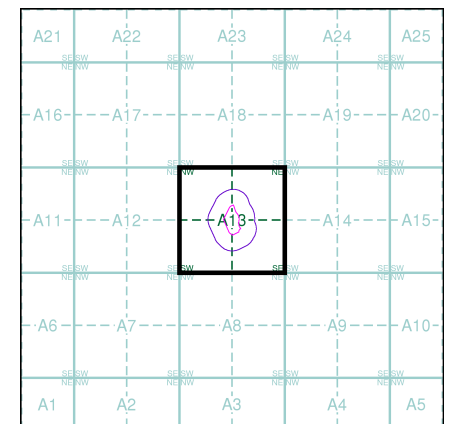
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

NZ3668NW
1971
1:1,250

NZ3667NW
1987
1:1,250

Historical Map - Segment A13



Order Details

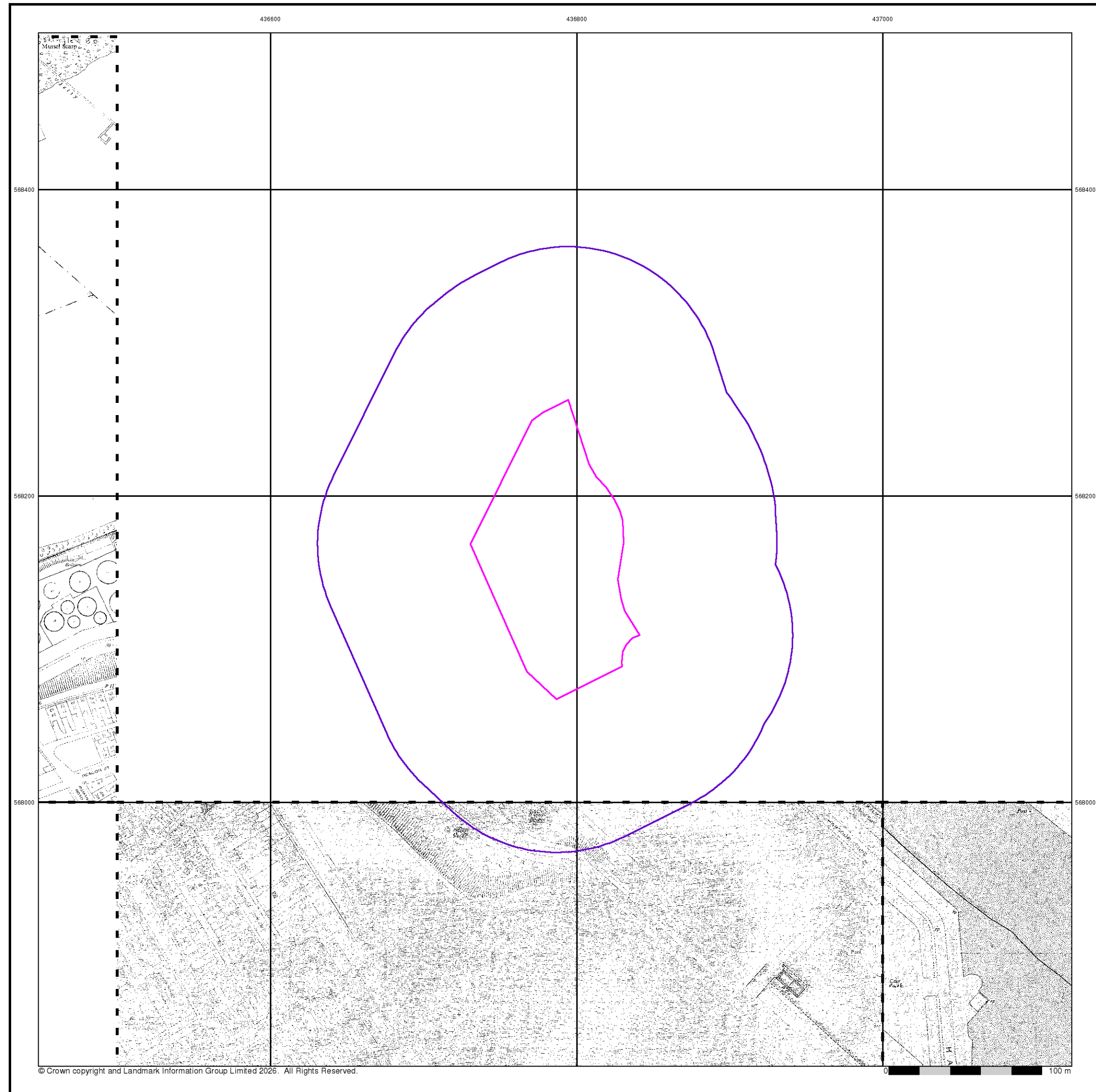
Order Number: 393499865_1_1
Customer Ref: 25-810
National Grid Reference: 436790, 568160
Slice: A
Site Area (Ha): 1.28
Search Buffer (m): 100

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Supply of Unpublished Survey Information

Published 1973 - 1974

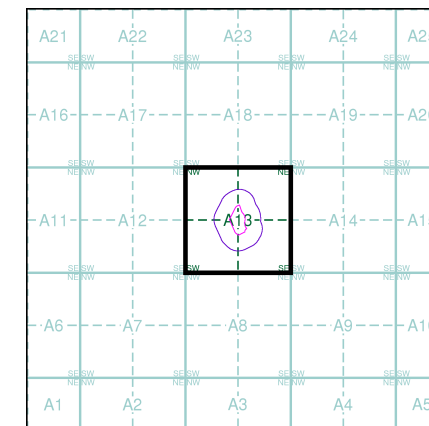
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

NZ3668SW 1974 1:1,250		
	NZ3667NE 1973 1:1,250	NZ3767NW 1974 1:1,250

Historical Map - Segment A13



Order Details

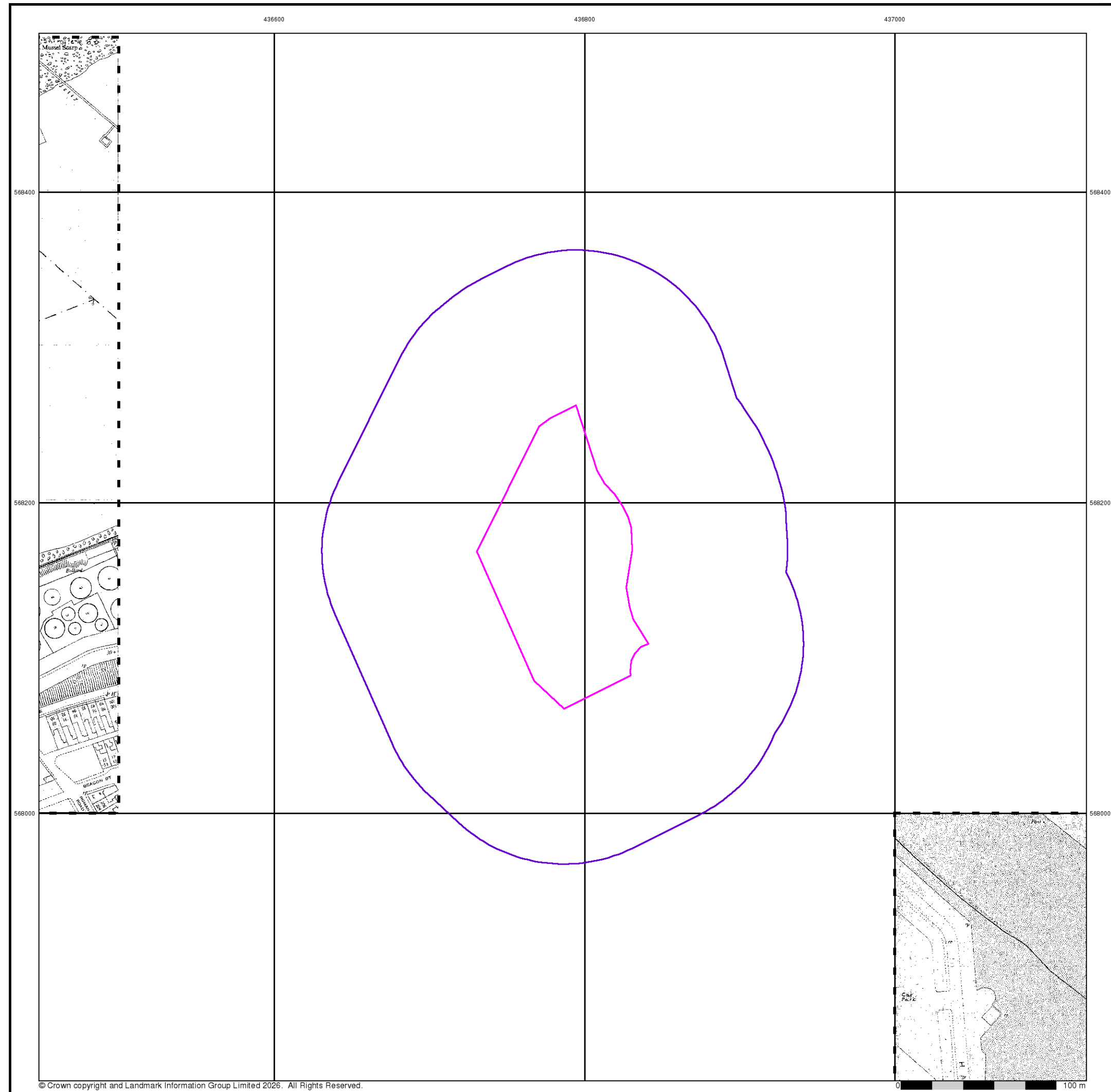
Order Number: 393499865_1_1
Customer Ref: 25-810
National Grid Reference: 436790, 568160
Slice: A
Site Area (Ha): 1.28
Search Buffer (m): 100

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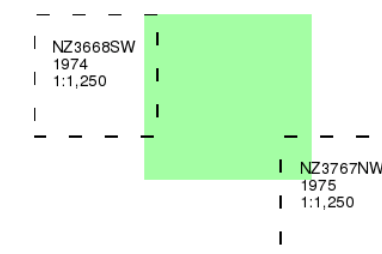
Supply of Unpublished Survey Information

Published 1974 - 1975

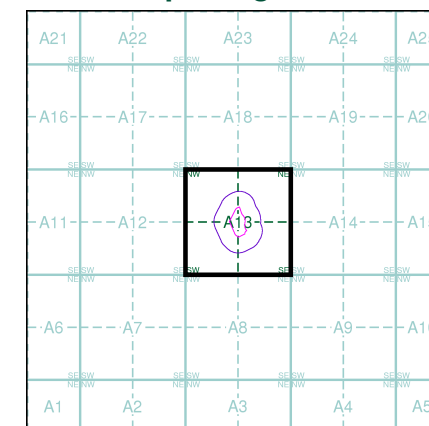
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

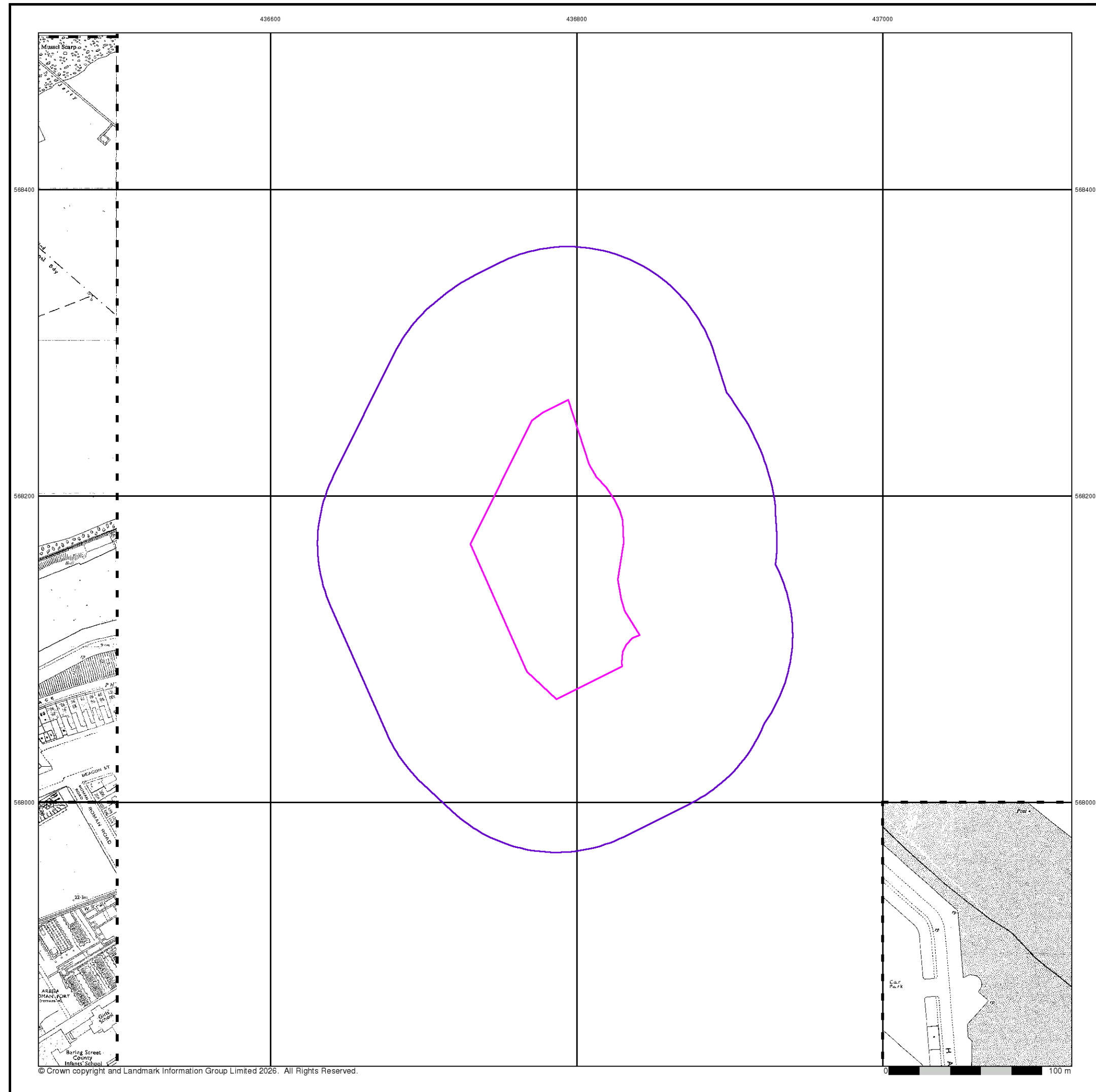
Order Number: 393499865_1_1
Customer Ref: 25-810
National Grid Reference: 436790, 568160
Slice: A
Site Area (Ha): 1.28
Search Buffer (m): 100

Site Details

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Additional SIMs

Published 1979 - 1989

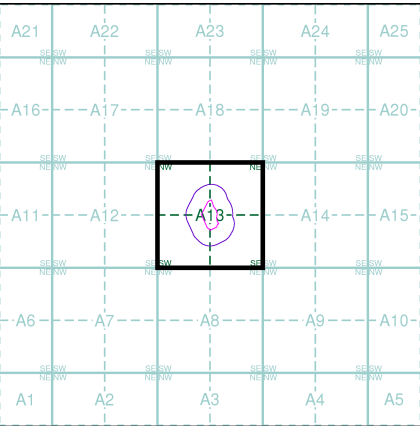
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

QZ3668NW	
1981	
1:1,250	
QZ3668SW	
1989	
1:1,250	
QZ3667NW	QZ3767NW
1979	1988
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

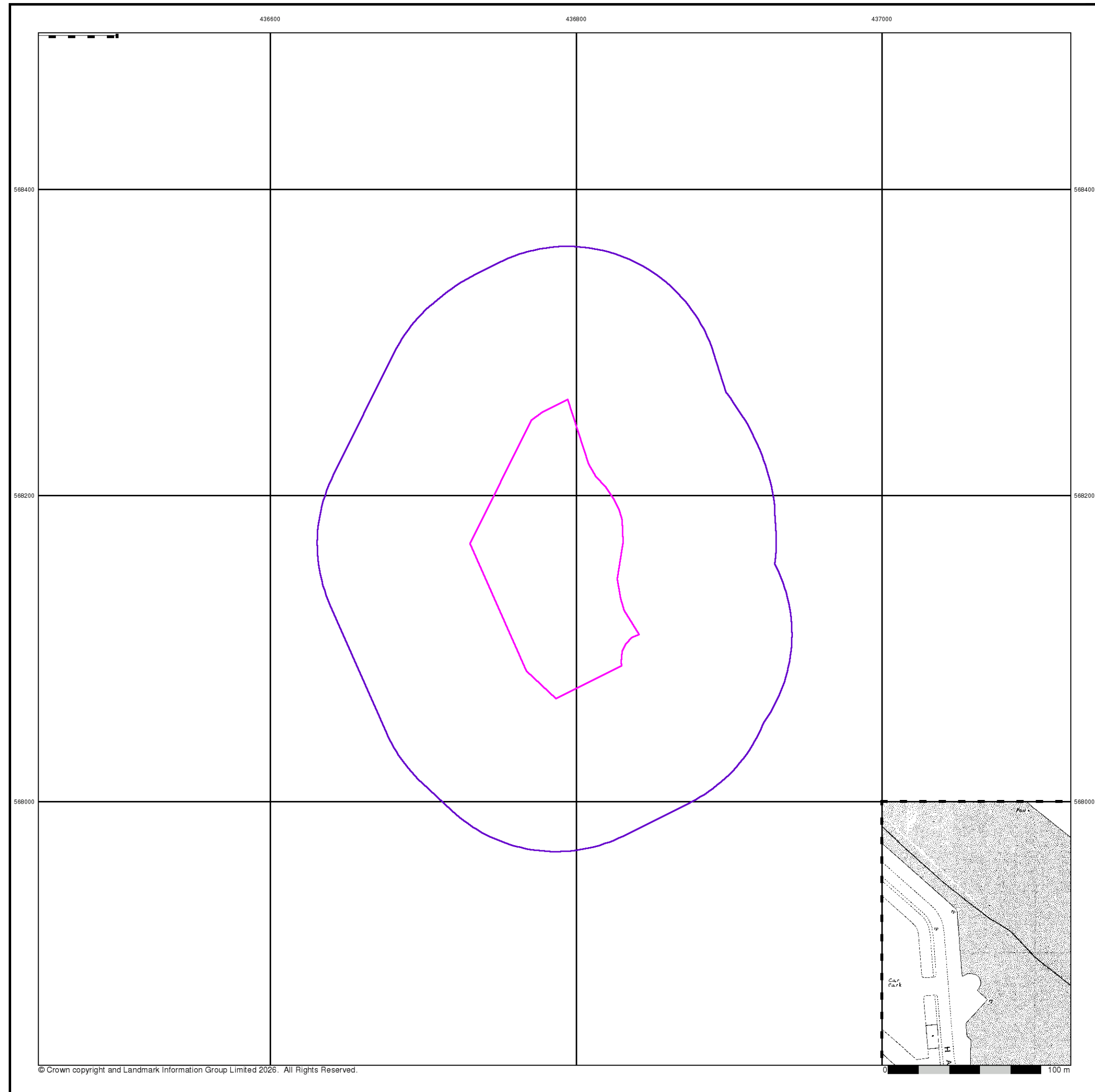
Order Number: 393499865_1_1
Customer Ref: 25-810
National Grid Reference: 436790, 568160
Slice: A
Site Area (Ha): 1.28
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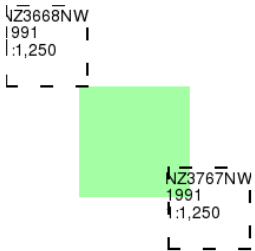
Additional SIMs

Published 1991

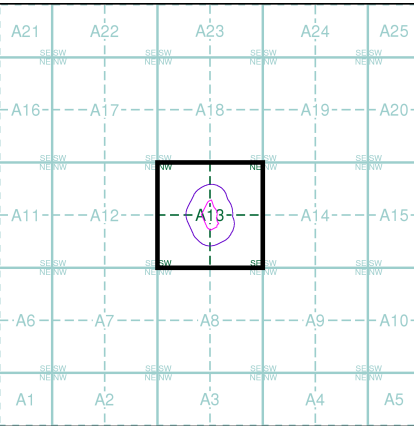
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

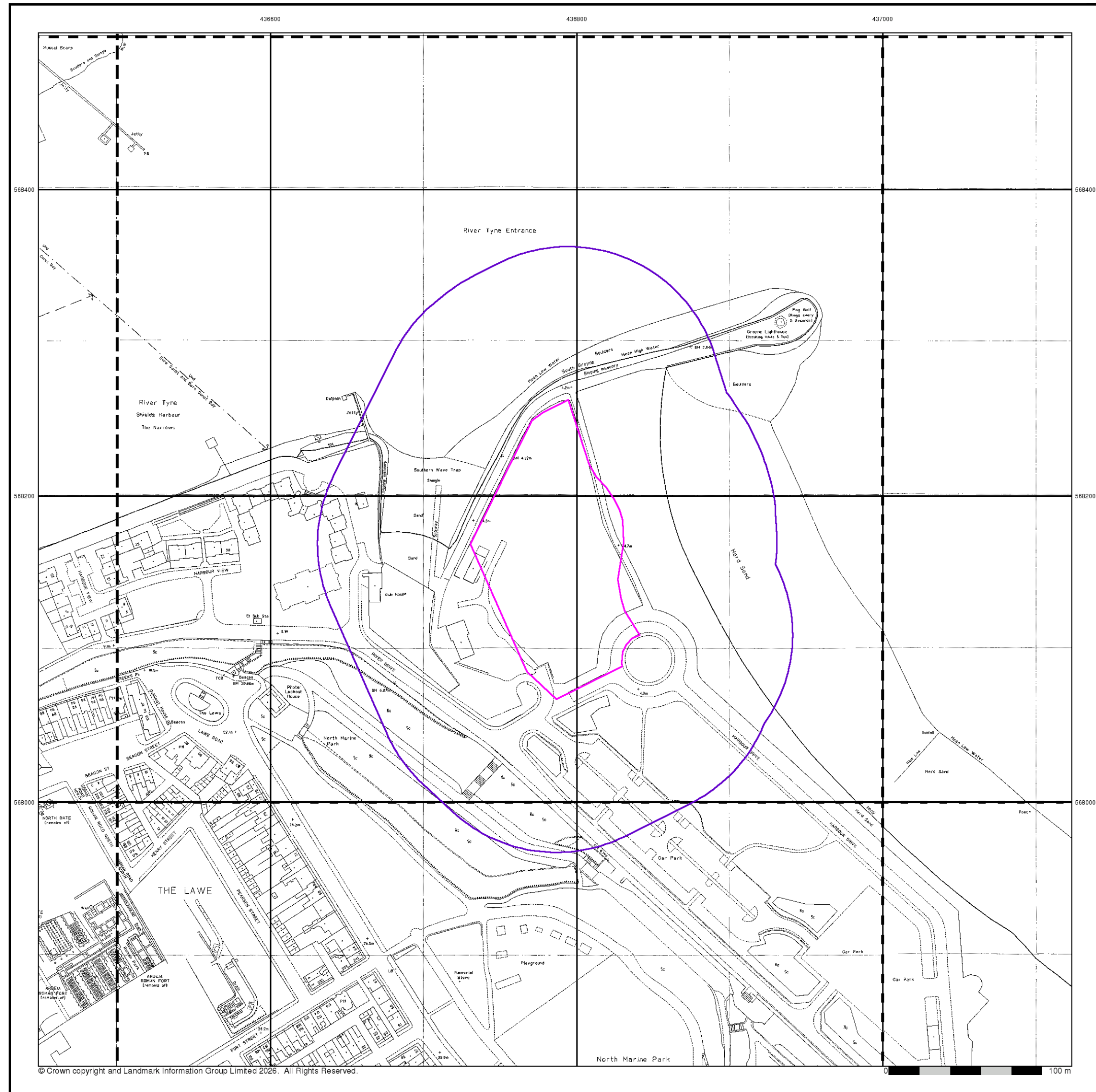
Order Number: 393499865_1_1
Customer Ref: 25-810
National Grid Reference: 436790, 568160
Slice: A
Site Area (Ha): 1.28
Search Buffer (m): 100

Site Details

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Large-Scale National Grid Data

Published 1993

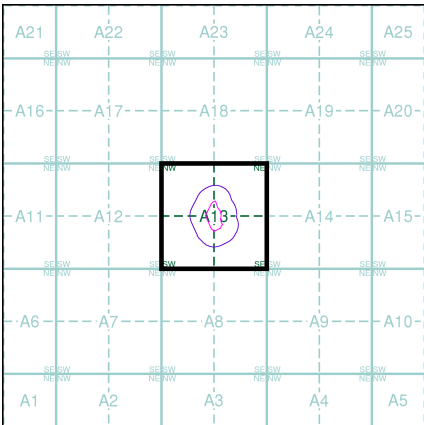
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

QZ3668NW	QZ3668NE	QZ3768NW
1993	1993	1993
1:1,250	1:1,250	1:1,250
QZ3668SW	QZ3668SE	QZ3768SW
1993	1993	1993
1:1,250	1:1,250	1:1,250
QZ3667NW	QZ3667NE	QZ3767NW
1993	1993	1993
1:1,250	1:1,250	1:1,250

Historical Map - Segment A13



Order Details

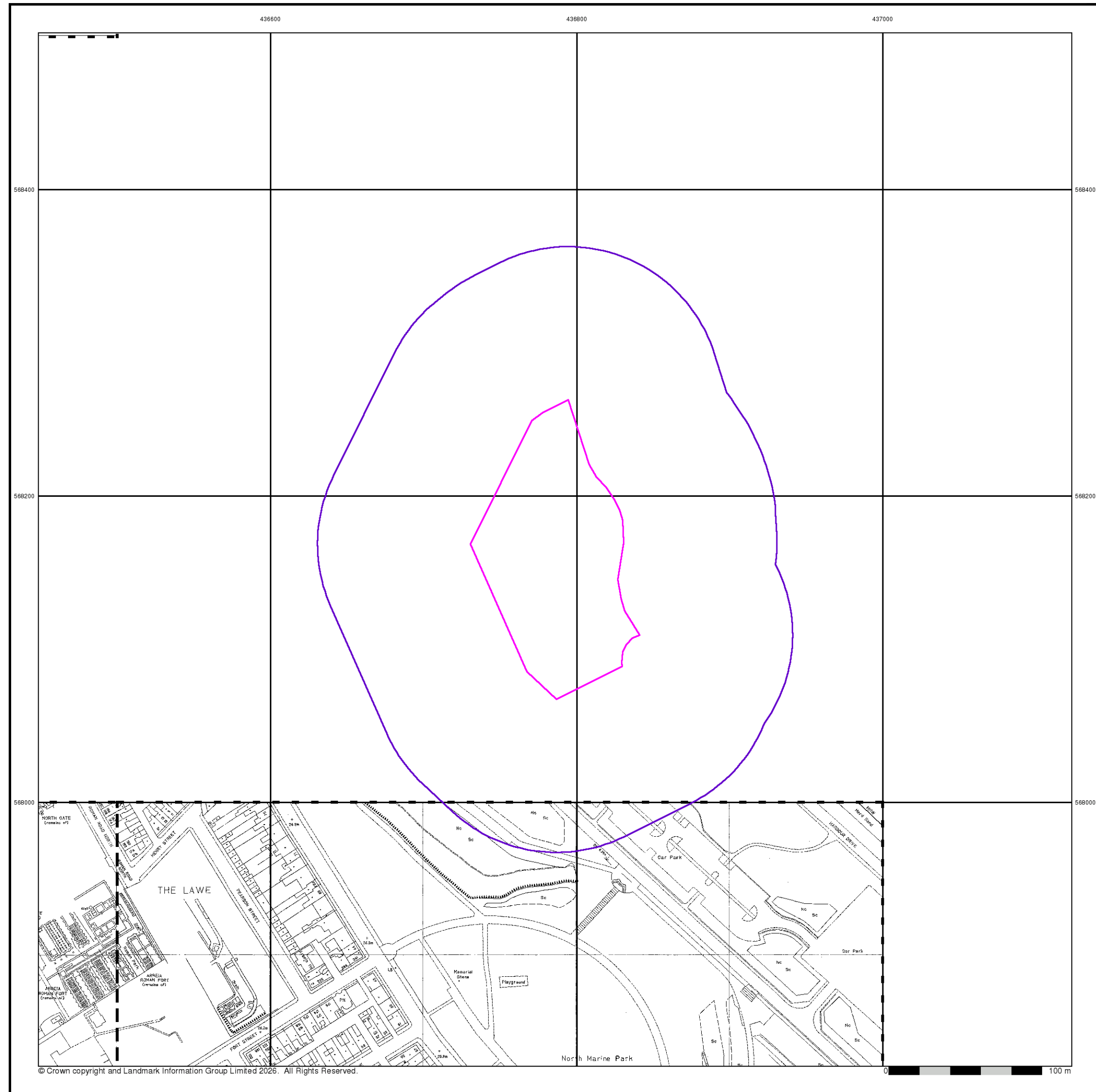
Order Number: 393499865_1_1
Customer Ref: 25-810
National Grid Reference: 436790, 568160
Slice: A
Site Area (Ha): 1.28
Search Buffer (m): 100

Site Details

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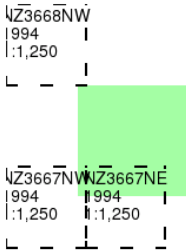
Large-Scale National Grid Data

Published 1994

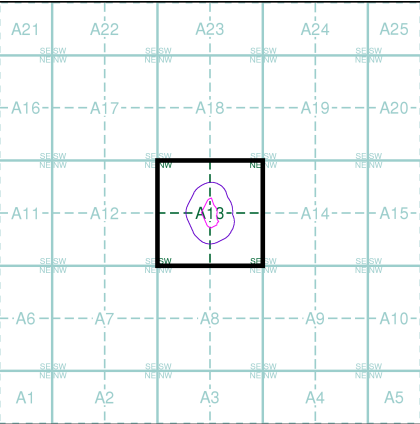
Source map scale - 1:1,250

'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: 393499865_1_1
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National Grid Reference: 436790, 568160
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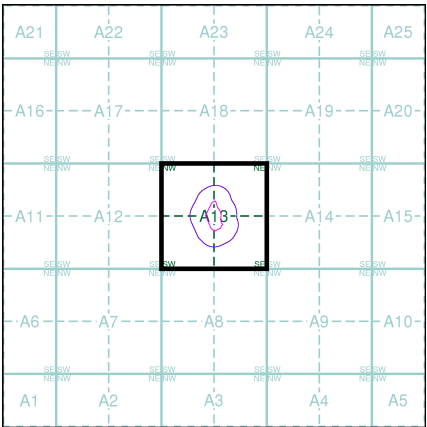


Historical Aerial Photography

Published 1999

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: 393499865_1_1
Customer Ref: 25-810
National Grid Reference: 436790, 568160
Slice: A
Site Area (Ha): 1.28
Search Buffer (m): 100

Site Details

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INFORMATION GROUP

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The 1:528 scale Ordnance Survey mapping was adopted in 1850 as an alternative to the 1:1056 scale, that had been deemed to be inadequate for sanitary planning, which had come very much to the fore following the passing of the Public Health Act of 1948. Around 29 towns in England and Wales were surveyed at this scale, the bulk of which were undertaken between 1850 and 1855. These were predominantly towns that were outside the areas being surveyed at 1:10,560 or 1:2500 scale. As well as showing the details characteristic of the later 1:500 plans, they show features of sanitary interest such as privies, taps, cow houses, cess pits, brew and bake houses and cart sheds and stables.

Please note: Due to the partial coverage of Historical Town Plans, it is possible that not all segments within an order will contain mapping. Only the segments that have Town Plan coverage will be generated.

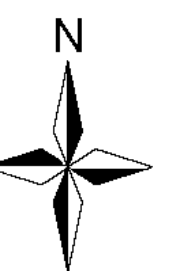
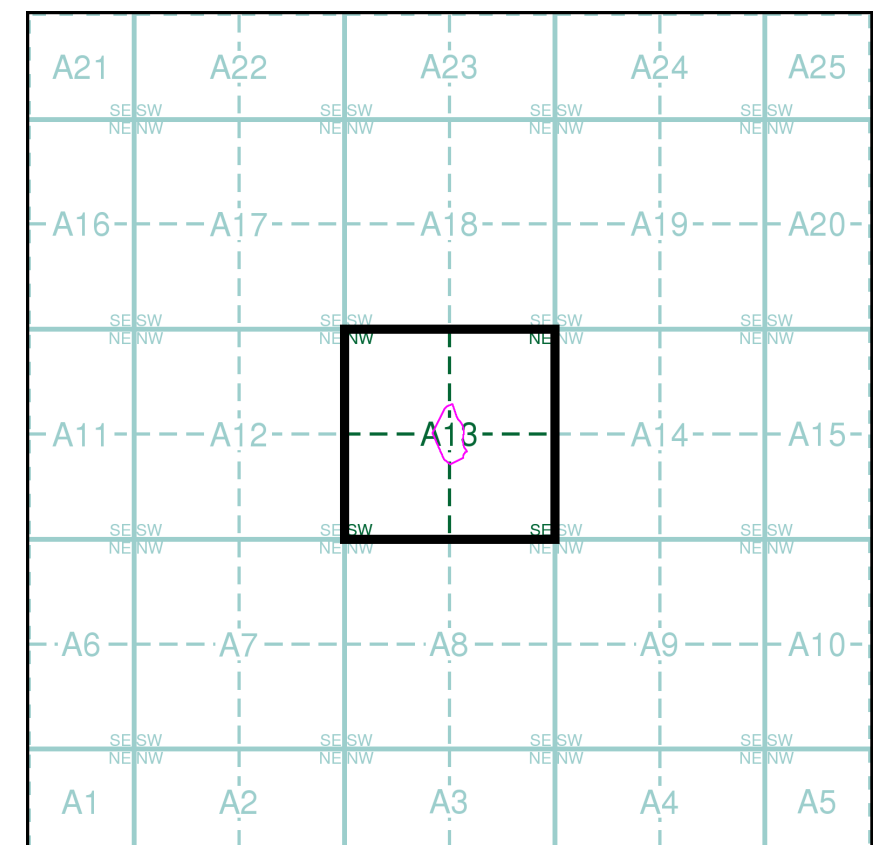
Map Name(s) and Date(s)

$$\begin{array}{r} \overline{000} \overline{00} \overline{020} \\ 1860 \\ | 1:528 \end{array} \quad |$$

$$\begin{array}{r} \overline{000} \overline{00} \overline{024} \\ 1857 \\ | 1:528 \end{array} \quad |$$

$$\begin{array}{r} \overline{000} \overline{00} \overline{028} \\ 1857 \\ | 1:528 \end{array} \quad |$$

Historical Town Plan - Segment A13

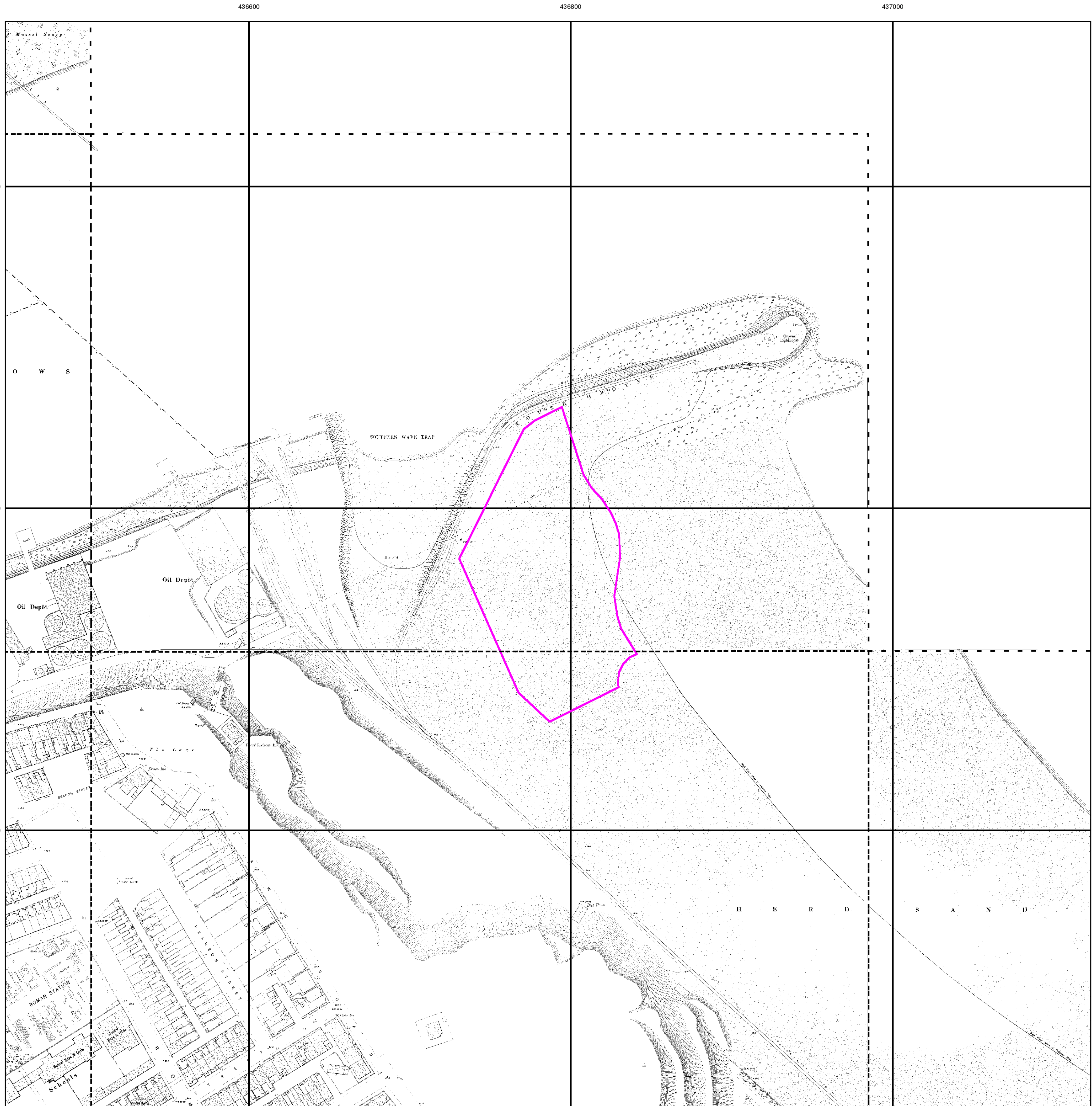


Order Details

Order Number: 393499865_1_1
Customer Ref: 25-810
National Grid Reference: 436790, 568160
Slice: A
Site Area (Ha): 1.28
Search Buffer (m): 0

Site Details

Little Haven Hotel, River Drive, South Shields, NE33 1LH



Northumberland

Published 1896

Source map scale - 1:500

The 1:500 scale Ordnance Survey mapping was introduced in 1855 as a replacement for the 1:528 scale and to complement the 1:2500 scale that had been implemented in 1853. By 1895, the 1:500 scale covered most towns over a population of about 4000 at the time of survey, although very few towns were mapped more than once at this scale, and none have been since 1910. The 1:500 scale gives particular emphasis to such features as lamp posts, man holes, arched passages and minor building projections. Also often featured are divisions between tenements, interior ground floor layouts of public buildings, and on earlier plans, the functions of the various parts of larger industrial premises are also indicated. Content of the plans does vary however, from one town to the next in terms of, for example, the completeness of railway tracks and the coverage of public buildings.

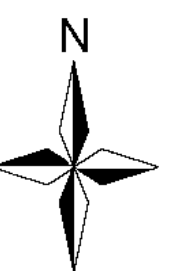
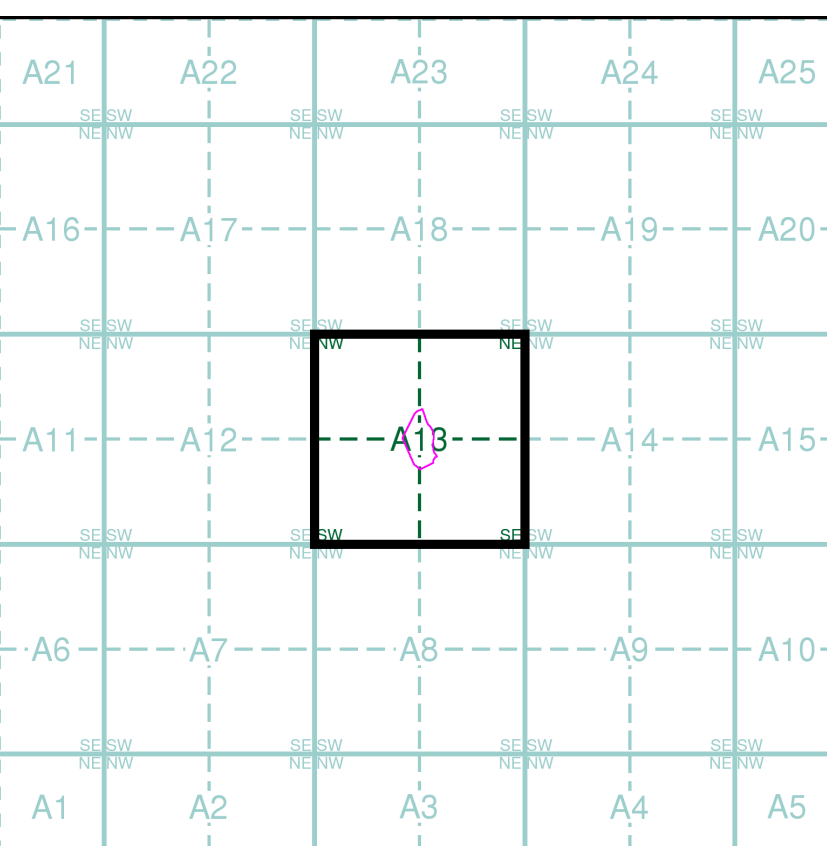
Please note: Due to the partial coverage of Historical Town Plans, it is possible that not all segments within an order will contain mapping. Only the segments that have Town Plan coverage will be generated.

Map Name(s) and Date(s)

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graph TD
    A["000_00_022  
1896  
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Historical Town Plan - Segment A13



Order Details

Order Number: 393499865_1_1
Customer Ref: 25-810
National Grid Reference: 436790, 568160
Slice: A
Site Area (Ha): 1.28
Search Buffer (m): 0

Site Details

Little Haven Hotel, River Drive, South Shields, NE33 1LH

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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Gravel Pit

Sand Pit

Other Pits

Quarry

Shingle

Orchard

Osiers

Reeds

Marsh

Mixed Wood

Deciduous

Brushwood

Fir

Furze

Rough Pasture

Arrow denotes flow of water

Trigonometrical Station

Site of Antiquities

Bench Mark

Pump, Guide Post, Signal Post

Well, Spring, Boundary Post

-285 Surface Level

Sketched Contour

Instrumental Contour

Main Roads

Fenced

Un-Fenced

Minor Roads

Fenced

Un-Fenced

Sunken Road

Raised Road

Road over Railway

Railway over River

Railway over Road

Level Crossing

Road over River or Canal

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

Ch Church

CH Club House

F E Sta Fire Engine Station

FB Foot Bridge

Fn Fountain

GP Guide Post

MP Mile Post

MS Mile Stone

Pol Sta Police Station

PO Post Office

PC Public Convenience

PH Public House

SB Signal Box

Spr Spring

TCB Telephone Call Box

TCP Telephone Call Post

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

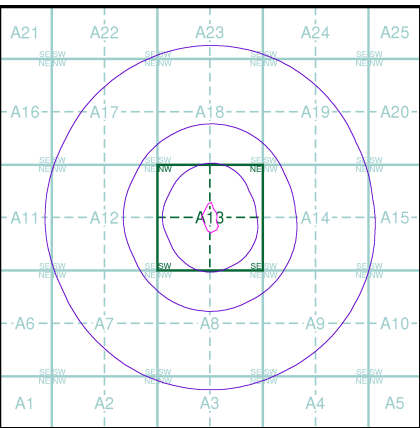
Important Building



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Durham	1:10,560	1862	3
Northumberland	1:10,560	1865	4
Durham	1:10,560	1898	5
Northumberland	1:10,560	1899	6
Northumberland	1:10,560	1920 - 1921	7
Northumberland	1:10,560	1920	8
Durham	1:10,560	1921	9
Durham	1:10,560	1938	10
Northumberland	1:10,560	1938	11
Ordnance Survey Plan	1:10,000	1952	12
Ordnance Survey Plan	1:10,000	1967	13
Ordnance Survey Plan	1:10,000	1976	14
Newcastle-upon-Tyne	1:25,000	1977	15
Ordnance Survey Plan	1:10,000	1986	16
Ordnance Survey Plan	1:10,000	1993	17
10K Raster Mapping	1:10,000	2000	18
10K Raster Mapping	1:10,000	2006	19
VectorMap Local	1:10,000	2025	20

Historical Map - Slice A



Order Details

Order Number: 393499865_1_1
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Slice: A
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Search Buffer (m): 1000

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Russian Military Mapping Legends

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

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings

Military and Industrial Buildings

Military and Communication Areas

Subway Entrance

Fireproof Building

Prominent Fireproof Building

Non-fireproof Building

Non-fireproof Building (non-dwelling)

Factory, mill, and flour mill, with chimneys

Factory, mill, and flour mill, without chimneys

Power Station, drawn to scale

Hydroelectric Power Station

Radio Station, drawn to scale

Telephone Station, drawn to scale

Abandoned Open-pit Mine or Quarry

Open-pit Salt Mine

Pit

Oil Deposit or Well

Oil Seepage

Tailings Pile

Fuel Storage Tanks

Natural Gas Tank

Bench Mark

Drill Hole

Burial Mound

Triangulation Point on Burial Mound

Single-track Railroad

Double-track Railroad and Station Building

Coniferous Forest

Deciduous Forest

Mixed Forest

Lawns

Citrus Orchard

Wet Ground

Scattered Vegetation

243.8 Values for prominent elevations

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

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

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

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

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

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings

Military and Industrial Buildings

Military and Communication Areas

Subway Entrance

Partly Demolished Buildings

Demolished Buildings

Built-Up Area with Fireproof Buildings Predominant

Built-Up Area with Non-Fireproof Buildings Predominant

Individual Fireproof Building

Prominent Industrial Building

Individual Dwelling, Fireproof

Ruins of an Individual Dwelling

Factory or Mill Chimney

Factory or Mill with Chimney

Factory or Mill without Chimney

Mine or Open Pit Mine

Operating Shaft or Mine

Non-Operating Shaft or Mine

Salt Mine

Tailings Pile

Pit

Stone Quarry

Gas Pump or Service Station

Fuel Storage or Natural Gas Tank

Oil or Natural Gas Derrick

Small Hydroelectric Power Station

Power Station

Transformer Station

Cemetery

Burial Mound (height in metres)

Triangulation Point on Burial Mound

Triangulation Point

Bench Mark

Bench Mark (monumented)

Telegraph Office

Telephone Station

Radio Station

Radio Tower

Airfield or Seaplane Base

Landing Strip

Telegraph/Telephone Lines

Main Highway

Highway under Construction

Improved Dirt Road (former truck road)

Double-track Railroad with First Class Station

Railroad Under Construction

Shore Embankment

River or Ditch with Embankment

Direction and velocity of current

Water Gauge

Water Level Mark

Well

Water Reservoir or Rain Water Pit

Spring

Isobath with value

Heavy (Index) Contour Line

Contour Line and Value

Half Contour Line

Spot Elevation Value

Coniferous

Deciduous

Mixed

Scrub

Key to Numbers on Mapping

NZ36_Newcastle

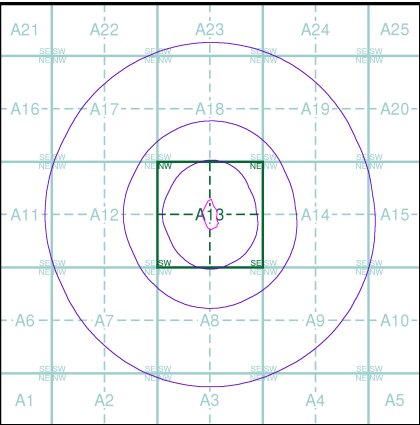
No.	Description
64	Factory (Ship Repairs)
134	Storage (Flammable And Lubricant Materials)
145	Warehouses (Use Unknown) And Port Buildings
147	Railway Station (Freight)



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Durham	1:10,560	1862	3
Northumberland	1:10,560	1865	4
Durham	1:10,560	1898	5
Northumberland	1:10,560	1899	6
Northumberland	1:10,560	1920 - 1921	7
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10K Raster Mapping	1:10,000	2000	18
10K Raster Mapping	1:10,000	2006	19
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Russian Map - Slice A



Order Details

Order Number: 393499865_1_1
Customer Ref: 25-810
National Grid Reference: 436790, 568160
Slice: A
Site Area (Ha): 1.28
Search Buffer (m): 1000

Site Details

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



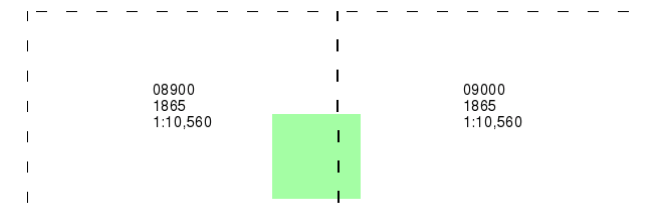
Northumberland

Published 1865

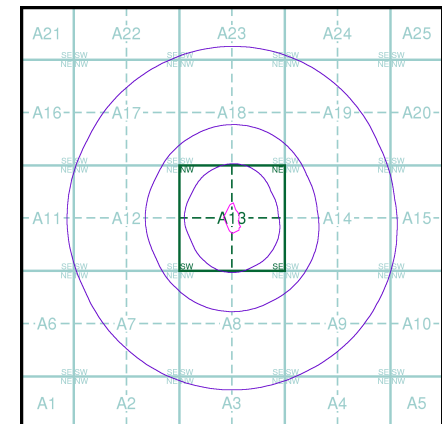
Source map scale - 1:10,560

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

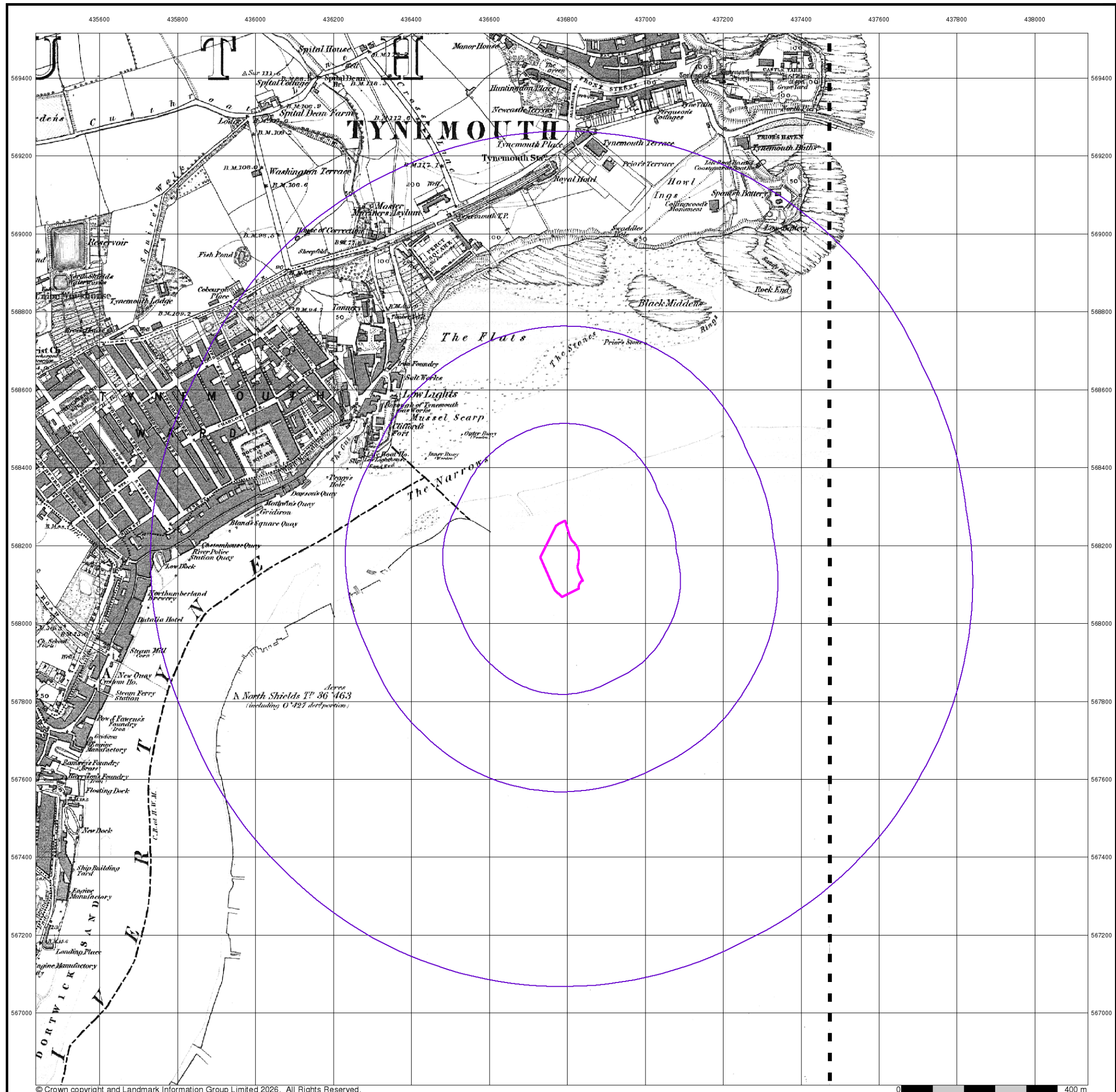
Order Number: 393499865_1_1
Customer Ref: 25-810
National Grid Reference: 436790, 568160
Slice: A
Site Area (Ha): 1.28
Search Buffer (m): 1000

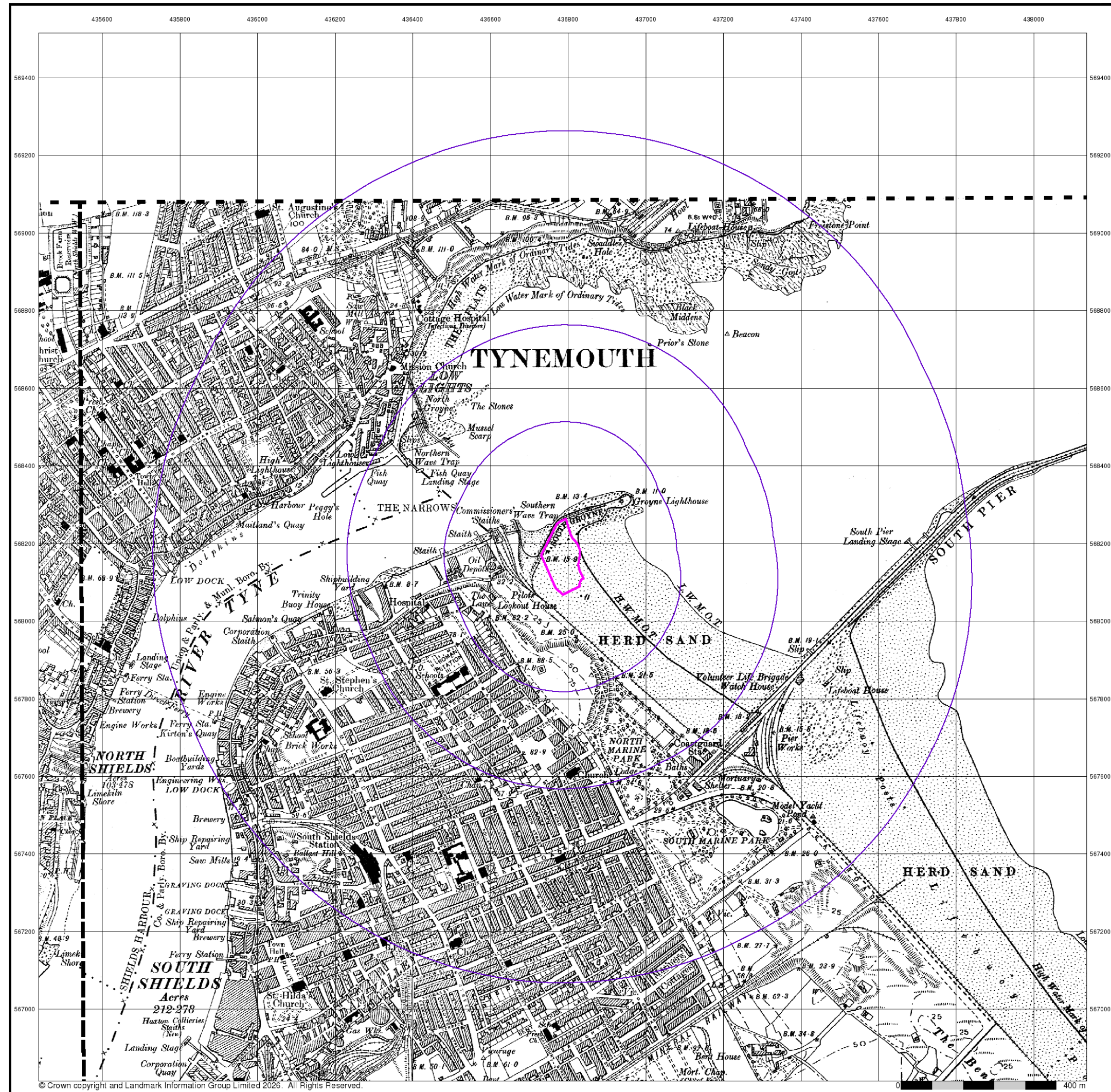
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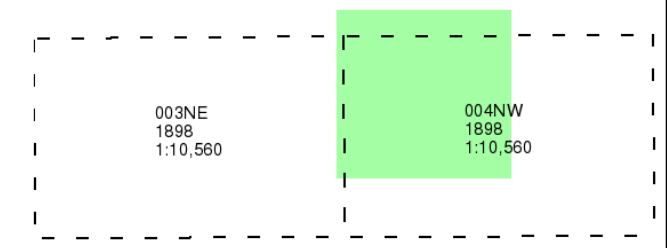
Durham

Published 1898

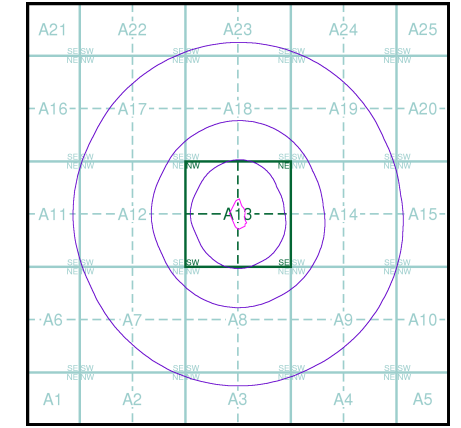
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

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National Grid Reference: 436790, 568160
Slice: A
Site Area (Ha): 1.28
Search Buffer (m): 1000

Site Details

Little Haven Hotel, River Drive, South Shields, NE33 1LH

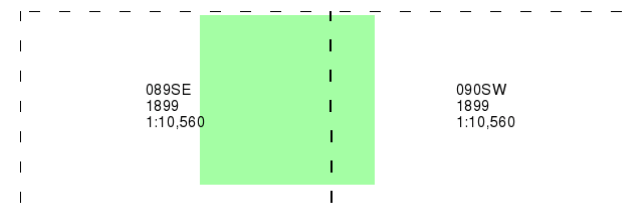


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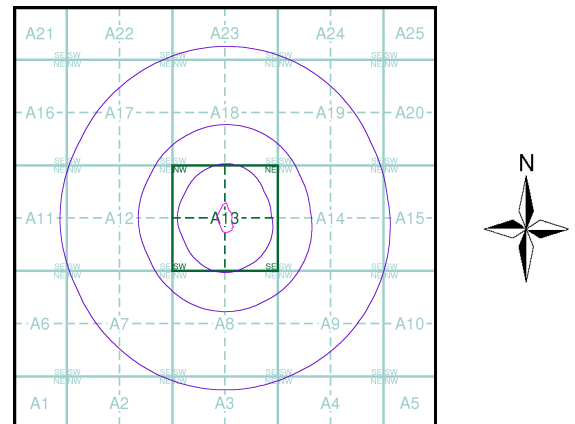


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Historical Map - Slice A



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Northumberland

Published 1920 - 1921

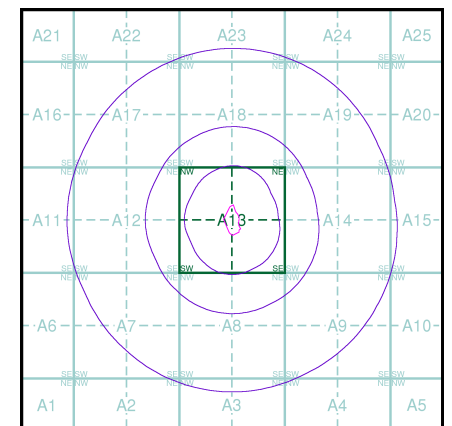
Source map scale - 1:10,560

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)

086SE	087SW
1920	1921
1:10,560	1:10,560

Historical Map - Slice A



Order Details

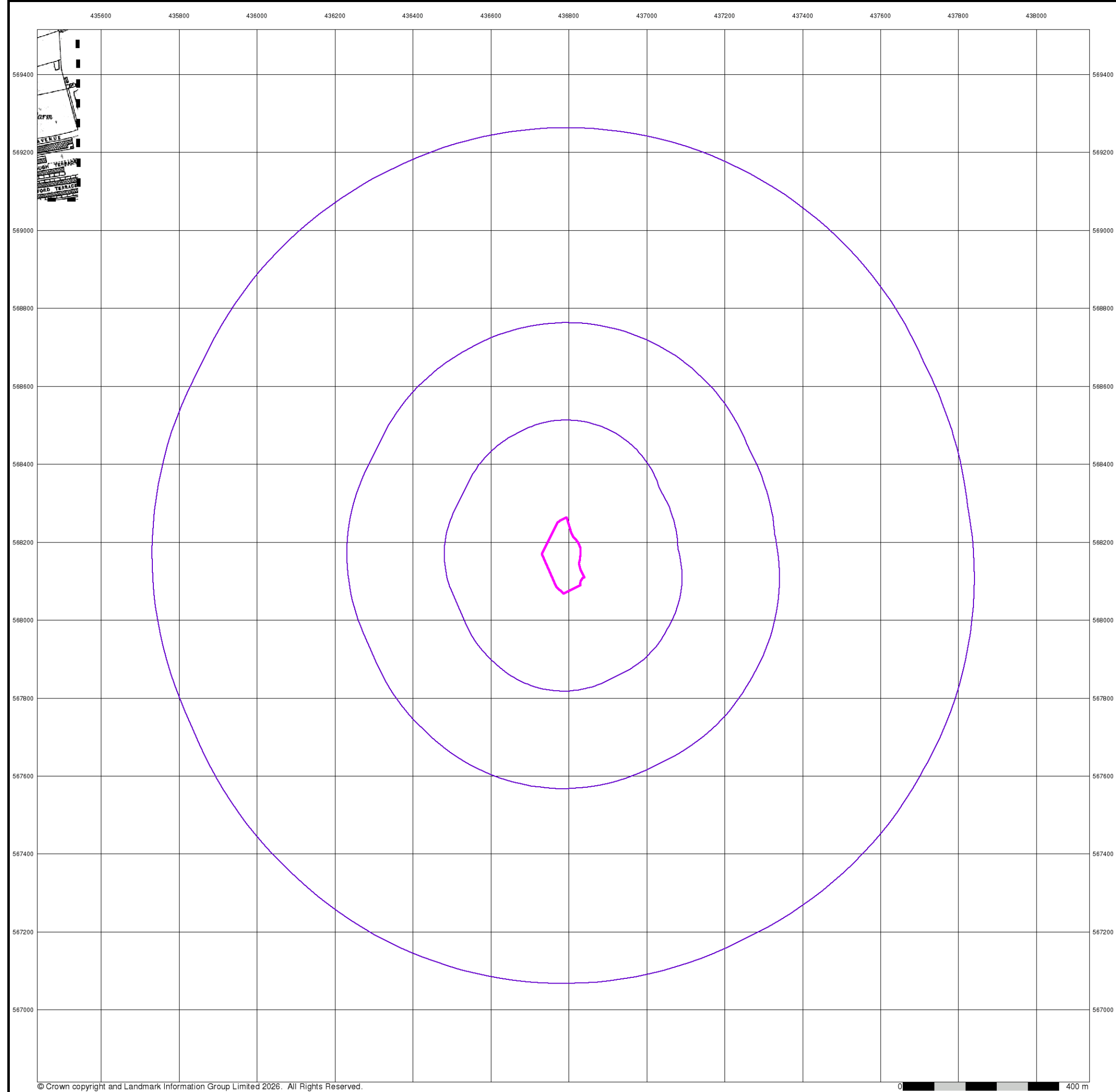
Order Number: 393499865_1_1
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Landmark
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Northumberland

Published 1920

Source map scale - 1:10,560

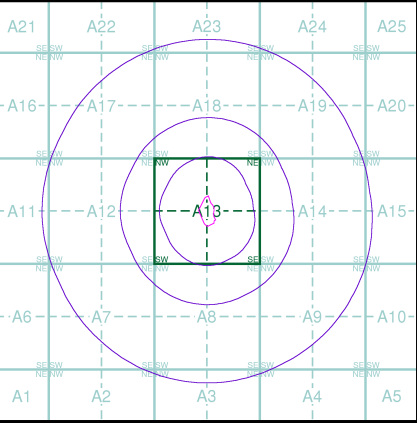
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some 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)

086SE
1920
1:10,560



Historical Map - Slice A



Order Details

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National Grid Reference: 436790, 568160
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Site Details

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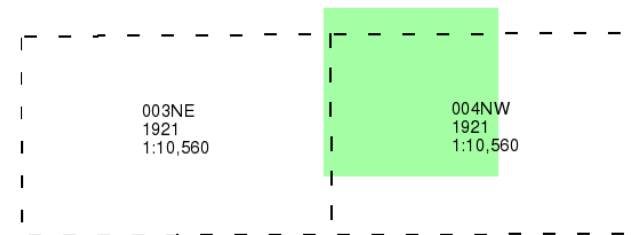


Published 1921

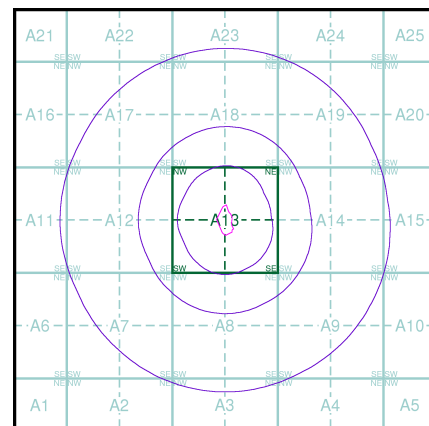
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

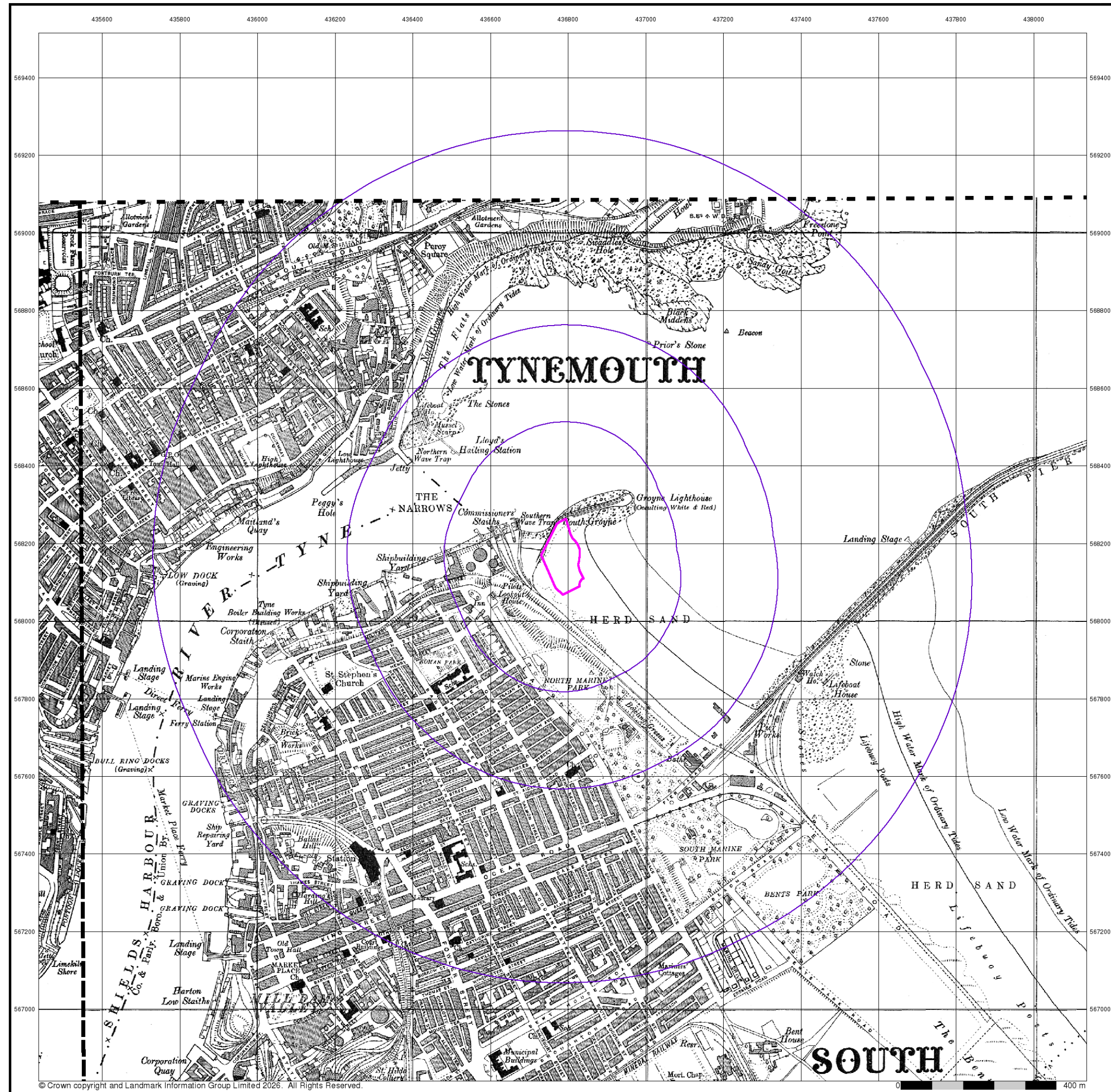
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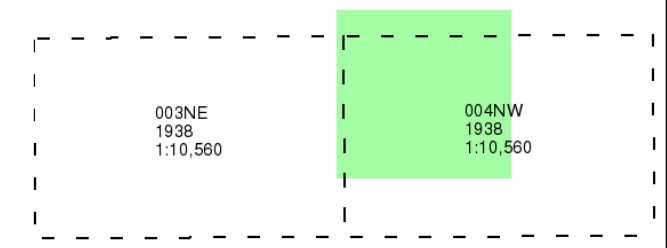
Durham

Published 1938

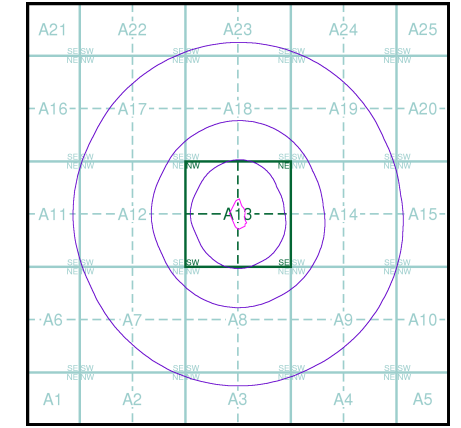
Source map scale - 1:10,560

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)



Historical Map - Slice A



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Northumberland

Published 1938

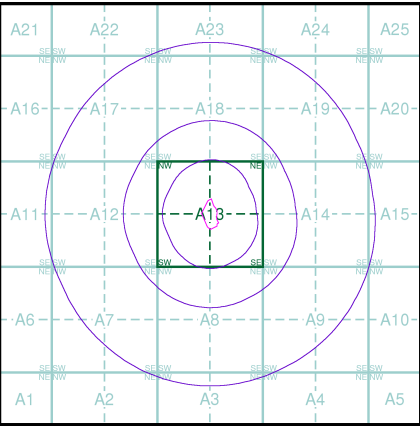
Source map scale - 1:10,560

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Map Name(s) and Date(s)

086SE	087SW
1938	1938
1:10,560	1:10,560

Historical Map - Slice A



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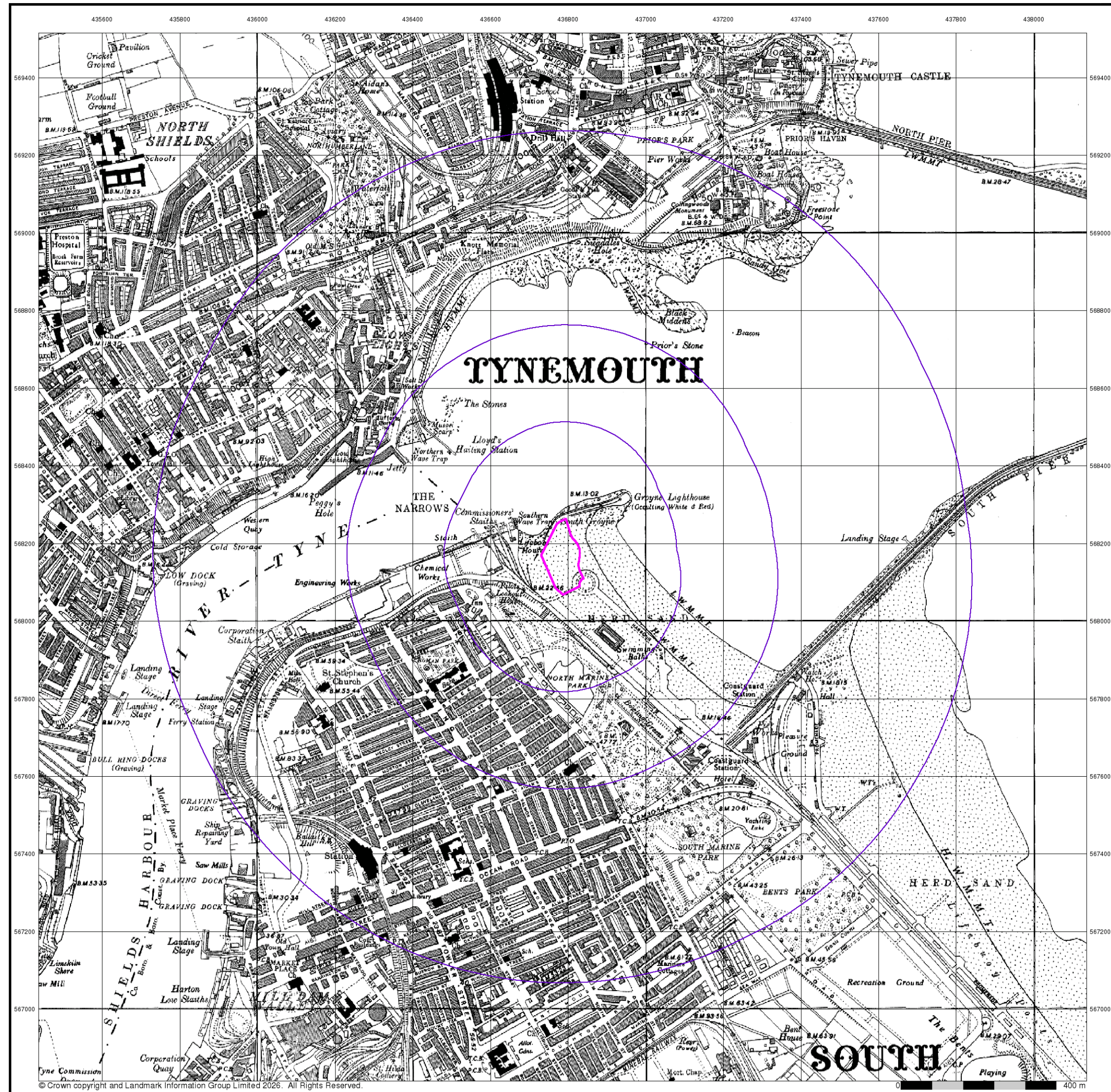
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National Grid Reference: 436790, 568160
Slice: A
Site Area (Ha): 1.28
Search Buffer (m): 1000

Site Details

Little Haven Hotel, River Drive, South Shields, NE33 1LH



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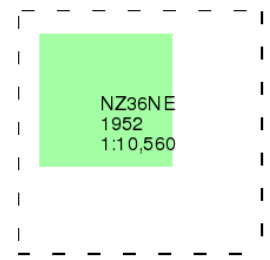
Ordnance Survey Plan

Published 1952

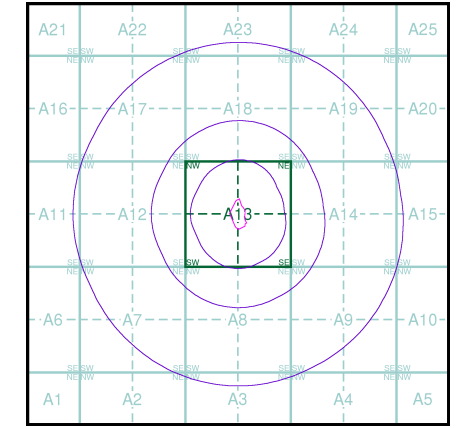
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

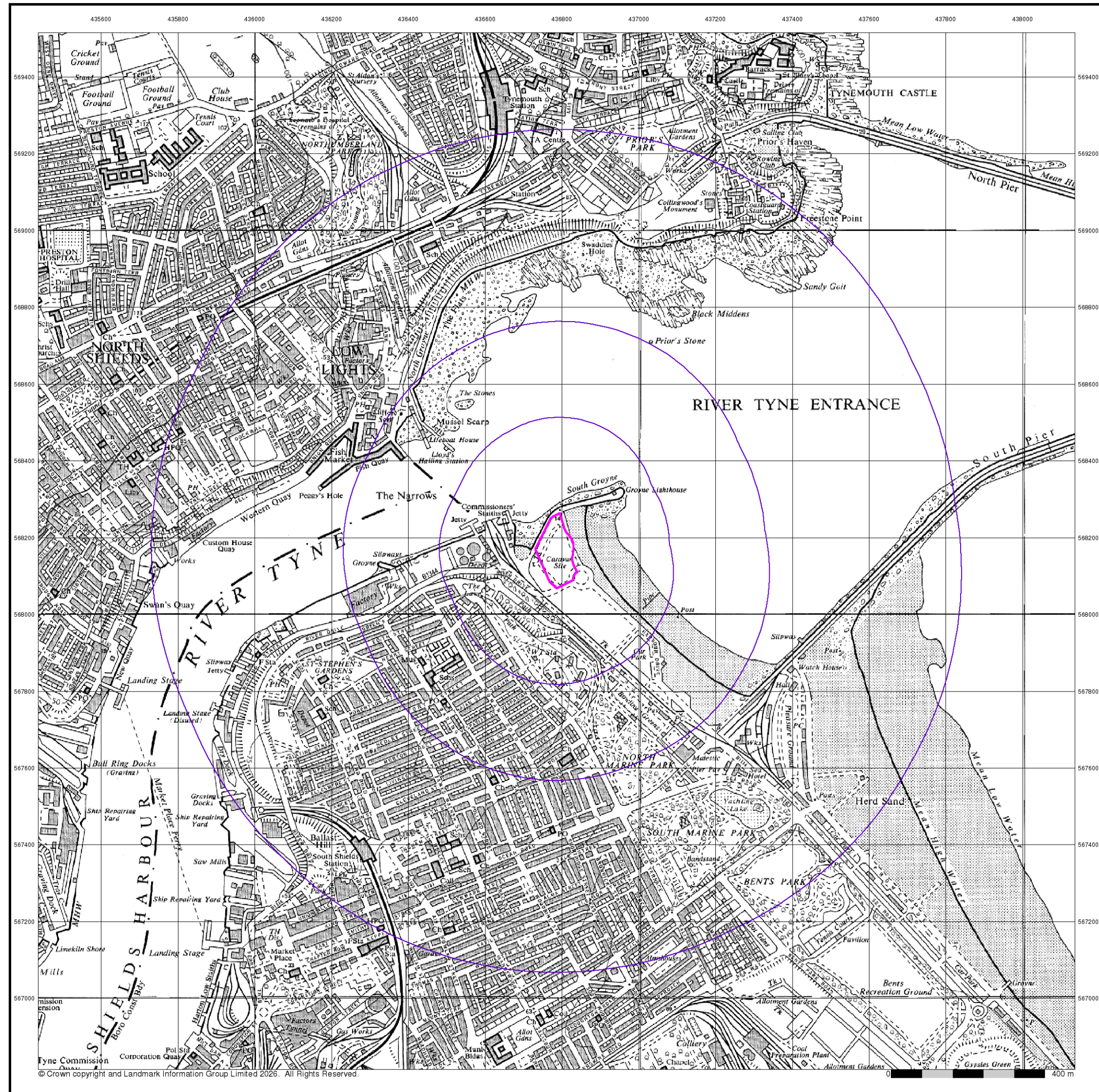
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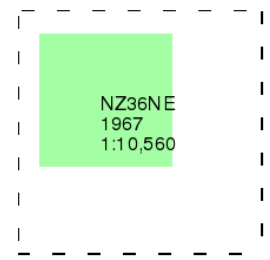
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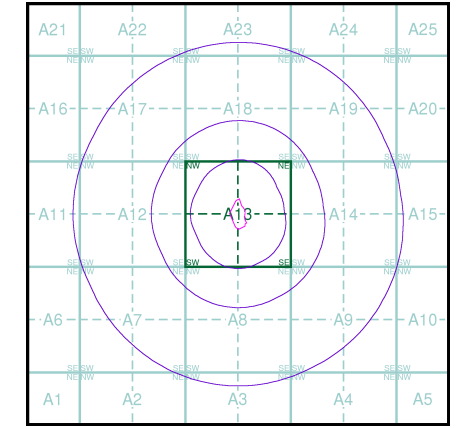
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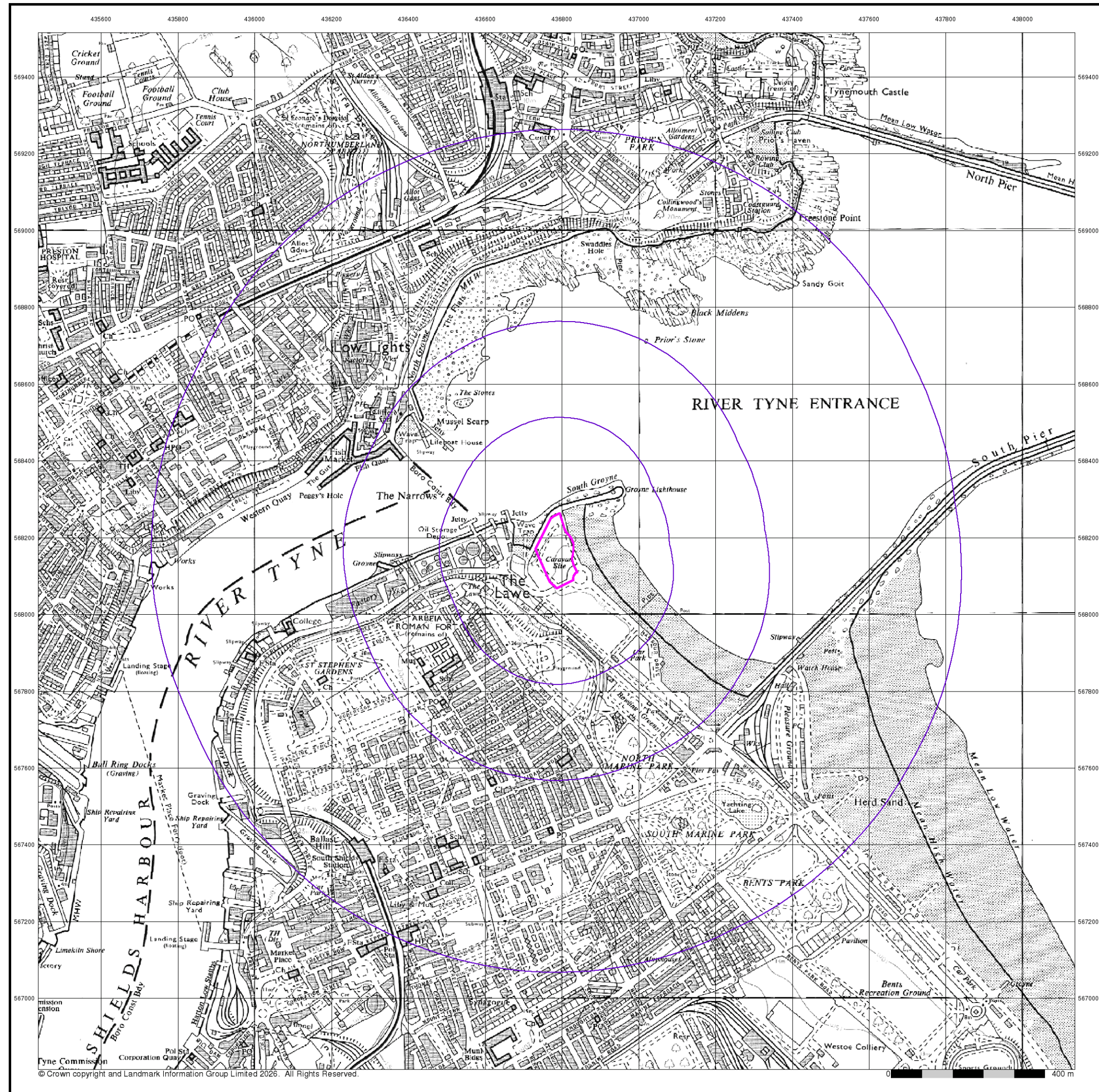


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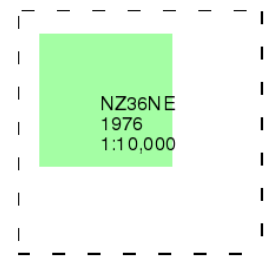
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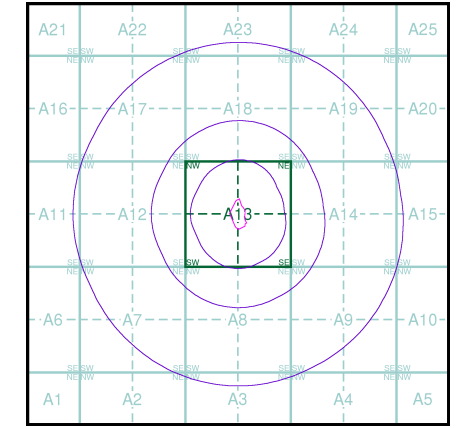
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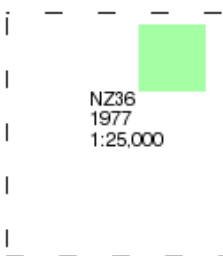
Newcastle-upon-Tyne

Published 1977

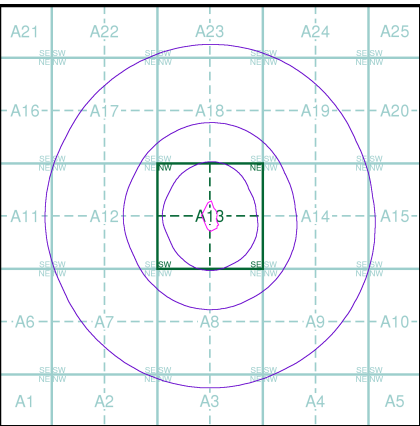
Source map scale - 1:25,000

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

Map Name(s) and Date(s)



Russian Map - Slice A



Order Details

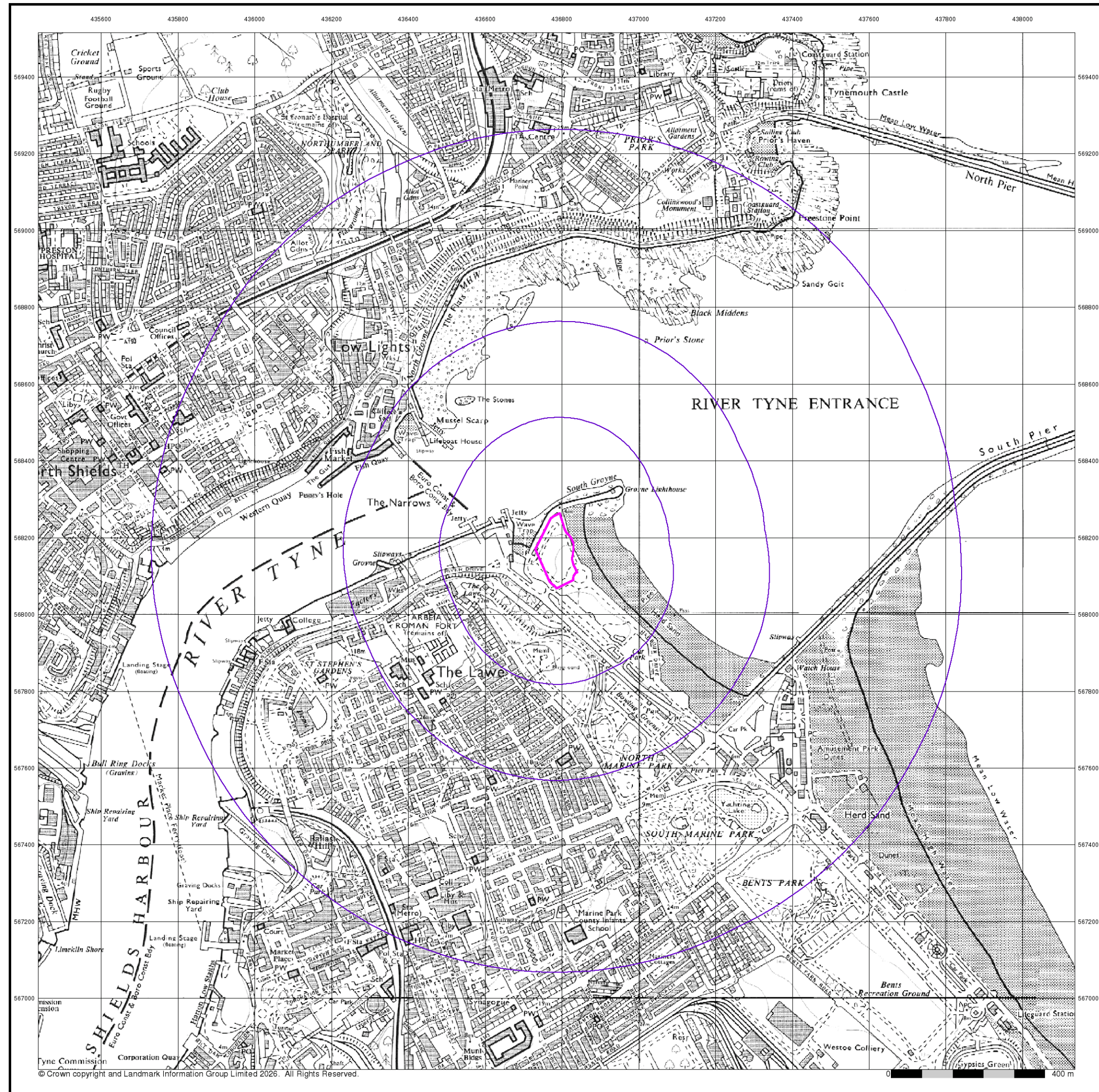
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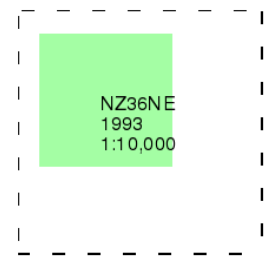
Ordnance Survey Plan

Published 1993

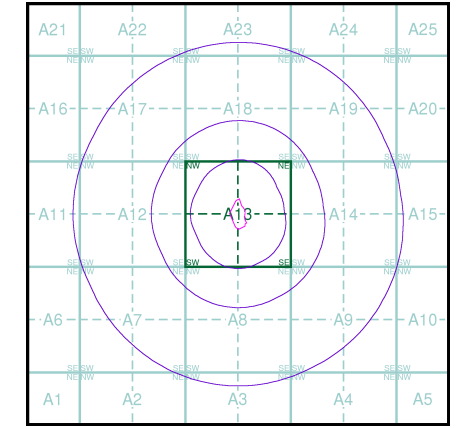
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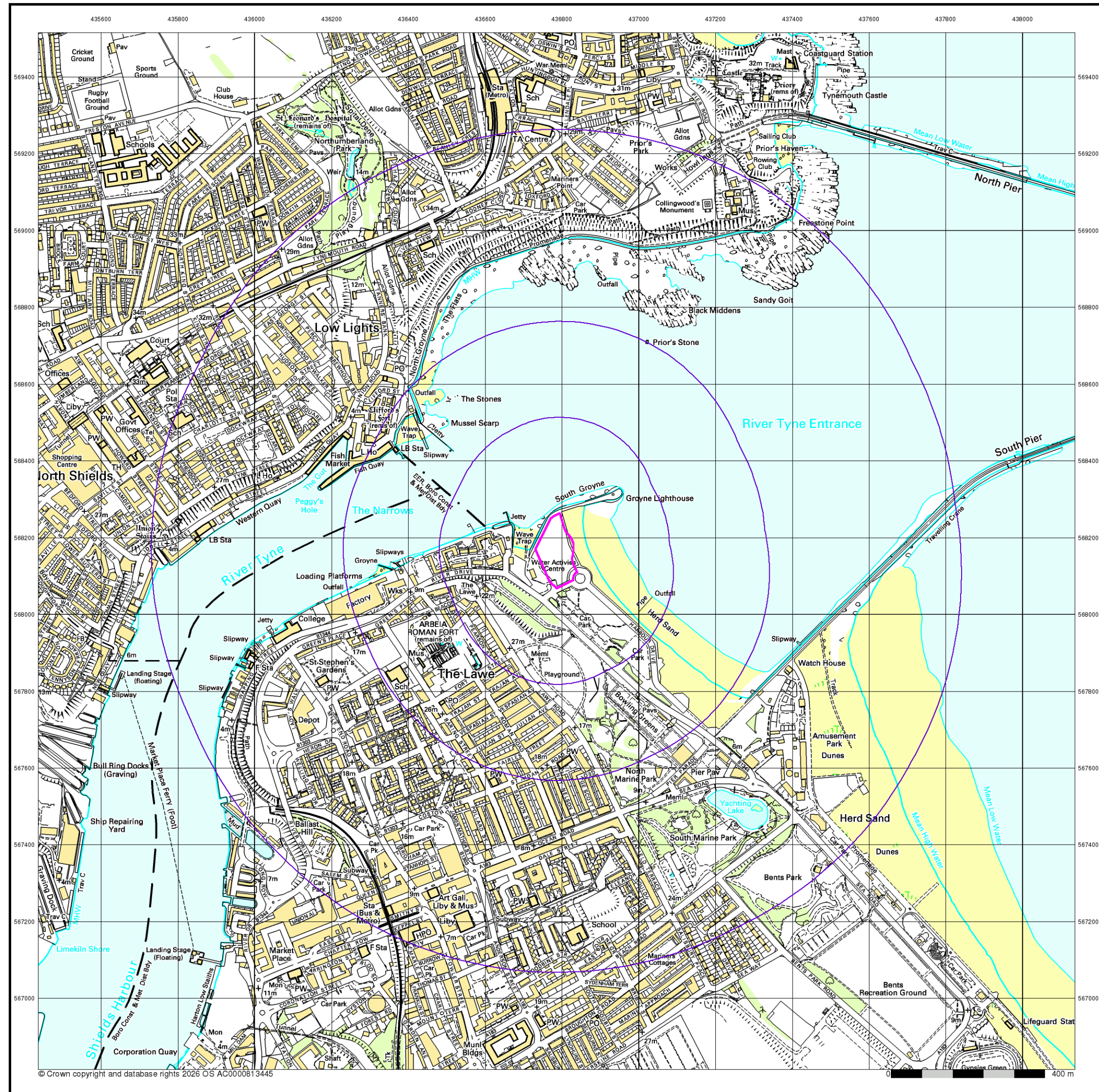
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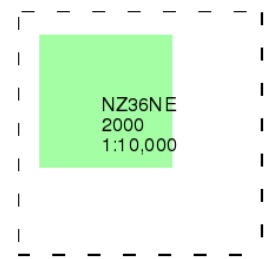
10k Raster Mapping

Published 2000

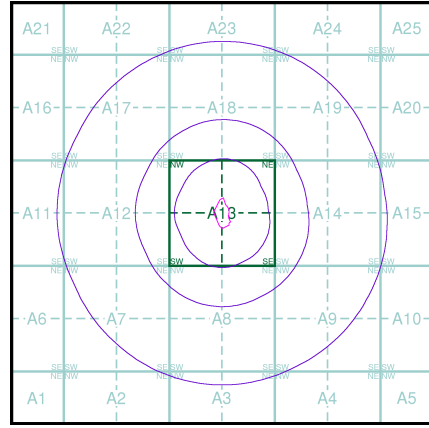
Source map scale - 1:10,000

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)



Historical Map - Slice A



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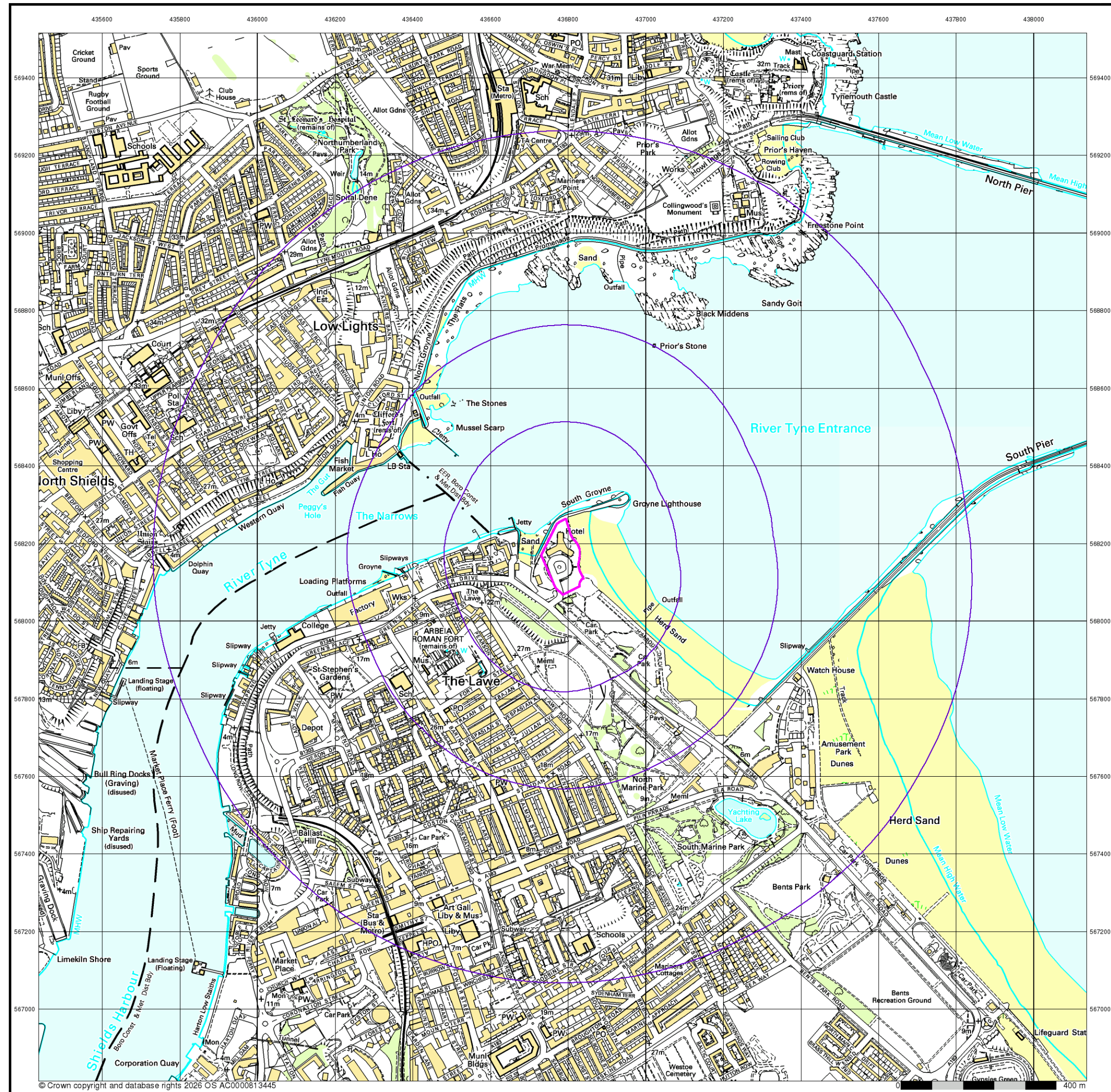
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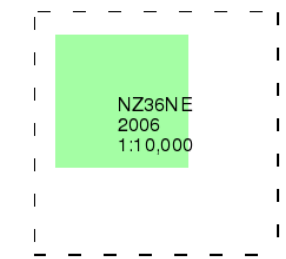
10k Raster Mapping

Published 2006

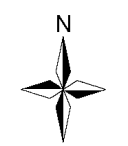
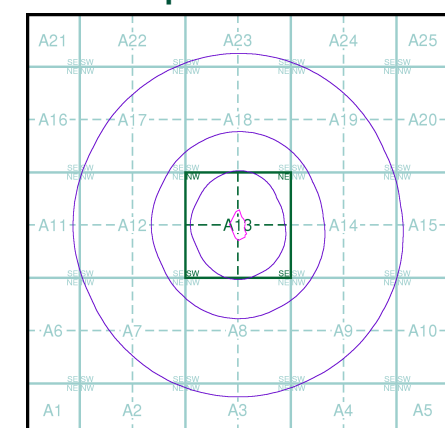
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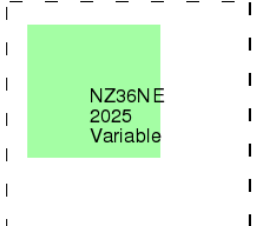
VectorMap Local

Published 2025

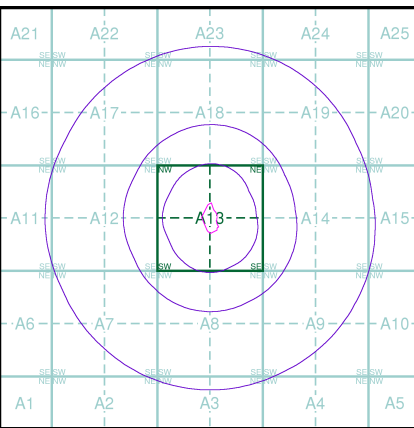
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



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Detailed Unexploded Ordnance (UXO) Risk Assessment

Project Name: Little Haven Hotel

Prepared for: Arc Environmental Limited

Prepared by: R. Butcher

Site: Little Haven Hotel, South Shields, NE33 1LH

Date: 23/01/2026

Document Name: INO6194 – Detailed UXO Risk Assessment – Little Haven Hotel

Version: INO6194-001

Reviewed By: K. Kneebone

Approved By: C. Reid

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- A-2: SITE LOCATION
- A-3: AERIAL PHOTOGRAPHY
- A-4: AERIAL PHOTOGRAPHY
- A-5: CONSOLIDATED BOMB STRIKES
- A-6: ALLIED DEFENSIVE FEATURES
- A-7: LUFTWAFFE TARGET MAP
- A-8: NORTH-EAST ENGLAND BOMB STRIKE LOCATIONS
- B-1: EXAMPLES OF ANTI-AIRCRAFT PROJECTILES
- B-2: EXAMPLES OF ANTI-AIRCRAFT PROJECTILES
- B-3: LAND SERVICE AMMUNITION - ROCKETS
- C-1: HIGH EXPLOSIVE BOMBS
- C-2: HIGH EXPLOSIVE BOMBS
- C-3: INCENDIARY BOMBS
- D-1: EXAMPLES OF LAND SERVICE AMMUNITION - MORTARS
- D-2: EXAMPLES OF LAND SERVICE AMMUNITION - MORTARS
- D-3: EXAMPLES OF LAND SERVICE AMMUNITION - MORTARS
- D-4: EXAMPLES OF LAND SERVICE AMMUNITION - MORTARS
- D-5: EXAMPLES OF LAND SERVICE AMMUNITION - GRENADES
- D-6: EXAMPLES OF LAND SERVICE AMMUNITION - GRENADES
- D-7: EXAMPLES OF LAND SERVICE AMMUNITION - GRENADES
- D-8: EXAMPLES OF LAND SERVICE AMMUNITION – GRENADES
- E-1: EXAMPLES OF SMALL ARMS AMMUNITION
- E-2: EXAMPLES OF SMALL ARMS AMMUNITION
- E-3: EXAMPLES OF SMALL ARMS AMMUNITION

Acronyms & Abbreviations

AA	Anti-Aircraft	GI	Ground Investigation	OS	Ordnance Survey
AAA	Anti-Aircraft Ammunition	GIS	Geographic Information Systems	PM	Parachute Mine
ALARP	As Low As Reasonably Practicable	GL	Ground Level	PoW	Prisoner of War
AOD	Above Ordnance Datum	GP	General Purpose	RADAR	Radio Detection And Ranging
ARP	Air Raid Precaution	GPS	Global Positioning Systems	RAF	Royal Air Force
AXO	Abandoned Explosive Ordnance	HAA	Heavy Anti-Aircraft	RN	Royal Navy
BD	Bomb Disposal	HE	High Explosive	RNAS	Royal Naval Air Service
BDO	Bomb Disposal Officer	HO	Home Office	ROF	Royal Ordnance Factory
bgl	Below Ground Level	HSE	Health and Safety Executive	SAA	Small Arms Ammunition
BGS	British Geological Survey	IB	Incendiary Bomb	TA	Territorial Army
BH	Borehole	kg	Kilograms	TNT	Trinitrotoluene
BPD	Bomb Penetration Depth	km	Kilometres	UK	United Kingdom
CDP	Cast Driven Piles	LAA	Light Anti-Aircraft	UN	United Nations
CFA	Continuous Flight Auger	LCC	London County Council	USAAF	United States Army Air Force
CIRIA	Construction Industry Research and Information Association	LE	Low Explosive	UXB	Unexploded Bomb
CPT	Cone Penetration Testing	LSA	Land Service Ammunition	UXO	Unexploded Ordnance
CS	County Series	m	Metres	V	Weapons Vergeltungswaffe–Vengeance Weapons
EO	Explosive Ordnance	MoD	Ministry of Defence	WD	War Department
EOC	Explosive Ordnance Clearance	mm	Millimetres	WWI	World War One
EOD	Explosive Ordnance Disposal	NEQ	Net Explosive Quantity	WWII	World War Two
		NFF	National Filling Factory	ZAA	'Z' Anti-Air Rocket Battery
		NGR	National Grid Reference		
		OD	Ordnance Datum		

UK UXO Risk Mitigation Process

CIRIA 681 Phases

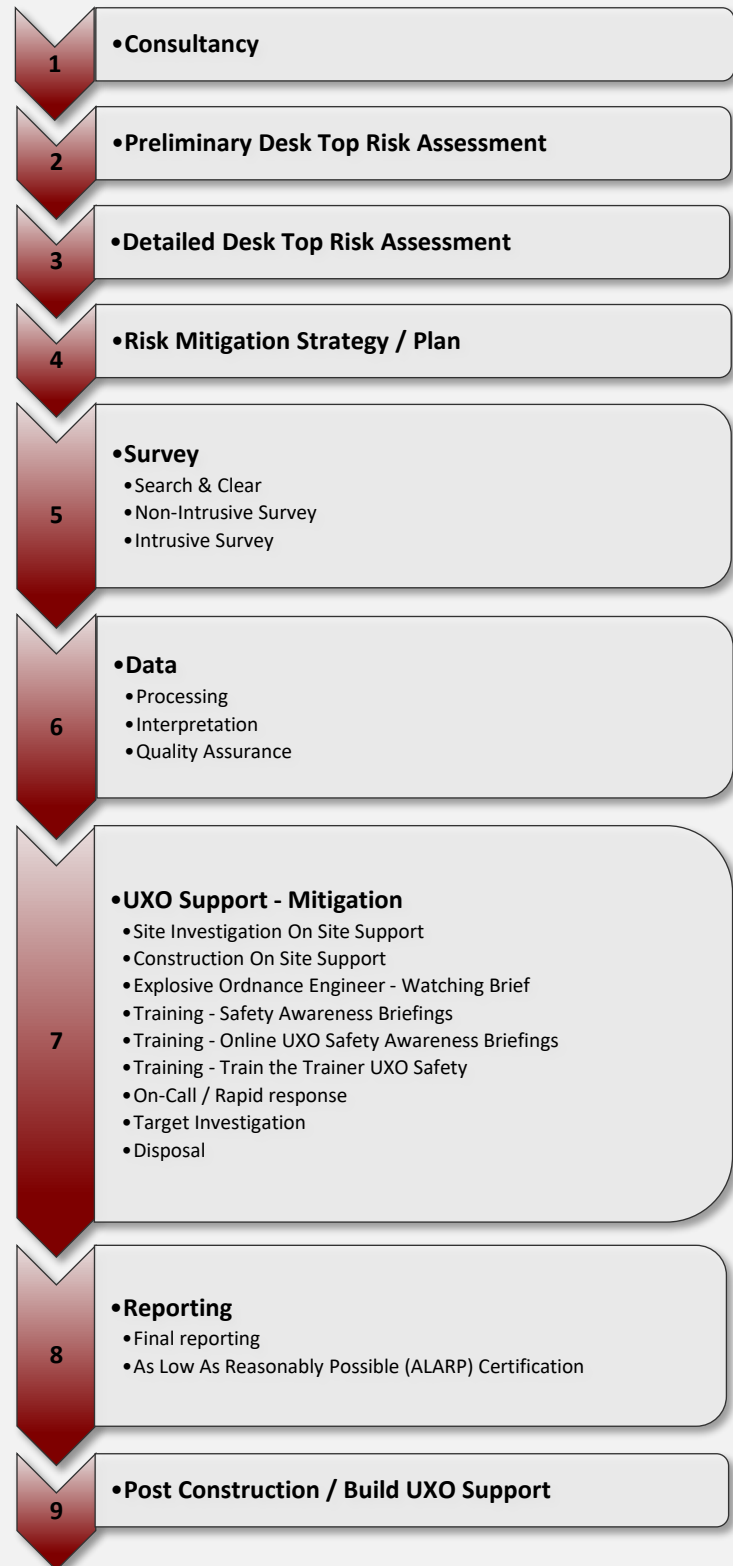
RMS UXO Detailed Phases

1. Preliminary Risk Assessment

2. Detailed Risk Assessment

3. Risk Mitigation

4. Implementation



1. Executive Summary

1.1 Site Overview

The client has specified the site location as Little Haven Hotel, South Shields, NE33 1LH and is approximately centred on the National Grid Reference: NZ 36790 68160.

RMS UXO Limited, (RMS UXO) was commissioned by Arc Environmental Limited to conduct an Unexploded Ordnance (UXO) Desk Study Risk Assessment for the Little Haven Hotel. The primary objective of this document is to evaluate the UXO risks present at the specified site and its surrounding areas, in compliance with the Construction Industry Research and Information Association (CIRIA) C681 guide on 'Unexploded Ordnance (UXO), a Guide for the Construction Industry'.

1.2 Proposed Works

The proposed works outlined by the client include intrusive site investigation activities:

- Drilling windowless sample boreholes
- Digging trial pits

The proposed construction works on site include:

- Multiple extensions to the hotel, including a new sun lounge, restaurant, terraced areas, and an enlargement of the conference room
- A new structure in the centre of the car park, hosting a gym
- A new structure in the south, hosting a nursery and connected office and storage areas
- A Gazebo in the site's north east, along with a connected path
- Areas of hardstanding throughout the site

1.3 Summary of Available Information

- During WWII, the Borough of South Shields sustained a moderate density bombing campaign according to The National Archives statistics, with an average of 56.2 items of ordnance recorded per 1,000 acres.
- There are 11 HE bombing incidents known to have occurred within an approximate 500m radius of the site. The closest recorded HE bomb strike occurred approximately 90m west. There is a possibility that additional HE bombs, UXBs and IB clusters may have struck certain areas of the site unrecorded due to open ground across the site. The entire site is the main risk pathway. It should also be noted that abandoned bombs and UXBs were recorded in the wider surrounds to the site.
- Bomb Damage mapping was not recorded for the South Shields area and is therefore unavailable for this report.
- High-resolution aerial photographs around the South Shields area in 1942 and 1947 corroborate with pre-war OS mapping and reveal the site comprised of entirely open and undeveloped ground. A high-resolution photo of the South Shields area in 2005 shows the site in its modern composition.
- The site is anticipated to have received low to moderate levels of access and observation due to its mostly undeveloped nature and defensive features. As such the chance of observing a bomb strike to the site is low to moderate.

- RMS UXO's geo-referenced database has identified a pillbox on site and multiple anti-tank blocks in close proximity. Furthermore, there are two coastal batteries close to the site. As such, there is a risk from LSA and SAA.
- There are HAA batteries within proximity to the site where unexploded HAA may have landed unnoticed.
- Records show the site formally had a military occupation that could have led to contamination with items of British / Allied ordnance.
- During post-war development works, there are no records of UXO being found on site.

1.4 Risk Assessment Summary

Risk Level					
Medium					
Table 1.4.1 - Risk Assessment					
Type of work	Potential Hazard	Likelihood (L)	Severity	Risk Rating	Risk Zone
Future developments	HE Bombs	2	5	10	Medium
Future developments	LSA	2	4	8	Medium
Future developments	HAA	1	5	5	Low
Future developments	IBs	1	4	4	Low
Future developments	SAA	2	2	4	Low

The risk associated with UXOs is partially mitigated to the exact depths of post-war redevelopment within the structures' foundations and the hard standing. Although the exact depth of these works is unknown until site investigation has taken place and further assessment conducted.

1.5 Site Investigation Specific Recommendations

The table below provides the recommended methods of UXO risk mitigation required to adequately mitigate the risk of UXO for the project in line with the scope of works detailed within the report and is in accordance with the CIRIA 681 Guidelines.

	Table 1.5.1 MITIGATION METHOD – Medium Risk Areas	YES	TBC*
	Project Specific Risk Mitigation Strategy A project specific overarching strategy to manage UXO project risk on more complex sites. Developed in line with the client's construction plan and methods of construction to be used.		✓

	Table 1.5.1 MITIGATION METHOD – Medium Risk Areas	YES	TBC*
	Safety Awareness Briefings Explosive Ordnance Safety and Awareness Training is provided to site personnel to make them aware of the potential threat from UXO on the work site, what UXO might look like and what to do if suspected UXO is encountered.	✓	
	Site Specific Safety Instructions – Emergency Response Plan Provides site management teams the training, information and guidance to respond to a UXO related incident. Delivered by experienced EOD qualified personnel and often employed alongside an on-call offsite EOD responder.		✓
	Onsite EOD Engineer – Support to Site Investigation Providing Realtime on-site EOD support to site investigation activities. Delivering safety briefings & employing handheld survey instruments ahead of trial pit excavations, drilling activities etc.	✓	
	UXO Removal & Disposal The removal from site of safe to move or inert items of UXO for disposal off-site.		✓
	UXO Disposal The disposal of UXO onsite. This may be through explosive means, burning or mechanical dismantling methods.		✓

1.6 Construction Specific Recommendations

	Table 1.6.1 MITIGATION METHOD – Medium Risk Areas	YES	TBC*
	Project Specific Risk Mitigation Strategy A project specific overarching strategy to manage UXO project risk on more complex sites. Developed in line with the client's construction plan and methods of construction to be used.	✓	
	Safety Awareness Briefings Explosive Ordnance Safety and Awareness Training is provided to site personnel to make them aware of the potential threat from UXO on the work site, what UXO might look like and what to do if suspected UXO is encountered.	✓	
	Site Specific Safety Instructions – Emergency Response Plan Provides site management teams the training, information and guidance to respond to a UXO related incident. Delivered by experienced EOD qualified personnel and often employed alongside an on-call offsite EOD responder.	✓	
	Onsite EOD Engineer- Watching Brief Providing a reactive on-site support where pro-active UXO risk mitigation measures, are not practical. Supervising all open/bulk excavations, responding to suspicious finds & managing UXO related incidents.	✓	
	Non-Intrusive Survey The collection of survey data which is then processed & interpreted offsite. The purpose of the survey is to locate sub-surface anomalies/targets which may be UXO related. Usually employed on greenfield sites or sites which have not previously been developed.	✓	
	Intrusive Survey For sites where a non-intrusive UXO survey cannot reach the maximum depth of UXO risk, or the site is not suitable for a non-	✓	

	Table 1.6.1 MITIGATION METHOD – Medium Risk Areas	YES	TBC*
	intrusive survey such as a brownfield site the intrusive UXO survey provides a suitable alternative. Designed to survey point specific locations where deep engineering works are being undertaken such as piling, pile clusters and sheet piled walls.		
	Target Investigation The investigation of anomalies/targets identified by previously undertaken surveys. Conducted by a two-man EOD team using handheld locators/detectors.		✓
	UXO Removal & Disposal The removal from site of safe to move or inert items of UXO for disposal off-site.		✓
	UXO Disposal The disposal of UXO onsite. This may be through explosive means, burning or mechanical dismantling methods.		✓

*Note: These are mitigation options that may be required as a result of either a non-intrusive or intrusive survey.

For the complete list of UXO risk mitigation measures available please refer to section 6 within the report.

2. Project Context

2.1 Project Rational & Scope

Objective

The objective of this assessment is to evaluate the potential for encountering unexploded ordnance (UXO) at Little Haven Hotel during the proposed works. This assessment adheres to the UXO risk management process and follows CIRIA Guidelines.

Aims

The primary aim of this report is to examine the likelihood of encountering explosive ordnance during the planned works at Little Haven Hotel. Based on the findings, risk mitigation measures will be recommended to either eliminate or minimize the threat from UXO.

Issues Addressed

The report will focus on the following key issues:

- The risk of UXO contamination at the site.
- The possibility of remaining UXO on site.
- The potential for encountering UXO during intrusive works.
- The risk of ordnance initiation.
- The consequences of initiating or encountering ordnance.
- Appropriate risk mitigation measures will be recommended, contingent on the assessed level of risk and specific site conditions.

Tasks:

- **Preliminary Site Assessment:** Conduct an initial review of historical data and previous studies related to the site.
- **Data Collection:** Gather relevant data through field surveys etc.
- **Data Analysis and Risk Assessment:** Analyse the collected data to identify UXO threats and assess risks.
- **Mitigation Planning:** Develop a set of tailored risk mitigation measures.

Responsibilities:

- RMS UXO will be responsible for all data collection, analysis, and reporting.
- The client is responsible for providing access to the site and any existing data or reports.

Limitations and Assumptions:

- The assessment is based on the data available at the time of the study.
- Any changes in project scope or site conditions must be communicated to RMS UXO for re-assessment.

3. Methodology

3.1 Methods

Risk Assessment Process

Our risk evaluation employs a systematic methodology, focusing on several crucial aspects:

- Assessing historical UXO contamination at the location.
- Assessing the likelihood – pathways for UXO to have contaminated the site.
- Assessing the likelihood of UXO being still present
- Estimating the likelihood of encountering UXO during upcoming activities.
- Assessing the chances of UXO functioning as designed.
- Understanding the implications of either encountering or UXO detonating.

To comprehensively cover these aspects, we've considered:

- Past records of bombings and military engagements.
- Conditions and historical context of the site during times of conflict.
- Post-conflict developments and any documented UXO removal efforts.
- The characteristics and scale of the planned activities.
- The variety of munitions that could have affected the area.

Sources of Information

To ensure a thorough and comprehensive report, material from the following sources has been consulted:

- The National Archives.
- Local Historical Archives.
- Relevant Government Departments.
- Information provided by client.
- RMS UXO's comprehensive historical archives and UXO geo-database.
- Open sources such as published books and internet resources.

Reliability and Limitations

As of the date this document was issued, all contained information is verified to be both current and accurate. Our databases undergo systematic updates to include the most recent data, and RMS UXO has employed rigorous precision and specialised expertise in the creation of this document.

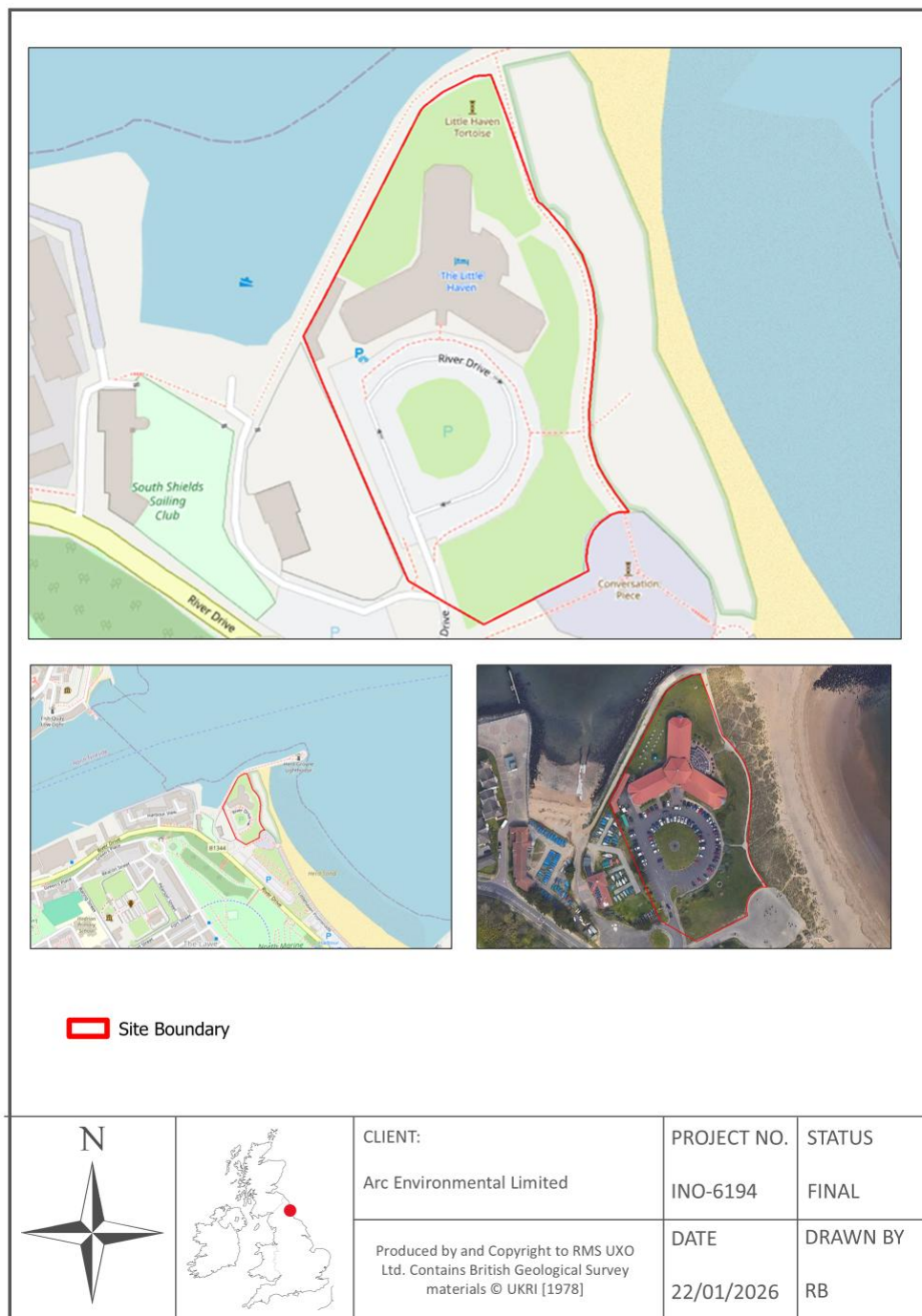
Our risk evaluations are grounded in thorough investigation and supported by data from multiple, verified external sources. While every measure has been taken to ensure the reliability of this data, it is understood that historical records may contain inherent limitations. Consequently, RMS UXO disclaims liability for any inaccuracies present in external data sets beyond our purview.

4. Site Profile

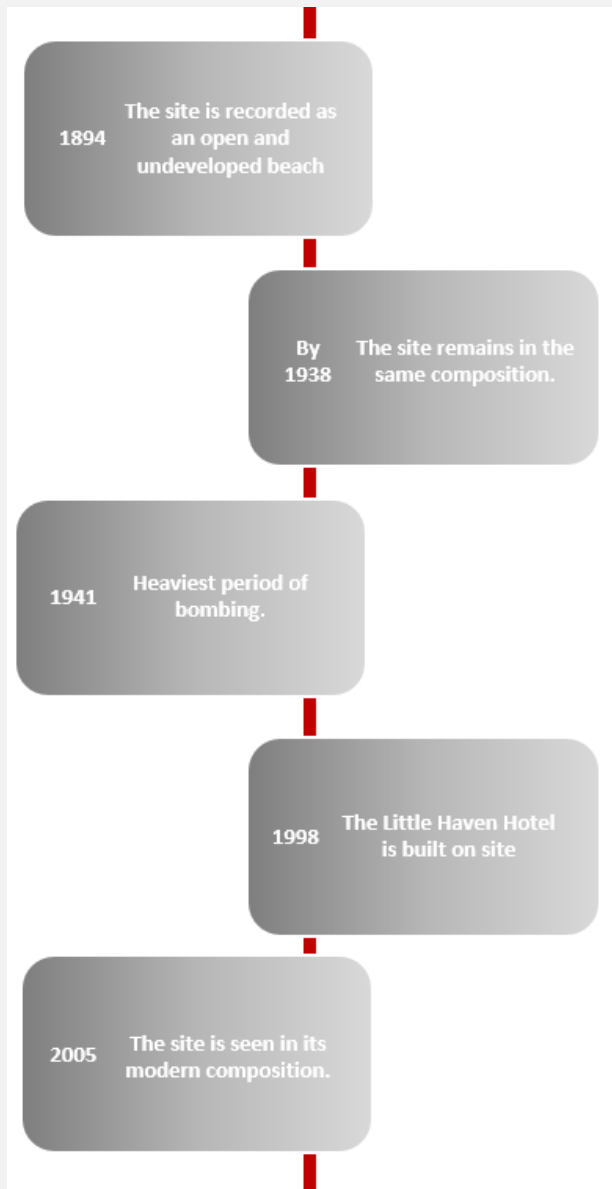
4.1 Location

The Client has defined the site as Little Haven Hotel and is approximately centred on the National Grid Reference: NZ 36790 68160.

The site is situated in the Borough of South Tyneside, approximately 1.1km north-east from South shields Metro Station.



4.2 Historical Context & Previous Studies



Military Activity & WWII Site Utilisation: The site and its surrounds have been identified as an area of military activity during the war, and coastal areas were generally defended in preparation for an invasion. A pillbox is recorded on site, directly south of where the hotel stands today. 5 anti-tank blocks are recorded within 70m of the site, and coastal artillery batteries are recorded and seen in aerial photography 220m south and 500m north-west of the site. These defences can be seen in annex A-6. It's therefore likely that home guard units were stationed on site, and there is a risk of LSA/SAA burial and disposal. Furthermore, German target mapping shows an area of oil infrastructure approximately 90m west of the site, as a target for bombing (see annex A-7), along with the shipbuilding yards along the river.

Bombing Decoys: Records indicate no bombing decoys in the immediate area.

Air Delivered Ordnance: Archival records confirm the deployment of HE and Incendiary bombs via aerial delivery in the vicinity of South Shields between 1940 and 1945. The Tynemouth bomb map records 6 HE bomb strikes within a 500m radius of the site, however this map only records strikes on the north side of the River Tyne. The North-East war diary records 5 specific HE bomb strikes, in

addition to an unknown amount by the gas tanks and on Fort Street. Furthermore, it records that approximately 6000 IBs that struck from the South Shield docks along the river to the oil tanks. These HE and IB strikes on the oil tank are the closest to site, at approximately 90m to the sites west. The entire site is the main risk pathway. These bomb records have been consolidated in annex A-5.

Anti-Aircraft Defences: There are 29 Heavy-Anti-Aircraft (HAA) gun batteries located within an approximate 15 kilometres radius from the site. These pose a risk of UXO contamination primarily due to storage of ammunition and partially due to searchlights rendering them clear targets for bombing at night. The closest is located approximately 220m south of the site, with the main risk associated with this site is that unexploded HAA shells can land up to an average of 15km from the firing point.

Aerial Photography: High-resolution aerial photographs around the South Shields area in 1942 and 1947 corroborate with OS mapping and reveal the site comprised entirely of undeveloped and open ground. 1970 aerial photography shows the site developed into a caravan camping site.

Access to the Site: The majority of the site is anticipated to have received low to moderate levels of access and observation due to its mostly undeveloped nature and defensive features. Although, during any bombing raids or after any consequent damage on site (nonvisible) the anticipated level of access may have dropped significantly.

Bomb Damage Maps: Research indicates that bomb damage maps are not available for South Shields and therefore are unavailable for this report.

Pre-WWII Maps: Historical maps dated 1938 have been consulted and show the site comprised entirely of open and undeveloped ground.

Post-War Maps & Historical Records: A thorough review of post-WWII maps and historical records show post-war the site retained its pre-war composition until at least 1955 as this is when the caravan camping site is recorded.

Modern Development: Further development has comprised the construction of the hotel and its associated structures and infrastructure by 1998. By 2005, a sheltered area in the sites west is expanded, showing the site in its modern composition. There are no records of UXO being found during these developments.

Intentional or Unintentional Disposal: Records indicate no instances of disposal of UXO within the confines of site. However, due to UXO finds in the wider study area of South Shields, and the known military activity on site, this cannot be entirely discounted.

4.3 Proposed Work & Risk Pathways

The planned activities at Little Haven Hotel encompass various intrusive engineering tasks, such as borehole drilling and trial pitting. These tasks inherently create risk pathways for potential encounters with Unexploded Ordnance. The probability of encountering UXO is contingent upon the type and depth of the intrusive work being conducted. Consequences of UXO initiation could range from critical injuries to personnel to substantial damage to equipment and project delays. To mitigate these risks, a comprehensive approach will be employed, considering historical data, site-specific conditions, and previous UXO clearance operations. Tailored risk mitigation strategies will be developed to address the unique risk pathways associated with the proposed work. Considering the range of UXO that could exist within the site, boring and window sampling could introduce a high-risk scenario. While not every UXO encountered in this manner is guaranteed to activate upon contact, the discovery of one could have severe repercussions. These could range from endangering personnel and damaging equipment to causing substantial delays in project timelines.

4.4 Potential Hazards

German Air Delivered Ordnance

To gain a comprehensive understanding of the impact of air raids on South Shields during wartime, a comprehensive examination of record sets was conducted at the National Archives and within online sources.

World War I

South Shields was bombed on the 14th April 1915, when German zeppelin L9 dropped bombs around the Wallsend area. WWI bombs were smaller and dropped from a lower altitude, resulting in limited penetration depths. The risk of encountering unexploded WWI bombs today is very low.

World War II

Primary strategic targets in Britain included airfields, depots, docks, warehouses, wharves, railways, factories, and power stations. Later in the war the Luftwaffe bombing started to include civilian areas and sites of cultural and historical significance.

The most intensive period of bombing over South Shields occurred on October 2-3rd 1941, when 50 German bombers hit the town, killing 68 and making over 2000 people homeless.

WWII Home Office Bombing Statistics

The table below shows the quantity of German aerial delivered bombs (excluding 1kg incendiaries and anti-personnel bombs) dropped on the area of South Shields from 1940 to 1945.

Table 4.4.1 - Record of German Ordnance Dropped on South Shields	
Area (Acres)	4108
High Explosive Bombs	196
Parachute Mines	16
Oil Bombs	-
Phosphorus Bombs	3
Fire Pots	16
V1	-
V2	-
Total	231
Bombs per 1000 Acres	56.2

During WWII, the Borough of South Shields sustained a moderate density bombing campaign according to The National Archives statistics, with an average of 56.2 items of ordnance recorded per 1,000 acres.

Records of the 1kg incendiary and anti-personnel bombs were not routine as they were too numerous to record. Although risk from IB's is less than that of HE bombs they were still designed to harm. Anti-personnel bombs are rare to find today but are potentially more dangerous. Although statistics for these bombs were not often recorded, it is important to carefully consider when evaluating risk to personnel and equipment.

Primarily HE bombs are most commonly associated with historical military activities in the area of South Shields. These UXO items are typically found in undisturbed soil, up to a standard depth of 9m.

4.4.2	Type of UXO	Characteristics
HE	High Explosive Bombs	The most commonly deployed German High Explosive (HE) bombs during WWII were the SC50, with 97% of all bombs dropped being in the 50kg, 250kg, and 500kg range. These bombs, which comprised 40-50% explosive fill, were capable of creating entry holes as small as 20cm in diameter and could easily penetrate the ground if they failed to detonate on impact. HE bombs were the primary ordnance used by the Luftwaffe in terms of weight. Post-air raid assessments often struggled to identify unexploded ordnance (UXO) due to the extensive damage caused by detonated bombs, which sometimes rendered the small entry holes of UXO undetectable, especially in certain ground conditions. This is further complicated as Air Raid Precautions (ARP) documents highlight the risk of misidentifying large UXO damage as resulting from an exploded 50kg bomb. As a result, UXO pose a significant risk to current intrusive works.
LIB	Large Incendiary Bombs	Large Incendiary Bombs (IBs) were less common than the 1kg variants but were used more frequently than Parachute Mines and Anti-Personnel

4.4.2	Type of UXO	Characteristics
		bomblets. In instances where these large IBs penetrated the ground, complete combustion did not always take place. As a result, they could remain a hazard for any intrusive works, maintaining a risk due to their potential unburnt components.
IB	1kg Incendiary Bombs	In terms of the number of weapons dropped, small IBs were the most numerous. Millions of these were dropped throughout WWII. Large IB's were not as common as the 1kg IBs, although they were more frequently deployed than PMs and AP bomblets.
PM	Parachute Mine or G Mine	These were deployed less frequently than HE and IBs due to size, cost, and the difficulty of deployment
AP	SD-2 Anti-Personnel Bomblets	Anti-Personnel (AP) bomblets, though not widely used, are generally regarded as posing a low risk to most operations in the UK. The SD2 bomblets, typically packed in containers with 6 to 108 submunitions, had limited ability to penetrate the ground. They would have likely been identified during post-raid surveys, barring instances where they landed in water, dense vegetation, or amidst bomb rubble, where their detection might have been more challenging
V-1	Vergeltungswaffe-1, Flying Bomb, Buzz Bomb, or Doodlebug	The V-1 was a pivotal advancement in military weaponry during WWII. It holds the distinction of being the first guided missile utilized in the conflict, serving as a precursor to modern cruise missiles. This innovative design was propelled by a pulsejet, marking a significant technological breakthrough at the time
V-2	Vergeltungswaffe 2 (Reprisal Weapon 2)	The V-2 was the first ballistic missile in military history. It was predominantly employed by the German Army against Belgian and British targets during the latter stages of World War II. Notably, the V-2 holds the distinction of being the first man-made object to reach space, achieving an altitude of 189 km (117 miles) during test flights in 1944.

German Air-delivered Ordnance Failure Rate

It has been estimated that approximately 10% of the HE bombs dropped during WWII failed to explode as designed. This estimate is probably based on the statistics of wartime recovered UXBs and therefore will not have taken account of the unknown numbers of UXBs that were not recorded at the time and is probably an underestimate.

The reasons for failures include:

- Fuse or gaine malfunction due to manufacturing fault, sabotage (by forced labour) or faulty installation.
- Clockwork mechanism failure in delayed action bombs.
- Failure of the bomber aircraft to arm the bombs (e.g. charge the electrical condensers which supplied the energy to initiate the detonation sequence) due to human error or equipment defect.
- Jettison of the bomb before it was armed or from a very low altitude.

Allied Explosive Ordnance

The potential risk of encountering Allied ordnance on construction sites is particularly high in areas with a history of military activity, including munitions from military exercises, poor disposal practices, or

defensive placements against enemy occupation. Such areas may contain remnants like Land Service Ammunition (LSA) and Small Arms Ammunition (SAA).

Due to the site comprising an area of anti-landing coastal defences, there is a possible risk that may have led to contamination with Allied ordnance. Anecdotal evidence and specific post-war ordnance finds indicate that there is an increased likelihood of British Army/Home Guard ammunition contamination at and near WW2 invasion defence positions (fortifications or earthworks). There are three main pathways to such contamination: preparatory ammunition caches (subsequently forgotten), accidental loss, and deliberate disposal.

The former saw troops bury ammunition caches, to be unearthed in the event of attack. Records of such caches were probably not always kept and as a result some were not recovered after the threat of invasion had subsided. With the disposal of unwanted hazardous items, there is a well-documented 'out of sight, out of mind' culture in the armed forces during WW2, which resulted in unauthorised disposal (burial) of live and practice ammunition on requisitioned civilian land. At locations of such defence activities, this form of ordnance contamination is perhaps more likely to have occurred within undeveloped ground on site, for concealment. Such ordnance contamination is therefore less likely throughout the developed sections of the site.

Furthermore, as there was open ground on site areas like this one are still at risk from unexploded Anti-Aircraft projectiles from WWII. The table below offers further details on these defence systems and the associated risks.

4.4.3	Type of UXO	Characteristics
LSA	Land Service Ammunition	LSA resulting from historic military activity is commonly encountered across the UK by the public and construction industry alike. Such finds are much more common in rural areas than in urban environments and can often be anticipated in areas such as former RAF stations or ranges. However, many such items are encountered entirely by surprise where the landowner or developer has no knowledge of any previous military use of the land.
	Mortars	A mortar is typically a simple, lightweight, man-portable, muzzle-loaded cannon, consisting of a smooth-bore metal tube fixed to a base plate (to spread out the recoil) with a lightweight bipod mount and a sight. Mortars are typically used as indirect fire weapons for close fire support with a variety of ammunition. Mortars launch high explosive or carrier shells in high-arching ballistic trajectories.
	Grenades	A grenade is a small explosive weapon typically thrown by hand (also called hand grenade) but can also refer to a shell (explosive projectile) shot from the muzzle of a rifle (as a rifle grenade) or a grenade launcher.
	Mines	A landmine is an explosive weapon often concealed under or camouflaged on the ground and designed to destroy or disable enemy targets as they pass over or near it. Land mines are divided into two types: anti-tank mines, which are designed to disable tanks or other vehicles; and anti-personnel mines, which are designed to injure or kill people
	Rockets	During World War II, a variety of rockets were mounted on planes, including air-to-air rockets, air-to-surface rockets, and guided bombs
SAA	Small Arms Ammunition	The most common type of ordnance encountered on land used by the military are items of Small Arms Ammunition (SAA). SAA refers to the complete round or cartridge designed to be discharged from varying sized hand-held weapons such as rifles, machine guns and pistols. SAA can include bullets, cartridge cases and primers/caps

4.4.3	Type of UXO	Characteristics
	.303	It was the standard British and Commonwealth military cartridge for rifles and machine guns (Bren Gun) from 1889 until it was replaced by the 7.62×51mm NATO in the 1950s.
	7.92mm BESA	The British military's Besa machine gun was chambered for the 7.92×57mm Mauser and was used in armoured vehicles during World War II.
	9x19mm	These rounds were issued for use with Sten guns, the Lanchester sub machine gun and the Browning Hi Power pistol and were produced in huge quantities.
	20mm Hispano	Used in the Hispano 20mm Cannon, which was installed in various fighter planes including the spitfire and the hurricane.
	20mm Oerlikon	A semi-rimmed round that was used in the 20mm Oerlikon gun, which was a key weapon in defending ships and aircraft. During WWII, twin and quadruple Oerlikon mounts were developed, both for army and for navy use

4.4.4	Type of UXO	Characteristics
AAA	Anti-Aircraft Artillery	At the start of WWII, two types of AAA guns were deployed: Heavy Anti-Aircraft Artillery (HAA), firing large shells (3.7" plus calibre) and Light Anti-Aircraft Artillery (LAA) employing smaller calibre weapons, firing .303", 20mm and 40mm shells.
LAA	Light Aircraft Anti-	The Light Anti-Aircraft (LAA) artillery, notably the 40mm Bofors and 20mm Oerlikon guns, played a significant role in WWII, primarily targeting fast, low-flying aircraft. These mobile units were strategically repositioned along town perimeters and near key industrial sites, enhancing their operational flexibility. However, this mobility results in limited historical records regarding their exact locations. The 40mm Bofors gun, widely utilized due to its capacity to fire up to 120 projectiles per minute over a range of 1,800 meters, was a common fixture. The RAF Regiment initially employed the 20mm Oerlikon gun, capable of discharging up to 330 rounds per minute up to 4,000 meters, before gradually integrating the Bofors gun from 1943 onwards, often maintaining a mix of both types until the end of the war. All Allied military airfields were fortified with these LAA batteries, strategically placed in isolated positions to optimize defence during aerial attacks. The primary function of these batteries was to intercept fast, low-flying German fighter bombers. The ammunition used in LAA batteries consisted of small projectiles equipped with contact fuses and either a high-explosive or incendiary charge, designed to detonate upon impact. In instances where these projectiles failed to hit their intended targets, they would fall back to the ground with their charges intact. Despite their reduced risk compared to larger ordnance, the 40mm projectiles, resembling large-calibre small arms ammunition, still pose a considerable safety concern.
HAA	Heavy Aircraft Anti-	Heavy Anti-Aircraft (HAA) batteries, equipped with large guns like the 3.7" Quick Firing (QF), were strategically positioned for engaging high-flying bomber aircraft. These installations, often permanent gun emplacements, were a key component of the UK's aerial defence during WWII. In addition to firing large High Explosive (HE) projectiles, triggered by various fuses including impact, area and time delay mechanisms, local ammunition caches were commonly situated near strategic location like defended roadblocks or pillboxes. The closest HAA Batteries to the site in question is located approximately 225 metres to the south, yet their effective range was up to 15km. This proximity and operational range underscore the

4.4.4	Type of UXO	Characteristics
		potential risk of encountering Allied ordnance, especially in areas with a historical military presence.
ZAA	Z (Rocket) Batteries:	A Z-Battery comprised a grid formation of 64 rocket projectors which fired 2" and later 3" Unrotated Projectile (UP) rockets to a maximum altitude of 5,800m; a ground range of some 9,000m. They were deployed in cities all around the UK from 1941 and proved to be an effective addition to the existing AA guns. The rockets measured 0.9m (2") and 1.8m (3") in length with four stabilising fins at the base and were fitted with 3.5kg or 8.2kg HE warheads. The larger warhead had an effective airborne blast radius of up to 20m. Some variants deployed a form of aerial mine described as a "small yellow bomb" which was designed to detach from the rocket at height and descend on a parachute with the objective of becoming snagged on target aircraft and then detonating.

4.5 Site Geology & Bomb Penetration Depth

Assessing ground conditions is a key factor in determining both the maximum penetration depths of unexploded ordnance (UXO) and the likelihood of hidden munitions.

Should there be any changes in site investigation protocols, construction methods, or focus areas within the project site, immediate communication with RMS UXO is advised. This action allows for a timely reassessment of existing UXO risks and the adjustment of risk mitigation plans. Certain soil and rock conditions, such as iron-rich or mineralised soils, can impact the effectiveness of UXO risk reduction methods like magnetometer surveys. Identifying the source of altered soil types is essential for accurately assessing the ground state at the time of potential UXO contamination. This information aids in fine-tuning the calculations for average and maximum bomb penetration depths, thereby enabling more targeted risk reduction strategies in line with ALARP guidelines.

Table 4.5.1 - GROUND TYPE	DEPTH
Sand	0.0 – 1.1m
Limestone Rubble with Sand	1.1 – 1.9m
Sand	1.9 – 5.9m
Broken Stone	5.9 – 6.3m
Sand and Gravel	6.3 – 7.6m (end of borehole)

Following a review of the BGS borehole log "NZ36NE18/D – SOUTH WAVE TRAP SOUTH SHIELDS 4" (located 80m east of the site), RMS UXO have been able to provide an estimate of the likely maximum bomb penetration depth:

The estimated average bomb penetration depths accounting for ground composition are:

500kg

<8m

The estimated bomb penetration depth for 50kg and 250kg bombs would be expected to be at shallower depths.

The calculation of bomb penetration depths involves several key factors.

These factors include the bomb being dropped from a significant height, leading to an impact speed of 260 m/s from heights above 5,000m. The angle of impact with the ground varies between 10 and 15 degrees from the vertical, and the bomb remains stable during its descent and upon ground penetration. Additionally, no slowing mechanisms are attached to the bomb, and the soil composition is consistent. When released from a high altitude, the bomb generally enters the ground at an angle of 10 to 15 degrees to the vertical. It maintains this angle until its momentum is nearly depleted, at which point it shifts suddenly to a horizontal position before coming to rest. The term 'offset' refers to the gap between the centre of the entry hole and the bomb's final position. Significant sideways movement from the initial entry path is not uncommon. For attacks from lower altitudes, the angle of impact can be 45 degrees or more, often resulting in increased lateral movement during penetration.

Determining the average impact velocity of World War II bombs like the 50kg, 250kg, and 500kg high-explosive (HE) bombs is not straightforward due to several factors, including the altitude from which they were dropped, their design/shape, and the mediums they passed through.

4.6 Lateral Off-set or 'J-Curve'

The lateral off-set, or 'J-curve' effect, is an important aspect of bomb trajectory, primarily influenced by the bomb's interaction with the ground upon impact. Bombs would typically fall nose-first and result in a varied deceleration between the nose and tail upon contact with the ground with the nose slowing down before the tail. This differential in speeds leads to a notable shift in trajectory and often results in the bomb either achieving a horizontal orientation or, in certain scenarios, curving upward in a J-shaped trajectory.

The horizontal distance between the bomb's entry hole and its final resting position is known as the offset and is typically a distance of about one third of the bombs penetration depth for bombs dropped from high altitudes.

4.7 Allied UXO Burial Depth

It should be noted, as there is a possibility of encountering Allied UXO on site, the smaller size of SAA and LSA (in relation to German HE bombs) indicates that any resulting Allied UXO contamination on site would be to shallower depths, usually within 1.5m of the surface, not including any added material on the surface post-war.

Domestic military SAA and LSA contamination will either be the result of faulty ammunition which bury into the ground on impact or munitions purposefully buried, for numerous reasons.

5. Risk Analysis

5.1 Analysis

For each type of investigative method that might be used, RMS UXO has carried out unique calculations to rate the risks. The risks associated with encountering and activating UXO can vary widely. These variations depend on several factors, including the amount of high-explosive material in the UXO and the intensity with which it is encountered. Ground investigation specific to this research location have been prepared to help analyse these risks, as the likelihood of encountering UXO can differ based on the nature of the intrusive activities being conducted.

5.2 Risk Levels and Interpretation

Risk Rating

RMS UXO's Risk Assessment gauges and categorises the dangers presented by the most likely hazardous items during various operations on the site. The Hazard Assessment Score is calculated by evaluating the likelihood of coming across UXO and the potential outcomes of triggering it.

Firstly, the probability of encountering UXO (PE) has been considered and rated for the different construction techniques, as detailed below. The probability of detonating a UXO (PD) has been considered and rated for the different construction techniques, as detailed below.

Table 5.2.1 - Probability of Encounter (PE)	Rating	Table 5.2.2 - Probability of Detonation (PD)	Rating
Highly likely and frequent.	5	Highly likely and frequent.	5
Probable and likely to happen.	4	Probable and likely to happen.	4
Occasional, increased chance or probability.	3	Occasional, increased chance or probability.	3
Remote, unlikely to happen but could	2	Remote, unlikely to happen but could.	2
Improbable, highly unlikely	1	Improbable, highly unlikely.	1
Impossible	0	Impossible	0

Next, the probability of encountering and detonating the UXO (PE x PD) has been used to generate an overall likelihood rating (L).

Each potential risk has been assessed separately to generate the overall likelihood of encountering and detonation a UXO:

For the purpose of this risk assessment, the following values have been applied;

- German HE Bombs - PE= 3 and PD= 3. Therefore, the overall likelihood (L) = 9.
- LSA - PE= 3 and PD= 3. Therefore, the overall likelihood (L) = 9.

- HAA - PE= 2 and PD= 2. Therefore, the overall likelihood (L) = 4.
- IBs - PE= 2 and PD= 2. Therefore, the overall likelihood (L) = 4.
- SAA - PE= 2 and PD= 1. Therefore, the overall likelihood (L) = 2.

Table 5.2.3 L = PE x PD	Likelihood of Encounter and Detonation	Rating
21 to 25	Frequent, highly likely, almost certain.	5
16 to 20	Probable, more likely to happen than not.	4
10 to 15	Occasional, increased chance or probability.	3
6 to 9	Remote, unlikely to happen but could.	2
1 to 5	Improbable, highly unlikely.	1
0	Impossible	0

L ranges from 25, a certainty of UXO being encountered and detonated on the site by engineering activity, to 0, a certainty that UXO does not occur on the site and will not be detonated by engineering activity.

The likelihood of encountering and detonating UXO during site works is multiplied by the severity of such an event occurring (L x S), in order to provide a risk level using the following matrix.

Table 5.2.4 - Severity (S)	Rating
Multiple fatalities	5
Major injury, long term health issues, single fatality	4
Minor injury, short term health issues, no fatalities.	3
First aid case but no lost time or ill health.	2
Minor injuries, no first aid.	1
No injuries.	0

This risk matrix is underpinned by historical data, site-specific conditions, and expert analysis. The likelihood and severity ratings assigned are not just theoretical estimates but are grounded in a detailed understanding of the site's past and present characteristics. These factors combine to form a

risk profile that guides our UXO mitigation strategy and ensures all necessary precautions are tailored to the site's unique context.

The final risk assessment for the site is given in Table 5.2.6.

Table 5.2.5	Severity (s)					
Likelihood (L)		1	2	3	4	5
	5	5	10	15	20	25
	4	4	8	12	16	20
	3	3	6	9	12	15
	2	2	4	6	8	10
	1	1	2	3	4	5

Table 5.2.6 - Risk Assessment Table					
Type of work	Potential Hazard	Likelihood (L)	Severity	Risk Rating	Risk Zone
Future developments	HE Bombs	2	5	10	Medium
Future developments	LSA	2	4	8	Medium
Future developments	HAA	1	5	5	Low
Future developments	IBs	1	4	4	Low
Future developments	SAA	2	2	4	Low

It should be noted that the risk associated with UXOs is partially mitigated to the exact depths of post-war redevelopment within the structure's foundations and the hard standing. Although the exact depth of these works is unknown until site investigation has taken place and further assessment conducted.

6. Risk Mitigation & Recommendations

6.1 Recommended Risk Mitigation Measures

The recommendation table below is provided as an overview of the methods required to adequately mitigate the risk of UXO and is in accordance with the CIRIA 681 Guidelines. All of the methods listed are acceptable methods of mitigating explosive risk but do have limitations and should be employed only if viable, interpretable data can be collected.

This is particularly true of intrusive surveys, carried out on sites which are not suitable for this type of method, be it as a result of the underlying strata not allowing sufficient depth penetration or the magnetic environment being too high for the sensors to adequately detect a bomb at the distances from the probe as specified. There is also a reluctance by UXO contractors to raise these constraints once identified on site as it is in their interest to have their survey rigs fully employed.

As this is a direct conflict of interest, RMS UXO has made the decision to not own survey rigs and offer this service, when appropriate, in partnership with UK market leading geotechnical providers – combining our UXO knowledge and our partners ground engineering expertise.

	Table 6.1.1 - MITIGATION METHOD – Medium Risk Areas	YES	NO	TBC*
1	Project Specific Risk Mitigation Strategy A project specific overarching strategy to manage UXO project risk on more complex sites. Developed in line with the client's construction plan and methods of construction to be used.	✓		
2	Safety Awareness Briefings Explosive Ordnance Safety and Awareness Training is provided to site personnel to make them aware of the potential threat from UXO on the work site, what UXO might look like and what to do if suspected UXO is encountered.	✓		
3	Site Specific Safety Instructions – Emergency Response Plan Provides site management teams the training, information and guidance to respond to a UXO related incident. Delivered by experienced EOD qualified personnel and often employed alongside an on-call offsite EOD responder.	✓		
4	On-call EOD Engineer – Off-site Responder A retained service whereby a qualified EOD engineer will respond to a suspicious find on-site.		✓	
5	Onsite EOD Engineer – Support to Site Investigation Providing Realtime on-site EOD support to site investigation activities. Delivering safety briefings & employing handheld survey instruments ahead of trial pit excavations, drilling activities etc.	✓		
6	Onsite EOD Engineer- Watching Brief Providing a reactive on-site support where pro-active UXO risk mitigation measures, are not practical. Supervising all open/bulk excavations, responding to suspicious finds & managing UXO related incidents.	✓		
7	Non-Intrusive Survey The collection of survey data which is then processed & interpreted offsite. The purpose of the survey is to locate sub-surface anomalies/targets which may be UXO related. Usually employed on greenfield sites or sites which have not previously been developed.	✓		

	Table 6.1.1 - MITIGATION METHOD – Medium Risk Areas	YES	NO	TBC*
8	Intrusive Survey For sites where a non-intrusive UXO survey cannot reach the maximum depth of UXO risk, or the site is not suitable for a non-intrusive survey such as a brownfield site the intrusive UXO survey provides a suitable alternative. Designed to survey point specific locations where deep engineering works are being undertaken such as piling, pile clusters and sheet piled walls.	✓		
9	Search & Clearance For areas where a non-intrusive survey is not viable or cost effective two-man UXO Specialist teams can be deployed to conduct a manual Search & Clear operation of the site location with handheld UXO detection equipment.		✓	
10	Data Management Data processing, Interpretation or QA (of third-party survey data) The processing and interpretation of third-party survey data for the purpose of UXO clearance.	✓		
11	Target Investigation The investigation of anomalies/targets identified by previously undertaken surveys. Conducted by a two-man EOD team using handheld locators/detectors.			✓
12	UXO Removal & Disposal The removal from site of safe to move or inert items of UXO for disposal off-site.			✓
13	UXO Disposal The disposal of UXO onsite. This may be through explosive means, burning or mechanical dismantling methods.			✓

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RMS UXO has consulted its internal databases, as well as reference books and archived information, to gather relevant data. Additionally, historic mapping and aerial photography were sourced from the National Archives and other relevant government offices. Information has also been obtained from local county councils and record offices.

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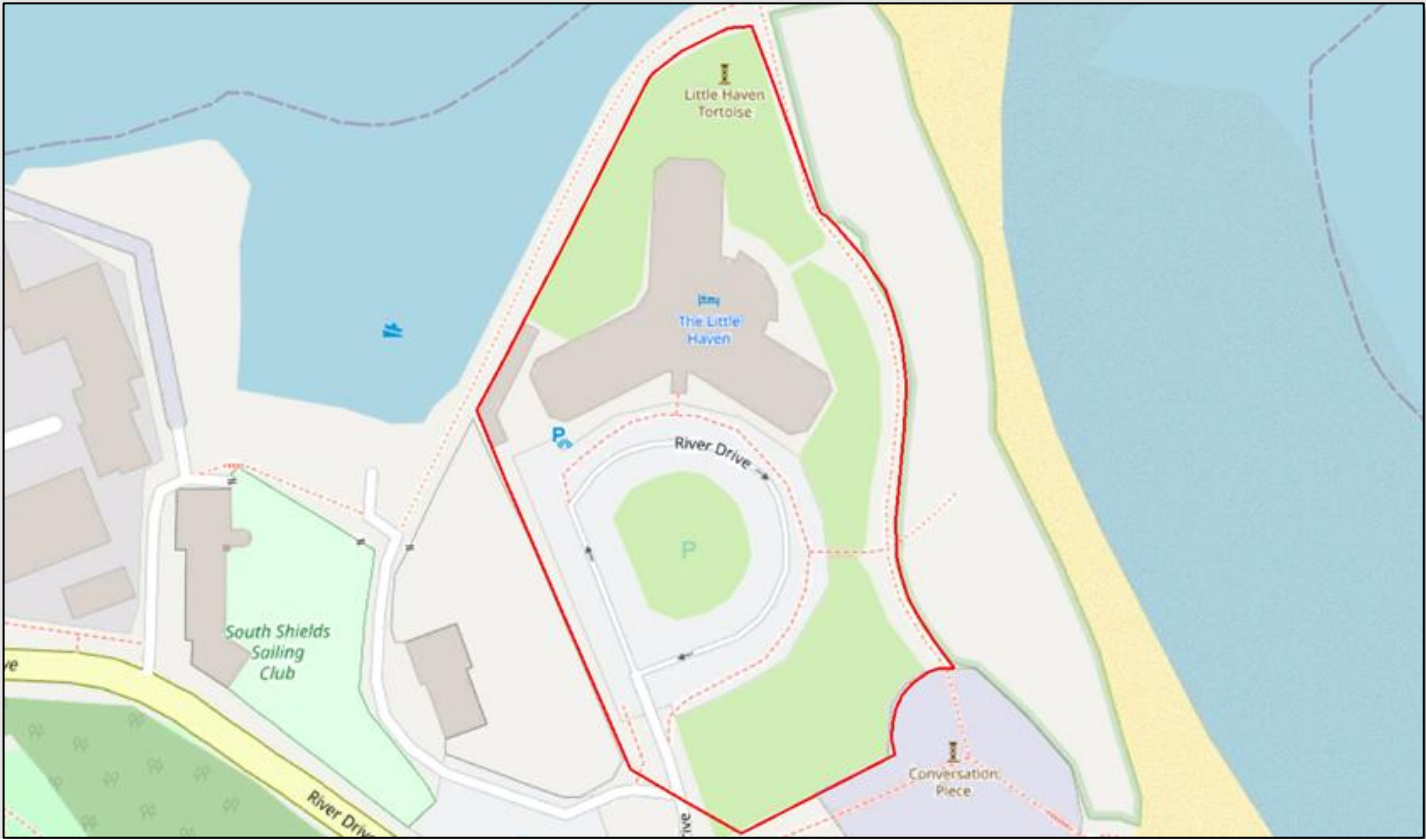
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This report has been constructed with professional thought and care by RMS UXO. Historical data has been meticulously collected and reviewed from third party sources. The validity of this information has been checked to the best of our ability, but RMS UXO holds no accountability for errors resulting from missing or incomplete information. Moreover, despite best efforts to compile a comprehensive historical dataset RMS UXO disclaims responsibility for any subsequent modifications to risk evaluations or mitigation proposals that may be necessitated by the discovery of additional information post factum.



Approx. Site Boundary



Produced by and Copyright to
RMS UXO Limited

CLIENT:
Arc Environmental Limited

SOURCE:
Google Earth, OpenStreetMap

PROJECT:
Little Haven Hotel

REPORT REFERENCE:
INO6194

DATE:
23/01/2026





Approx. Site Boundary



South Shields – August 1942

Approx. Site Boundary

RMS UXO Produced by and Copyright to RMS UXO Limited	CLIENT: Arc Environmental Limited	PROJECT: Little Haven Hotel	DATE: 23/01/2026
	SOURCE: Historic England	REPORT REFERENCE: INO6194	



South Shields – October 1947

Approx. Site Boundary



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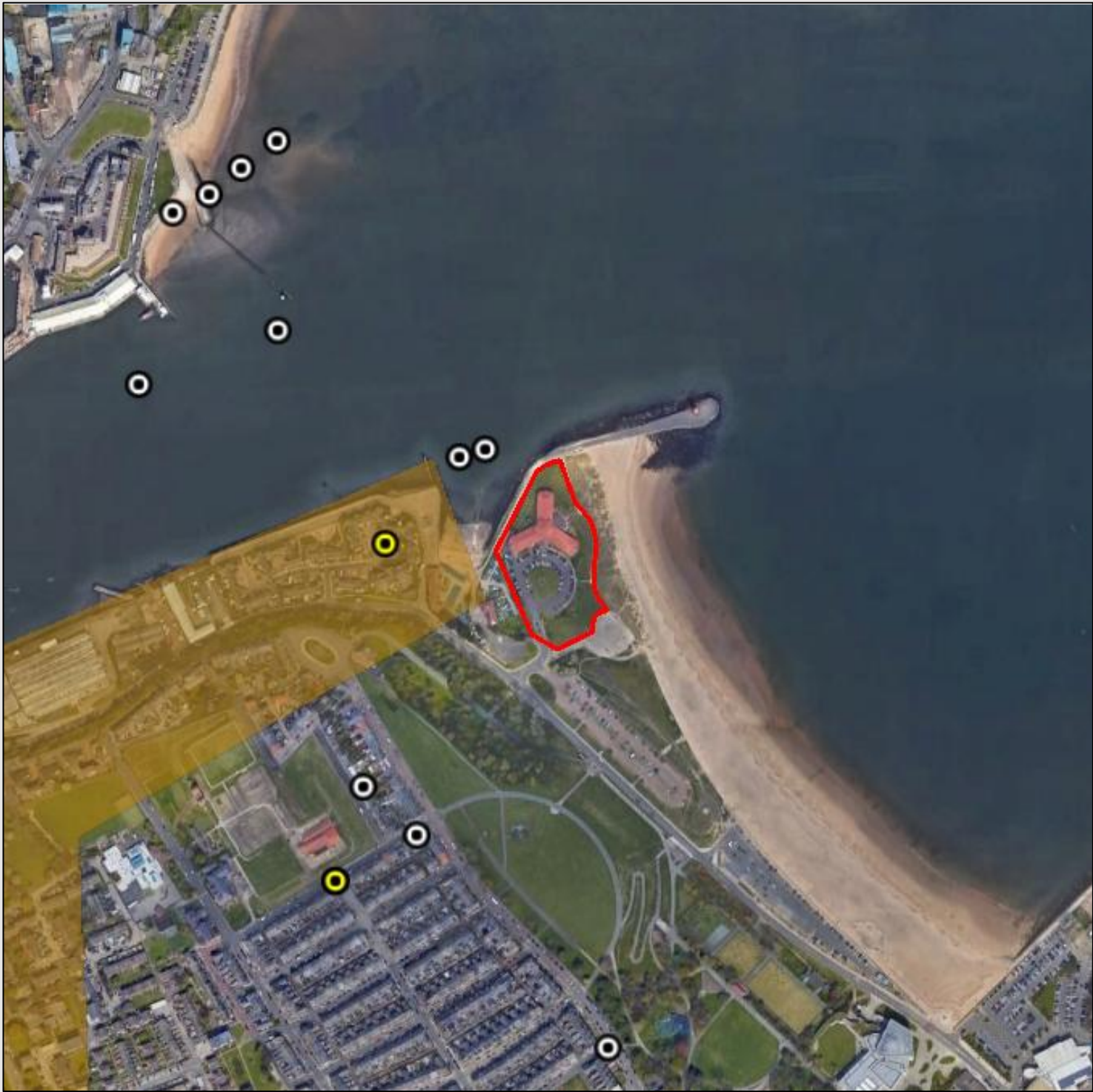
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SOURCE:
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PROJECT:
Little Haven Hotel

REPORT REFERENCE:
INO6194

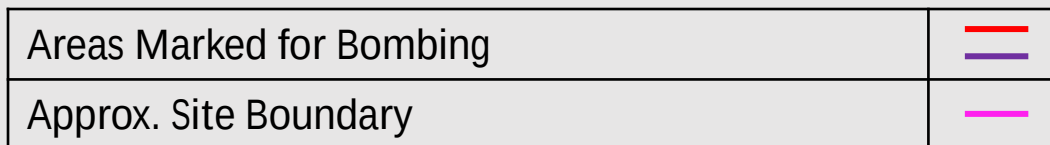
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23/01/2026

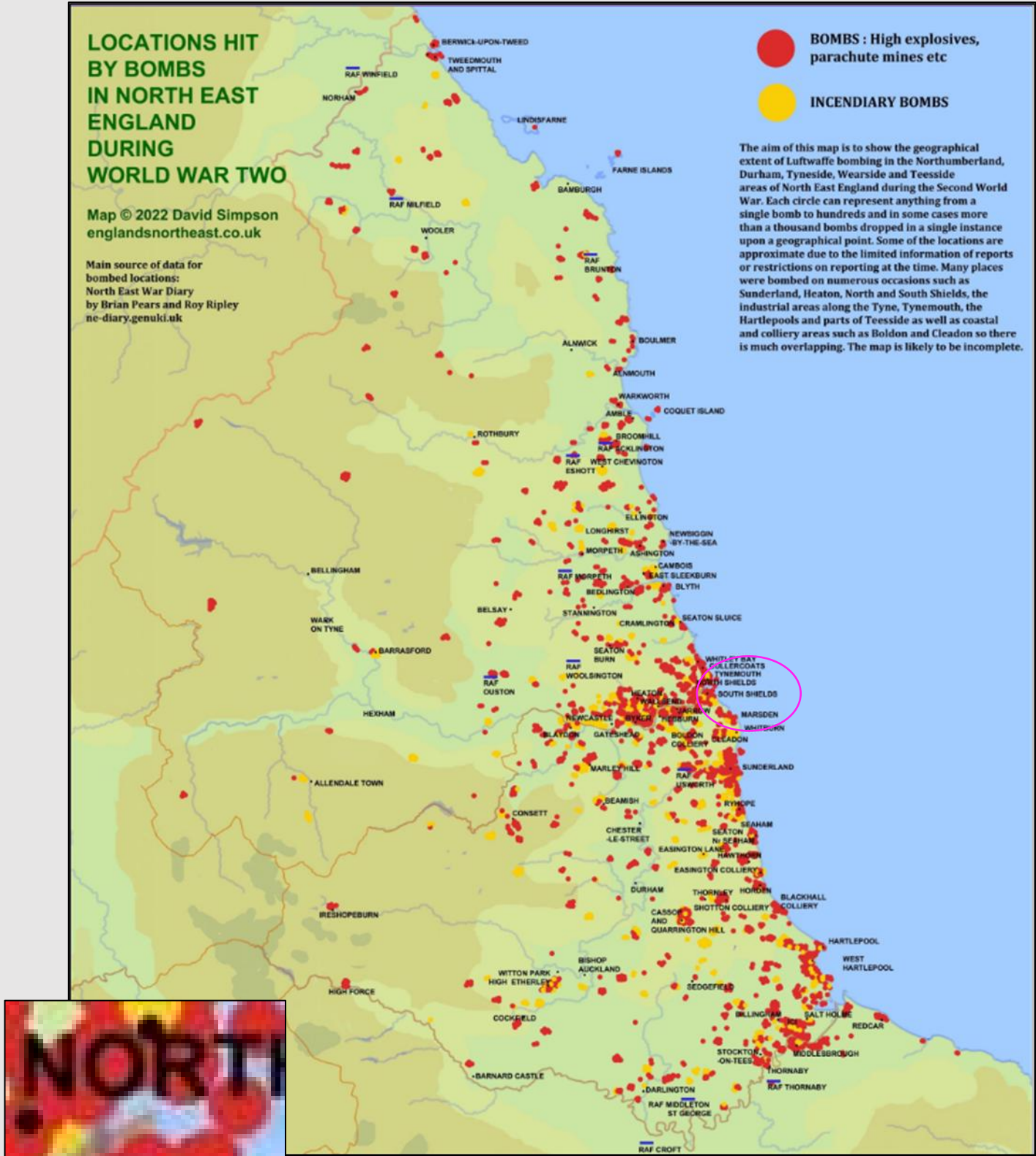


Approx. Recorded IB cluster strike location	
Approx. Recorded HE Bomb Strikes – Unknown Quantity	
Approx. Recorded HE Bomb Strike Locations	
Approx. Site Boundary	



Coastal Artillery Battery	
Anti-tank Block	
Pillbox	
Approx. Site Boundary	

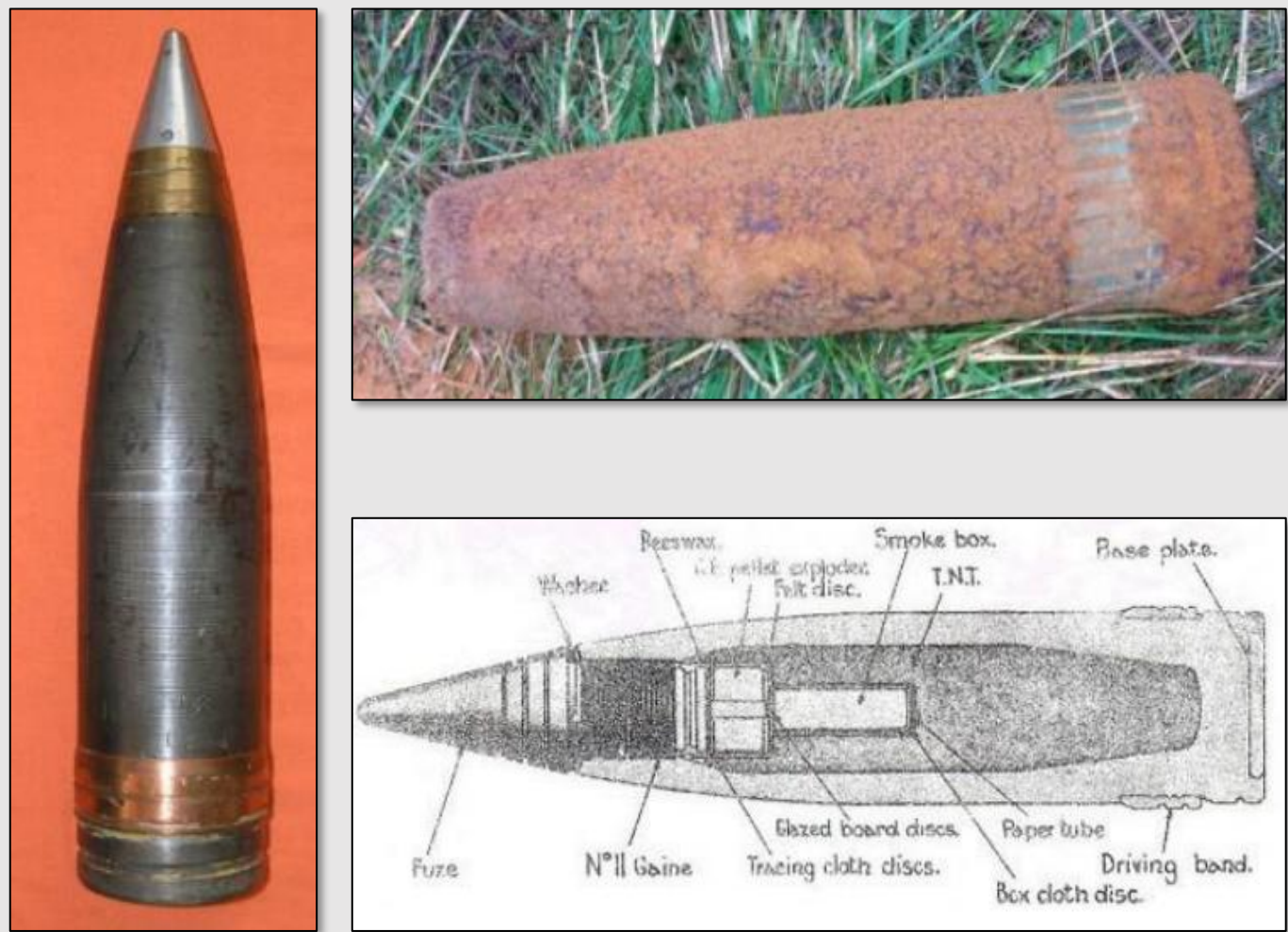




Site Specific Bomb strikes

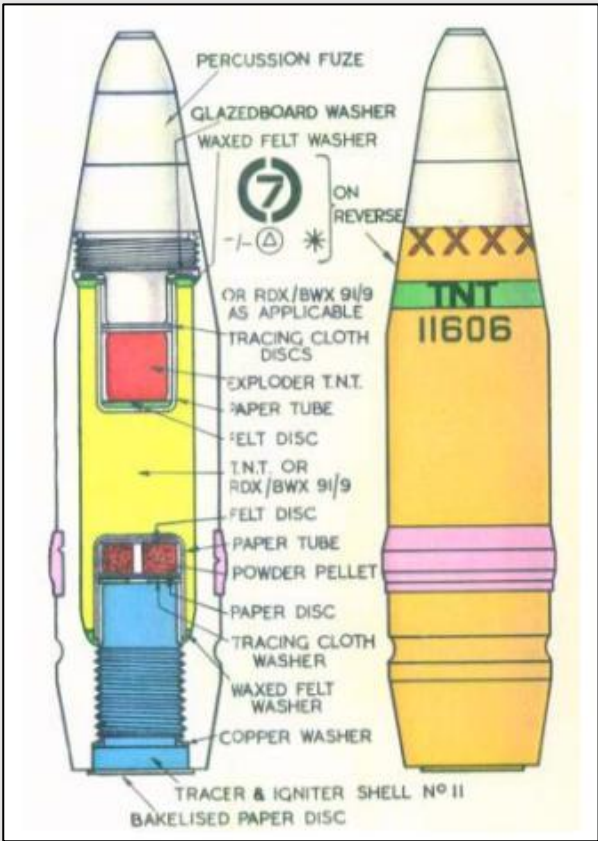
RMS UXO Produced by and Copyright to RMS UXO Limited	CLIENT: Arc Environmental Limited	PROJECT: Little Haven Hotel	DATE: 23/01/2026
	SOURCE: RMS UXO Limited	REPORT REFERENCE: INO6194	N

3.7 Inch QF Anti-Aircraft Projectile



Total Weight	Projectile Weight 28lb (12.6 kg) Explosive Weight 2.52lbs
Dimensions	3.7in x 14.7in (94mm x 360mm) Rate of Fire 10 to 20 rounds per minute
Fuse Type	Mechanical Time Fuze
Use	The 3.7in AA Mk 1-3 were the standard Heavy Anti-Aircraft guns of the British Army. Ceiling 30,000ft to 59,000ft

40mm Bofors Projectile



Total Weight	Projectile Weight 1.96lb (0.86kg) Explosive Weight 300g (0.6lb)
Dimensions	Dimensions 40 x 180mm
Fuse Type	Impact Fuze
Ceiling	23,000ft (7000m)
Remarks	Light quick fire high explosive antiaircraft projectile. Each projectile fitted with small tracer element. If no target hit, shell would explode when tracer burnt out. Designed to engage aircraft flying below 2,000ft

3in Unrotated Projectile (UP) Anti-Aircraft Rocket (“Z” Battery)

This antiaircraft artillery, designed specifically for the Royal Navy, saw significant deployment in the initial stages of the Second World War. Known as the UP, it was not only utilised at sea but also found applications on land through single and 128-round launchers, commonly referred to as Z Batteries. The ammunition for this system features a cylindrical steel casing that tapers towards the bottom, equipped with external threading for secure attachment to the rocket motor's shell ring



SC 50

Bomb Weight: 40-54kg (110-119lb)

Explosive Weight: c25kg (55lb)

Fuze Type: Impact fuze/electro-mechanical time delay fuze

Bomb Dimensions: 1,090 x 280mm (42.9 x 11.0in)

Body Diameter: 200mm (7.87in)

Use: Against lightly damageable materials, hangars, railway rolling stock, ammunition depots, light bridges and buildings up to three stories.

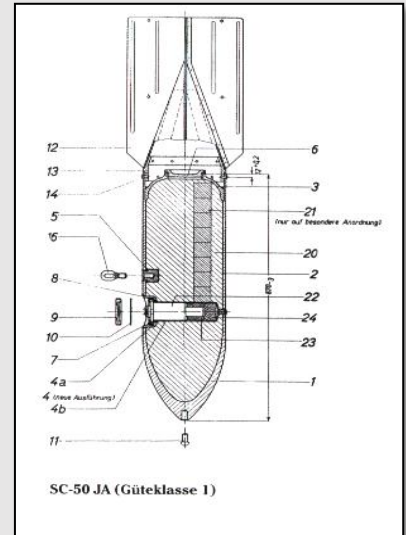
Remarks: The smallest and most common conventional German bomb. Nearly 70% of bombs dropped on the UK were 50kg.



50kg bomb, London Docklands



Minus tail section



SC 250

Bomb weight: 245-256kg (540-564lb)

Explosive weight: 125-130kg (276-287lb)

Fuze type: Electrical impact/mechanical time delay fuze.

Post-1943 – Type 50 (Y) electric anti-disturbance fuze

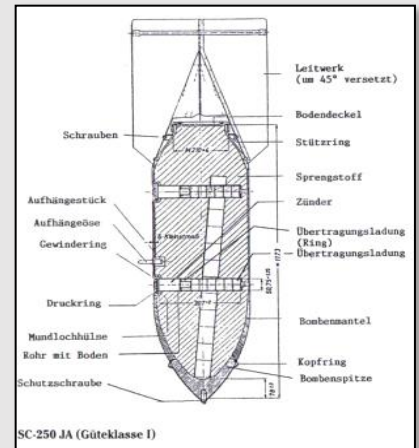
Bomb dimensions: 1640 x 512mm (64.57 x 20.16in)

Body diameter: 368mm (14.5in)

Use: Against railway installations, embankments, flyovers, underpasses, large buildings and below-ground installations.



250kg bomb, Hawkinge



SC 500

Bomb weight: 480-520kg (1,058-1,146lb)

Explosive weight: 250-260kg (551-573lb)

Fuze type: Electrical impact/mechanical time delay fuze.

Post-1943 – Type 50 (Y) electric anti-disturbance fuze

Bomb dimensions: 1957 x 640mm (77 x 25.2in)

Body Diameter: 470mm (18.5in)

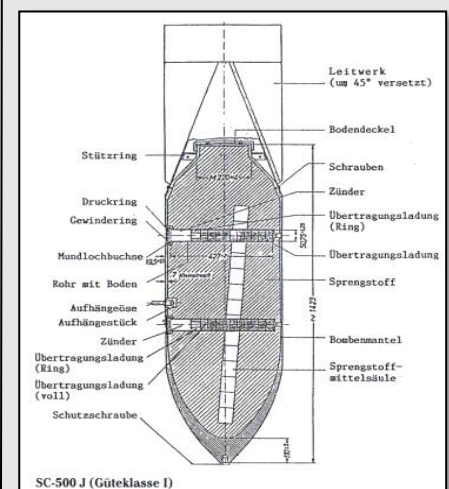
Use: Against fixed airfield installations, hangars, assembly halls, flyovers, underpasses, high-rise buildings and below-ground installations.



50kg bomb included for size comparison (see above)

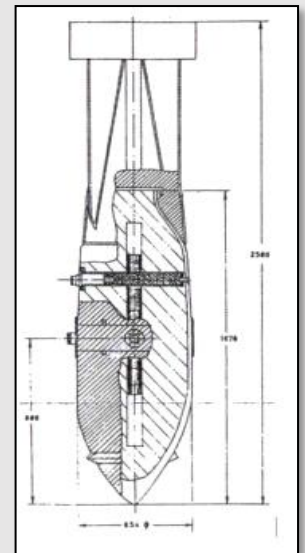


500kg bomb, Felixstowe beach, April 2008



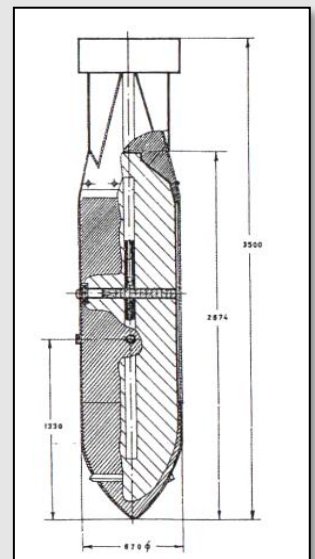
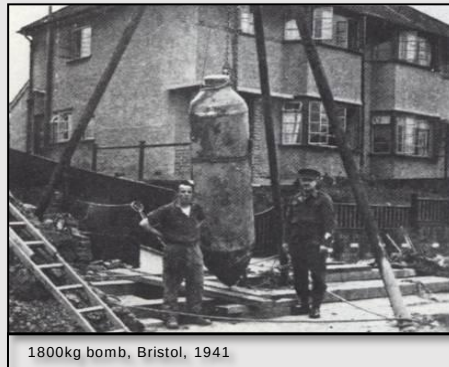
SC 1000

Bomb weight: 993-1,027kg (2189-2,264lb)
 Explosive weight: 530-590kg (1,168-1,300lb)
 Fuze type: Electrical impact fuze.
 Bomb dimensions: 2,580 x 654mm (101.6 x 2.5in)
 Body diameter: 654mm (25.75in)
 Use: Against unarmoured sea and land targets
 Remarks: Known as the 'Hermann'



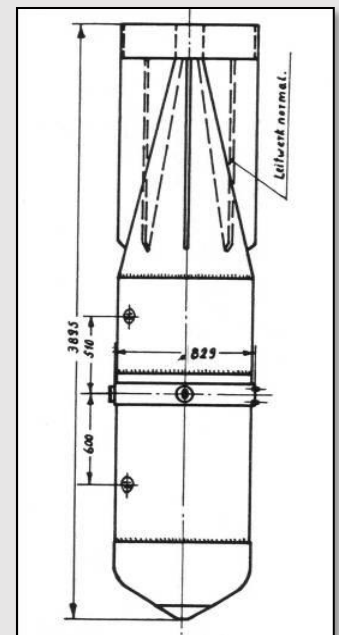
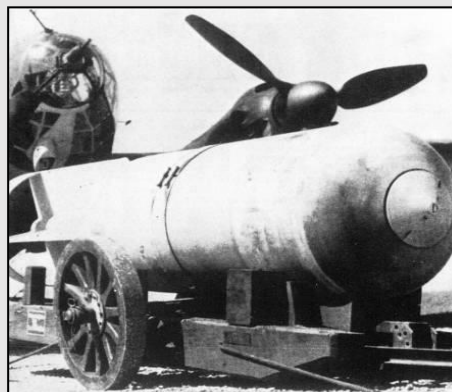
SC 1800

Bomb weight: 1,767-1,879kg (3,896-4,142lb)
 Explosive weight: 1,000kg (2,205lb)
 Fuze Type: Electrical impact fuze
 Bomb Dimensions: 3500 x 670mm (137 x 26in)
 Use: Against building complexes and large merchant vessels
 Remarks: Known as the 'Satan'



SC 2500

Bomb Weight: Bomb weights have been quoted as 1,950kg (4,300lb) and 2,500kg (5,512lb)
 Explosive Weight: 1,700kg (3,748lb)
 Fuze Type: Electrical impact fuze
 Bomb Dimensions: 3,895 x 829mm (153.3 x 32.6in)
 Body Diameter: 829mm (32.6in)
 Use: Against building complexes and merchant vessels.
 Remarks: The SC 2500 has an aluminium body with a welded head and tailpiece. Known as the 'Max'. Only a limited number were deployed.



1kg Incendiary Bomb

Bomb weight: 1.0 and 1.3kg (2.2 and 2.87lb)

Filling: 680gm (1.3lb) Thermite

Fuze type: Impact fuze

Bomb dimensions: 350 x 50mm (13.8 x 1.97in)

Body diameter: 50mm (1.97in)

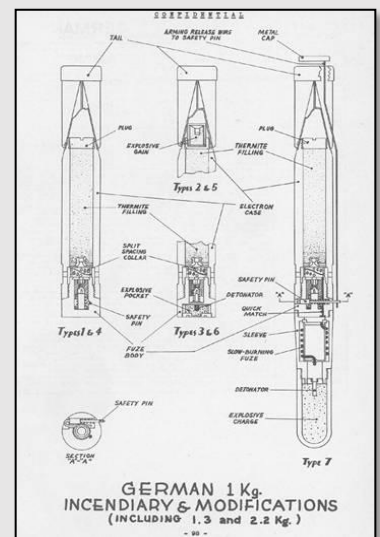
Use: As incendiary – dropped in clusters against towns and industrial complexes

Remarks: Jettisoned from air-dropped containers.

Magnesium alloy case. Sometimes fitted with high explosive charge



1. Scaffold pipe
2. Incendiary 1kg bomb
3. Incendiary bomb recently found on site in UK



C-50 A Phosphorous Bomb

Bomb weight: 41kg (90.4lb)

Explosive weight: 0.03kg (0.066lb)

Incendiary filling: 12kg (25.5lb) liquid filling with phosphor igniters in glass phials

Fuze type: Electrical impact fuze

Bomb dimensions: 1,100 x 2800mm (43.3 x 11in)

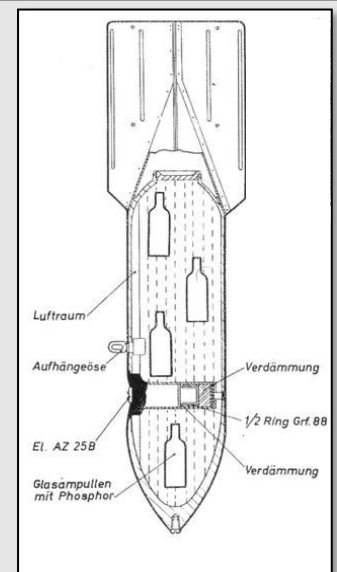
Body diameter: 200mm (2.87in)

Use: Against all targets where an incendiary effect is to be expected

Remarks: Early fill was a phosphorous/carbon disulphide incendiary mixture



Phosphorous Bomb, M25/A2, Kent



Flam C-250 'Oil Bomb'

Bomb weight: 125kg (276lb)

Explosive weight: 1kg (2.2lb)

Flammable weight: 74kg (163lb)

Filling: Mixture of 30% petrol and 70% crude oil

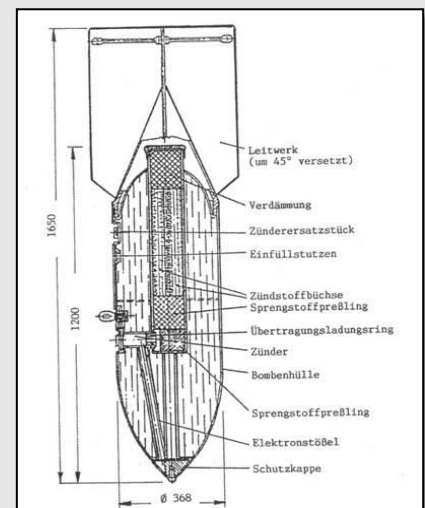
Fuze type: Super-fast electrical impact fuze

Bomb dimensions: 1,650 x 512.2mm (65 x 20.2in)

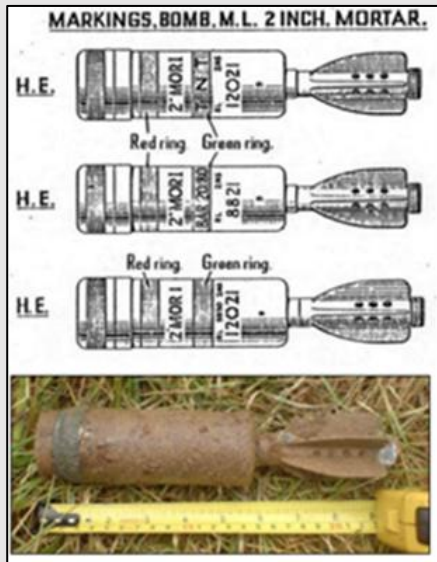
Body diameter: 368mm (14.5in)

Use: Often used for surprise attacks on living targets, against troop barracks and industrial installations

Remarks: Thin casing – not designed for ground penetration

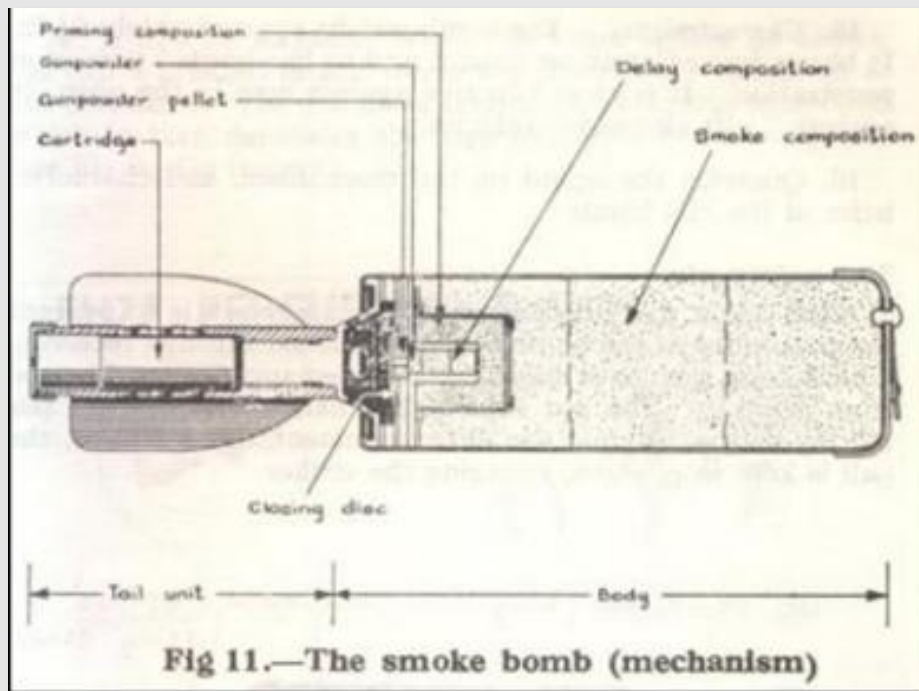
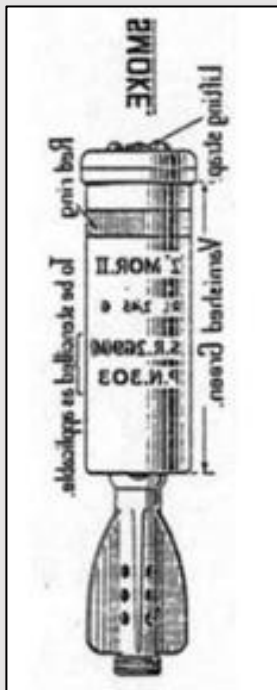


2-inch Mortar High Explosive



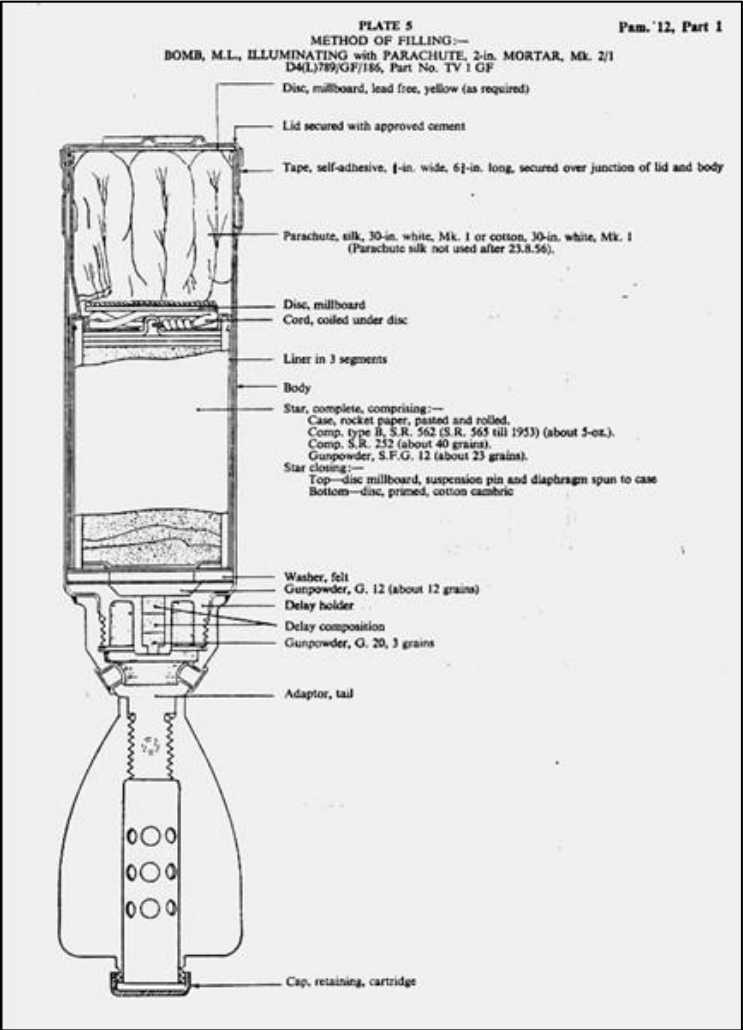
Total Weight	1.02kg (2.25lb)
Dimensions	51 x 290mm (2in x 11.4 in)
Fuse Type	Type An impact fuze which detonates the fuze booster charge and in turn the high explosive charge.
Use	Maximum Range 460m (500yards) It had greater range and firepower over hand and rifle grenades and was used to attack targets behind cover with high explosive rounds.
Remarks	HE has a rounded edge to a flat back. Can either be a black body colour with red and yellow band or dark green with yellow band. Brass cap on top. Practice will have hole all the way through the top.

2-inch Mortar Smoke



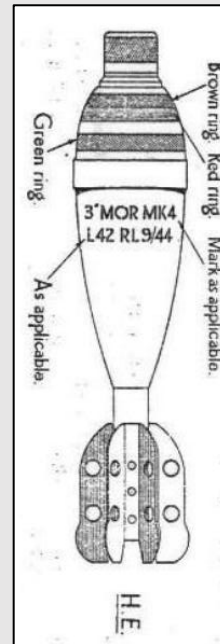
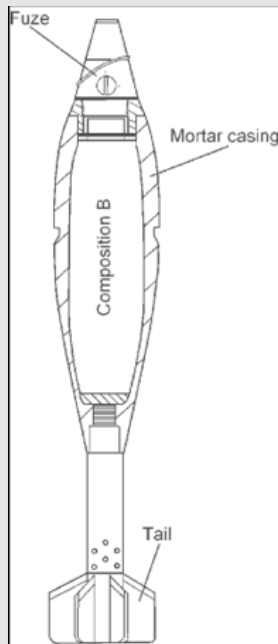
Total Weight	2-inch Mortar Smoke
Dimensions	51 x 290mm (2in x 11.4 in)
Fuse Type	Type An impact fuze which initiates a bursting charge. This ruptures the mortar bomb's body and disperses the phosphorus filler
Use	Maximum Range 460m (500yards) As a screening devices for unit movement or to impair enemy field of vision.
Remarks	Smoke mortars have a recess and emission holes. May still see light green body paint. Look for stained ground around munition.

Typical 2-inch Illuminating Mortar



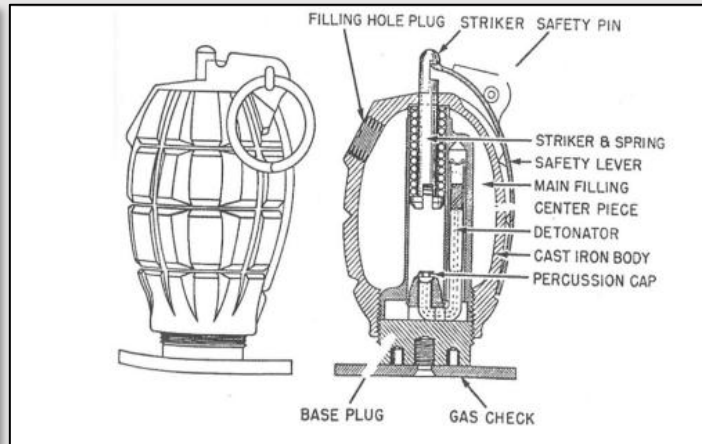
Total Weight	1.25kg
Dimensions	51 x 290mm
Firing Mechanism	Burning time: 30 seconds Illumination area: over 460 m
Use	Its main purpose was to produce smoke for cover and - through high trajectory and HE shell - engage targets "immune to small arms fire"
Remarks	The expulsion charge ignites and ejects the candle assembly. A spring ejects the parachute from the tail cone. The parachute opens, slowing the descent of the burning candle which illuminates the target.

3-inch Mortar High Explosive



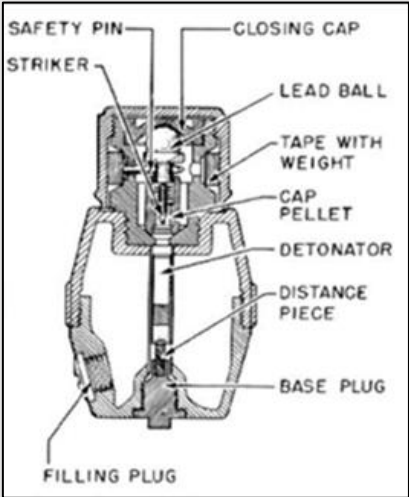
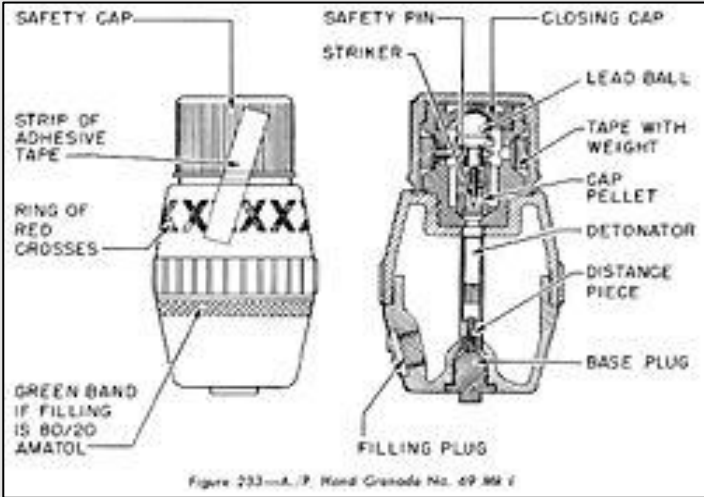
Total Weight	4.5kg (10lb)
Dimensions	81mm (3in)
Firing Mechanism	Drop, fixed striker
Use	Fin-stabilised bomb fired by means of a charge consisting of a primary cartridge in the tail and four secondary cartridges
Remarks	An old-style mortar. No way of telling if HE or practice so treat as HE Maximum Range 1,460 (Mk1) – 2,560m (Mk2) (1,600 – 2,800yds)

No. 36 'Mills' Grenade



Total Weight	765g filled (1lb 11.25oz) Explosive Weight 71g (2oz) filling.
Dimensions	95 x 61mm (4 x 2.4in)
Fuse Type	4-7 second delay hand-throwing fuze. No. 6 Detonator
Use	Fragmentation explosive at approx. 30m range 100m range of damage.
Remarks	Remarks First introduced in 1915 its classic grooved, cast-iron 'pineapple' design was designed to provide uniform fragmentation. The detonator is inserted before use after removing the base plug. 4 second hand throwing fuse with approximate 30m range. First introduced May 1918

No. 69 Grenade



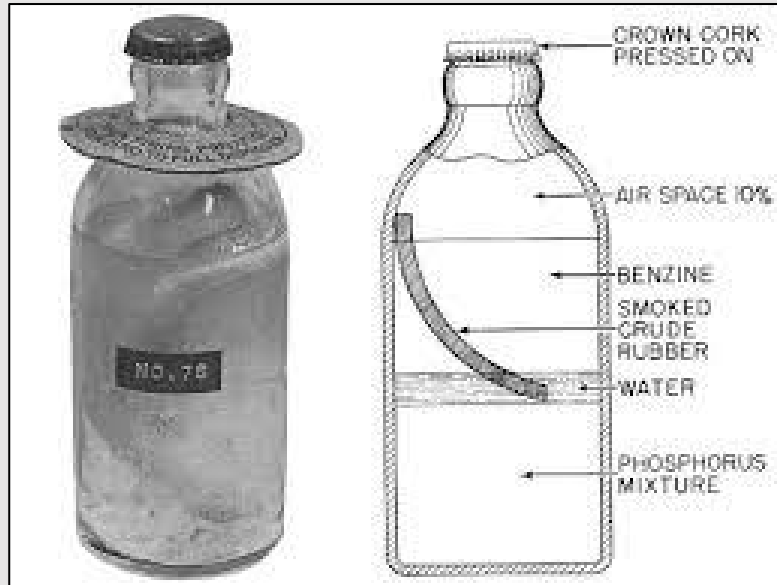
Total Weight	383g (13.5oz)
Dimensions	115 x 60mm (4.5 x 2 .4 in)
Fuse Type	4-7 second delay hand-throwing fuze. No. 6 Detonator
Use	A blast grenade for use as an offensive weapon. Detonator was inserted before use.
Remarks	Remarks Introduced December 1940 and made from the plastic Bakelite as opposed to conventional metals. Detection is difficult due to this low metal content.

No. 83 Smoke Grenade



Total Weight	680g (1.5lb) Explosive Weight Approx. 170-200g. (6-7 oz)
Dimensions	Approx. 62 x 140mm (2.44 x 5.5 in)
Fuse Type	Originally used a friction system using a match head composition. Later developed to a striker lever ignition system.
Use	Use as a target or landing zone marking device and as a screening method for troop / unit movement
Remarks	This basic design stayed relatively unchanged up to the 1980's. The letters CCC were often etched into the body of the grenade in the colour of the smoke. Smoke grenades are used as ground-to-ground or ground to-air signalling devices, target or landing zone marking devices, and screening devices for unit movement.

No. 76 Self Igniting Phosphorous (SIP) Grenade

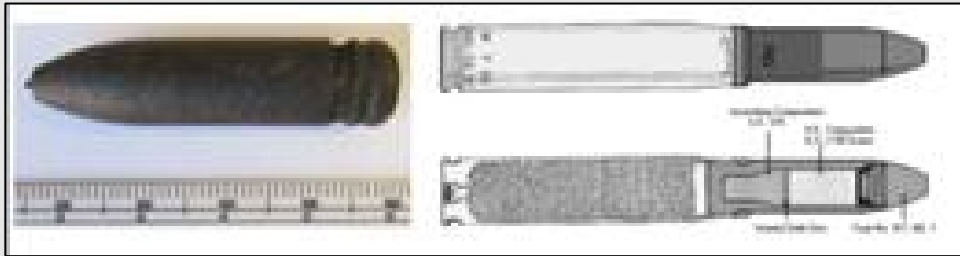


Total Weight	1lb 3oz
Dimensions	Varied
Fuse Type	White Phosphorous and Benzene filling was contained in a ½ pint sized glass bottle with water and a strip of rubber. Over time the rubber dissolved to create a sticky which would self-ignite when the bottle broke.
Use	Originally intended as an anti-tank incendiary weapon deployed by hand. Designed to be produced cheaply without consuming materials needed to produce armaments on the front line.
Remarks	This basic design stayed relatively unchanged up to the 1980's. The letters CCC were often etched into the body of the grenade in the colour of the smoke. Smoke grenades are used as ground-to-ground or ground to-air signalling devices, target or landing zone marking devices, and screening devices for unit movement.

[illegible]

Total Weight	Weight: 13.9 grams
Dimensions	Bullet Diameter 7.92mm Case length 56.44mm Overall length 78.11mm
Propellant/Fuse Type	Originally black powder. Later Cordite followed by Nitrocellulose
Use	Royal Navy, RAF and British Army Light Anti-Aircraft guns, machine guns and rifles. Standard British and Commonwealth military cartridge from 1889 until the 1950s.
Remarks	First produced in 1889 and still in use today, the .303inch cartridge has progressed through ten 'marks' which eventually extended to a total of around 26 variations.

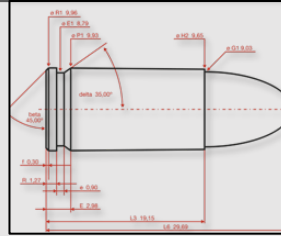
20mm Hispano HEI Ammunition



Total Weight	Weight: 256 grams
Dimensions	Total cartridge / projectile length - 182mm
Propellant/Fuse Type	Contact fuze – No.253, No.254 or No.917 Filling: 108 grains of contact explosive + 68 grains of SR.379 incendiary composition.
Use	Royal Navy, RAF and British Army Light Anti-Aircraft guns. Also, RAF aircraft canons
Remarks	Upper half of projectile painted 'buff' colour, lower half is red. Cartridges are belted or supplied lose in cartons.

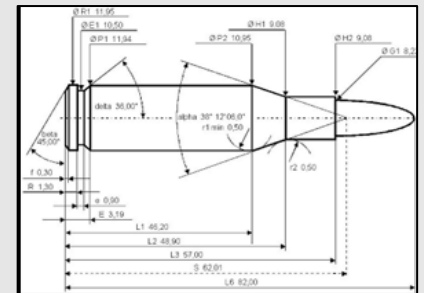
7.92×57mm Mauser

Cartridge Weight	Weight: 14.6 grams
Dimensions	Bullet Diameter 8.08 mm Case length 57.00 mm Overall length 82.00 mm
Propellant/Fuse Type	Black Powder
Use	Royal Navy, RAF and British Army Light Anti-Aircraft guns, machine guns and rifles. Standard British and Commonwealth military cartridge from 1889 until the 1950s.
Remarks	First produced in 1889 and still in use today, the .303inch cartridge has progressed through ten 'marks' which eventually extended to a total of around 26 variations.



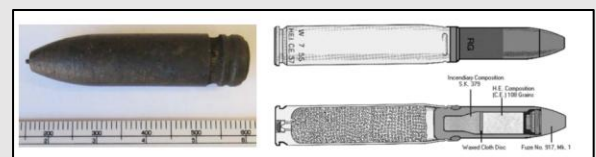
9x19mm Parabellum

Cartridge Weight	Weight: 12.5 grams
Dimensions	Bullet Diameter 9.01 mm Case length 19.15 mm Overall length 29.69 mm
Propellant/Fuse Type	Black Powder
Use	Royal Navy, RAF and British Army Light Anti-Aircraft guns. Also, RAF aircraft canons.
Remarks	Upper half of projectile painted 'buff' colour, lower half is red. Cartridges are belted or supplied loose in cartons.



20mm Hispano HEI Ammunition

Cartridge Weight	Weight: 256 grams
Dimensions	Total cartridge / projectile length - 182mm
Propellant/Fuse Type	Contact fuze – No.253, No.254 or No.917 Filling: 108 grains of contact explosive + 68 grains of SR.379 incendiary composition.
Use	Royal Navy, RAF and British Army Light Anti-Aircraft guns. Also, RAF aircraft canons.
Remarks	Upper half of projectile painted 'buff' colour, lower half is red. Cartridges are belted or supplied loose in cartons.





EXPERTISE, INTEGRITY, PROFESSIONALISM

RMS UXO Limited

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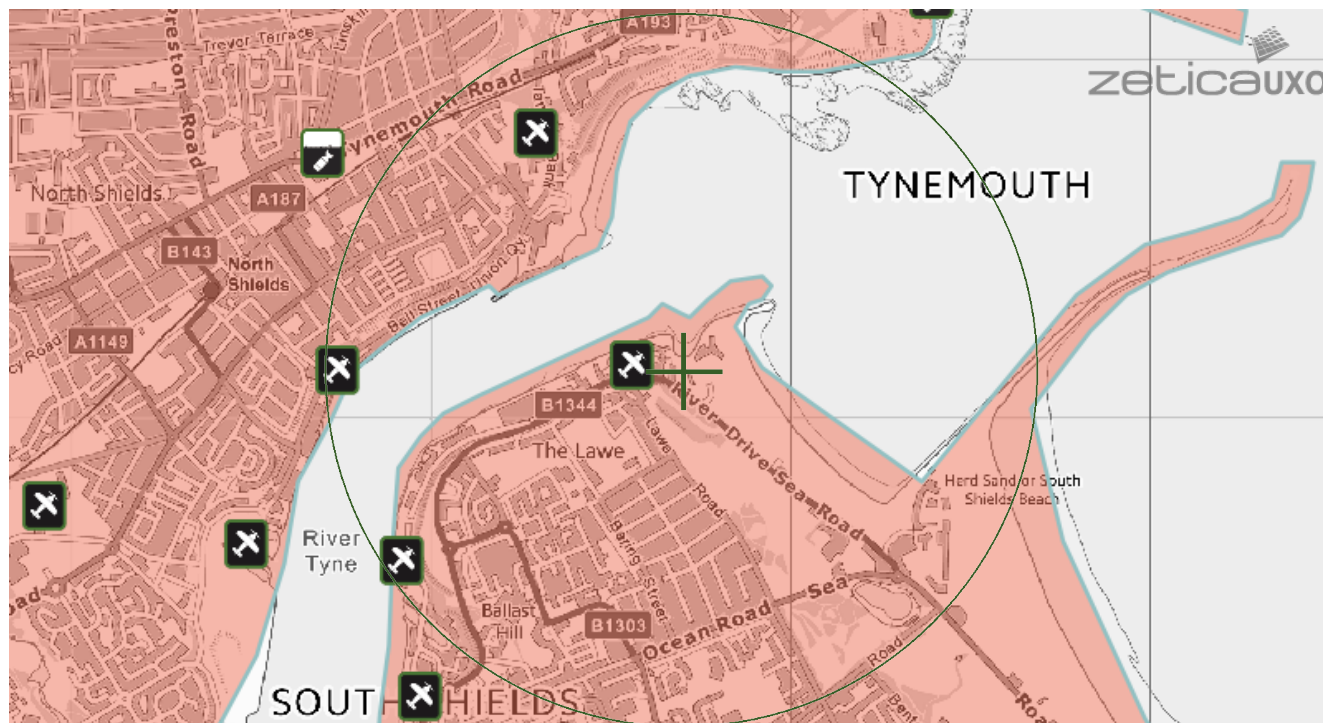
Company Reg: 14666538

www.rmsuxo.com

UNEXPLODED BOMB RISK MAP

SITE LOCATION

Location: NE33 1LH,
Map Centre: 436668,568140



This map principally indicates a hazard from Unexploded Bombs (UXB) due to WWII bombardment. Other sources of Unexploded Ordnance (UXO) may be present. It should be noted that this map does not represent UXO risk and should not be reported as such when reproduced.

LEGEND

- High:** Areas indicated as having a bombing density of 50 bombs per 1000acre or higher.
- Moderate:** Areas indicated as having a bombing density of 15 to 49 bombs per 1000acre.
- Low:** Areas indicated as having 15 bombs per 1000acre or less.

- Military
- Industry
- UXO find
- Other
- Transport
- Docks
- Luftwaffe targets
- Utilities
- Bombing decoy
- Airfields

How to use your Unexploded Bomb (UXB) risk map?

This map indicates the potential for UXBs to be present because of World War Two (WWII) bombing. It can be incorporated into a technical report, such as a Phase 1 Desk Study, or similar document as an indication of the potential for UXO encounter on a Site. Other sources of UXO may also be indicated, although note that these are not comprehensive and more detailed research is required to confirm their presence.

What if my Site is in a moderate or high density area?

We typically recommend that a detailed UXO desk study and risk assessment is undertaken for sites in an area with a moderate or high bombing density. Additionally, if your site is in close proximity to a strategic target, military establishment, airfield or bombing decoy, then [additional detailed research](#) is recommended.

If my site is in a low risk area, do I need to do anything?

If both the map and other research confirm that there is a low potential for UXO to be present on your site, then, subject to your own comfort and risk tolerance, works can proceed with no special precautions.

If you are unsure whether other sources of UXO may be present, you can request one of our [pre-desk study assessments \(PDSA\)](#) by emailing a site boundary and location to pdsa@zetica.com.

You should never plan site work or undertake a risk assessment using these maps alone. More detail is required, to include an assessment of the likelihood of a source of UXO hazard from other military activity not reflected on these maps.

If I have any questions, who do I contact?

tel: [+44 \(0\) 1993 886682](tel:+44201993886682) email: uxo@zetica.com web: www.zeticauxo.com

The information in this UXB risk map is derived from a range of sources and should be used with the [accompanying notes on our website](#).

Zetica cannot guarantee the accuracy or completeness of the information or data used and cannot accept any liability for any use of the maps. These maps can be used as part of a technical report or similar publication, subject to acknowledgement. The copyright remains with Zetica Ltd.

APPENDIX IV

Conceptual Site Model (CSM)

CRITICAL POLLUTANT LINKAGES

SOURCE	PATHWAY	RECEPTOR
S 1. Made ground associated with the reclaimed land (ballast) and the current and previous developments on the site 2. Potential ground gases from the made ground on this site	P 1. Ingestion & Dermal Contact 2. Air – Inhalation of vapours (indoor & outdoors) and contact with dust generated through the construction works 3. Plant Uptake and attached soil 4. Migration through existing service corridors 5. Direct contact with building materials 6. Surface runoff & Infiltration	R 1. Human health - future end users and construction workforce. (end use taken as 'Residential without homegrown produce' due to proposed nursery) 2. Controlled Waters: Groundwater – anticipated within the superficial and bedrock deposits (both Secondary Aquifers - A) 3. Adjacent sites 4. Building materials 5. Flora and fauna

Indicative section through site using a NORTH to SOUTH orientation

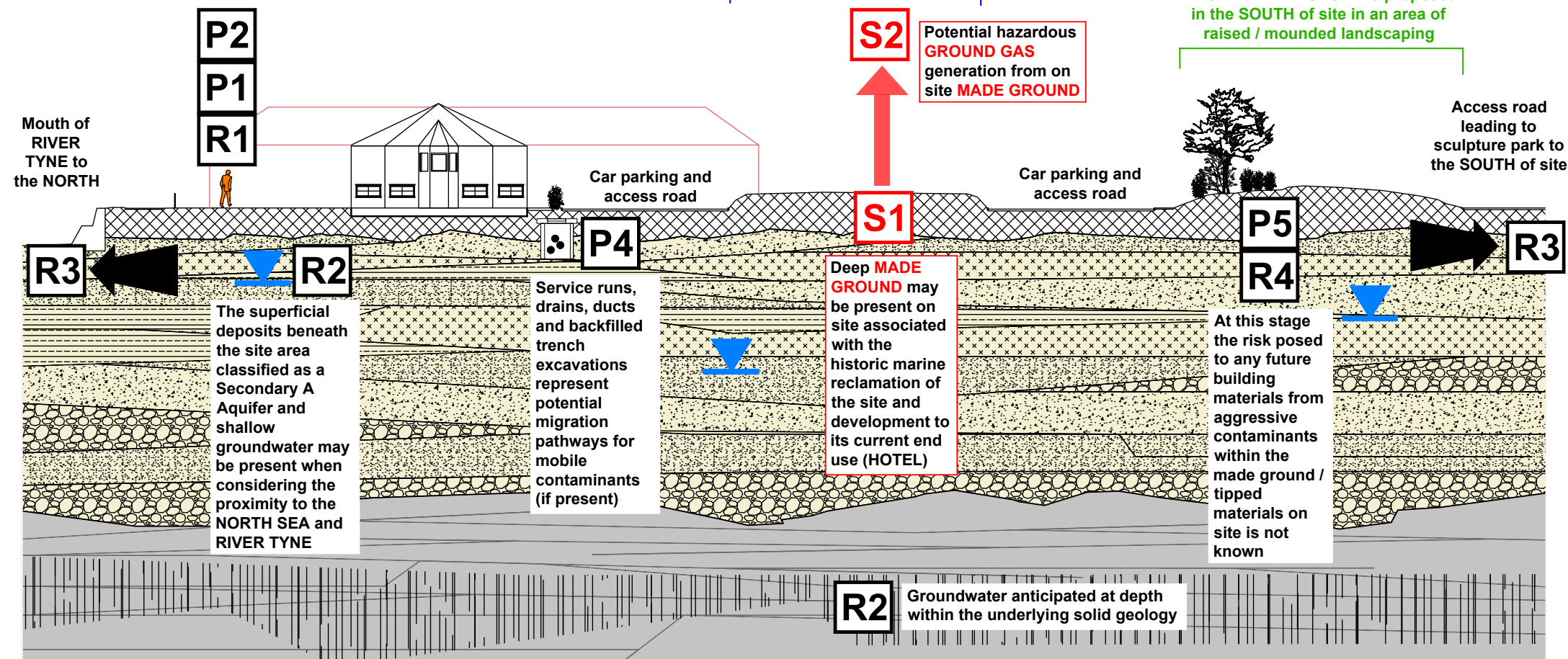
P6 Infiltration of rainfall through permeable (grassed) site surfacing. Surface runoff limited due to relatively flat site topography. Superficial deposits classed as low permeability

When considering the existing HOTEL on site and future buildings and extensions proposals, the risk posed to end users (staff and customers) from any made ground materials on site via **INGESTION, DERMAL CONTACT** or **INHALATION OF DUST/FIBRES** is felt to be **LOW to MODERATE**. During future groundworks, contractors should adopt safe working practice and wear suitable PPE to reduce any risk posed by impacted materials within the made ground on site

3 no. separate **EXTENSIONS** area proposed to the existing hotel building. The extension areas currently comprise areas of soft and hard landscaping

A new standalone **GYM** facility is proposed on the current raised / mounded roundabout feature on site

A new **BEACH NURSEY** is proposed in the **SOUTH** of site in an area of raised / mounded landscaping



STRATA DETAILS



MADE GROUND:
In accordance with the published BGS maps, significant thicknesses of made ground are not shown to be onsite, however made ground is anticipated onsite in relation to the current onsite developments, historic site use and historic reclaimed land (ballast)

See section

DRIFT DEPOSITS:

Published geological maps produced by BGS indicate that the site is located in an area overlain by Beach deposits with the western portion of the site being overlain by Blown Sand. These deposits typically comprise sands with subsidiary gravels along with bedded or chaotic shingle, sand, silt and clay. Previous onsite BGS boreholes record the superficial deposits to comprise of sand and gravel to depths of >29m bgl



SOLID GEOLOGY:

According to published BGS data, the site is underlain by the Pennine Middle Coal Measures (PMCM). These deposits are typically comprised of interbedded grey mudstone, siltstone, pale grey sandstone and coal seams



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web: www.arc-environmental.com

The contractor shall check all dimensions on site before commencement of any works. No dimensions to be scaled off this drawing.
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rev. date amendments drawn chkd

Client:

SHED

Project Title:

Proposed Extensions to the Existing Building
& New Buildings, Liven Haven Hotel
South Shields, NE33 1LH

Drawing Title:

Conceptual Site Model

Scale at A3: NTS @ A3 Date: 26.01.26 Drawn by: P.D. Approved by: S.D.

Job Ref: 25-810 Drg no: — Rev: —