

Phase 1: Desk Study

Project Meridian, Fujifilm, Billingham

Turner and Townsend

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PHASE 1 DESK STUDY

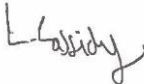


PROJECT MERIDIAN, FUJIFILM, BILLINGHAM

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Revision	Date	Prepared By	Signed
Final	July 2019	L Cassidy <i>Environmental Engineer</i>	
		Checked By	
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		R Woods <i>Principal Geotechnical Engineer</i>	

1 EXECUTIVE SUMMARY

Site Address	Fujifilm, Belasis Avenue, Billingham
Site Description	<p>The desk study area is located on a parcel of land between Central Avenue and Belasis Avenue.</p> <p>The site is triangular in shape and has a mostly flat and even topography. The site is currently mostly disused following the demolition of the buildings. The eastern portion of the site is used for carparking.</p> <p>Hardstanding is present across much of the site, with some soft landscaping present around the site perimeter.</p> <p>The site is secure with fencing on all sides.</p>
Site History <i>On Site</i>	The earliest maps (1857) show that the site was undeveloped. By the 1930s the site was utilised as a sports ground, with a large building replacing the sports ground by the 1960s, which was demolished by 2019.
<i>Offsite</i>	From the earliest mapping the area around the site was predominantly rural. The surrounding area quickly industrialised from the 1930s to the 1950s, particularly with residential development to the west and industrial land to the southeast
Proposed End Use	The proposed development is outlined to be commercial/industrial.
Environmental Setting <i>Landfill & Waste</i>	There is one landfill and seven Integrated Pollution Control waste sites within 500m of the site.
<i>Regulated Industries</i>	There are 26no contemporary trade directory entries within 500m of the site. There are no fuel station entries within 500m of the site.
<i>Geology</i>	The solid geology beneath the site is likely to mostly comprise Sherwood Sandstone. The drift deposits on site are likely to comprise of glaciolacustrine deposits.
<i>Hydrogeology</i>	Using the Environment Agency's Policy and Practice for the Protection of Groundwater the solid geology beneath the site is classified as a Principal Aquifer. The overlying drift is classified as a Secondary Aquifer – A.
<i>Hydrology</i>	<p>The site does not lie within a source protection zone.</p> <p>There are no Ground Water Abstractions located within 1km of the site.</p>
<i>Flooding</i>	The nearest surface water feature is an unnamed tertiary river located 805m northeast of the site.
<i>Radon Gas</i>	The Envirocheck Report states the site is not at risk of Flooding from Rivers and the Seas without defences, and there are no flood defences, flood water storage areas or areas benefiting from flood defences and flood storage present within 250m of the site.
Preliminary Geotechnical Assessment	The site is not in a Radon Affected Area, as less than 1% of properties are above the Action Level. No radon protection measures are necessary for new buildings or extensions on the site.
Preliminary Mining Assessment	Depending on design loads, the use of strip, pad or piled foundations for the new development is anticipated at present. Where loose made ground or soft/loose natural deposits are encountered, foundations will need to be taken through the made ground/disturbed ground into underlying natural strata of adequate bearing capacity.
Preliminary Contamination Assessment	The site is not located within a Coal Mining Affected Area, therefore no further investigation is required to mitigate against risks from Coal Mining.
Potential Sources of Ground Gas	The desk study has shown that the site may have been exposed to some contamination, with construction/demolition waste and possibly oils or fuel from vehicle spills the most likely source local to the structures. Asbestos may also be present on the site from previous building cladding and roofing.
Phase Two Recommendations	Made ground is expected on site, therefore ground gas assessment is recommended due to the nature of the development.
	<ul style="list-style-type: none"> • A series of small percussive and deeper cable percussive boreholes with insitu testing and samples. • Gas monitoring comprising six visits over three months. • A series of machine dug trial pits for sampling, insitu soakaways and CBRs. • Geotechnical testing. • Chemical testing.

2 INTRODUCTION AND SCOPE OF INVESTIGATION

Solmek were instructed by Turner and Townsend to undertake a desk study on a parcel of land at the North Site of Fujifilm, Belasis Avenue, Billingham. The proposed development is outlined to be commercial.

The following steps may be required in the investigation and remediation of potentially contaminated land:

- Phase 1: Desk Study
- Phase 2: Intrusive Investigation
- Phase 3: Remediation Statement
- Phase 4: Validation Reports

Phases 1 and 2 are generally required in the redevelopment of most sites. Phases 3 and 4 are subject to the findings of the initial stages. This report represents Phase 1 of the site investigation.

The purpose of this Phase 1 Desk Study is to evaluate likely ground conditions and significant environmental issues at the site, and to plan the scope of subsequent phases of investigation.

This report may be regarded as a Preliminary Risk Assessment in accordance with the Environment Agency's guidance document *Model Procedures for the Management of Land Contamination* (CLR 11, 2004) and its successor document *Land Contamination: Risk Management* (2019).

This Phase 1 Desk Study has been undertaken with due regard to current contaminated land guidance issued by the Royal Institution of Chartered Surveyors (RICS) together with BS 10175:2011+A1:2013, "*Investigation of Potentially Contaminated Land - Code of Practice*" and relevant sections of BS 5930: 2015, "*Code of Practice for Ground Investigations*".

The objectives of the investigation are as follows:

- Determine the land use history of the site from an inspection of available Historical Maps
- Determine the environmental setting of the site from available sources
- Determine whether past mining may have had an influence on the site
- Determine whether the site has previously been used for purposes that may have given rise to significant ground contamination
- Provide recommendations for further investigation.

3 SITE WALKOVER AND DESCRIPTION

3.1 General

The centre of the site is located at OS Grid Ref 446540, 522750 and covers an area of approximately 3.36Ha. The area is located at Belasis Avenue, Billingham, TS23 1LH.

The preliminary site inspection was undertaken on the 27th June 2019 and site photographs are presented in Appendix A.

3.2 Site Description

The desk study area is located on a parcel of land between Central Avenue and Belasis Avenue.

The site is triangular in shape and has a mostly flat and even topography. The site is currently mostly disused following the demolition of the former structures. The eastern portion of the site is used for carparking.

Hardstanding is present across much of the site, with some soft landscaping present around the site perimeter.

The site is secure with fencing on all sides.

3.3 Off Site Features

The site is bordered by roads on all sides. Industrial land is present to the south and east whilst land to the north and west is generally residential.

4 SITE HISTORY

4.1 Map Descriptions

In order to determine the history of the site, previous editions of Historical Maps and Ordnance Survey Plans were inspected. The Historical Maps are presented in Appendix B.

Table 1 presents a summary of the history of the area which includes plots from 1857 to 2019. The summary focuses on the historical land uses and changes relevant to the site and the proposed end use. Measurements are taken from the nearest boundary of the site and all distances quoted are approximate.

TABLE 1: SUMMARY OF SITE HISTORY

OS Map Edition	On-site Features	Off-site Features
1857 1:2,500 & 1859 1:10,560	A track runs through the northwest of the site. A small pond is present in the south of the site.	A road runs along the south of the site, forming a junction at the sites southwestern corner. A railway line is present 250m north of the site. Billingham is present 400m southwest of the site. The remainder of the surrounding area generally comprises fields.
1897 1:2,500 & 1899 1:10,560	No significant change.	Clarence Brick Works are present 150m north of the site. Two old clay pits are noted ca. 450m northwest of the site.
1915-1916 1:2,500	No significant change.	No significant change.
1923 1:2,500	No significant change.	The site of the Clarence Brick Works are labelled as an Old Clay Pit.
1938-1939 1:10,560 & 1939 1:2,500	The track no longer runs through the site. On the 1939 map, a Club is shown in the southwest of the site, which is now labelled as a Sports Ground.	Roads have been constructed immediately north and west of the site. Significant construction has begun between 0m and 1km west of the site, comprising housing, schools and public baths. Further construction has occurred 0-250m south and southwest and 500m north. The land to the south has been developed with industrial buildings and railway sidings.
1951-1952 1:1,250 & 1952 1:2,500	A football ground is now labelled in the centre of the site, with a pavilion, stands and terraces noted around the pitch.	The land north of the site is now labelled as a sports ground. Numerous tanks and electrical substations are noted between 100 and 200m south of the site.
1954 1:10,000	No significant change.	The land within 1km of the site is predominantly developed, with housing to the north, west and southwest, and industrial land to the southeast.
1954-1962 1:1,250	A large L shaped arrangement of buildings has been constructed in the centre of the site, labelled as a Works.	A large stadium is now present 50m north of the site. Further large buildings have been constructed 50m southeast of the site.
1964-1969 1:2,500	No significant change.	No significant change.
1972-1981 1:1,250 & 1975 1:10,000	The building on-site is labelled as Offices.	No significant change.
1986 1:1,250 & 1987 1:10,000	No significant change.	No significant change.
1992 1:1,250 &	No significant change.	No significant change.

1993 1:10,000		
2000 1:10,000	No significant change.	No significant change.
2019 1:10,000	The building on-site has been demolished.	No significant change.

4.2 Potential Contamination Sources Identified via Historical Plans

Contamination from historical land uses within a 250m radius of the site have been identified:

Made ground from materials used to infill depressions and form a level area for access or building. This may include brick, concrete, timber, ash, slag, coal and metals. There is considered to be a high potential for deep made ground across the site, particularly in the centre, beneath the former offices.

Construction/demolition waste from construction and demolition across the site over the documented history. This may include brick, concrete, timber, asbestos and metals. Historically road construction used ash as a sub-base material.

5 ENVIRONMENTAL SETTING

5.1 Information Sources

The environmental setting of the site was determined through reference to the following:

- Envirocheck Report (including historical map extracts)
- British Geological Survey (BGS): 1:50 000 geological map series sheet 33 Stockton Solid and Drift Edition (1987)
- BRE Publication BR211 Radon: Guidance on Protective Measures for New Dwellings

5.2 Landfill and Waste

The Envirocheck Report indicates that there are seven Integrated Pollution Control Registered Waste Sites located within 500m of the site. The nearest of these was located 84m east of the site and was classified as Incineration within the Waste Disposal Industry.

The Envirocheck Report indicates that there are no Registered Landfill Sites located within 500m of the site.

The Envirocheck Report indicates that there are no BGS Recorded Landfill Sites located within 500m of the site.

The Envirocheck Report indicates that there is one Historic Landfill Site located within 500m of the site. This was located 433m south of the site, with input dates between 15th September 1991 and 22nd December 1992 and the deposited waste including Inert Waste.

The Envirocheck report indicates that there are no Local Authority Recorded Landfill sites located within 500m of the site.

The Envirocheck Report indicates that there are no Waste Treatment, Transfer and Disposal Sites entries located within 500m of the site.

The Envirocheck Report indicates that there are no Licenced Waste Management Facilities located within 500m of the site.

5.3 Regulated Industries

The Envirocheck Report indicates that there are 26no Contemporary Trade Directory Entries located within 500m of the site. The nearest of these is located 39m west of the site and is a Joinery Manufacturers.

The Envirocheck Report indicates that there are no Recorded Fuel Sites located within 500m of the site.

The Envirocheck Report indicates that there are 46no records of Integrated Pollution controls located within 500m of the site. The nearest of these was located 12m southeast of the site and related to Inorganic Chemical processes within the Chemical industry.

The Envirocheck Report indicates that there are 8no records of Integrated Pollution Prevention and Control entries located within 500m of the site. The nearest of these is located 8m south of the site at Johnson Matthey and relates to Inorganic Chemicals; Non Metals Etc Eg Calcium Carbide.

The Envirocheck Report indicates that there is 1no Local Authority Pollution Prevention and Control site located within 500m of the site. This was located 49m west of the site and related to the respraying of road vehicles.

The Envirocheck Report indicates that there are 27no records of Registered Radioactive Substances located within 500m of the site. The nearest of these is located 7m east of the site at Johnson Matthey and relates to an authorisation under S13 RSA for the disposal of radioactive waste.

The Envirocheck Report indicates that there are 20no records of Planning Hazardous Substance Consents and Enforcements located within 500m of the site. The nearest of these is located 320m south of the site at Methanex UK Ltd. With the hazardous substance listed as unknown.

The Envirocheck Report indicates that there are 8no records of Control of Major Accident Hazard (COMAH) sites located within 500m of the site. The nearest of these was located 11m southwest of the site, at what was then Air Products (Chemicals) Teesside Ltd. This was an Upper Tier COMAH site.

The Envirocheck Report indicates that there are 2no records of Notification of Installations Handling Hazardous Substances (NIHHS) located within 500m of the site. The nearest of these was at ICI Chemicals & Polymers Ltd, 182m southeast of the site.

The Envirocheck Report indicates that there are no Substantiated Pollution Incidents or Sites Determined as Contaminated Land under Part 2A EPA 1990 entries located within 500m of the site.

5.4 Geology

The site is shown to be underlain by solid geology of Sherwood Sandstone.

The drift deposits on site are likely to comprise of Glaciolacustrine deposits of clay and silt in the west of the site and sand in the east of the site.

There are no faults on the site or within 500m.

5.5 Mining & Quarrying

The site is not located within a Coal Mining Affected Area, therefore no further investigation is required to mitigate against risks from Coal Mining.

The Envirocheck Report indicates that there are six BGS recorded Mineral Sites located within 1km of the site. The nearest is located 403m north-west of the site with the commodity listed as Common Clay and Shale (opencast).

The site is within a Non-Coal mining area of Great Britain, with the risk classified as Rare.

The site is within 1km of 16no Man-Made Mining Cavities. The nearest of these is located on the site, with the cavity type listed as Pillar & Stall Anhydrite Mine – Known Mined Ground.

The site is not within 1km of a Natural Cavity.

The site is not within 1km of a Brine Compensation area.

5.6 Geological Hazards and Instability

The Envirocheck report presents the maximum hazard ratings of ground stability hazards located on site as follows:

- Negligible hazard is posed by Ground Dissolution
- Very low hazard is posed by Collapsible Deposits and Landslides
- Low hazard is posed by Running Sand and Shrinking or Swelling clay
- Moderate hazard is posed by Compressible Deposits

5.7 Hydrogeology

Using the Environment Agency's Policy and Practice for the Protection of Groundwater the solid geology beneath the site is classified as a Principal Aquifer. The overlying drift is classified both as a Secondary Aquifer – A and an Unproductive Strata. The unproductive strata likely relates to the clay and silt anticipated in the west of the site, whilst the sand to the east formed a Secondary Aquifer - A.

The groundwater vulnerability is categorised as Secondary Superficial Aquifer – Medium Vulnerability and Principle Bedrock Aquifer – Low Vulnerability.

The site does not lie within a Source Protection Zone.

The Envirocheck Report indicates that there are no Water Abstractions located within 1km of the site.

5.8 Hydrology

The nearest surface water feature is an unnamed river located 805m northeast of the site.

The Envirocheck Report states there are no Licensed Discharge Consents entries within 500m of the site.

The Envirocheck Report states there are no Records of Water Industry Act Referrals (potentially harmful discharges to the public sewer) located within 500m of the site.

5.9 Flooding

The Envirocheck Report states the site is not at risk of Flooding or Extreme Flooding from Rivers and the Seas without defences.

The Envirocheck Report indicates that there are no flood defences, flood water storage areas or areas benefiting from flood defences and flood storage present within 250m of the site.

5.10 Sensitive Land Use

Local Nature Reserves are located 252m north (Charltons Pond) and 921m west (Billingham Beck Valley).

The site is located within a Nitrate Vulnerable Zone for surface water.

The site does not lie within 2km of any other form of Designated Environmentally Sensitive Sites or Protected Areas.

5.11 Radon Gas

The site is not in a Radon Affected Area, as less than 1% of properties are above the Action Level.

In accordance with the procedure described in BRE Publication BR211 Radon: Guidance on Protective Measures for New Dwellings, no radon protection measures are necessary for new buildings or extensions on the site.

6 CONCEPTUAL SITE MODEL

6.1 General

Based on the information presented in the preceding Sections, and in accordance with the CLR11 guidance noted in Section 1, a Preliminary Conceptual Site Model has been produced.

The main features of the model are discussed in the following sections together with preliminary recommendations where appropriate.

6.2 Likely Ground Conditions

It is expected that, based on available information, ground conditions are likely to be made ground comprising areas of both topsoil and hardstanding underlain by made ground of construction and demolition waste. Made ground is likely to be deepest beneath the former office/industrial building footprints, particularly where below ground carparking or basements are present. The drift deposits on site are likely to comprise of clay/silt in the west and sand in the east, overlying a sandstone bedrock.

6.3 Potential Buried Obstructions

Based on the site history, buried obstructions are likely across the site but particularly in the centre. Relic foundations, cobbles, bricks and stone blocks are the most likely obstructions.

6.4 Mining Assessment

The site is not located within a Coal Mining Affected Area, therefore no further investigation is required to mitigate against risks from Coal Mining.

6.5 Preliminary Geotechnical Assessment

Exact design loads have not been made available to Solmek, however given the expected ground conditions noted in the sections above, the use of strip or pad foundations for the new development is anticipated at present. Where loose made ground or soft/loose natural deposits are encountered, foundations will need to be taken through the made ground/disturbed ground into underlying natural strata of adequate bearing capacity.

Trees are present around the site perimeter and therefore foundations may need deepening in accordance with NHBC Standards Chapter 4.2.

If conventional foundations are inadequate to provide the necessary bearing capacity, piled foundations may be considered. Should a piling option be adopted, reference should be made to CIRIA documentation PR86 and PG6 for pile design and installation and the recommendations of the Federation of Piling Specialists on the requirements of pile design. Allowance should be made for the exploratory boreholes to exceed the pile end-bearing ultimate depth by 5m.

The above suggestions should be regarded as tentative until Phase 2 intrusive works are undertaken and information is available regarding design loads and development layout.

6.6 Preliminary Contamination Assessment

The desk study has shown that the site may have been exposed to some contamination, with construction/demolition waste and possibly oils or fuel from vehicle spills the most likely source local to the structures. Asbestos may also be present on the site from previous building cladding and roofing.

In view of the current and future site use, chemical contamination testing is considered necessary. The following chemical testing suite should be considered for selected soil samples:

TABLE 2: POTENTIAL PRIORITY CONTAMINANTS

Inorganic Contaminants	Organic Contaminants
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Antimony, Arsenic, Boron, Cadmium, Chromium, Lead, Mercury, Nickel, Zinc, Selenium, Free Cyanide, Soluble Sulphate, pH, Asbestos	Phenol, Organic Matter, speciated PAH, TPH CWG
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It should be noted that the above potential contaminants are considered to be commonly associated with the specified past land uses of the site, and adjacent land use. Risk assessment should be undertaken for contamination identified during intrusive investigation.

Potential pathways which link the potential contaminants to end users of the site and controlled waters (receptors) include the following:

- Ingestion of soil (outdoors) / dust (indoors)
- Skin contact with soil (outdoors) / dust (indoors)
- Inhalation of dust (outdoors and indoors)
- Contamination via buried water pipes
- Surface water run-off, including via existing drainage infrastructure
- Downward infiltration of leachable contaminants to groundwater

6.7 Potential Sources of Ground Gas

Ground gases such as carbon dioxide and methane can be classed as a form of contamination. Potential sources of ground gases include:

- Made Ground
- Quarries, Infilled Clay Pits & Infilled Ponds
- Underlying Natural Strata (alluvium, peat and chalk)
- Petrol re-fuelling sites (which also includes Volatile Organic Compounds)
- Landfill (on and off-site)
- Coal measures

Based on historical map evidence and consideration of the sites environmental setting the table below shows a preliminary comparison of *consequence* against *probability* where ground gas is considered a potential threat to human health.

TABLE 3: POTENTIAL GROUND GAS POLLUTION LINKAGES

Potential Sources	Potential Pathway	Receptor
Made ground (CO ₂ , CO and CH ₄).	Ingress and Accumulation into buildings from vertical and horizontal migration	Future users of site are likely to include adults and children. Construction workers (in particular utility workers).
Preliminary Comparison of Consequence versus Probability		
	Classification	Justification
Probability <i>(Based on Table 8.1, CIRIA C665, 2007)</i>	LOW LIKELIHOOD	Ground gas from made ground. No landfills located within 250m radius of the site. No coal mining in area.
Consequence <i>(Based on Table 8.2, CIRIA C665, 2007)</i>	MILD	Commercial/industrial development.
	Risk	Details
Consequence vs. Probability <i>(Based on Table 8.3, CIRIA C665, 2007)</i>	LOW RISK	It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realised, would at worst normally be mild. <i>(Based on Table 8.4, CIRIA C665, 2007)</i>

Given the conditions noted above a ground gas assessment is considered necessary for the site to observe standing groundwater levels and to allow measurements to be made of hazardous gases and/or contamination levels in groundwater. Monitoring should be undertaken following site works on a minimum of six occasions over three months.

6.8 Risk Assessment for Contaminated Land

As part of this Phase 1 Desk Study, a preliminary conceptual model and risk assessment is produced. This assessment should be revised following the Phase 2 Site Investigation outlining a qualitative risk assessment. Should there be unacceptable risks to the various receptors/end-users following the Phase 2 works, then a remediation strategy may be required to outline measures to satisfy Part 2A of the Environmental Protection Act (1990). The above measures are in line with CLR11 – Model Procedures.

The results of the chemical contamination testing as part of the Phase 2 investigation should be compared to a current Land Quality Management (LQM) – Suitable 4 Use Levels (S4UL) December 2014.

6.9 Conceptual Site Model

The conceptual model collates the salient aspects of the site to form a model which should enable comparison after fieldwork and testing. This model identifies the potential pollution linkages that may influence the proposed development and geotechnical considerations.

The risk ratings are based on the current potential liabilities and likely potential future liabilities. The risks posed by the geotechnical and contamination aspects of the site will be revised following site works, and any mitigating action required added.

The Preliminary Conceptual Model has been undertaken in accordance with CIRIA C552. The Preliminary Conceptual Model assesses the consequence and the likelihood of a risk being realised to provide a risk classification, which is then used to produce the Preliminary Conceptual Model. Full details of the tables used to assess consequence, likelihood and risk classification are presented in Appendix D.

TABLE 4 : PRELIMINARY CONCEPTUAL MODEL

Source	Pathway	Receptor	Risk Rating	Comments
Asphyxiating or explosive ground gases <ul style="list-style-type: none"> Made ground No landfills within 250m Not in Radon Affected Area 	Ground gas migration <ul style="list-style-type: none"> Migration through permeable soils Inhalation 	Future site users <ul style="list-style-type: none"> Transient adult workers 	Moderate /Low	Gas monitoring recommended. Six visits over three months proposed.
		Users during development <ul style="list-style-type: none"> Construction workers 	Low	
Areas of contamination <ul style="list-style-type: none"> Potential contaminants in made ground Potential demolition/construction waste 	<ul style="list-style-type: none"> Inhalation 	Future site users <ul style="list-style-type: none"> Transient adult workers 	Low	Mitigated by proposed structure hard standing – no gardens proposed.
		Users during development <ul style="list-style-type: none"> Construction workers 	Moderate /Low	Contamination testing required to determine risks posed during construction. Consideration to be given to Health and Safety Executive. Protection of Workers and the General Public During the Development of Contaminated Land.
	<ul style="list-style-type: none"> Inhalation Dust ingestion 	Users of surrounding sites <ul style="list-style-type: none"> Transient adult workers 	Low	Potential low risk during construction from dust generation. Contamination testing required to quantify the risks.
	<ul style="list-style-type: none"> Leaching of mobilised contaminants 	Solid geology <ul style="list-style-type: none"> Principal Aquifer 	Low	Medium sensitivity aquifer located beneath low permeability drift deposits.
		Drift geology <ul style="list-style-type: none"> Secondary Aquifer - A 	Low	Low sensitivity aquifer unlikely to contain significant groundwater.
	<ul style="list-style-type: none"> Drainage Lateral migration Accumulation of contaminated sediment 	Surface water features <ul style="list-style-type: none"> River 805m northeast 	Low	Very limited potential for contamination from site to reach surface water, either via surface run-off or groundwater movement.
	<ul style="list-style-type: none"> Uptake via roots and leaf surfaces 	Vegetation <ul style="list-style-type: none"> None on site or proposed 	Very Low	No potential for Vegetation impact as no vegetation is present or proposed.
Areas of contamination above service fabric or BRE Special Digest 1 thresholds	<ul style="list-style-type: none"> Direct contact 	Construction Materials <ul style="list-style-type: none"> Concrete 	Moderate /Low	pH and sulphates to be assessed during Site Investigation
	<ul style="list-style-type: none"> Direct contact 	Construction Materials <ul style="list-style-type: none"> Service Fabric 	Moderate /Low	Consideration to be given to Pipe Material Table (Appendix E) during Site Investigation.

7 PROPOSED PHASE TWO INTRUSIVE WORKS

A Phase 2 Site Investigation should be undertaken to verify the assumptions made in the Preliminary Conceptual Site Model and to provide data for foundation design.

An outline ground investigation strategy is summarised below, based on the preliminary conceptual site model and information obtained during the desk study.

7.1 Site Investigation Rationale

The Conceptual Model highlights that there is potential for contamination on the site. Therefore, an intrusive investigation should be undertaken with the sampling strategies outlined within BS10175:2011 +A1:2013 and CLR4:1994. These strategies can be considered as:

- Non targeted (BS10175) – If no obvious hotspots or potential sources of contamination have been outlined in the desk study, it would be recommended to utilise a stratified random pattern of sampling locations.
- Targeted (CLR4) – If a possible hotspot is suspected on the site, it is recommended to adopt a targeted approach to sample the immediate vicinity of the hotspot. Highly focussed sampling consisting of several samples within the area of the hotspot may be necessary to delineate the extent of the hotspot.

These strategies can be employed either separately or in conjunction and any site investigation should be individually tailored to each site.

The density of sampling required is defined within BS10175 which notes that the density required is dependent on a number of factors including confidence and robustness required, and contaminants, pathways and receptors present.

7.2 Site Specific Sampling Rationale

The analysis of historical maps and the Conceptual Model did not highlight any defined hotspots on the site. Therefore, a non-targeted approach should be utilised, with sample locations arranged evenly across the site in a defined pattern, in order to provide maximum site coverage. The chemical testing proposed for the site is outlined in Section 6.6.

7.3 Proposed Methods of Investigation

The methods of investigation outlined within Table 5 are considered necessary to address the risks outlined within the Conceptual Model. The locations of these investigation positions will be set out in line with the proposed sampling methodology outlined in Section 7.2

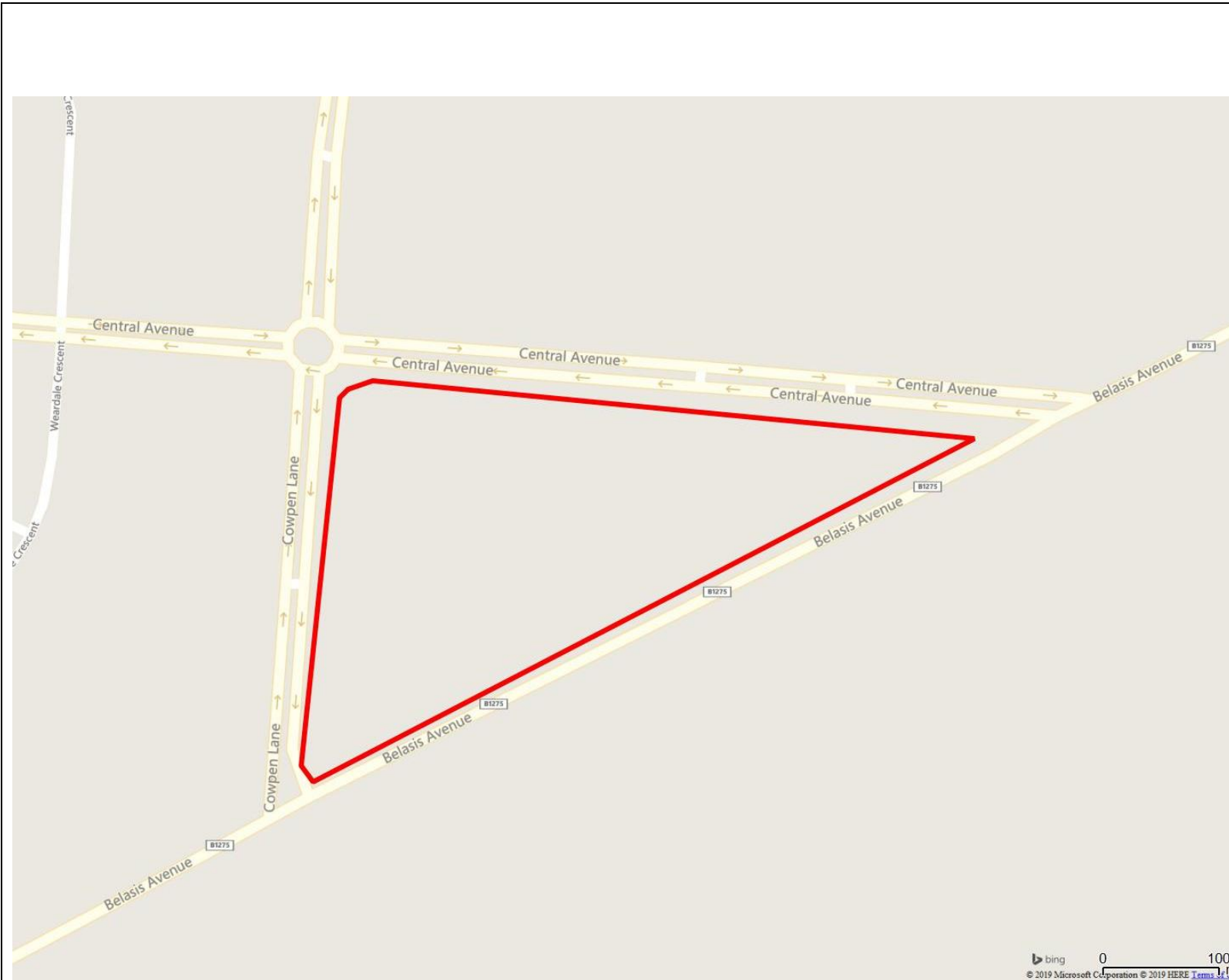
TABLE 5: SITE INVESTIGATION RECOMMENDATIONS

Proposed method of investigation	Purpose	Comments
Hand dug trial pits	Hand dug trial pits to 1.20mbgl to ensure positions are clear of underground services.	To be undertaken prior to the drilling of all boreholes and following CAT scanning an service plan inspection.
A series of small percussive boreholes to ca. 6.00mbgl	<ul style="list-style-type: none"> To determine shallow ground conditions. To collect soil samples for geotechnical and chemical testing. To observe soils profile, localised variations in materials and presence of groundwater. 	<ul style="list-style-type: none"> Ensure positions are CAT scanned and service plans inspected prior to any excavation. Hand vanes to be taken in cohesive deposits. SPT samples in granular strata and rock head. Disturbed and jar samples to be undertaken for chemical testing.
A series of cable percussive boreholes to ca. 20.00mbgl	<ul style="list-style-type: none"> To determine deeper ground conditions. To provide information for possible pile design. To collect soil samples for geotechnical and chemical testing. To observe soils profile, localised variations in materials and presence of groundwater. 	<ul style="list-style-type: none"> Ensure positions are CAT scanned and service plans inspected prior to any excavation. Hand vanes to be taken in cohesive deposits. SPT samples in granular strata and rock head. Disturbed and jar samples to be undertaken for chemical testing.
Trial pitting to ca. 3.00mbgl	<ul style="list-style-type: none"> To assess the shallow ground conditions and obtain samples for chemical testing. To undertake insitu hand shear vanes. To undertake soakaway tests and insitu CBR testing. 	Ensure positions are CAT scanned and service plans inspected prior to investigation. Trial pits required to accompany the boreholes.
Gas/groundwater monitoring wells	To observe standing groundwater levels and to allow measurements to be made of hazardous gases and/or contamination levels in groundwater.	Monitoring to be undertaken following site works on a minimum of six occasions.
Chemical testing	To allow the potential risks identified within the conceptual model to be addressed.	Chemical soils testing to cover potential priority contaminants from Table 2.
Geotechnical testing	To confirm material properties and to provide concrete classification of materials.	Tests may include sulphate analysis, pH, moisture content, Atterberg limit determination, particle size distribution tests and triaxial testing. Further tests may be required depending on the materials encountered.

SOLMEK



Appendix A

Maps & Photos



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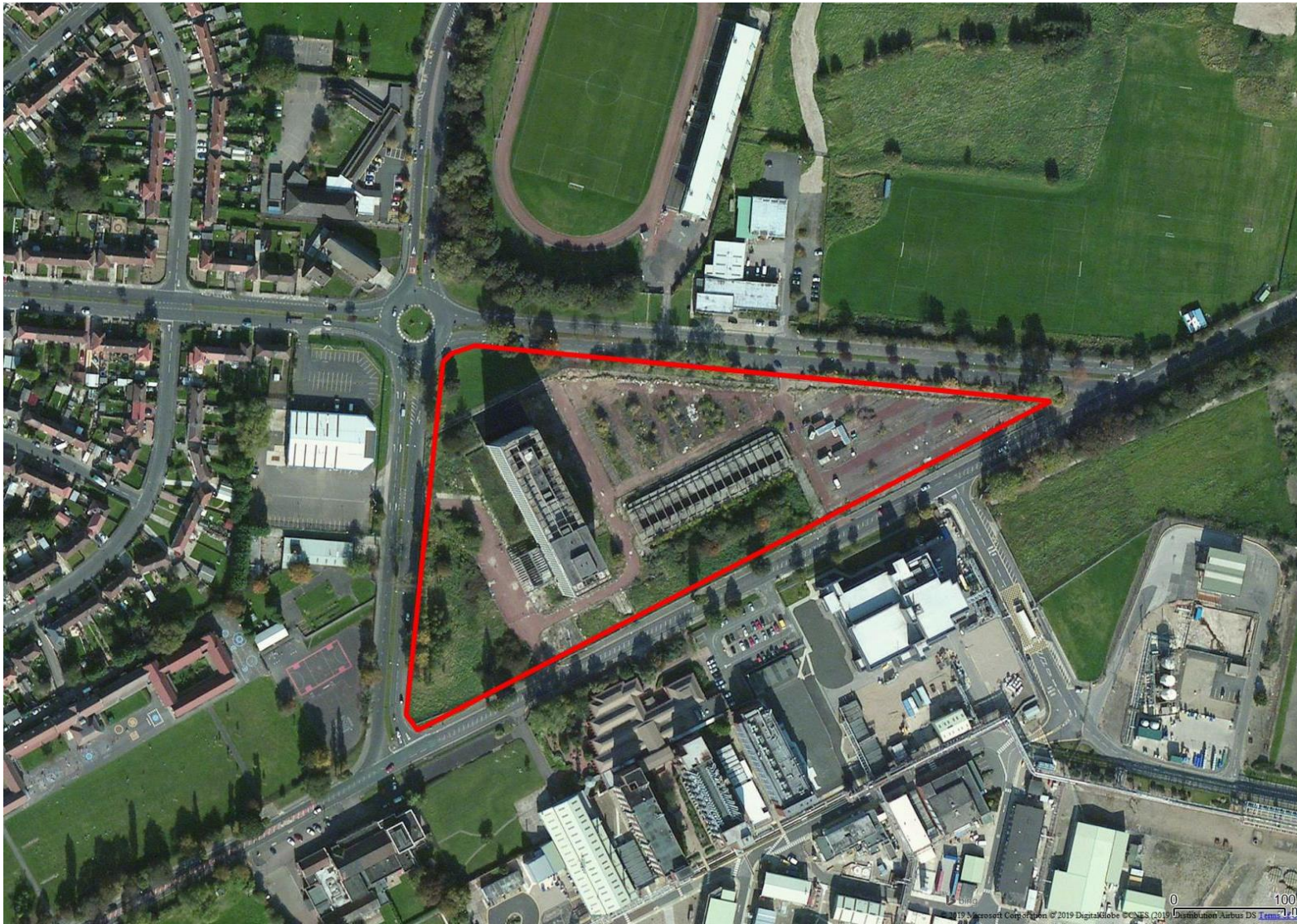
bing 0 100 m
 © 2019 Microsoft Corporation © 2019 HERE Terms & Conditions

Title	Site Location Plan
Project	Project Meridian, Fujifilm
Client	Turner and Townsend
Date	July 2019
Fig No.	Figure 1
Scale	On map
Key	 Approx. Site Boundary
	 N



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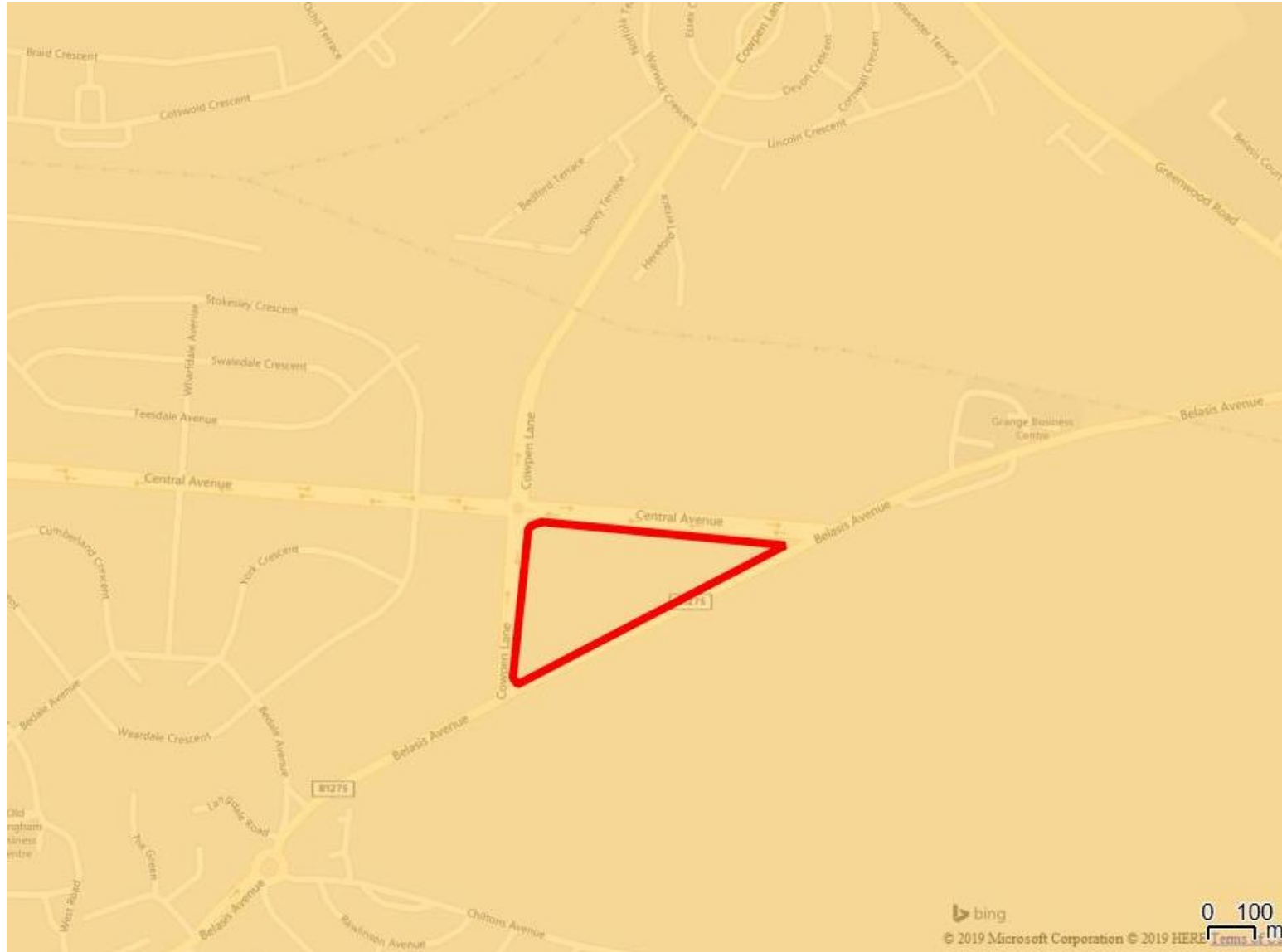
Contains Bing® Imagery ©Microsoft 2016

Title	Site Satellite Image
Project	Project Meridian, Fujifilm
Client	Turner and Townsend
Date	July 2019
Fig No.	Figure 2
Scale	On map
Key	 Approx. Site Boundary
	 N






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Title	Solid Geology Map
Project	Project Meridian, Fujifilm
Client	Turner and Townsend
Date	July 2019
Fig No.	Figure 3
Scale	On map
Key	<ul style="list-style-type: none">  Site Boundary  Sherwood Sandstone  Geological Fault  Coal Outcrop  Infilled Ground: mainly former opencast sites, brick pits and quarries



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Appendix B

Historic Mapping

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

- Chalk Pit, Clay Pit or Quarry
- Gravel Pit
- Sand Pit
- Disused Pit or Quarry
- Refuse or Slag Heap
- Lake, Loch or Pond
- Dunes
- Boulders
- Coniferous Trees
- Non-Coniferous Trees
- Orchard
- Scrub
- 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
- Civil Parish
- 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

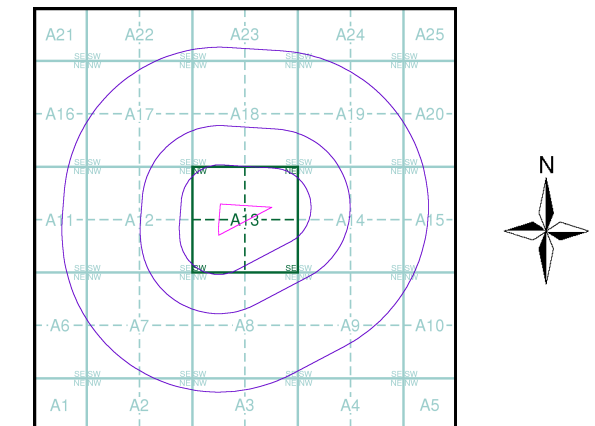
- Gravel Pit
- Rock
- Boulders
- Shingle
- Sand
- Slopes
- Refuse tip or slag heap
- Rock (scattered)
- Boulders (scattered)
- Mud
- Sand Pit
- Top of cliff
- General detail
- Overhead detail
- Multi-track railway
- County boundary (England only)
- District, Unitary, Metropolitan, London Borough boundary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



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Yorkshire	1:10,560	1856 - 1857	2
Durham	1:10,560	1859	3
Yorkshire	1:10,560	1895	4
Durham	1:10,560	1899	5
Durham	1:10,560	1923	6
Durham	1:10,560	1923	7
Yorkshire	1:10,560	1931	8
Yorkshire	1:10,560	1938	9
Durham	1:10,560	1938 - 1939	10
Ordnance Survey Plan	1:10,000	1954	11
Ordnance Survey Plan	1:10,000	1975	12
Ordnance Survey Plan	1:10,000	1987	13
Ordnance Survey Plan	1:10,000	1993	14
10K Raster Mapping	1:10,000	2000	15
Street View	Variable		16

Historical Map - Slice A



Order Details

Order Number: 208788509_1_1
 Customer Ref: S190632
 National Grid Reference: 446540, 522750
 Slice: A
 Site Area (Ha): 3.36
 Search Buffer (m): 1000

Site Details

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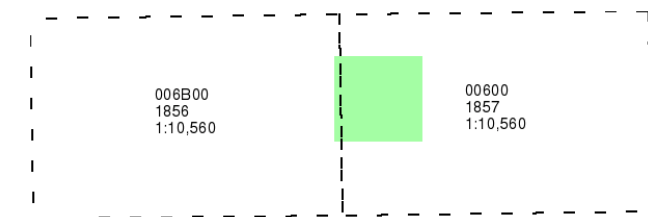
Yorkshire

Published 1856 - 1857

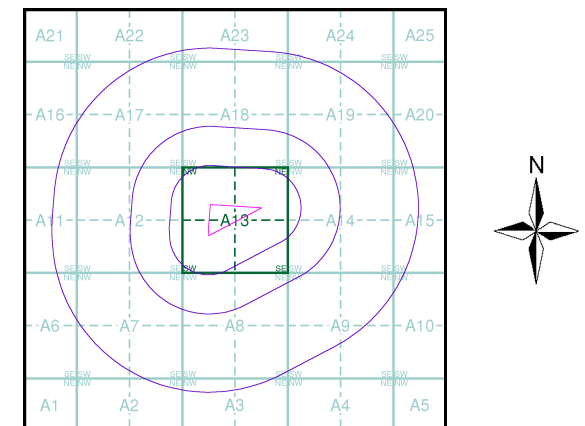
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps.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

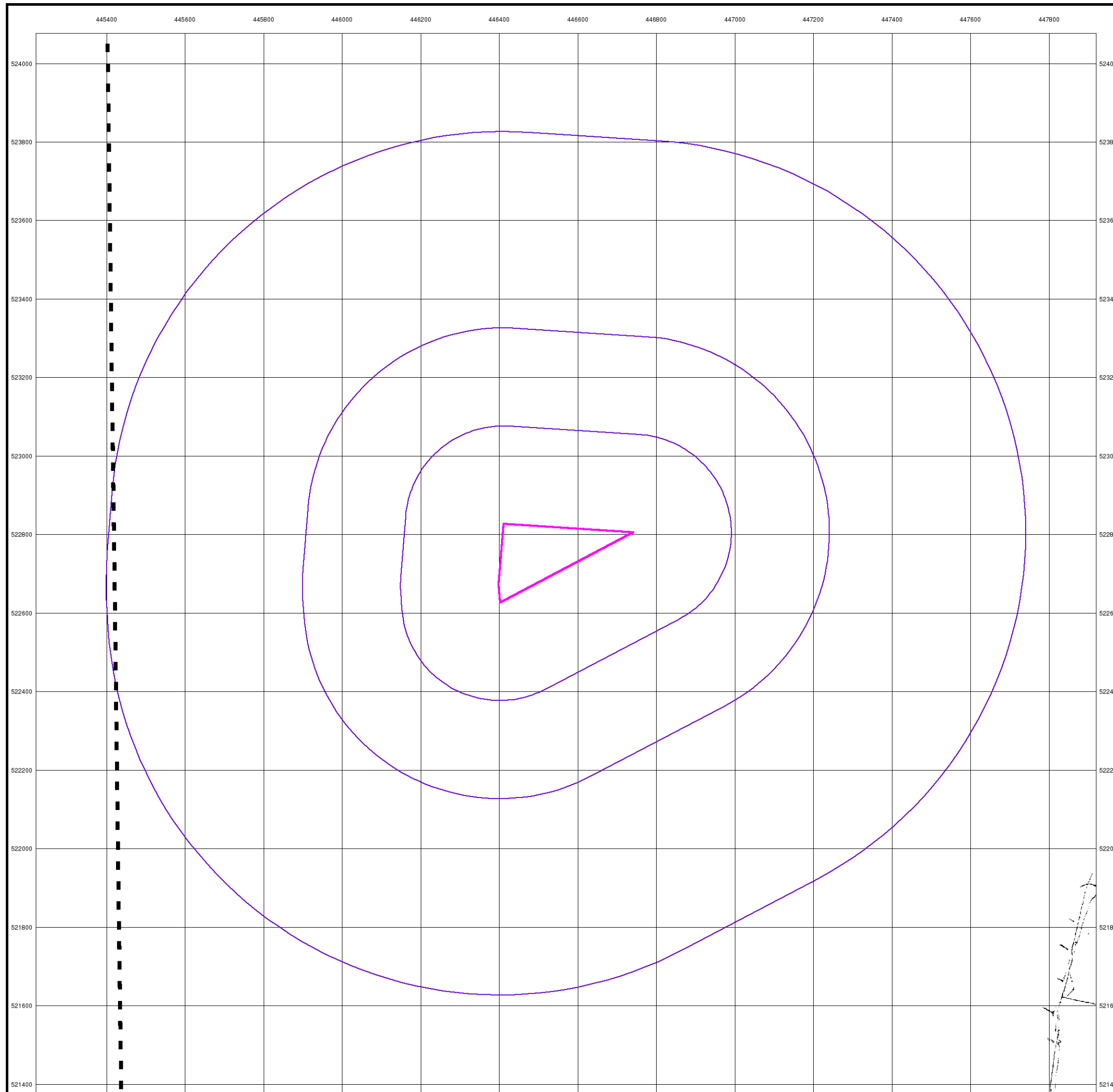


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Site Details

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Durham

Published 1859

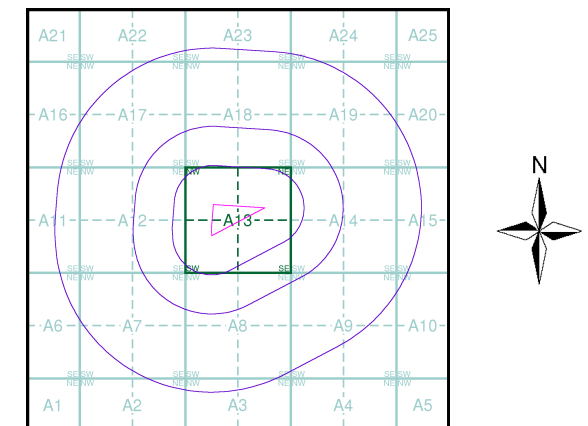
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Map Name(s) and Date(s)

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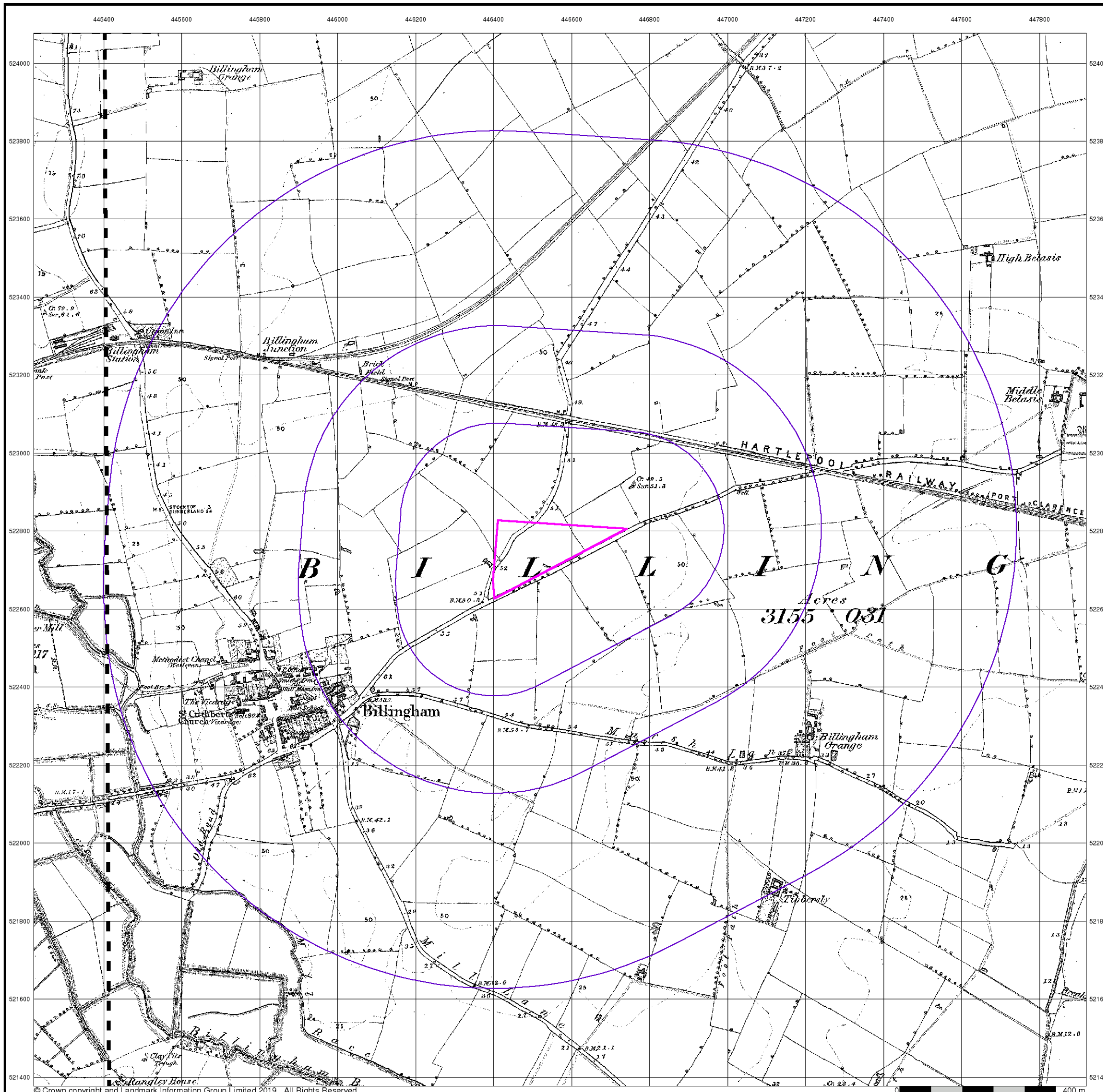


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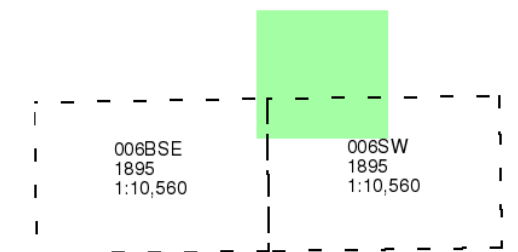
Yorkshire

Published 1895

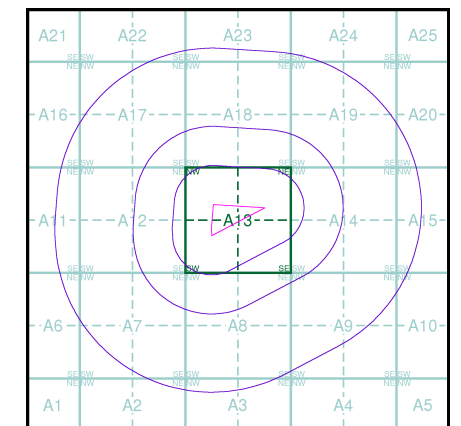
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Map Name(s) and Date(s)



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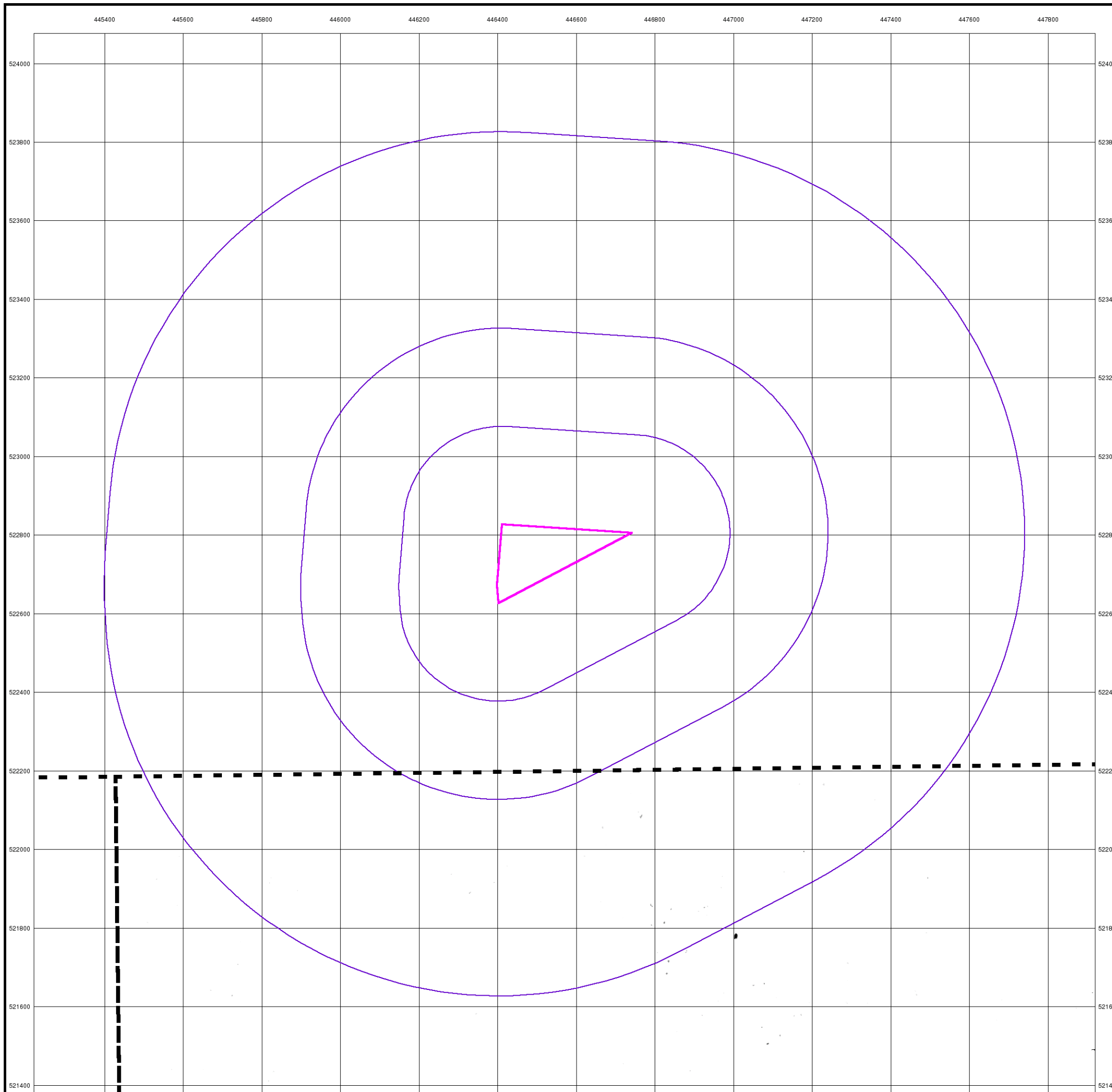


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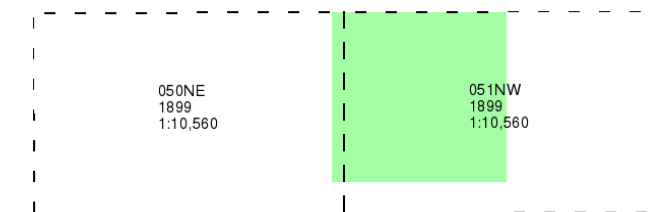
Durham

Published 1899

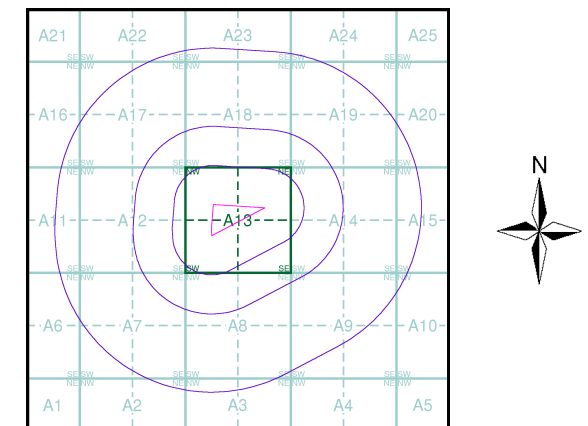
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Map Name(s) and Date(s)



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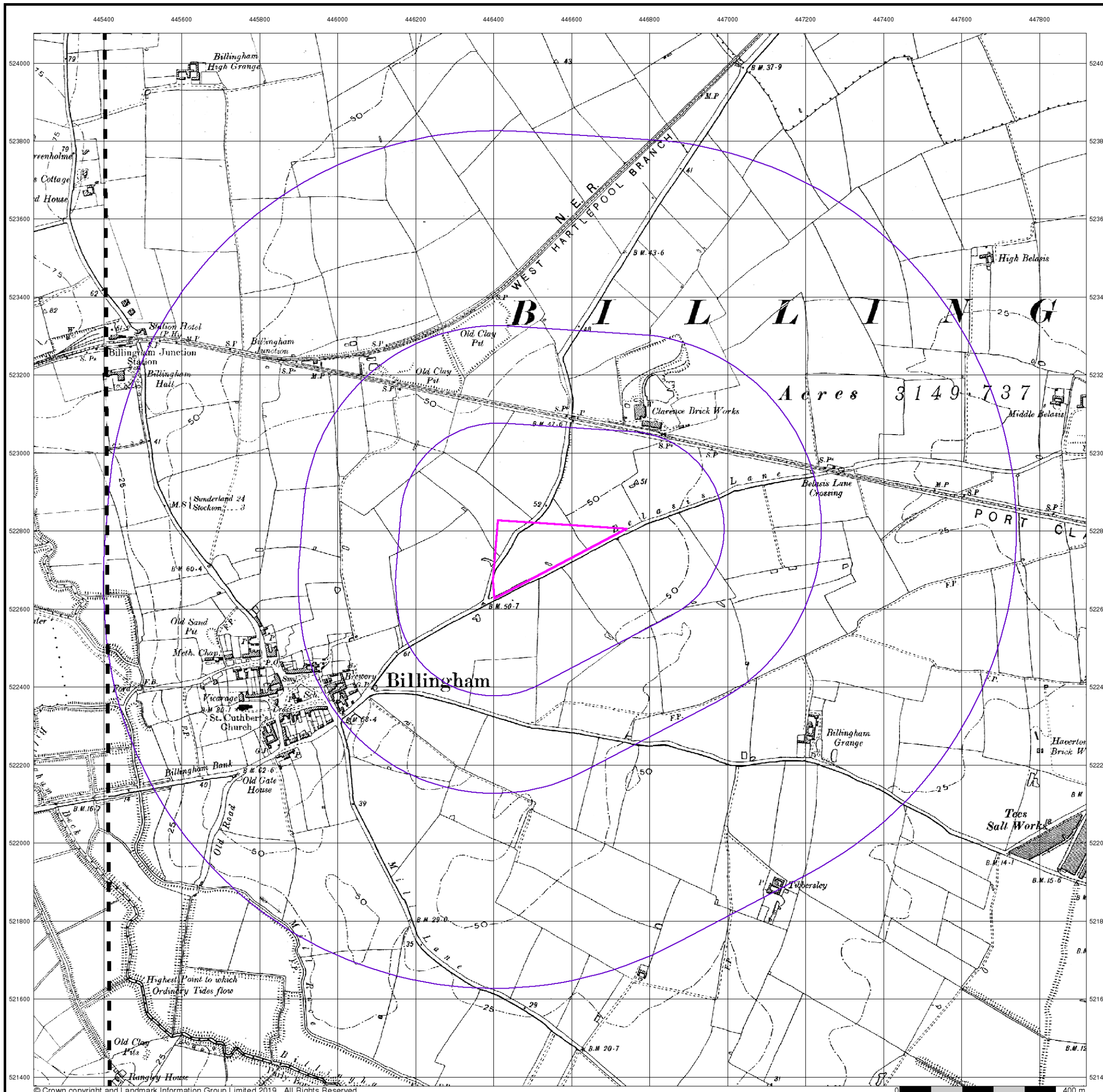


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Site Details

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Durham

Published 1923

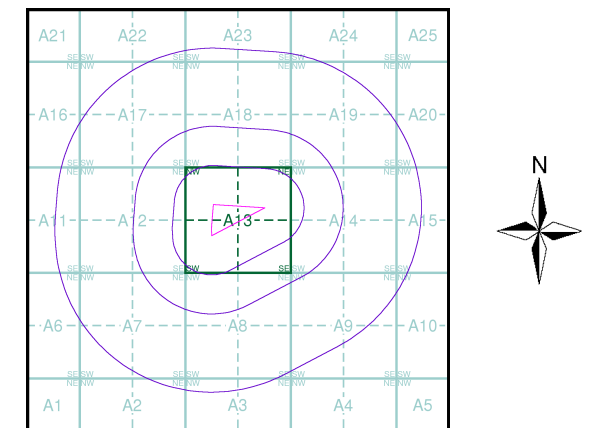
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Map Name(s) and Date(s)

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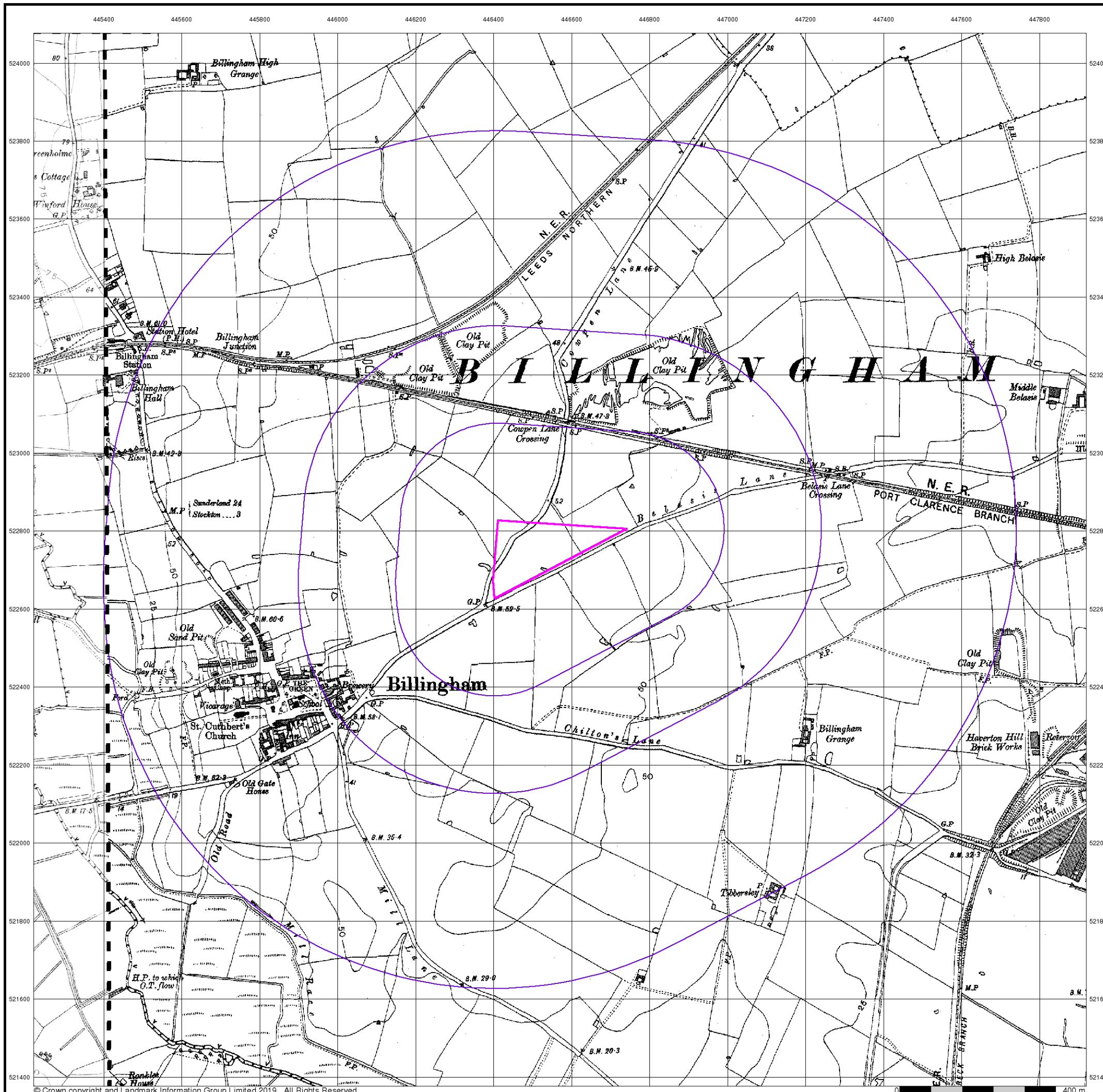


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Site Details

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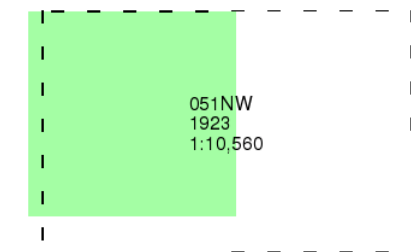
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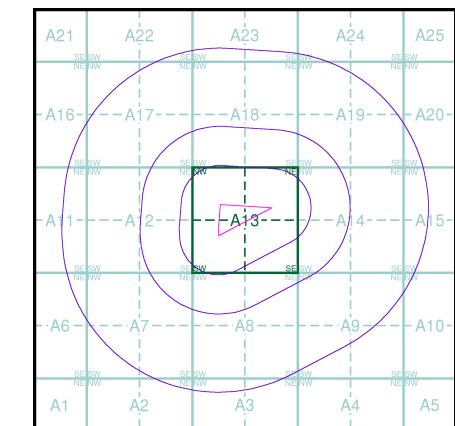
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Map Name(s) and Date(s)



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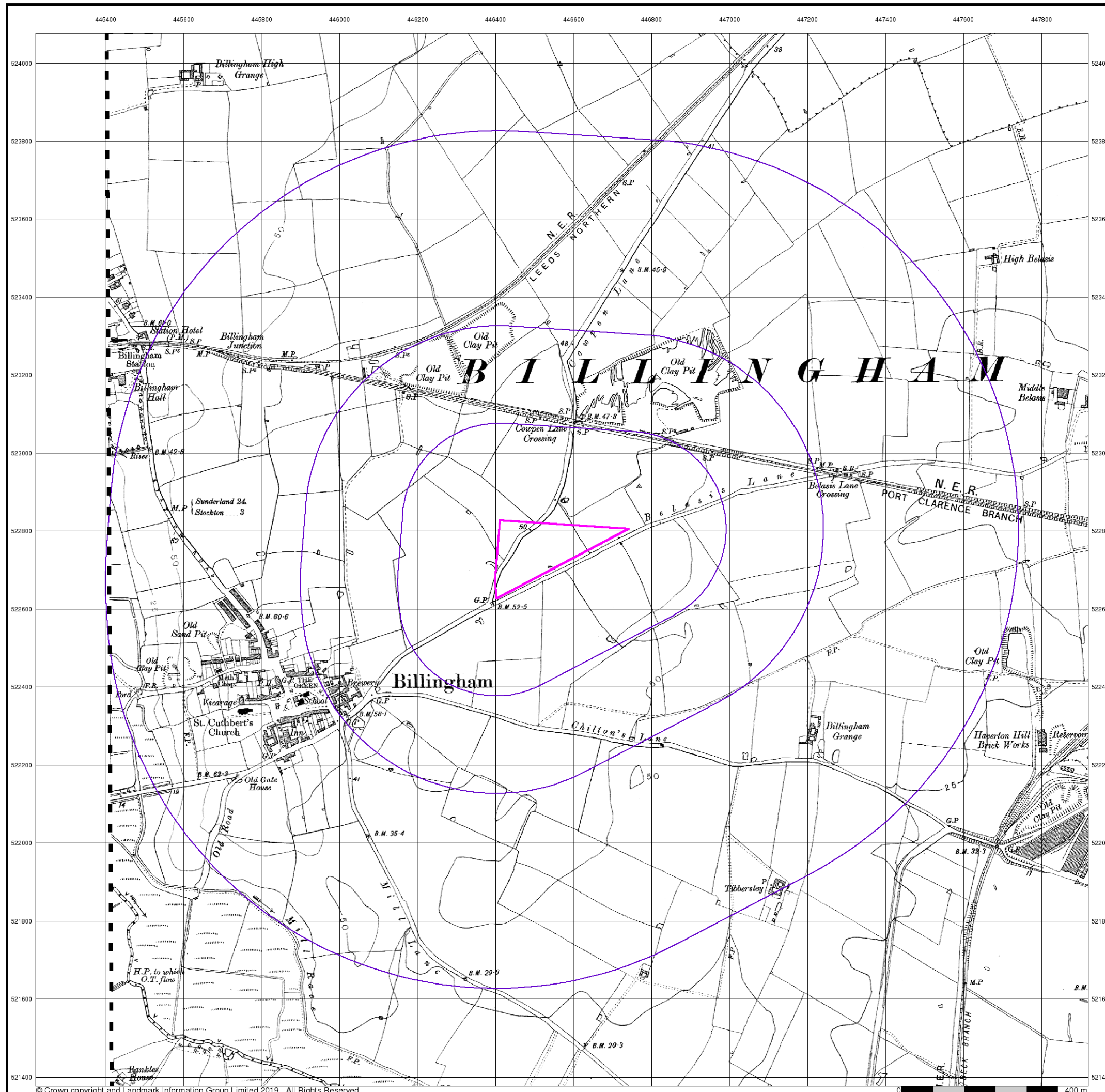


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Site Details

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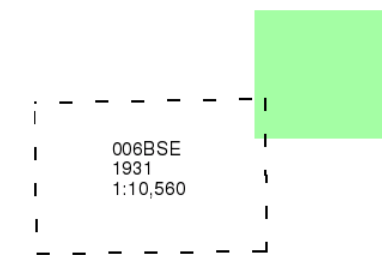
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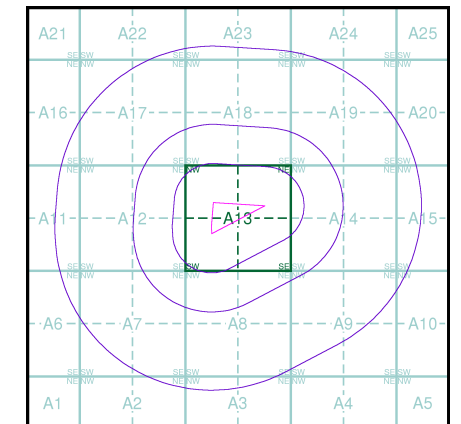
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Map Name(s) and Date(s)



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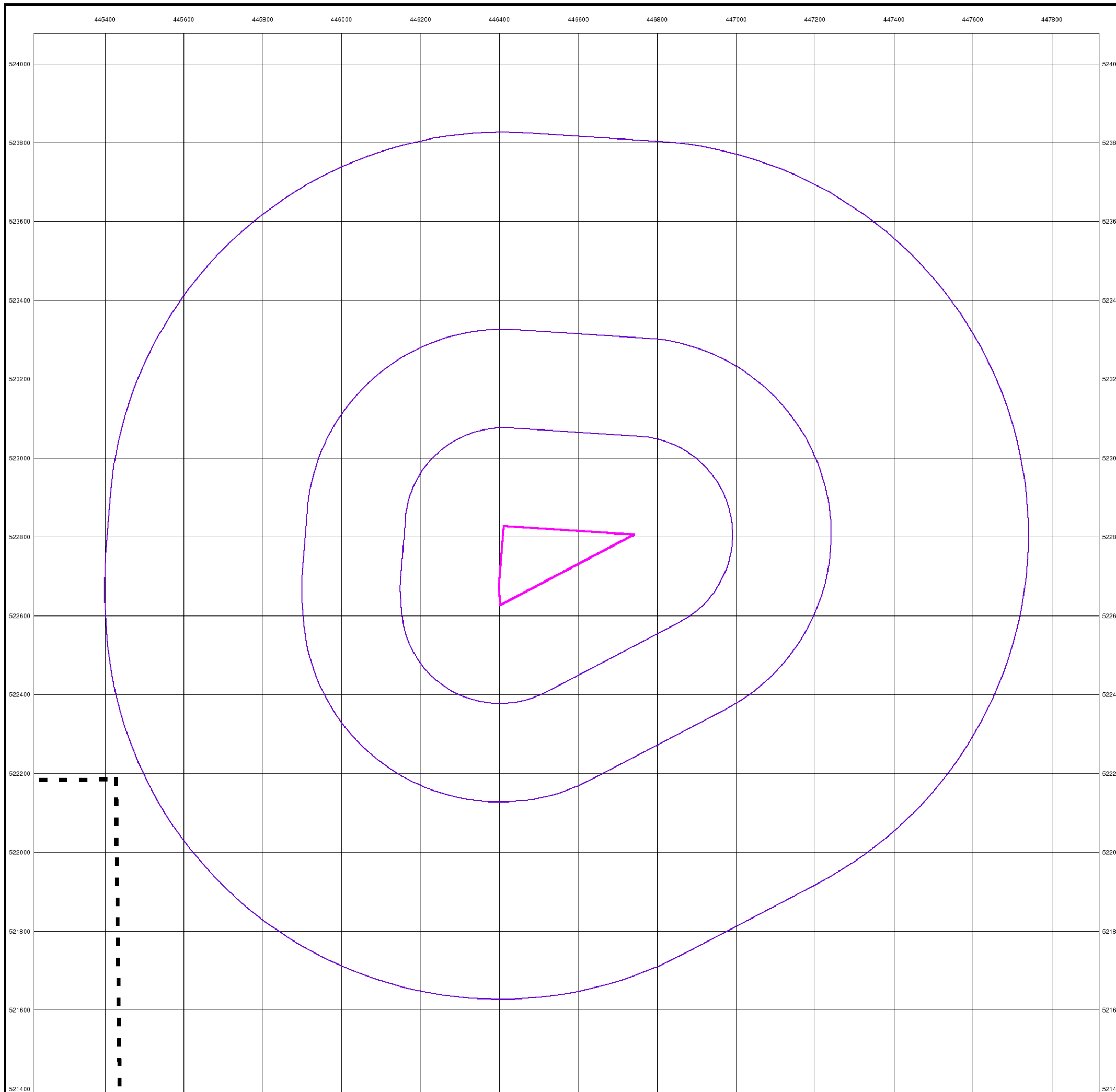


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Site Details

Fujifilm Diosynth Biotechnologies UK Ltd, Belasis Avenue, Billingham, TS23 1LH



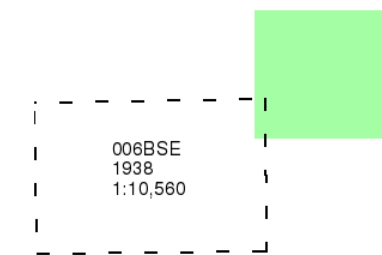
Yorkshire

Published 1938

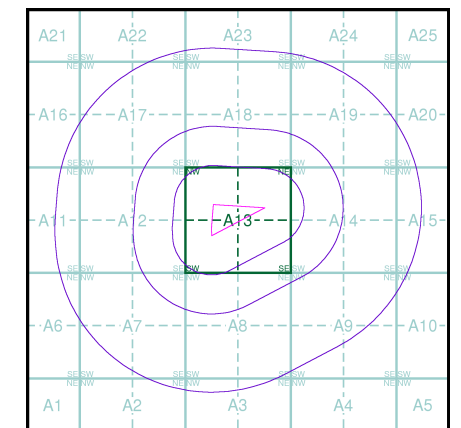
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Map Name(s) and Date(s)



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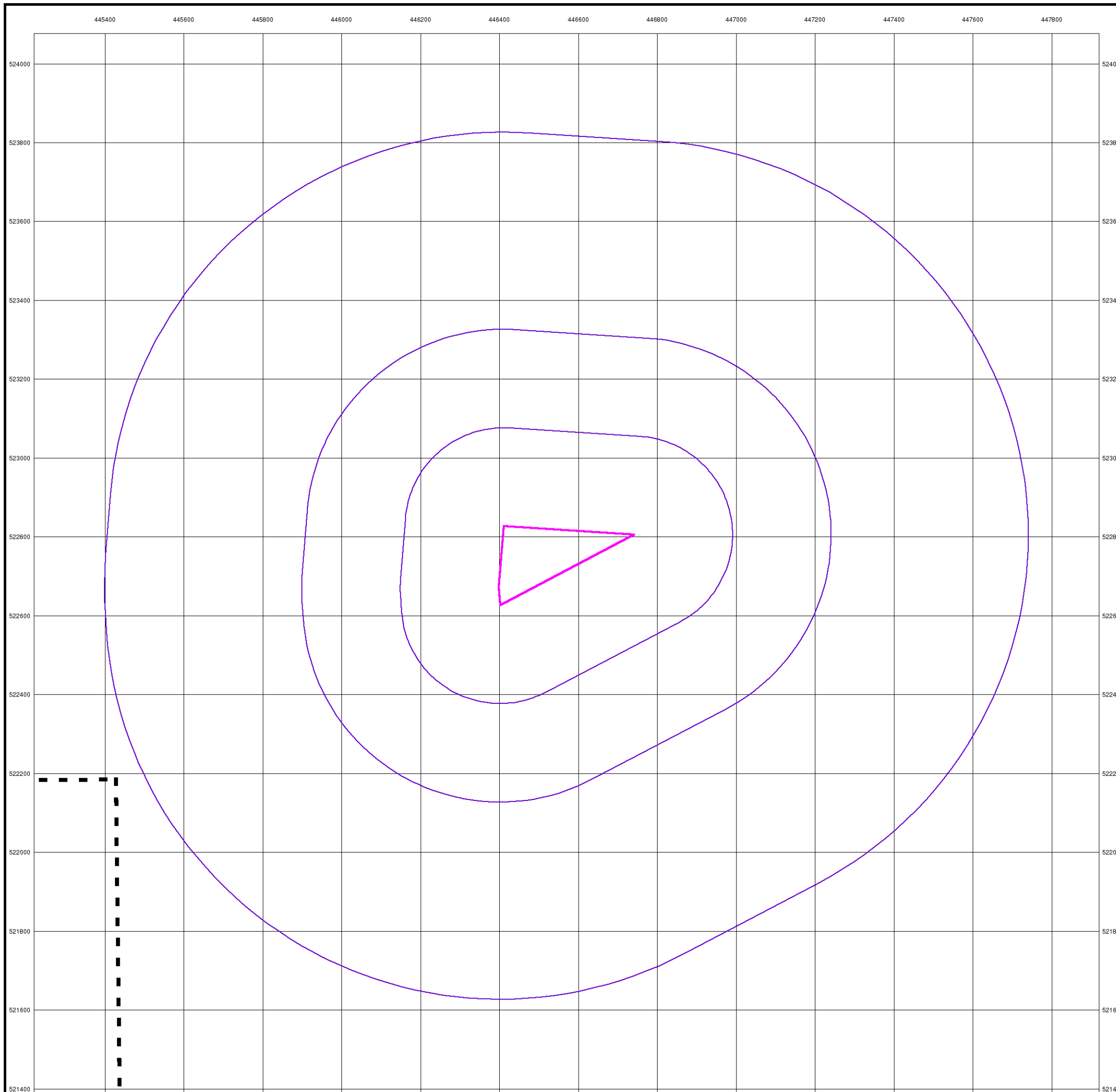


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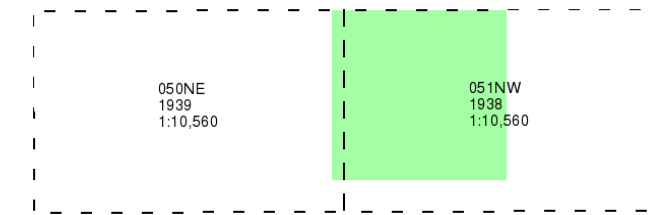
Durham

Published 1938 - 1939

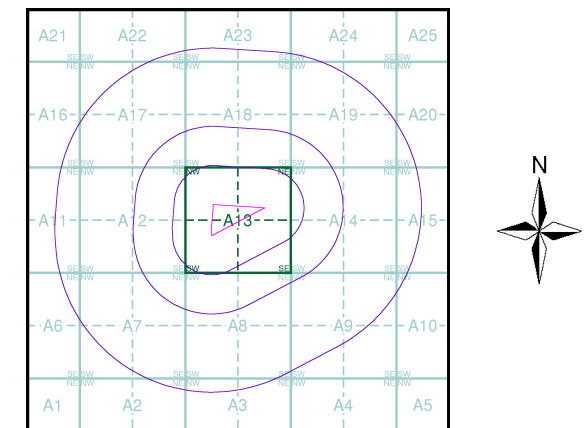
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Map Name(s) and Date(s)



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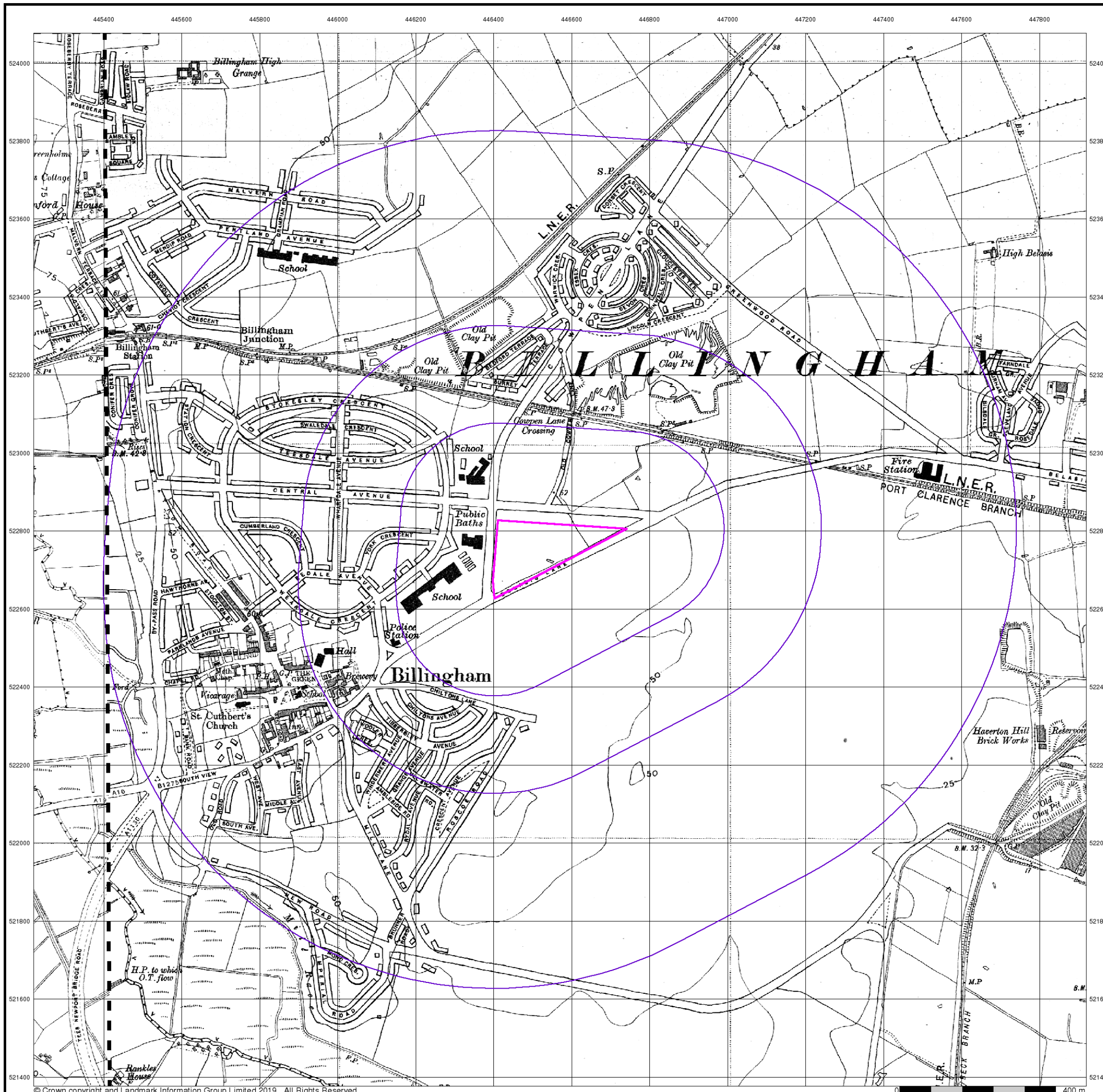


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 Search Buffer (m): 1000

Site Details

Fujifilm Diosynth Biotechnologies Uk Ltd, Belasis Avenue, Billingham, TS23 1LH



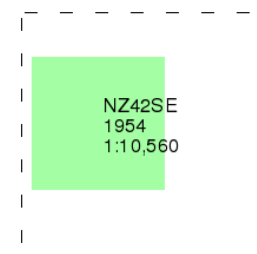
Ordnance Survey Plan

Published 1954

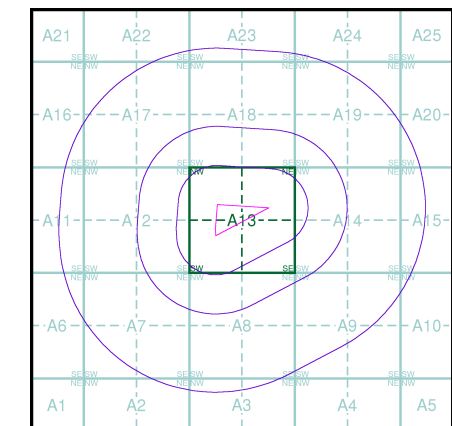
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 208788509_1_1
 Customer Ref: S190632
 National Grid Reference: 446540, 522750
 Slice: A
 Site Area (Ha): 3.36
 Search Buffer (m): 1000

Site Details

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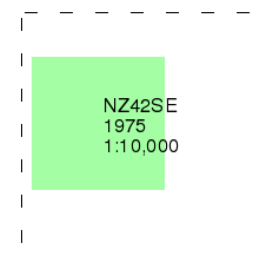
Ordnance Survey Plan

Published 1975

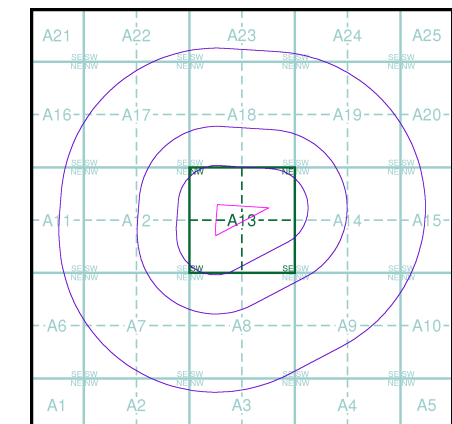
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 208788509_1_1
Customer Ref: S190632
National Grid Reference: 446540, 522750
Slice: A
Site Area (Ha): 3.36
Search Buffer (m): 1000

Site Details

Fujifilm Diosynth Biotechnologies UK Ltd, Belasis Avenue, Billingham, TS23 1LH



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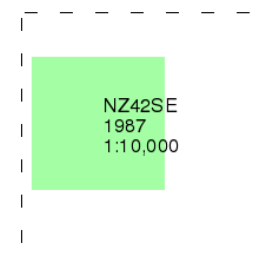
Ordnance Survey Plan

Published 1987

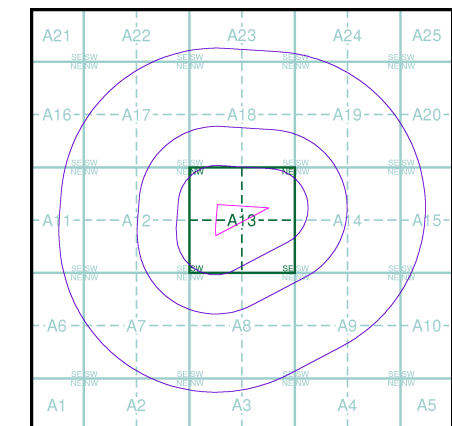
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



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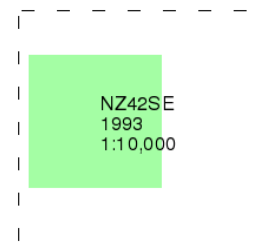
Ordnance Survey Plan

Published 1993

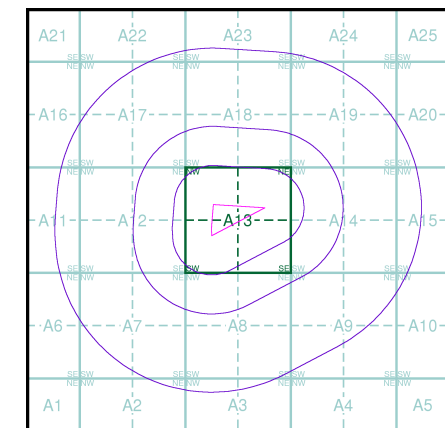
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 208788509_1_1
Customer Ref: S190632
National Grid Reference: 446540, 522750
Slice: A
Site Area (Ha): 3.36
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Site Details

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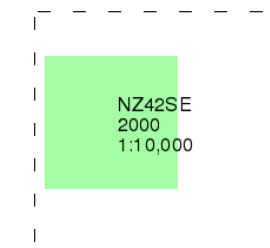
10k Raster Mapping

Published 2000

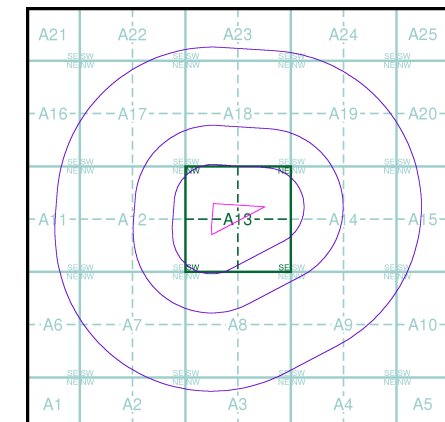
Source map scale - 1:10,000

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



Order Details

Order Number:	208788509_1_1
Customer Ref:	S190632
National Grid Reference:	446540, 522750
Slice:	A
Site Area (Ha):	3.36
Search Buffer (m):	1000

Site Details

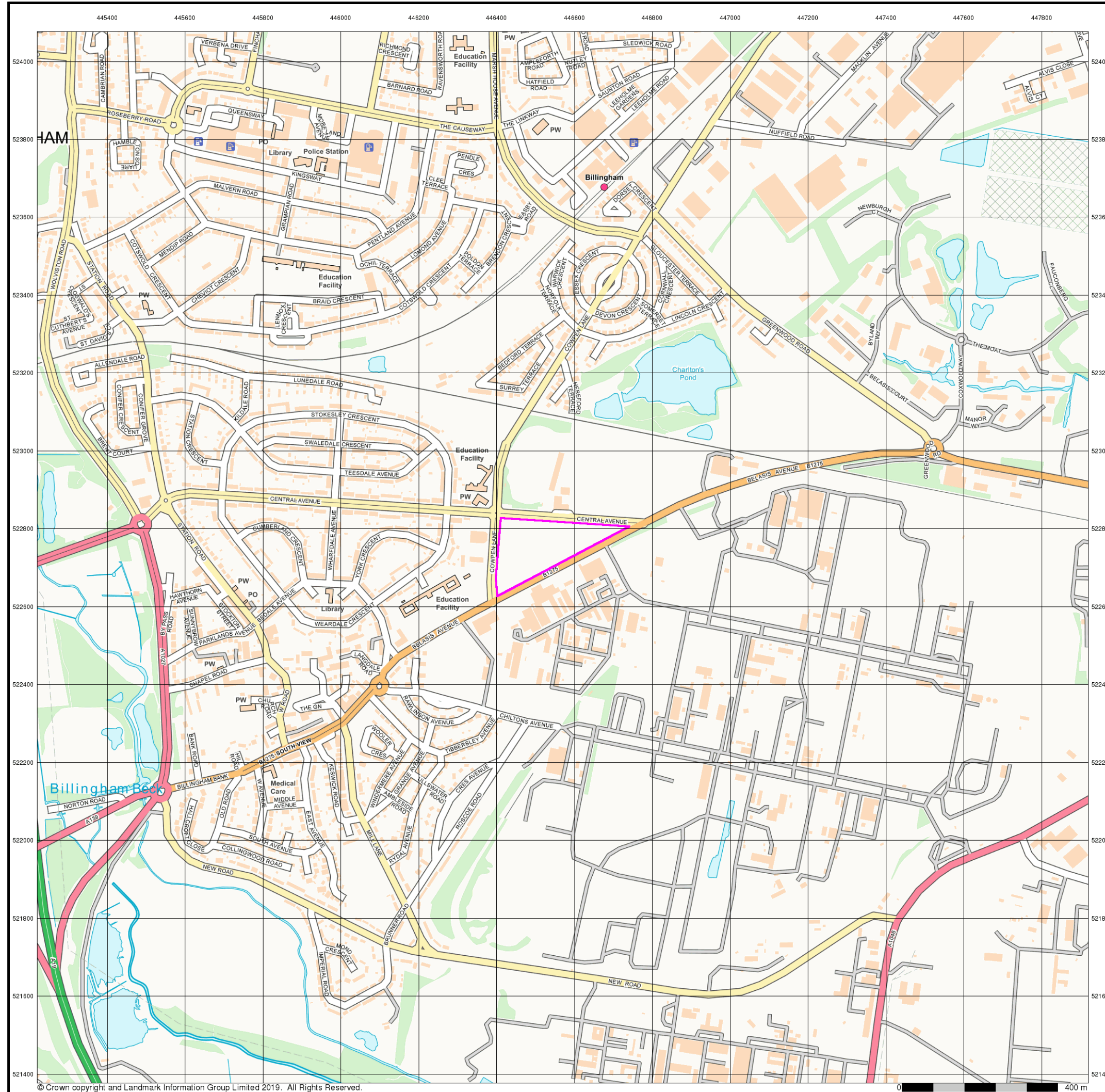
Fujifilm Diosynth Biotechnologies Uk Ltd, Belasis Avenue, Billingham, TS23 1LH



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



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Street View

Published 2019

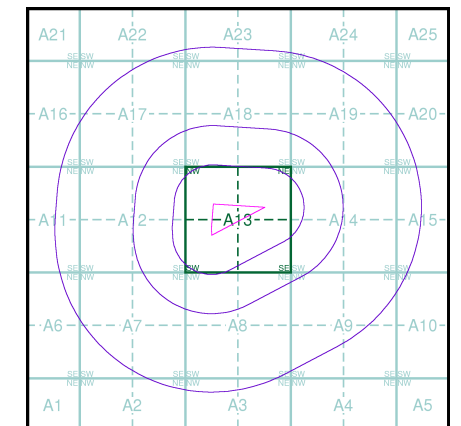
Source map scale - 1:10,000

Street View is a street-level map for the whole of Great Britain produced by the Ordnance Survey. These maps are provided at a nominal scale of 1:10,000

Map Name(s) and Date(s)



Street View Map - Slice A



Order Details

Order Number: 208788509_1_1
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Historical Mapping Legends

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

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

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

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

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

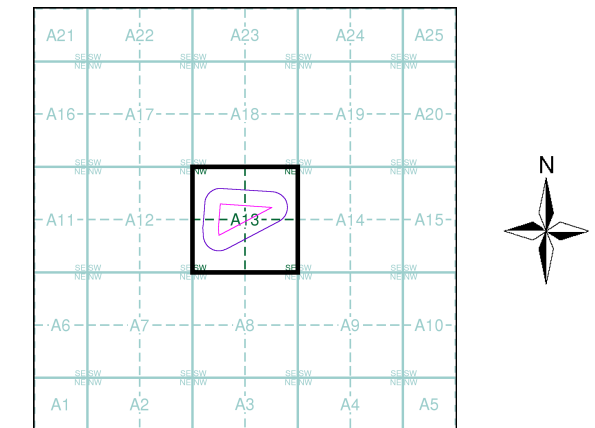
Cliff **Slopes** **Top**
Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds**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



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Durham	1:2,500	1857	2
Durham	1:2,500	1895	3
Durham	1:2,500	1897	4
Durham	1:2,500	1915 - 1916	5
Durham	1:2,500	1939	6
Ordnance Survey Plan	1:1,250	1951 - 1952	7
Ordnance Survey Plan	1:2,500	1952	8
Ordnance Survey Plan	1:1,250	1954 - 1962	9
Ordnance Survey Plan	1:2,500	1964 - 1969	10
Ordnance Survey Plan	1:1,250	1972 - 1981	11
Ordnance Survey Plan	1:1,250	1986	12
Additional SIMs	1:1,250	1988	13
Large-Scale National Grid Data	1:1,250	1992	14
Large-Scale National Grid Data	1:1,250	1994	15
Large-Scale National Grid Data	1:1,250	1996	16

Historical Map - Segment A13



Order Details

Order Number: 208788509_1_1
 Customer Ref: S190632
 National Grid Reference: 446540, 522750
 Slice: A
 Site Area (Ha): 3.36
 Search Buffer (m): 100

Site Details

Fujifilm Diosynth Biotechnologies Uk Ltd, Belasis Avenue, Billingham, TS23 1LH



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Durham

Published 1857

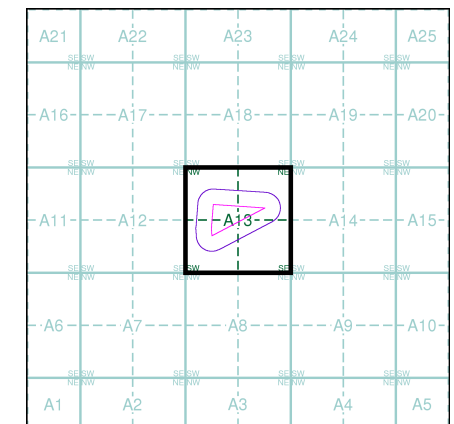
Source map scale - 1:2,500

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)

051_01	1857	1:2,500
051_05	1857	1:2,500

Historical Map - Segment A13

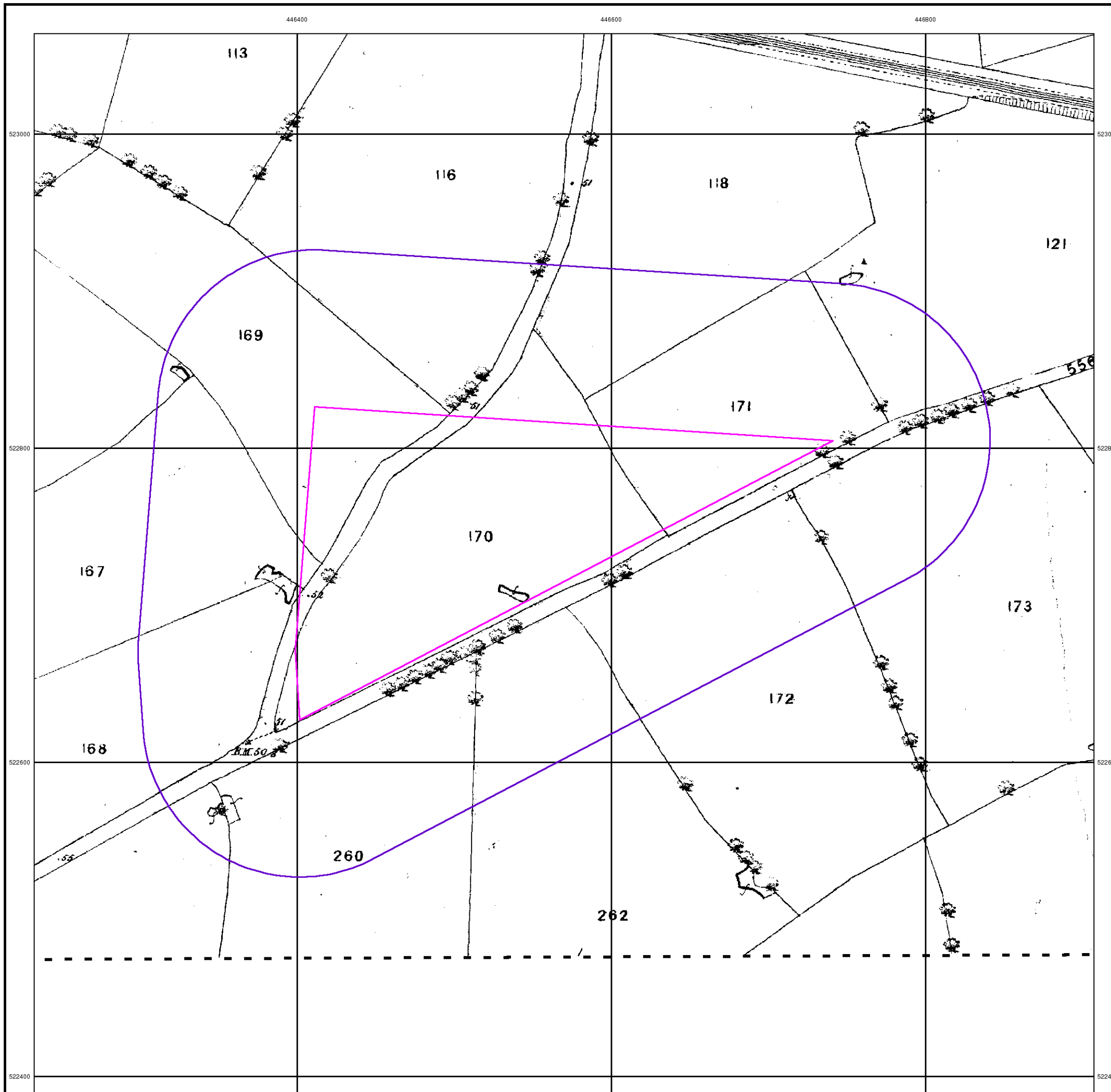


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Site Details

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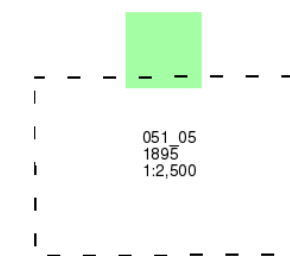
Durham

Published 1895

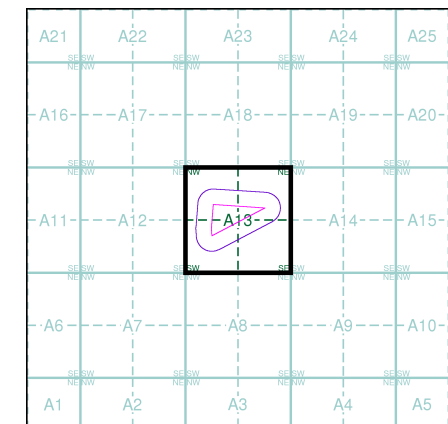
Source map scale - 1:2,500

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

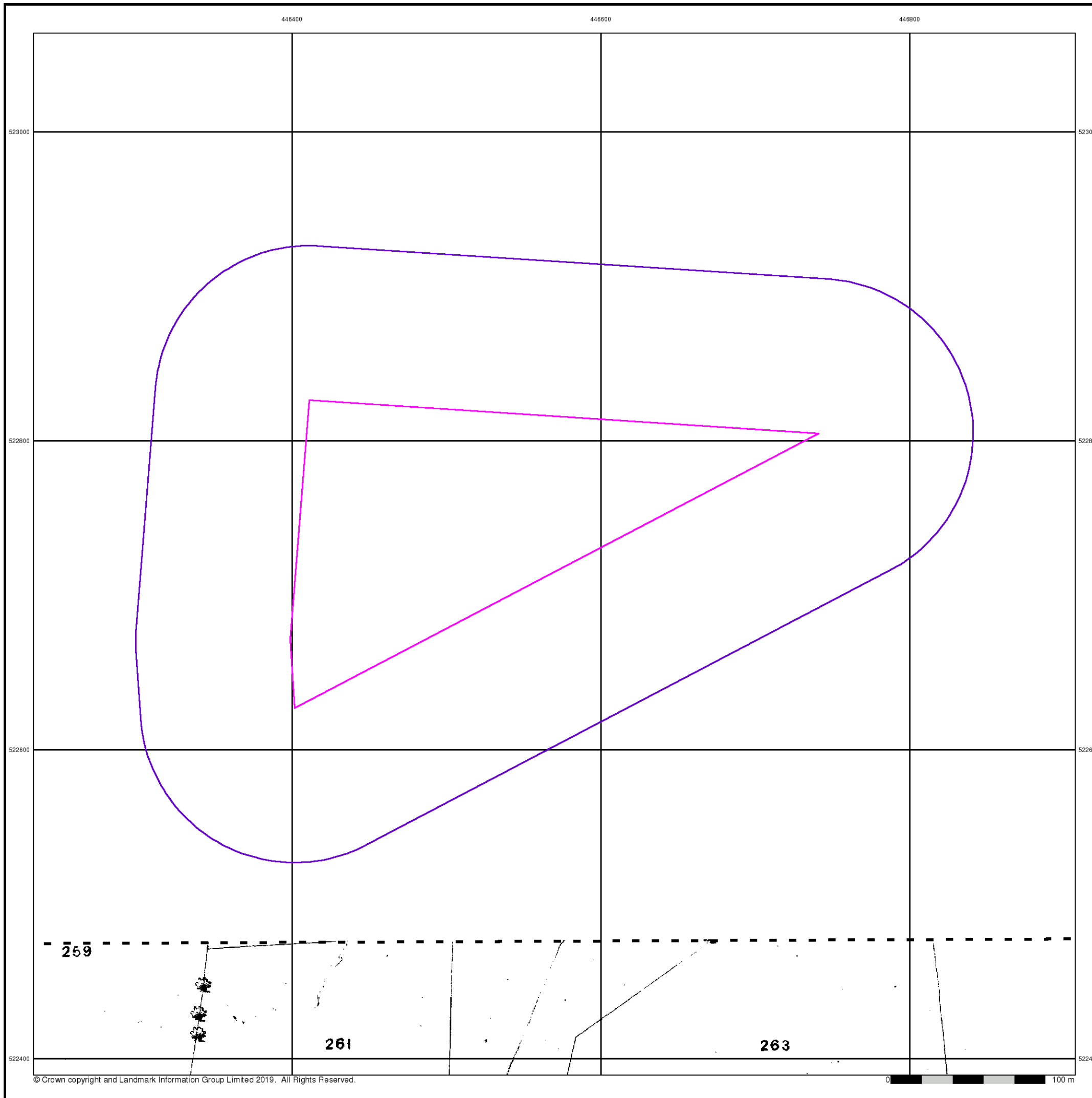


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 Slice: A
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Site Details

Fujifilm Diosynth Biotechnologies UK Ltd, Belasis Avenue, Billingham, TS23 1LH



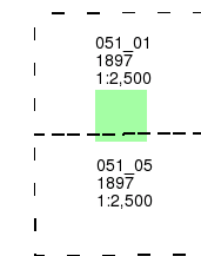
Durham

Published 1897

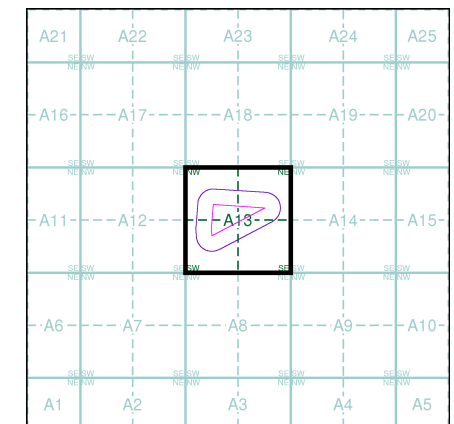
Source map scale - 1:2,500

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

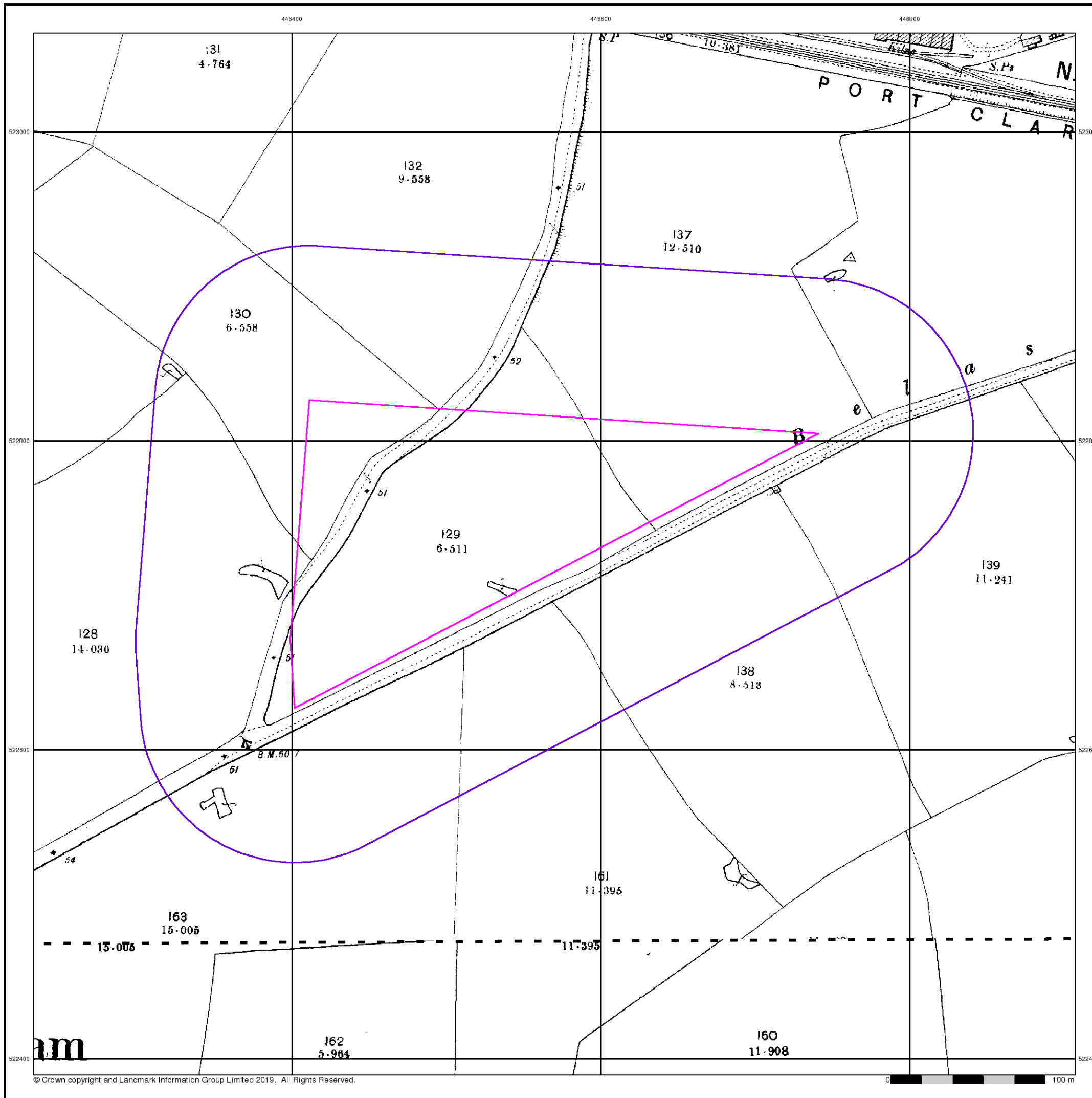


Order Details

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 Customer Ref: S190632
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 Slice: A
 Site Area (Ha): 3.36
 Search Buffer (m): 100

Site Details

Fujifilm Diosynth Biotechnologies UK Ltd, Belasis Avenue, Billingham, TS23 1LH



Durham

Published 1915 - 1916

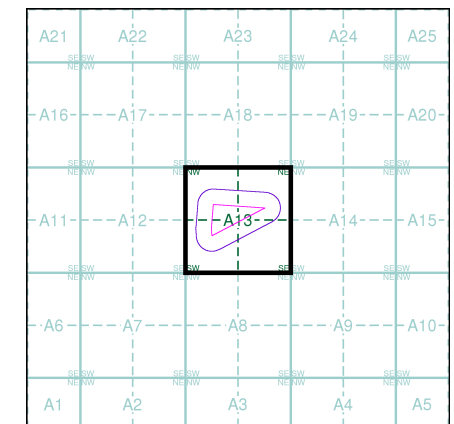
Source map scale - 1:2,500

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)

051_01	1916	1:2,500
051_05	1915	1:2,500

Historical Map - Segment A13

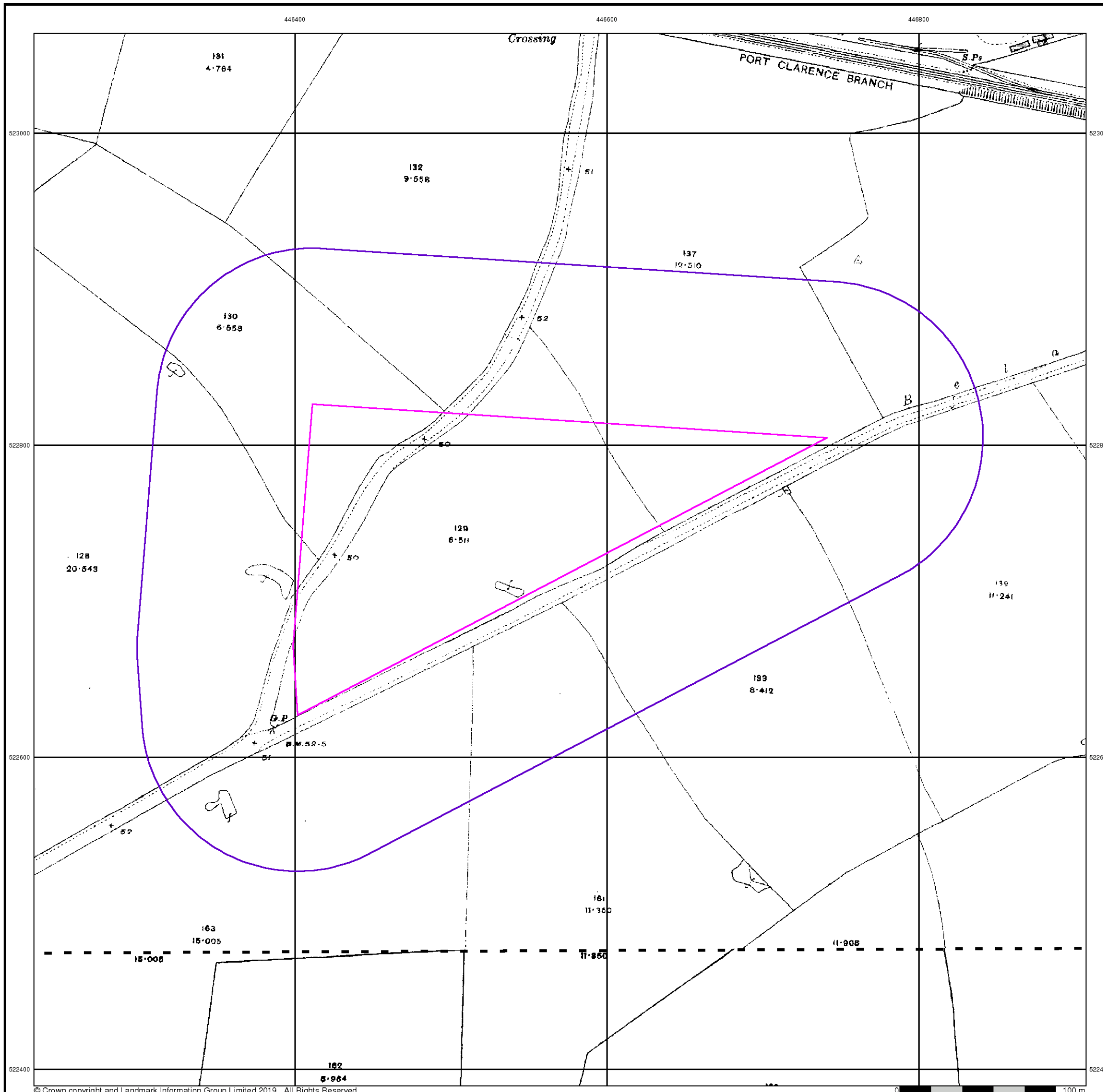


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Fujifilm Diosynth Biotechnologies UK Ltd, Belasis Avenue, Billingham, TS23 1LH



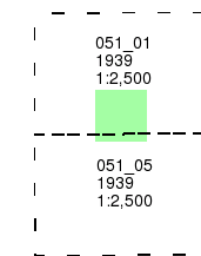
Durham

Published 1939

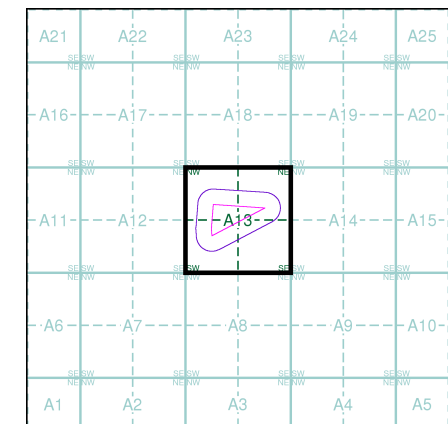
Source map scale - 1:2,500

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

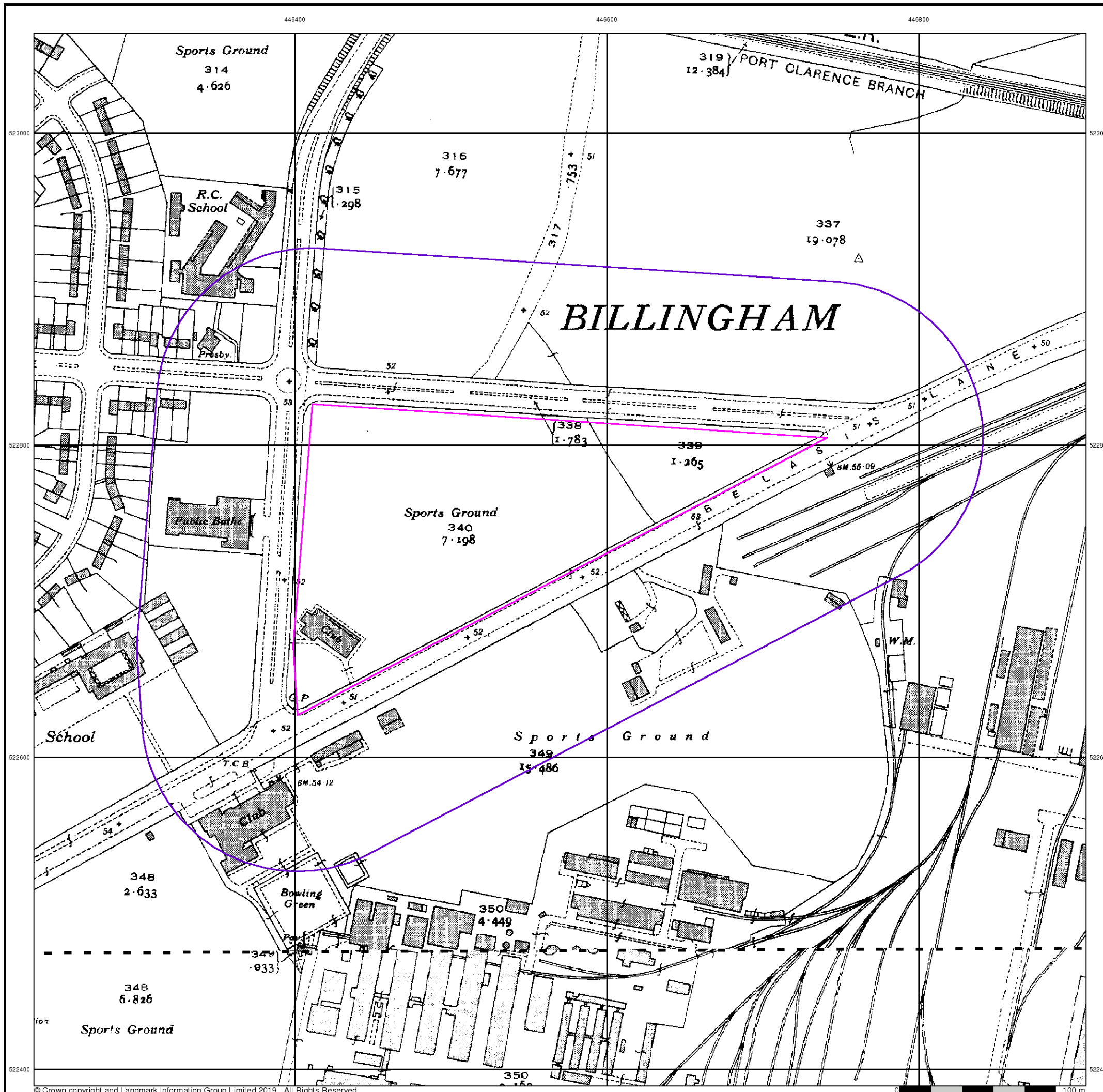


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Site Details

Fujifilm Diosynth Biotechnologies UK Ltd, Belasis Avenue, Billingham, TS23 1LH





Ordnance Survey Plan

Published 1951 - 1952

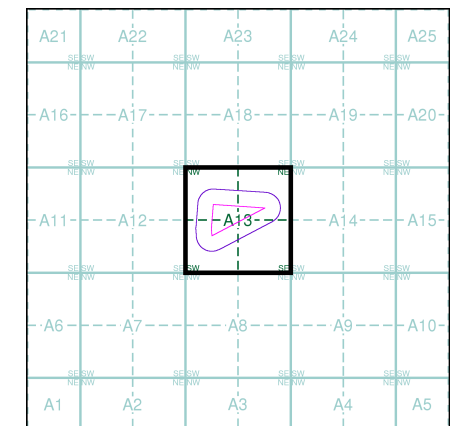
Source map scale - 1:1,250

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Map Name(s) and Date(s)

Z4623SW	Z4623SE
952	952
1:1,250	1:1,250
Z4622NW	Z4622NE
951	951
1:1,250	1:1,250
Z4622SW	Z4622SE
951	951
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

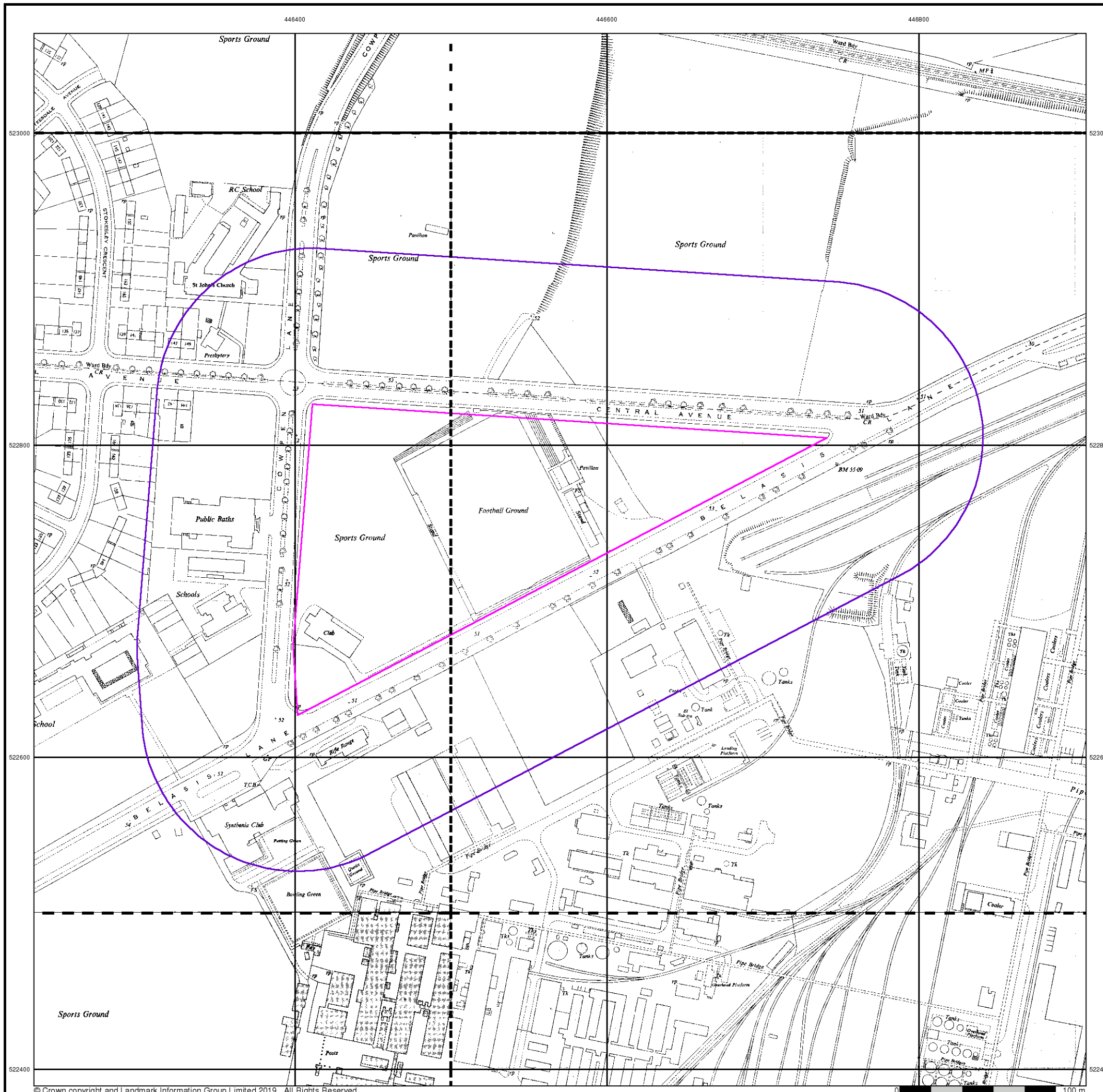
Order Number: 208788509_1_1
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Ordnance Survey Plan

Published 1952

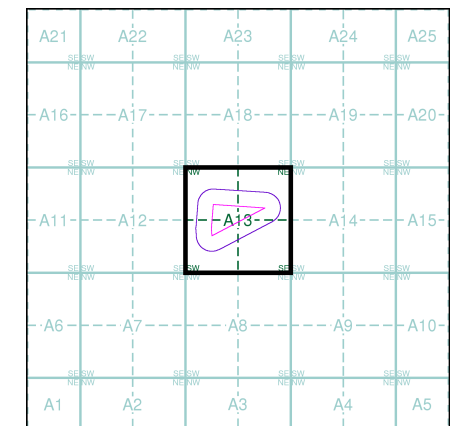
Source map scale - 1:2,500

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)

NZ4623	1952	1:2,500
NZ4622	1952	1:2,500

Historical Map - Segment A13



Order Details

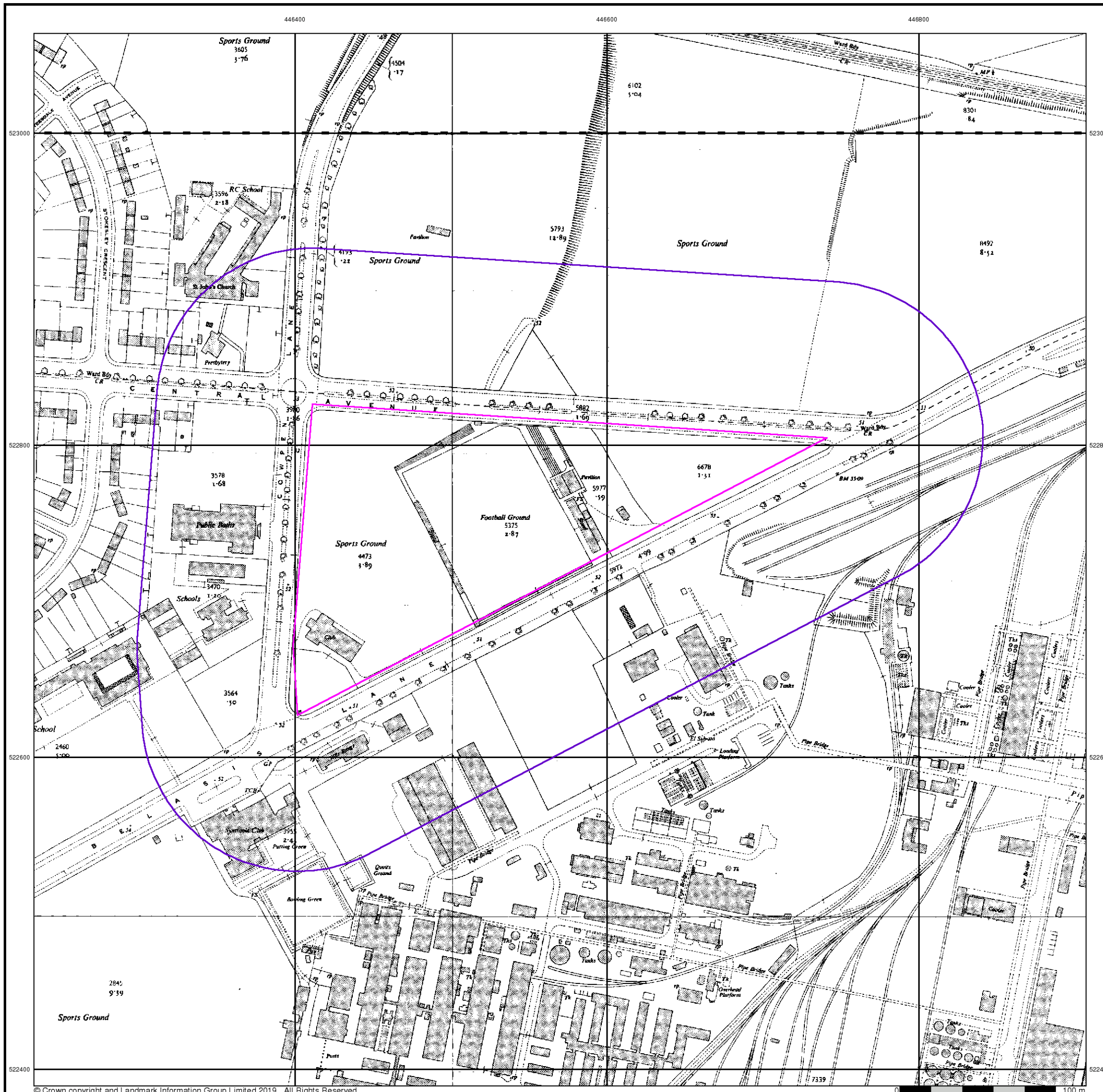
Order Number: 208788509_1_1
 Customer Ref: S190632
 National Grid Reference: 446540, 522750
 Slice: A
 Site Area (Ha): 3.36
 Search Buffer (m): 100

Site Details

Fujifilm Diosynth Biotechnologies UK Ltd, Belasis Avenue,
 Billingham, TS23 1LH



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 Web: www.envirocheck.co.uk





Ordnance Survey Plan

Published 1954 - 1962

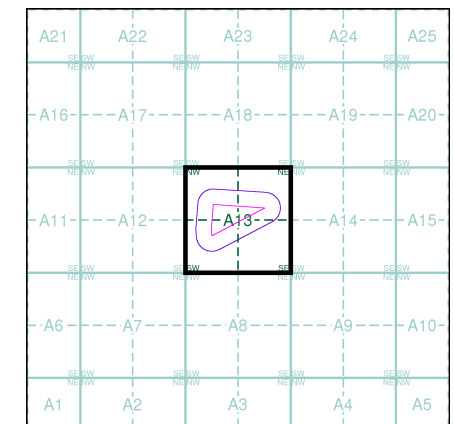
Source map scale - 1:1,250

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)

Z4623SV	Z4623SE
954	959
1:1,250	1:1,250
Z4622NV	Z4622NE
962	962
1:1,250	1:1,250
Z4622SV	Z4622SE
962	962
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

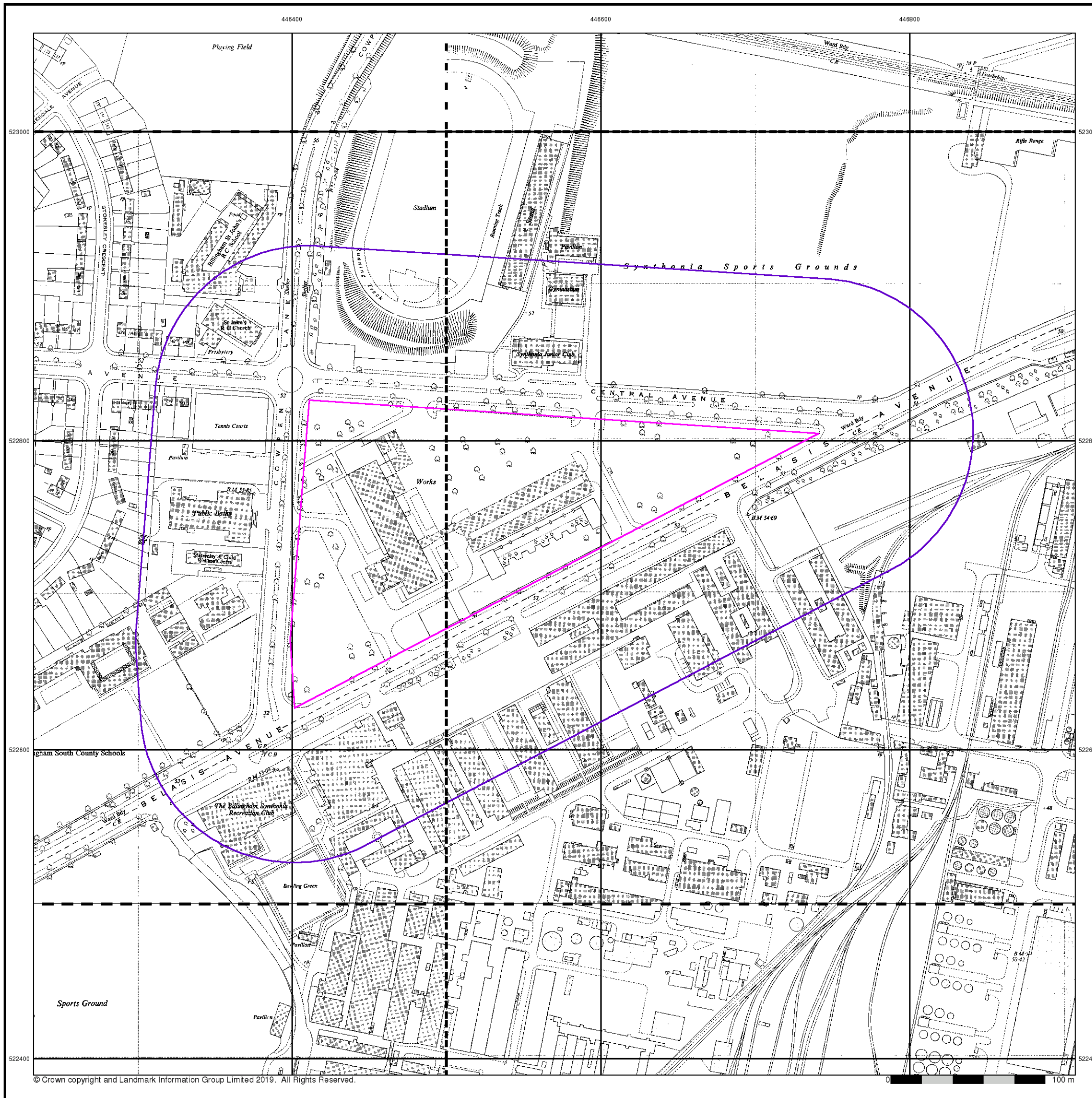
Order Number: 208788509_1_1
 Customer Ref: S190632
 National Grid Reference: 446540, 522750
 Slice: A
 Site Area (Ha): 3.36
 Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

Published 1964 - 1969

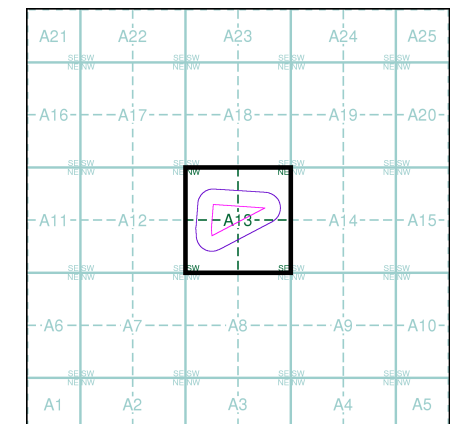
Source map scale - 1:2,500

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)

NZ4623	1969	1:2,500
NZ4622	1964	1:2,500

Historical Map - Segment A13



Order Details

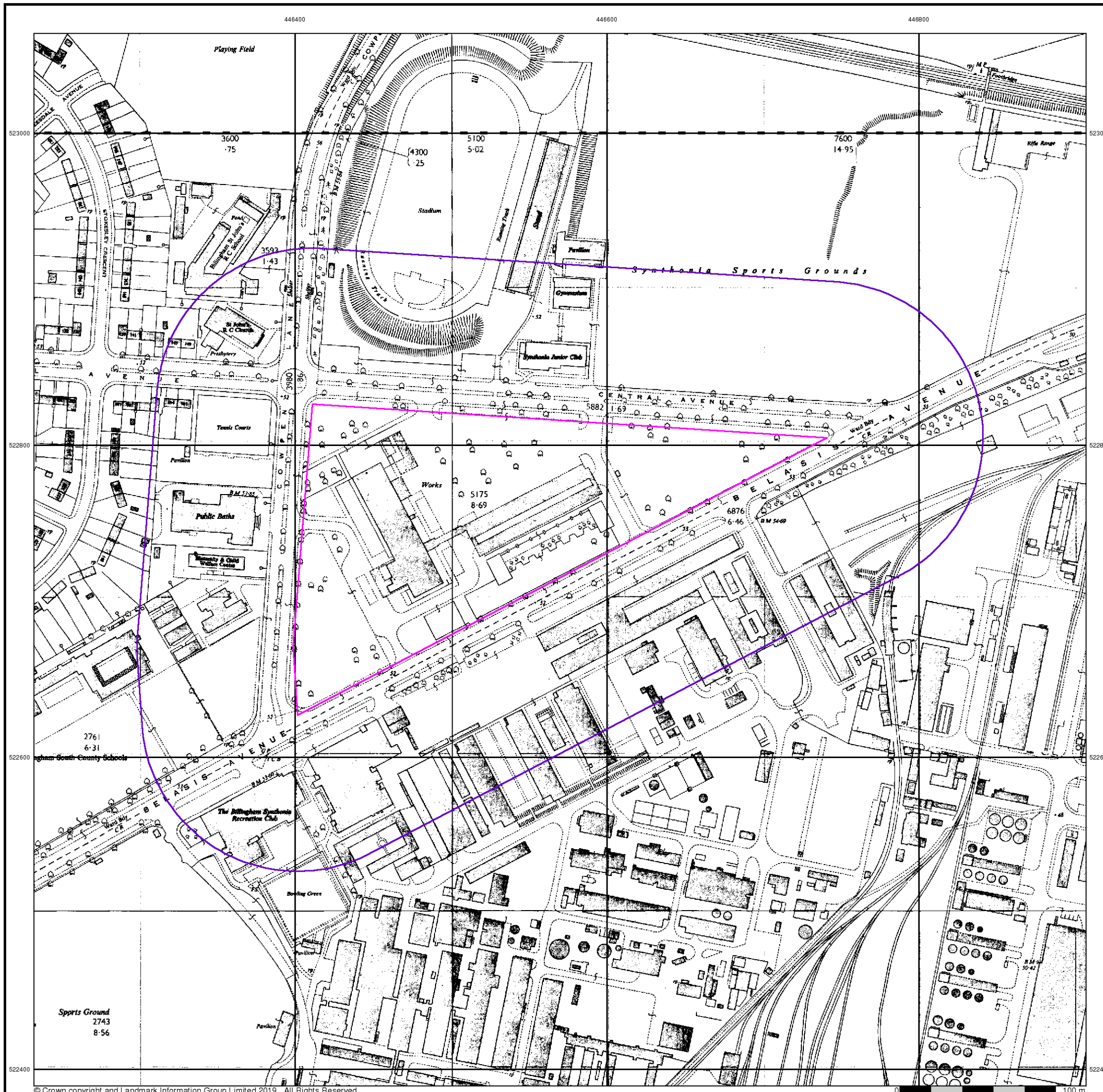
Order Number: 208788509_1_1
 Customer Ref: S190632
 National Grid Reference: 446540, 522750
 Slice: A
 Site Area (Ha): 3.36
 Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

Published 1972 - 1981

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.

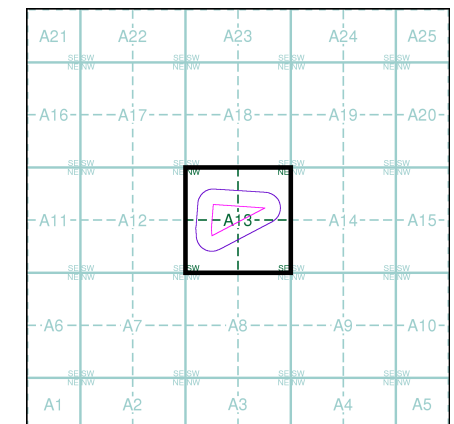
Map Name(s) and Date(s)

NZ4623SW	NZ4623SE
979	981
1:1,250	1:1,250

NZ4622NE	
1972	
1:1,250	

NZ4622SW	NZ4622SE
978	972
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

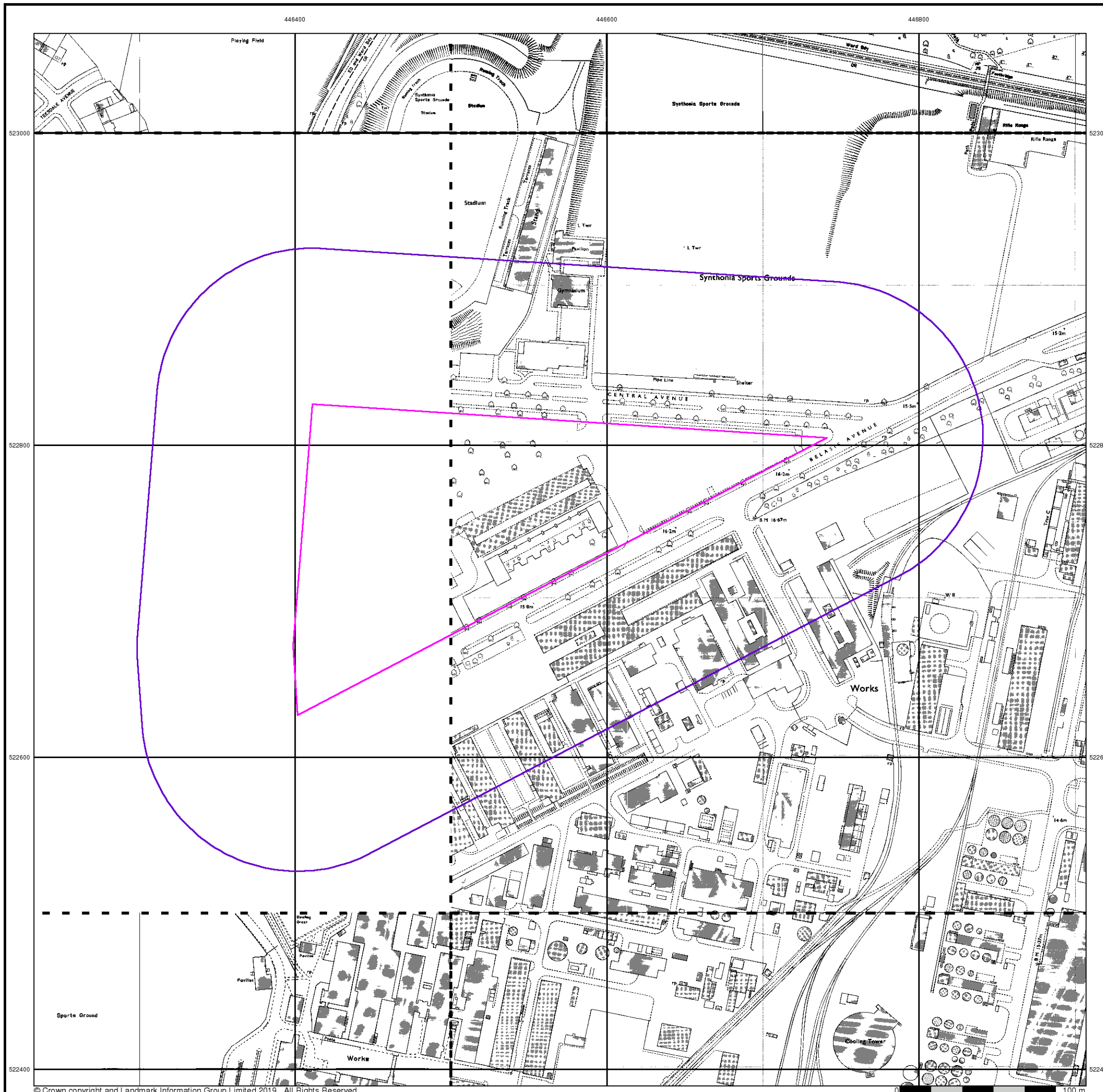
Order Number: 208788509_1_1
 Customer Ref: S190632
 National Grid Reference: 446540, 522750
 Slice: A
 Site Area (Ha): 3.36
 Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

Published 1986

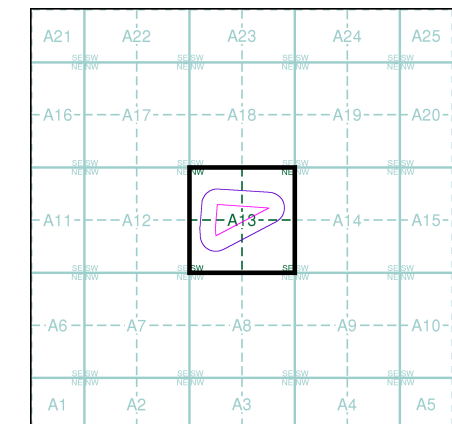
Source map scale - 1:1,250

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)

NZ4622NE
1986
1:1,250
NZ4622SE
1986
1:1,250

Historical Map - Segment A13



Order Details

Order Number: 208788509_1_1
 Customer Ref: S190632
 National Grid Reference: 446540, 522750
 Slice: A
 Site Area (Ha): 3.36
 Search Buffer (m): 100

Site Details

Fujifilm Diosynth Biotechnologies UK Ltd, Belasis Avenue, Billingham, TS23 1LH



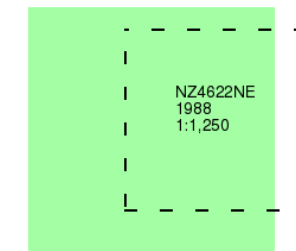
Additional SIMs

Published 1988

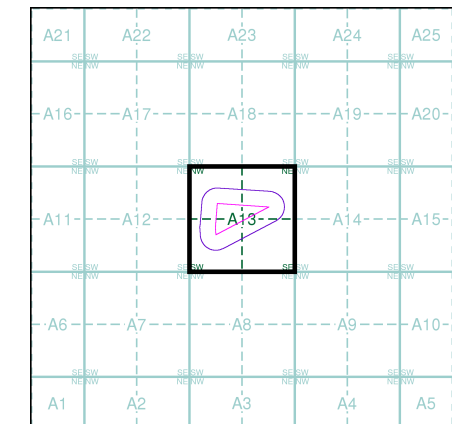
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13

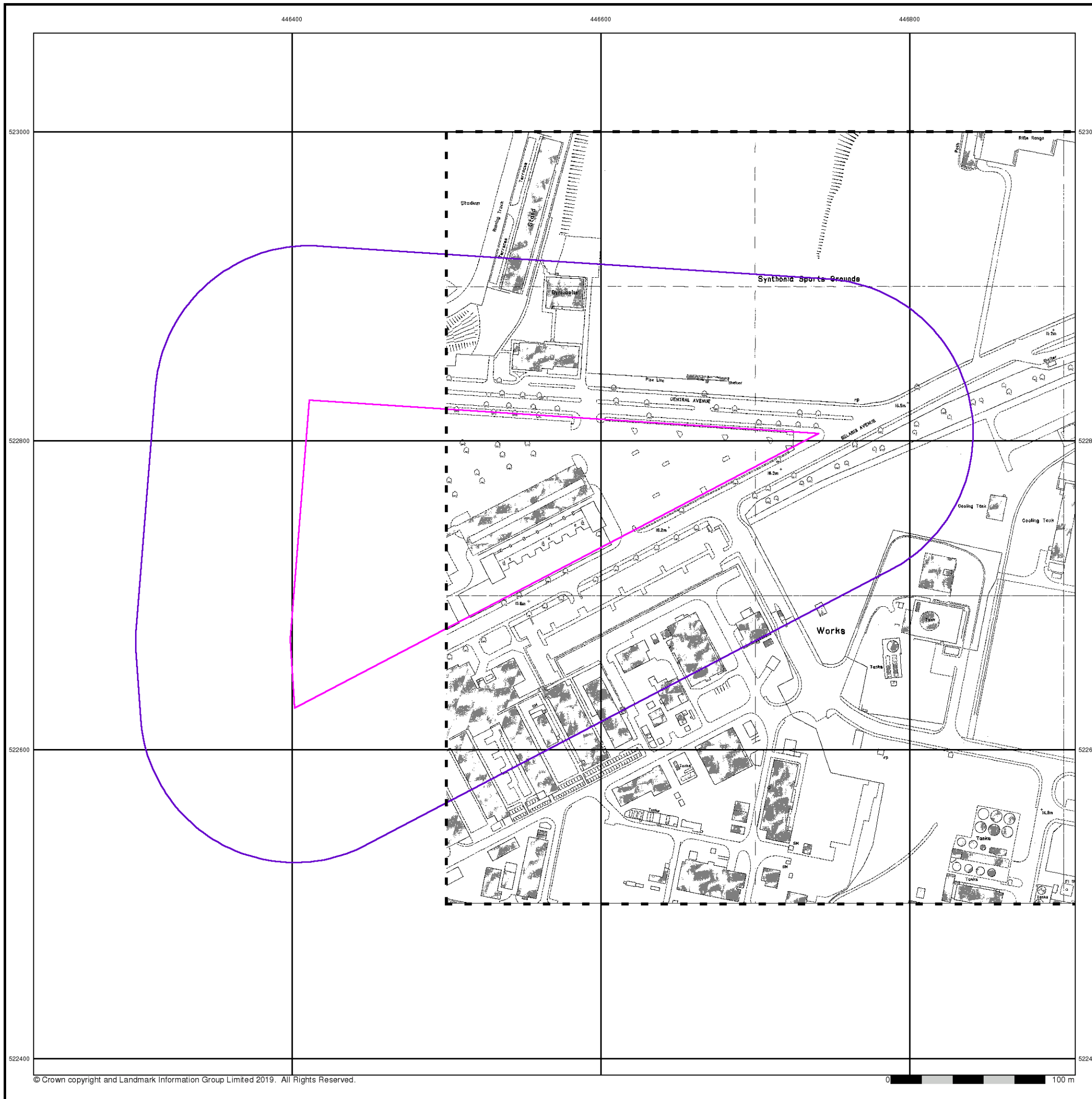


Order Details

Order Number: 208788509_1_1
 Customer Ref: S190632
 National Grid Reference: 446540, 522750
 Slice: A
 Site Area (Ha): 3.36
 Search Buffer (m): 100

Site Details

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Large-Scale National Grid Data

Published 1992

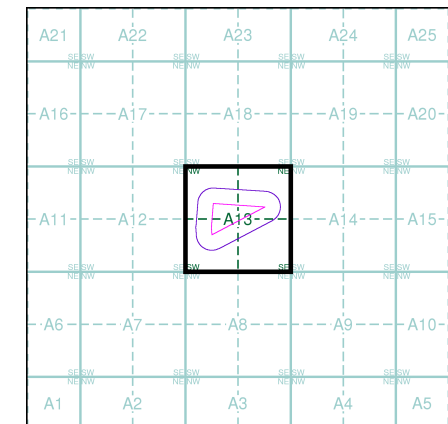
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

QZ4623SWZ4623SE	992	1:1,250
QZ4622NWZ4622NE	992	1:1,250
QZ4622SWZ4622SE	992	1:1,250

Historical Map - Segment A13



Order Details

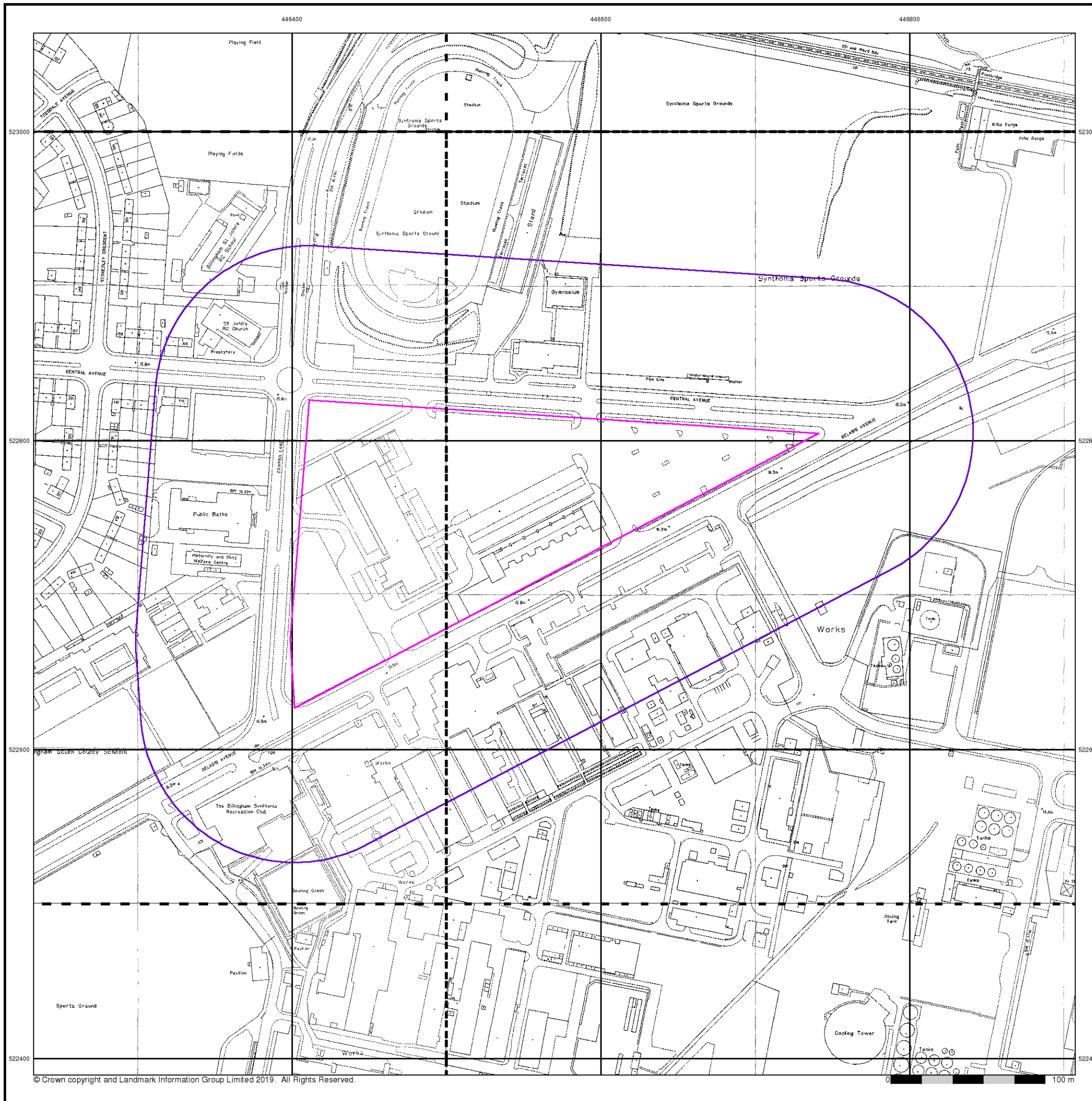
Order Number: 208788509_1_1
 Customer Ref: S190632
 National Grid Reference: 446540, 522750
 Slice: A
 Site Area (Ha): 3.36
 Search Buffer (m): 100

Site Details

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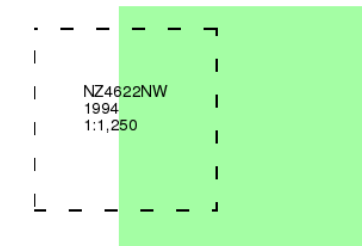
Large-Scale National Grid Data

Published 1994

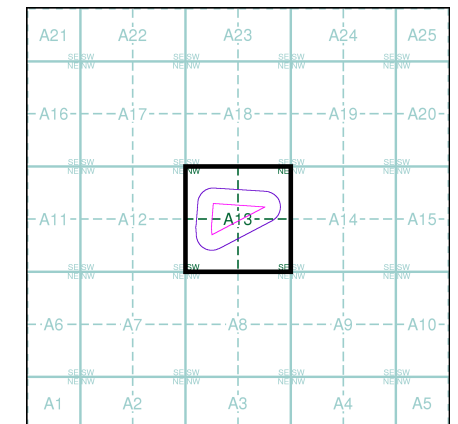
Source map scale - 1:1,250

'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

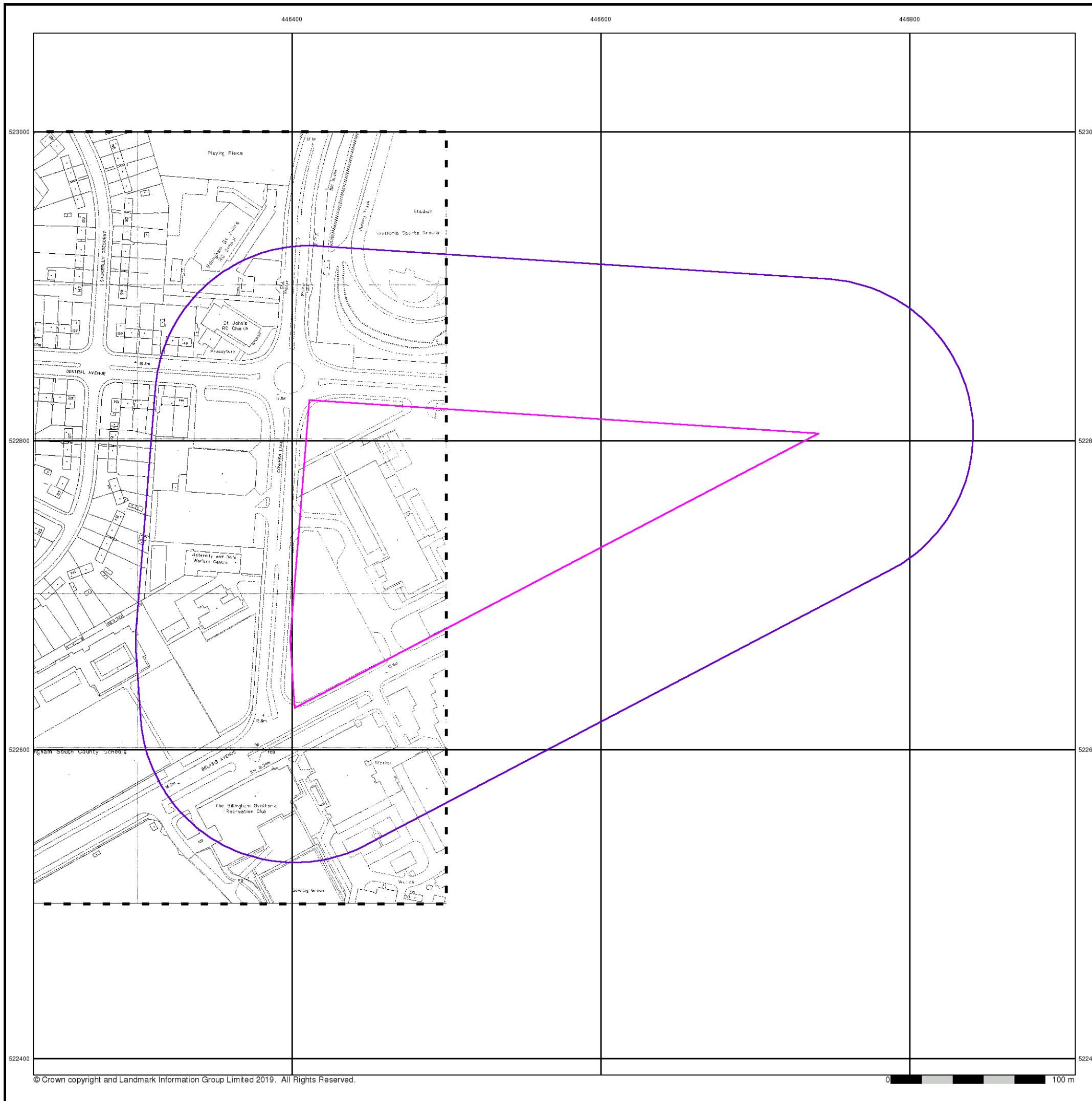


Order Details

Order Number: 208788509_1_1
 Customer Ref: S190632
 National Grid Reference: 446540, 522750
 Slice: A
 Site Area (Ha): 3.36
 Search Buffer (m): 100

Site Details

Fujifilm Diosynth Biotechnologies UK Ltd, Belasis Avenue, Billingham, TS23 1LH



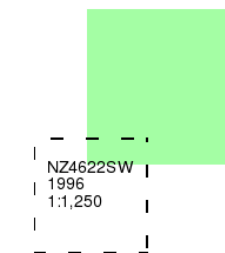
Large-Scale National Grid Data

Published 1996

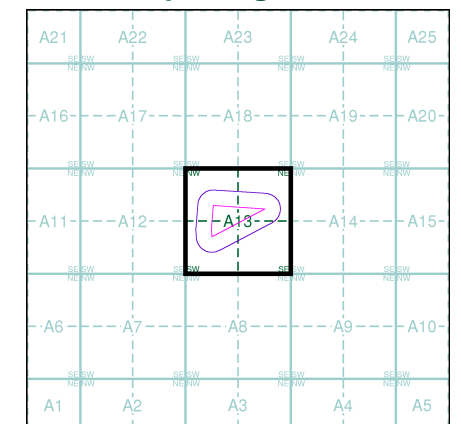
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13

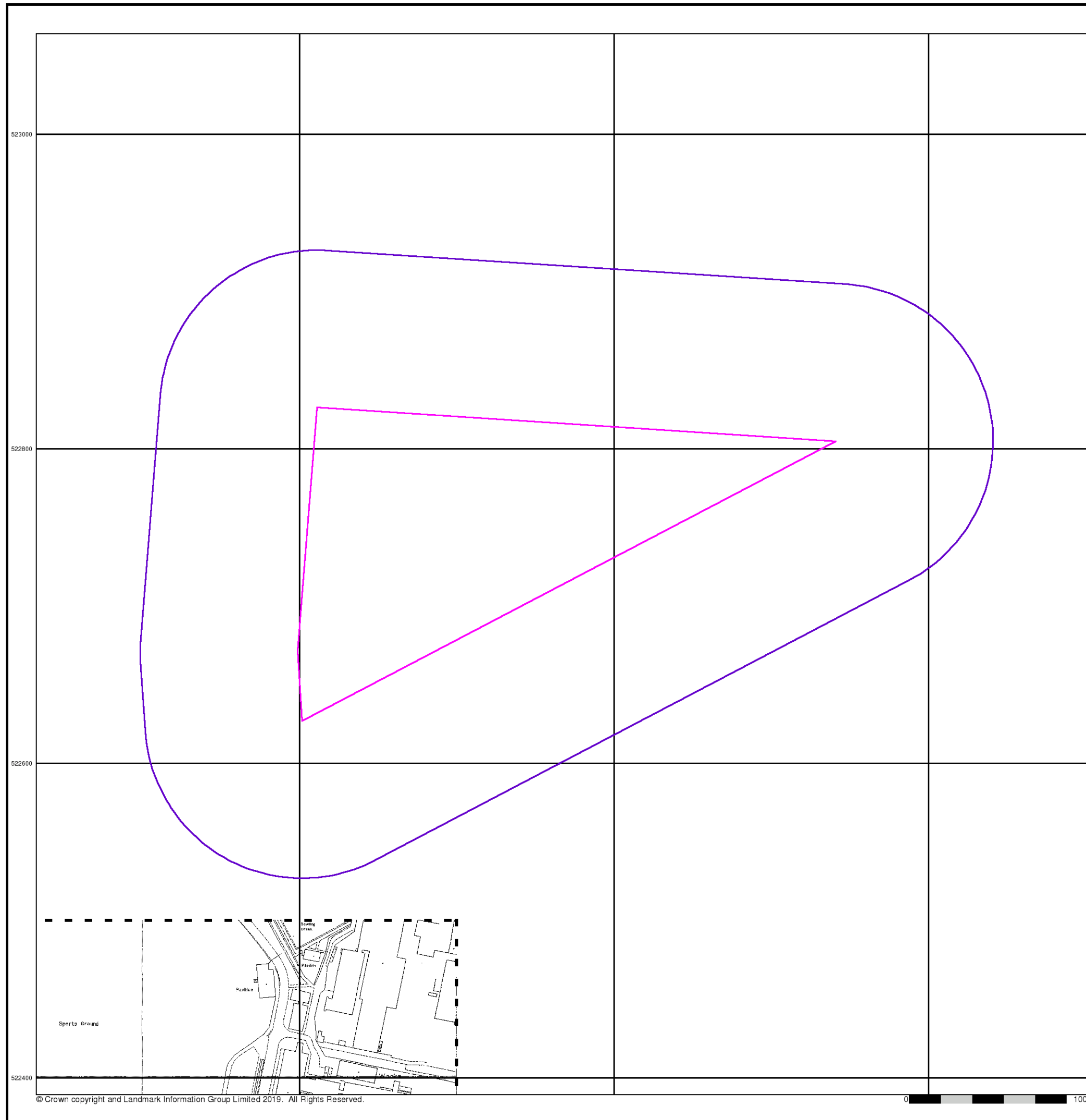


Order Details

Order Number: 208788509_1_1
 Customer Ref: S190632
 National Grid Reference: 446540, 522750
 Slice: A
 Site Area (Ha): 3.36
 Search Buffer (m): 100

Site Details

Fujifilm Diosynth Biotechnologies UK Ltd, Belasis Avenue,
 Billingham, TS23 1LH



Appendix C

Envirocheck Report

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

208788509_1_1

Customer Reference:

S190632

National Grid Reference:

446540, 522750

Slice:

A

Site Area (Ha):

3.36

Search Buffer (m):

1000

Site Details:

Fujifilm Diosynth Biotechnologies Uk Ltd

Belasis Avenue

Billingham

TS23 1LH

Client Details:

Mr R Woods

Solmek Ltd

12 Yarm Road

Stockton on Tees

Cleveland

TS18 3NA

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	36
Hazardous Substances	39
Geological	44
Industrial Land Use	49
Sensitive Land Use	61
Data Currency	62
Data Suppliers	67
Useful Contacts	68

Introduction

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

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents					
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices	pg 1		3	1	
Integrated Pollution Controls	pg 1		37	9	28
Integrated Pollution Prevention And Control	pg 13		7	1	18
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 19		1		6
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 20			Yes	
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances	pg 20		14	13	35
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 31				(*6)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 32	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 32	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 32	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 33				18

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 36			1	1
Integrated Pollution Control Registered Waste Sites	pg 36		7		
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 37				1
Local Authority Landfill Coverage	pg 37	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites	pg 37				1
Registered Waste Transfer Sites	pg 38				1
Registered Waste Treatment or Disposal Sites	pg 38				1
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)	pg 39		7	1	1
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)	pg 39		2		1
Planning Hazardous Substance Consents	pg 40			20	4
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 44	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 44			3	3
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability	pg 45	Yes	n/a	n/a	n/a
Man-Made Mining Cavities	pg 45	1	4	3	8
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 48	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 48	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 48	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 48	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 48	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 48	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 49		8	18	94
Fuel Station Entries	pg 59				4
Gas Pipelines					
Underground Electrical Cables					
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	pg 61			1	1
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 61	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	0	1	446600 522752
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	39	1	446650 522850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	163	1	446300 522500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	265	1	447000 522750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	273	1	446650 522450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	338	1	446600 522350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	364	1	447100 522750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A19SW (NE)	393	1	447000 523100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7NE (SW)	445	1	446100 522300
1	Enforcement and Prohibition Notices Location: P O Box 2, Belasis Avenue, BILLINGHAM, Cleveland, TS23 1YN Permit Reference: Not Given Enforcement Date: 12th January 1996 Details: Press Release HM359, Allowed up to one tonne of concentrated Sulphuric Acid to escape into Belasis Beck; under EPA90. Positional Accuracy: Manually positioned to the road within the address or location	A13NE (E)	12	2	446700 522770
2	Enforcement and Prohibition Notices Location: Main Building, BILLINGHAM, Cleveland, TS23 1LD Permit Reference: Not Given Enforcement Date: 19th September 1995 Details: Press Release HM304, Failure to provide BPM; under EPA90. Positional Accuracy: Unknown	A13SE (S)	117	2	446600 522600
3	Enforcement and Prohibition Notices Location: P O Box 8, BILLINGHAM, Cleveland, TS23 1LE Permit Reference: Not Given Enforcement Date: 3rd January 1996 Details: Press Release HM351, Excessive quantities of sulphur dioxide released due to start up of Sulphuric Acid Recovery Plant; under EPA90. Positional Accuracy: Manually positioned within the geographical locality	A13SE (SE)	191	2	446757 522598
4	Enforcement and Prohibition Notices Location: River Tees, Billingham, Teeside, TS Permit Reference: NOT GIVEN Enforcement Date: 7th October 1998 Details: EA News Release 07/10/1998, Five tonnes of glycerol released to the River Tees. Glycerol was surplus to requirements and had been emptied from storage tanks. Positional Accuracy: Manually positioned within the geographical locality	A14SW (E)	438	2	447168 522710
5	Integrated Pollution Controls Name: Avecia Ltd Location: Chiltern Site, Po Box 2, Belasis Avenue, Billingham, Cleveland, Ts23 1yn Authority: Environment Agency, North East Region Permit Reference: Bt0871 Dated: 23rd May 2003 Process Type: IPC major (substantial) variation Description: 4.5 A (M) Inorganic Chemical processes within the Chemical Industry Status: Revoked - Now IPPC Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	12	2	446576 522706

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Integrated Pollution Controls Name: Avecia Ltd Location: R Building, Chiltern Site, Belasis Avenue, Billingham, Cleveland, Ts23 1yn Authority: Environment Agency, North East Region Permit Reference: Bs5916 Dated: 21st June 2002 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.5 A (M) Inorganic Chemical processes within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	12	2	446576 522706
5	Integrated Pollution Controls Name: Avecia Ltd Location: R Building, Chiltern Site, Belasis Ave, BILLINGHAM, Cleveland, TS23 1YN Authority: Environment Agency, North East Region Permit Reference: BI0548 Dated: 27th March 2000 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.5 A (M) Inorganic Chemical processes within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	12	2	446576 522706
5	Integrated Pollution Controls Name: Avecia Ltd Location: R Building, Chiltern Site, Belasis Ave, BILLINGHAM, Cleveland, TS23 1YN Authority: Environment Agency, North East Region Permit Reference: BE7745 Dated: 15th February 1999 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.5 A (M) Inorganic Chemical processes within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	12	2	446576 522706
5	Integrated Pollution Controls Name: Avecia Ltd Location: R Building, Chiltern Site, Belasis Ave, BILLINGHAM, Cleveland, TS23 1YN Authority: Environment Agency, North East Region Permit Reference: BE0040 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.5 A (M) Inorganic Chemical processes within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	12	2	446576 522706
5	Integrated Pollution Controls Name: Avecia Ltd Location: R Building, Chiltern Site, Belasis Ave, BILLINGHAM, Cleveland, TS23 1YN Authority: Environment Agency, North East Region Permit Reference: AZ0535 Dated: 20th June 1997 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.5 A (M) Inorganic Chemical processes within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	12	2	446576 522706
5	Integrated Pollution Controls Name: Avecia Ltd Location: R Building, Chiltern Site, Belasis Ave, BILLINGHAM, Cleveland, TS23 1YN Authority: Environment Agency, North East Region Permit Reference: AW3147 Dated: 18th October 1996 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.5 A (M) Inorganic Chemical processes within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	12	2	446576 522706
5	Integrated Pollution Controls Name: Avecia Ltd Location: R Building, Chiltern Site, Belasis Ave, BILLINGHAM, Cleveland, TS23 1YN Authority: Environment Agency, North East Region Permit Reference: AN7961 Dated: 8th December 1994 Process Type: IPC new application Description: 4.5 A (M) Inorganic Chemical processes within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	12	2	446576 522706

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	<p>Integrated Pollution Controls</p> <p>Name: Dupont (UK) Ltd Location: P O Box 28, Billingham Site, BILLINGHAM, Cleveland, TS23 1YH Authority: Environment Agency, North East Region Permit Reference: AM6005 Dated: 9th March 1994 Process Type: Application since found to be exempt from IPC Description: 1.2 A (B) Carbonisation and associated processes within the Fuel & Power Industry Status: Application referred to Local Authority for consideration Positional Accuracy: Manually positioned within the geographical locality</p>	A13NE (E)	37	2	446752 522769
7	<p>Integrated Pollution Controls</p> <p>Name: Exwold Technology Ltd Location: P O Box 22, Haverton Hill Industrial Estate, Haverton Hill, BILLINGHAM, Cleveland, TS23 1YJ Authority: Environment Agency, North East Region Permit Reference: AO1314 Dated: 27th February 1995 Process Type: IPC new application Description: 4.5 A (M) Inorganic Chemical processes within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned within the geographical locality</p>	A13SE (SE)	143	2	446738 522643
7	<p>Integrated Pollution Controls</p> <p>Name: Exwold Technology Ltd Location: P O Box 22, Haverton Hill Industrial Estate, Haverton Hill, BILLINGHAM, Cleveland, TS23 1YJ Authority: Environment Agency, North East Region Permit Reference: AT4597 Dated: 27th November 1995 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.5 A (M) Inorganic Chemical processes within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned within the geographical locality</p>	A13SE (SE)	147	2	446738 522638
7	<p>Integrated Pollution Controls</p> <p>Name: Exwold Technology Ltd Location: P O Box 22, Haverton Hill Industrial Estate, Haverton Hill, BILLINGHAM, Cleveland, TS23 1YJ Authority: Environment Agency, North East Region Permit Reference: BA3543 Dated: 2nd January 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.5 A (M) Inorganic Chemical processes within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned within the geographical locality</p>	A13SE (SE)	149	2	446743 522638
7	<p>Integrated Pollution Controls</p> <p>Name: Air Products (Chemicals) Teesside Ltd Location: Chemical Products Area, Po Box 1, BILLINGHAM, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: BC7043 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (C) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation revoked Positional Accuracy: Manually positioned to the road within the address or location</p>	A13SE (SE)	153	2	446742 522633
7	<p>Integrated Pollution Controls</p> <p>Name: Air Products (Chemicals) Teesside Ltd Location: P O Box 1, BILLINGHAM, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: BE3782 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.1 A (C) Gasification and associated processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the road within the address or location</p>	A13SE (SE)	158	2	446742 522628
7	<p>Integrated Pollution Controls</p> <p>Name: Terra Nitrogen (uk) Ltd Location: Ammonia Production Area, Po Box 1, BILLINGHAM, Cleveland, TS23 1LE Authority: Environment Agency, North East Region Permit Reference: BE2476 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.5 A (L) Inorganic Chemical processes within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned within the geographical locality</p>	A13SE (SE)	164	2	446759 522630

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	<p>Integrated Pollution Controls</p> <p>Name: Ici Chemicals And Polymers Ltd Location: Billingham Packaged Boilers, BILLINGHAM, Cleveland, TS23 1LE Authority: Environment Agency, North East Region Permit Reference: BD9688 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation revoked Positional Accuracy: Manually positioned to the address or location</p>	A13SE (SE)	178	2	446757 522613
7	<p>Integrated Pollution Controls</p> <p>Name: Haltermann Ltd Location: Dow Haltermann Custom Processing, Ici Billingham Process Plant Park, Po Box 1, Billingham, Cleveland, Ts23 4az Authority: Environment Agency, North East Region Permit Reference: BC1380 Dated: 5th March 1999 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A13SE (SE)	179	2	446769 522618
7	<p>Integrated Pollution Controls</p> <p>Name: Haltermann Ltd Location: ICI Billingham Process Plant Park, Agricultural Division; Road 11, P O Box 1, BILLINGHAM, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: BF5900 Dated: 25th August 1999 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A13SE (SE)	185	2	446762 522608
7	<p>Integrated Pollution Controls</p> <p>Name: Haltermann Ltd Location: ICI Billingham Process Plant Park, Agricultural Division; Road 11, P O Box 1, BILLINGHAM, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: BF3885 Dated: 30th March 1999 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A13SE (SE)	189	2	446762 522603
8	<p>Integrated Pollution Controls</p> <p>Name: Haltermann Ltd Location: ICI Billingham Process Plant Park, Agricultural Division; Road 11, P O Box 1, BILLINGHAM, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: AW1250 Dated: 12th July 1996 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A13SE (SE)	193	2	446752 522593
8	<p>Integrated Pollution Controls</p> <p>Name: Imperial Chemical Industries Plc Location: Agricultural Division, P O Box 1, BILLINGHAM, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: AO3465 Dated: 30th March 1994 Process Type: IPC category unknown at time of report Description: Not Given Status: Application received by HMIP but is not yet authorised Positional Accuracy: Manually positioned within the geographical locality</p>	A13SE (SE)	195	2	446747 522588

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	<p>Integrated Pollution Controls</p> <p>Name: Haltermann Ltd Location: ICI Billingham Process Plant Park, Agricultural Division; Road 11, P O Box 1, BILLINGHAM, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: AW3155 Dated: 9th August 1996 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A13SE (SE)	196	2	446757 522593
8	<p>Integrated Pollution Controls</p> <p>Name: Haltermann Ltd Location: ICI Billingham Process Plant Park, Agricultural Division; Road 11, P O Box 1, BILLINGHAM, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: AW6243 Dated: 26th July 1997 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A13SE (SE)	198	2	446752 522588
8	<p>Integrated Pollution Controls</p> <p>Name: Haltermann Ltd Location: ICI Billingham Process Plant Park, Agricultural Division; Road 11, P O Box 1, BILLINGHAM, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: AW1241 Dated: 10th July 1996 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A13SE (SE)	198	2	446762 522593
8	<p>Integrated Pollution Controls</p> <p>Name: Haltermann Ltd Location: ICI Billingham Process Plant Park, Agricultural Division; Road 11, P O Box 1, BILLINGHAM, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: AT6794 Dated: 5th October 1995 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A13SE (SE)	200	2	446757 522588
8	<p>Integrated Pollution Controls</p> <p>Name: Haltermann Ltd Location: ICI Billingham Process Plant Park, Agricultural Division; Road 11, P O Box 1, BILLINGHAM, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: AR7335 Dated: 14th September 1995 Process Type: IPC new application Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A13SE (SE)	202	2	446762 522588
8	<p>Integrated Pollution Controls</p> <p>Name: Haltermann Ltd Location: ICI Billingham Process Plant Park, Agricultural Division; Road 11, P O Box 1, BILLINGHAM, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: BE1666 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A13SE (SE)	205	2	446767 522588

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	<p>Integrated Pollution Controls</p> <p>Name: Haltermann Ltd Location: ICI Billingham Process Plant Park, Agricultural Division; Road 11, P O Box 1, BILLINGHAM, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: AW5077 Dated: 3rd September 1996 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A13SE (SE)	207	2	446752 522578
8	<p>Integrated Pollution Controls</p> <p>Name: Haltermann Ltd Location: ICI Billingham Process Plant Park, Agricultural Division; Road 11, P O Box 1, BILLINGHAM, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: AR7351 Dated: 14th September 1995 Process Type: IPC new application Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A13SE (SE)	209	2	446757 522578
8	<p>Integrated Pollution Controls</p> <p>Name: Haltermann Ltd Location: ICI Billingham Process Plant Park, Agricultural Division; Road 11, P O Box 1, BILLINGHAM, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: AR9249 Dated: 29th June 1995 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A13SE (SE)	211	2	446762 522578
8	<p>Integrated Pollution Controls</p> <p>Name: Haltermann Ltd Location: ICI Billingham Process Plant Park, Agricultural Division; Road 11, P O Box 1, BILLINGHAM, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: BG0075 Dated: 12th May 1999 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A13SE (SE)	212	2	446772 522583
8	<p>Integrated Pollution Controls</p> <p>Name: Haltermann Ltd Location: ICI Billingham Process Plant Park, Agricultural Division; Road 11, P O Box 1, BILLINGHAM, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: AL3248 Dated: 9th March 1994 Process Type: IPC new application Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A13SE (SE)	213	2	446757 522573
8	<p>Integrated Pollution Controls</p> <p>Name: Haltermann Ltd Location: ICI Billingham Process Plant Park, Agricultural Division; Road 11, P O Box 1, BILLINGHAM, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: BF1700 Dated: 12th February 1999 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A13SE (SE)	214	2	446767 522578

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	<p>Integrated Pollution Controls</p> <p>Name: Haltermann Ltd Location: ICI Billingham Process Plant Park, Agricultural Division; Road 11, P O Box 1, BILLINGHAM, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: AV9468 Dated: 19th June 1996 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A13SE (SE)	216	2	446762 522573
8	<p>Integrated Pollution Controls</p> <p>Name: Haltermann Ltd Location: ICI Billingham Process Plant Park, Agricultural Division; Road 11, P O Box 1, BILLINGHAM, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: AV8704 Dated: 17th June 1996 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A13SE (SE)	216	2	446772 522578
8	<p>Integrated Pollution Controls</p> <p>Name: Haltermann Ltd Location: ICI Billingham Process Plant Park, Agricultural Division; Road 11, P O Box 1, BILLINGHAM, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: AV6272 Dated: 24th May 1996 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A13SE (SE)	218	2	446767 522573
8	<p>Integrated Pollution Controls</p> <p>Name: Haltermann Ltd Location: ICI Billingham Process Plant Park, Agricultural Division; Road 11, P O Box 1, BILLINGHAM, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: AW7843 Dated: 4th October 1996 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A13SE (SE)	220	2	446772 522573
9	<p>Integrated Pollution Controls</p> <p>Name: Terra Nitrogen (Uk) Ltd Location: Ammonia Production Area, Po Box 1, Billingham, Cleveland, Ts23 1le Authority: Environment Agency, North East Region Permit Reference: Bu0346 Dated: 19th March 2003 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.5 A (L) Inorganic Chemical processes within the Chemical Industry Status: Revoked - Now IPPC Positional Accuracy: Manually positioned to the address or location</p>	A13SE (SE)	262	2	446889 522590
9	<p>Integrated Pollution Controls</p> <p>Name: Haltermann Ltd Location: Dow Haltermann Custom Processing, Ici Billingham Process Plant Park, Po Box 1, Billingham, Cleveland, Ts23 4az Authority: Environment Agency, North East Region Permit Reference: AZ9621 Dated: 22nd October 1997 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A13SE (SE)	282	2	446889 522565

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	<p>Integrated Pollution Controls</p> <p>Name: Haltermann Ltd Location: Dow Haltermann Custom Processing, Ici Billingham Process Plant Park, Po Box 1, Billingham, Cleveland, Ts23 4az Authority: Environment Agency, North East Region Permit Reference: BA0048 Dated: 31st October 1997 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A13SE (SE)	283	2	446893 522567
9	<p>Integrated Pollution Controls</p> <p>Name: Haltermann Ltd Location: Dow Haltermann Custom Processing, Ici Billingham Process Plant Park, Po Box 1, Billingham, Cleveland, Ts23 4az Authority: Environment Agency, North East Region Permit Reference: BD6603 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A13SE (SE)	289	2	446894 522560
9	<p>Integrated Pollution Controls</p> <p>Name: Air Products (Chemicals) Teesside Ltd Location: Air Products Production Area, Po Box 1, Billingham, Cleveland, Ts23 1le Authority: Environment Agency, North East Region Permit Reference: Bu0354 Dated: Not Supplied Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Application has met the requirements for authorisation (but not yet authorised) Positional Accuracy: Manually positioned to the address or location</p>	A14SW (SE)	320	2	446933 522550
10	<p>Integrated Pollution Controls</p> <p>Name: Terra Nitrogen (Uk) Ltd Location: Ammonia Production Area, Po Box 1, BILLINGHAM, Cleveland, TS23 1LE Authority: Environment Agency, North East Region Permit Reference: BI1002 Dated: 19th July 2001 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.5 A (L) Inorganic Chemical processes within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned within the geographical locality</p>	A8NW (S)	373	2	446555 522288
11	<p>Integrated Pollution Controls</p> <p>Name: Haltermann Ltd Location: Dow Haltermann Custom Processing, Ici Billingham Process Plant Park, Po Box 1, Billingham, Cleveland, Ts23 4az Authority: Environment Agency, North East Region Permit Reference: AZ1604 Dated: 11th July 1997 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A14SW (SE)	408	2	447038 522526
12	<p>Integrated Pollution Controls</p> <p>Name: Haltermann Ltd Location: Dow Haltermann Custom Processing, Ici Billingham Process Plant Park, Po Box 1, Billingham, Cleveland, Ts23 4az Authority: Environment Agency, North East Region Permit Reference: AY3881 Dated: 3rd April 1997 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A14SW (E)	427	2	447083 522551

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	<p>Integrated Pollution Controls</p> <p>Name: Haltermann Ltd Location: Dow Haltermann Custom Processing, Ici Billingham Process Plant Park, Po Box 1, Billingham, Cleveland, Ts23 4az Authority: Environment Agency, North East Region Permit Reference: Bv4169 Dated: 28th July 2003 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Revoked - Now IPPC Positional Accuracy: Manually positioned to the address or location</p>	A8NE (S)	476	2	446691 522242
14	<p>Integrated Pollution Controls</p> <p>Name: Exwold Technology Ltd Location: Po Box 22, Haverton Hill Industrial Estate, Haverton Hill, BILLINGHAM, Cleveland, TS23 1YJ Authority: Environment Agency, North East Region Permit Reference: BE2573 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.5 A (M) Inorganic Chemical processes within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Unknown</p>	A12SE (W)	509	2	445904 522524
15	<p>Integrated Pollution Controls</p> <p>Name: Dalkia Utilities Services Plc Location: Terra Nitrogen (uk), Po Box 81, BILLINGHAM, Cleveland, TS23 1XT Authority: Environment Agency, North East Region Permit Reference: BC2076 Dated: 27th January 1999 Process Type: IPC new application Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Revoked - Now IPPC Positional Accuracy: Located by supplier to within 10m</p>	A14SW (SE)	515	2	447070 522410
16	<p>Integrated Pollution Controls</p> <p>Name: Haltermann Ltd Location: Dow Haltermann Custom Processing, Ici Billingham Process Plant Park, Po Box 1, Billingham, Cleveland, Ts23 4az Authority: Environment Agency, North East Region Permit Reference: AZ9915 Dated: 5th June 1998 Process Type: IPC major (substantial) variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A9NW (SE)	544	2	447012 522334
16	<p>Integrated Pollution Controls</p> <p>Name: Terra Nitrogen (Uk) Ltd Location: NITRIC ACID PLANT, PO BOX 81, BILLINGHAM, CLEVELAND, TS23 1XT Authority: Environment Agency, North East Region Permit Reference: Bl6870 Dated: 10th August 2001 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.3 A (D) Acid processes within the Chemical Industry Status: Revoked - Now IPPC Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	568	2	447000 522300
16	<p>Integrated Pollution Controls</p> <p>Name: Terra Nitrogen (uk) Ltd Location: NITRIC ACID PLANT, PO BOX 81, BILLINGHAM, CLEVELAND, TS23 1XT Authority: Environment Agency, North East Region Permit Reference: BG2990 Dated: 30th June 1999 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.3 A (D) Acid processes within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	568	2	447000 522300
16	<p>Integrated Pollution Controls</p> <p>Name: Terra Nitrogen (uk) Ltd Location: NITRIC ACID PLANT, PO BOX 81, BILLINGHAM, CLEVELAND, TS23 1XT Authority: Environment Agency, North East Region Permit Reference: BE9217 Dated: 27th January 1999 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.3 A (D) Acid processes within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	568	2	447000 522300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	<p>Integrated Pollution Controls</p> <p>Name: Terra Nitrogen (uk) Ltd Location: NITRIC ACID PLANT, PO BOX 81, BILLINGHAM, CLEVELAND, TS23 1XT Authority: Environment Agency, North East Region Permit Reference: BE6625 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.3 A (D) Acid processes within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	568	2	447000 522300
16	<p>Integrated Pollution Controls</p> <p>Name: Terra Nitrogen (uk) Ltd Location: NITRIC ACID PLANT, PO BOX 81, BILLINGHAM, CLEVELAND, TS23 1XT Authority: Environment Agency, North East Region Permit Reference: BC2696 Dated: 10th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.3 A (D) Acid processes within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	568	2	447000 522300
16	<p>Integrated Pollution Controls</p> <p>Name: Terra Nitrogen (uk) Ltd Location: NITRIC ACID PLANT, PO BOX 81, BILLINGHAM, CLEVELAND, TS23 1XT Authority: Environment Agency, North East Region Permit Reference: AY7224 Dated: 8th May 1997 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.3 A (D) Acid processes within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	568	2	447000 522300
16	<p>Integrated Pollution Controls</p> <p>Name: Terra Nitrogen (Uk) Ltd Location: NITRIC ACID PLANT, PO BOX 81, BILLINGHAM, CLEVELAND, TS23 1XT Authority: Environment Agency, North East Region Permit Reference: AW6049 Dated: 22nd November 1996 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.3 A (D) Acid processes within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	568	2	447000 522300
16	<p>Integrated Pollution Controls</p> <p>Name: Terra Nitrogen (Uk) Ltd Location: NITRIC ACID PLANT, PO BOX 81, BILLINGHAM, CLEVELAND, TS23 1XT Authority: Environment Agency, North East Region Permit Reference: AR4239 Dated: 7th July 1995 Process Type: IPC major (substantial) variation Description: 4.3 A (D) Acid processes within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	568	2	447000 522300
16	<p>Integrated Pollution Controls</p> <p>Name: Terra Nitrogen (Uk) Ltd Location: NITRIC ACID PLANT, PO BOX 81, BILLINGHAM, CLEVELAND, TS23 1XT Authority: Environment Agency, North East Region Permit Reference: AQ5809 Dated: 10th March 1995 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.3 A (D) Acid processes within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	568	2	447000 522300
16	<p>Integrated Pollution Controls</p> <p>Name: Terra Nitrogen (Uk) Ltd Location: NITRIC ACID PLANT, PO BOX 81, BILLINGHAM, CLEVELAND, TS23 1XT Authority: Environment Agency, North East Region Permit Reference: AL7561 Dated: 5th August 1994 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 4.3 A (D) Acid processes within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	568	2	447000 522300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	<p>Integrated Pollution Controls</p> <p>Name: Terra Nitrogen (Uk) Ltd Location: Ammonia Production Area, Po Box 1, Billingham, Cleveland, Ts23 1le Authority: Environment Agency, North East Region Permit Reference: Br9090 Dated: 11th April 2002 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.5 A (L) Inorganic Chemical processes within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Located by supplier to within 10m</p>	A14SW (SE)	614	2	447210 522410
18	<p>Integrated Pollution Controls</p> <p>Name: Haltermann Ltd Location: Haltermann, Ici Billingham Process Plant Park, Po Box 1, BILLINGHAM, Cleveland, TS23 4AZ Authority: Environment Agency, North East Region Permit Reference: Bm2136 Dated: 28th September 2001 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A14SE (E)	672	2	447333 522489
19	<p>Integrated Pollution Controls</p> <p>Name: Air Products (Chemicals) Teesside Ltd Location: Ammonia Production Area, P O Box 1, BILLINGHAM, Cleveland, TS23 1LE Authority: Environment Agency, North East Region Permit Reference: BH9833 Dated: 27th March 2000 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Revoked - Now IPPC Positional Accuracy: Manually positioned to the address or location</p>	A9NW (SE)	696	2	447065 522190
19	<p>Integrated Pollution Controls</p> <p>Name: Air Products (Chemicals) Teesside Ltd Location: Ammonia Production Area, P O Box 1, BILLINGHAM, Cleveland, TS23 1LE Authority: Environment Agency, North East Region Permit Reference: BF7775 Dated: 15th September 1999 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A9NW (SE)	696	2	447065 522190
19	<p>Integrated Pollution Controls</p> <p>Name: Air Products (Chemicals) Teesside Ltd Location: Ammonia Production Area, P O Box 1, BILLINGHAM, Cleveland, TS23 1LE Authority: Environment Agency, North East Region Permit Reference: BF2960 Dated: 1st March 1999 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A9NW (SE)	696	2	447065 522190
19	<p>Integrated Pollution Controls</p> <p>Name: Air Products (Chemicals) Teesside Ltd Location: Ammonia Production Area, Po Box 1, BILLINGHAM, Cleveland, TS23 1LE Authority: Environment Agency, North East Region Permit Reference: BD5496 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A9NW (SE)	696	2	447065 522190
19	<p>Integrated Pollution Controls</p> <p>Name: Air Products (Chemicals) Teesside Ltd Location: Ammonia Production Area, Po Box 1, BILLINGHAM, Cleveland, TS23 1LE Authority: Environment Agency, North East Region Permit Reference: BD2993 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (C) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation revoked Positional Accuracy: Manually positioned within the geographical locality</p>	A9NW (SE)	696	2	447065 522190

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	<p>Integrated Pollution Controls</p> <p>Name: Air Products (Chemicals) Teesside Ltd Location: Ammonia Production Area, PO Box 1, BILLINGHAM, Cleveland, TS23 1LE Authority: Environment Agency, North East Region Permit Reference: AV1688 Dated: 26th March 1996 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A9NW (SE)	696	2	447065 522190
19	<p>Integrated Pollution Controls</p> <p>Name: Air Products (Chemicals) Teesside Ltd Location: Ammonia Production Area, P O Box 1, BILLINGHAM, Cleveland, TS23 1LE Authority: Environment Agency, North East Region Permit Reference: AT5569 Dated: 20th October 1995 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (C) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned within the geographical locality</p>	A9NW (SE)	696	2	447065 522190
19	<p>Integrated Pollution Controls</p> <p>Name: Air Products (Chemicals) Teesside Ltd Location: Ammonia Production Area, P O Box 1, BILLINGHAM, Cleveland, TS23 1LE Authority: Environment Agency, North East Region Permit Reference: AT5577 Dated: 20th October 1995 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A9NW (SE)	696	2	447065 522190
19	<p>Integrated Pollution Controls</p> <p>Name: Air Products (Chemicals) Teesside Ltd Location: Ammonia Production Area, P O Box 1, BILLINGHAM, Cleveland, TS23 1LE Authority: Environment Agency, North East Region Permit Reference: AO3210 Dated: 31st March 1995 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 4.2 A (C) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned within the geographical locality</p>	A9NW (SE)	696	2	447065 522190
19	<p>Integrated Pollution Controls</p> <p>Name: Air Products (Chemicals) Teesside Ltd Location: Ammonia Production Area, P O Box 1, BILLINGHAM, Cleveland, TS23 1LE Authority: Environment Agency, North East Region Permit Reference: AO9277 Dated: 31st March 1995 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A9NW (SE)	696	2	447065 522190
20	<p>Integrated Pollution Controls</p> <p>Name: Haltermann Ltd Location: Ici Billingham, Process Plant Park, Po Box 1, BILLINGHAM, Cleveland, TS23 4AZ Authority: Environment Agency, North East Region Permit Reference: BE1704 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A19SE (NE)	706	2	447251 523292

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	<p>Integrated Pollution Controls</p> <p>Name: Haltermann Ltd Location: Ici Billingham, Process Plant Park, Po Box 1, BILLINGHAM, Cleveland, TS23 4AZ Authority: Environment Agency, North East Region Permit Reference: BC1436 Dated: 25th August 1999 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Revoked - Now IPPC Positional Accuracy: Manually positioned to the address or location</p>	A19SE (NE)	709	2	447251 523297
21	<p>Integrated Pollution Controls</p> <p>Name: Haltermann Ltd Location: Dow Haltermann Custom Processing, Ici Billingham Process Plant Park, Po Box 1, Billingham, Cleveland, Ts23 4az Authority: Environment Agency, North East Region Permit Reference: Bp3632 Dated: 8th September 2000 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Revoked - Now IPPC Positional Accuracy: Manually positioned to the address or location</p>	A14SE (E)	795	2	447467 522482
22	<p>Integrated Pollution Prevention And Control</p> <p>Name: Johnson Matthey Plc Location: Belasis Avenue Manufacturing Science Centre Catalyst Production - Epr/Kp3536uc, Belasis Avenue Manufacturing Science Centre, Po Box 1, Belasis Avenue,, Billingham, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: FP3333QW Original Permit Ref: Kp3536uc Effective Date: 16th October 2018 Status: Effective Application Type: Variation App. Sub Type: Standard Positional Accuracy: Manually positioned to the road within the address or location Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 4.2 A(1) (A) (V) Activity Description: Inorganic Chemicals; Non Metals Etc Eg Calcium Carbide Primary Activity: Y</p>	A13SW (S)	8	2	446552 522697
22	<p>Integrated Pollution Prevention And Control</p> <p>Name: Snf Oil And Gas Limited Location: Billingham Emulsion Plant Epr/Vp3439yg, Billingham Emulsion Plant, Belasis Avenue,, Billingham, TS23 1QY Authority: Environment Agency, North East Region Permit Reference: VP3439YG Original Permit Ref: Vp3439yg Effective Date: 17th November 2017 Status: Effective Application Type: Application App. Sub Type: New Positional Accuracy: Manually positioned to the road within the address or location Activity Code: 4.1 A(1) (A) (VIII) Activity Description: Organic Chemicals; Plastic Materials Eg Polymers Primary Activity: Y Activity Code: 4.1 A(1) (A) (XI) Activity Description: Organic Chemicals; Surface-Active Agents Primary Activity: N Activity Code: 4.1 A(1) (A) (IV) Activity Description: Organic Chemicals; Nitrogen Containing Compounds Eg Amines Primary Activity: N Activity Code: 4.1 A(1) (A) (II) Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols Primary Activity: N</p>	A13SE (SE)	9	2	446600 522721

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	<p>Integrated Pollution Prevention And Control</p> <p>Name: Air Products (Chemicals) Teeside Limited Location: Teesside Amines And Derivatives, Po Box 6 Terra Billingham Site, Belasis Avenue, Billingham, Cleveland, TS23 1XX Authority: Environment Agency, North East Region Permit Reference: Bv5076iq Original Permit Ref: Bv5076iq Effective Date: 22nd April 2004 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Manually positioned to the road within the address or location Activity Code: 4.1 A(1) (A) (IV) Activity Description: Organic Chemicals; Nitrogen Containing Compounds Eg Amines Primary Activity: Y</p>	A13SE (SE)	12	2	446582 522709
23	<p>Integrated Pollution Prevention And Control</p> <p>Name: Johnson Matthey Plc Location: Belasis Ave, Science Centre Epr/Kp3536uc - Po 4300024190, Belasis Avenue Manufacturing Science Centre, Belasis Avenue, Billingham, Cleveland, Ts23 1lb Authority: Environment Agency, North East Region Permit Reference: CP3530WA Original Permit Ref: Kp3536uc Effective Date: 13th October 2014 Status: Superseded By Variation Application Type: Variation App. Sub Type: Standard Positional Accuracy: Manually positioned to the road within the address or location Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 4.2 A(1) (A) (V) Activity Description: Inorganic Chemicals; Non Metals Etc Eg Calcium Carbide Primary Activity: Y</p>	A13NE (E)	8	2	446649 522748
24	<p>Integrated Pollution Prevention And Control</p> <p>Name: Johnson Matthey Plc Location: Belasis Avenue Manufacturing Science Centre Catalyst Production, Belasis Avenue Manufacturing Science Centre, Po Box 1, Belasis Avenue,, Billingham, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: NP3831QG Original Permit Ref: Kp3536uc Effective Date: Not Supplied Status: Valid Application Type: Variation App. Sub Type: Standard Positional Accuracy: Manually positioned to the road within the address or location Activity Code: 4.2 A(1) (A) (V) Activity Description: Inorganic Chemicals; Non Metals Etc Eg Calcium Carbide Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N</p>	A13SW (SW)	10	2	446466 522650
25	<p>Integrated Pollution Prevention And Control</p> <p>Name: Johnson Matthey Plc Location: Belasis Avenue Manufacturing Science Centre Catalyst Production, Belasis Avenue Manufacturing Science Centre, Po Box 1, Belasis Avenue,, Billingham, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: KP3536UC Original Permit Ref: Kp3536uc Effective Date: 8th May 2009 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Manually positioned to the address or location Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 4.2 A(1) (A) (V) Activity Description: Inorganic Chemicals; Non Metals Etc Eg Calcium Carbide Primary Activity: Y</p>	A13SW (S)	57	2	446518 522624

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	<p>Integrated Pollution Prevention And Control</p> <p>Name: Fujifilm Diosynth Biotechnologies UK Limited Location: Chilton Lifesciences, Po Box 2, Belasis Avenue,, BILLINGHAM, Cleveland, TS23 1YN Authority: Environment Agency, North East Region Permit Reference: MP3139TF Original Permit Ref: Bj8987iq Effective Date: 29th March 2010 Status: Effective Application Type: Variation App. Sub Type: Minor Positional Accuracy: Located by supplier to within 100m Activity Code: 4.5 A(1) (A) Activity Description: Pharmaceuticals; Producing Pharmaceuticals Using Chemical/Biological Processes Primary Activity: Y</p>	A13SE (S)	117	2	446600 522600
27	<p>Integrated Pollution Prevention And Control</p> <p>Name: Avecia Biologics Ltd Location: Chilton Lifesciences, P.O. Box 2, Belasis Avenue, Billingham, Stockton on Tees, TS23 1YN Authority: Environment Agency, North East Region Permit Reference: BJ8987IQ Original Permit Ref: Bj8987iq Effective Date: 29th March 2007 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Manually positioned to the road within the address or location Activity Code: 4.5 A(1) (A) Activity Description: Pharmaceuticals; Producing Pharmaceuticals Using Chemical/Biological Processes Primary Activity: Y</p>	A14NW (E)	460	2	447175 522955
28	<p>Integrated Pollution Prevention And Control</p> <p>Name: Px Ltd Location: Methanol Plant, Billingham Site, Billingham, Cleveland, Ts23 1le Authority: Environment Agency, North East Region Permit Reference: Bv1224 Original Permit Ref: Bv1224 Effective Date: Not Supplied Status: Operator Withdrawn Application Type: Not Supplied App. Sub Type: Not Supplied Positional Accuracy: Manually positioned to the address or location Activity Code: 4.1 A(1) (A) (II) Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols Primary Activity: Not Supplied</p>	A14SW (E)	535	2	447197 522527
29	<p>Integrated Pollution Prevention And Control</p> <p>Name: Chemoxy International Ltd Location: Billingham Custom Processing Site - Epr/Bt9844ik, Process Park, Road 11,Po Box 1., Billingham, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: VP3232AZ Original Permit Ref: Bt9844ik Effective Date: 23rd July 2015 Status: Effective Application Type: Variation App. Sub Type: Standard Positional Accuracy: Located by supplier to within 10m Activity Code: 4.1 A(1) (A) (II) Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols Primary Activity: Y</p>	A8NE (S)	574	2	446670 522120
29	<p>Integrated Pollution Prevention And Control</p> <p>Name: Chemoxy International Ltd Location: Billingham Custom Processing Site, Process Park, Road 11,Po Box 1., Billingham, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: CP3939VR Original Permit Ref: Bt9844ik Effective Date: 15th July 2014 Status: Superseded By Variation Application Type: Variation App. Sub Type: Standard Positional Accuracy: Located by supplier to within 10m Activity Code: 4.1 A(1) (A) (II) Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols Primary Activity: Y</p>	A8NE (S)	574	2	446670 522120

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	<p>Integrated Pollution Prevention And Control</p> <p>Name: Chemoxy International Ltd Location: Billingham Custom Processing, Process Park, Road 11, Po Box 1,, Billingham, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: FP3732ND Original Permit Ref: Bt9844ik Effective Date: 1st October 2013 Status: Superseded By Variation Application Type: Variation App. Sub Type: Standard Positional Accuracy: Located by supplier to within 10m Activity Code: 4.1 A(1) (A) (II) Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols Primary Activity: Y</p>	A8NE (S)	574	2	446670 522120
29	<p>Integrated Pollution Prevention And Control</p> <p>Name: Chemoxy International Ltd Location: Billingham Custom Processing, Process Park, Road 11, Po Box 1, Billingham, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: Lp3735sz Original Permit Ref: Bt9844ik Effective Date: 25th March 2005 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Located by supplier to within 10m Activity Code: 4.1 A(1) (A) (II) Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols Primary Activity: Y</p>	A8NE (S)	574	2	446670 522120
29	<p>Integrated Pollution Prevention And Control</p> <p>Name: Chemoxy International Ltd Location: Billingham Custom Processing, Dow Haltermann Custom Processi, Ici Billingham Process Plant P, Po Box 1, Billingham, Cleveland, TS23 4AZ Authority: Environment Agency, North East Region Permit Reference: Bt9844ik Original Permit Ref: Bt9844ik Effective Date: 29th March 2004 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Located by supplier to within 10m Activity Code: 4.1 A(1) (A) (II) Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols Primary Activity: Y</p>	A8NE (S)	574	2	446670 522120
30	<p>Integrated Pollution Prevention And Control</p> <p>Name: Chemoxy International Ltd Location: Billingham Custom Processing, Process Park, Road 11, Po Box 1, Billingham, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: DP3031LP Original Permit Ref: Bt9844ik Effective Date: 15th September 2006 Status: Superseded By Variation Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Manually positioned within the geographical locality Activity Code: 4.1 A(1) (A) (II) Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols Primary Activity: Y</p>	A14SE (E)	657	2	447306 522470
31	<p>Integrated Pollution Prevention And Control</p> <p>Name: Chemoxy International Ltd Location: Billingham Custom Processing, Process Park, Road 11, Po Box 1,, Billingham, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: ZP3734GZ Original Permit Ref: Bt9844ik Effective Date: 18th January 2009 Status: Superseded By Variation Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Manually positioned within the geographical locality Activity Code: 4.1 A(1) (A) (II) Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols Primary Activity: Y</p>	A9NW (SE)	668	2	446933 522152

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	<p>Integrated Pollution Prevention And Control</p> <p>Name: Growhow Uk (East)Ltd Location: Billingham Fertiliser Works Epr/Bx3287ik, Billingham Fertiliser Works, Billingham,, Stockton on Tees, Cleveland, TS23 1XT Authority: Environment Agency, North East Region Permit Reference: Bx3287ik Original Permit Ref: Bx3287ik Effective Date: 30th September 2005 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Manually positioned within the geographical locality Activity Code: 4.2 A(1) (A) (II) Activity Description: Inorganic Chemicals; Acids Eg Chromic Acid Primary Activity: Y Activity Code: 4.8 B a) Activity Description: The storage of chemicals in bulk Primary Activity: N</p>	A9NE (SE)	750	2	447363 522387
33	<p>Integrated Pollution Prevention And Control</p> <p>Name: Dalkia Utilities Services Plc Location: Billingham Fertiliser Works Epr/Bx3295iu, Terra Production Centre,Billingham Site, Billingham,, Stockton, Teeside, TS23 1XT Authority: Environment Agency, North East Region Permit Reference: HP3534XK Original Permit Ref: Bx3295iu Effective Date: 1st May 2008 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Manually positioned to the address or location Activity Code: 4.2 A(1) (A) (I) Activity Description: Inorganic Chemicals; Gases Eg Ammonia, Primary Activity: Y Activity Code: 4.3 A(1) (A) Activity Description: Chemical Fertilisers; Producing Etc Phosphorous, Nitrogen Or Potassium Based Fertilisers Etc Primary Activity: N Activity Code: 4.8 B a) Activity Description: The storage of chemicals in bulk Primary Activity: N Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: N Activity Code: 4.2 A(1) (A) (II) Activity Description: Inorganic Chemicals; Acids Eg Chromic Acid Primary Activity: N</p>	A9NW (SE)	753	2	447197 522207
33	<p>Integrated Pollution Prevention And Control</p> <p>Name: Veolia Energy & Utility Services Uk Plc Location: Billingham Fertiliser Works Epr/Bx3295iu, Terra Production Centre,Billingham Site, Billingham,, Stockton, Teeside, TS23 1XT Authority: Environment Agency, North East Region Permit Reference: UP3333RT Original Permit Ref: Bx3295iu Effective Date: 1st January 2016 Status: Effective Application Type: Variation App. Sub Type: Standard Positional Accuracy: Located by supplier to within 100m Activity Code: 4.8 B a) Activity Description: The storage of chemicals in bulk Primary Activity: N Activity Code: 4.2 A(1) (A) (I) Activity Description: Inorganic Chemicals; Gases Eg Ammonia, Primary Activity: Y Activity Code: 4.3 A(1) (A) Activity Description: Chemical Fertilisers; Producing Etc Phosphorous, Nitrogen Or Potassium Based Fertilisers Etc Primary Activity: N Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: N Activity Code: 4.2 A(1) (A) (II) Activity Description: Inorganic Chemicals; Acids Eg Chromic Acid Primary Activity: N</p>	A9NW (SE)	760	2	447200 522200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	<p>Integrated Pollution Prevention And Control</p> <p>Name: Veolia Energy & Utility Services Uk Plc Location: Billingham Fertiliser Works Epr/Bx3295iu, Terra Production Centre,Billingham Site, Billingham,, Stockton, Teeside, TS23 1XT Authority: Environment Agency, North East Region Permit Reference: RP3231WU Original Permit Ref: Bx3295iu Effective Date: 28th January 2015 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Located by supplier to within 100m Activity Code: 4.8 B a) Activity Description: The storage of chemicals in bulk Primary Activity: N Activity Code: 4.2 A(1) (A) (I) Activity Description: Inorganic Chemicals; Gases Eg Ammonia, Primary Activity: Y Activity Code: 4.2 A(1) (A) (II) Activity Description: Inorganic Chemicals; Acids Eg Chromic Acid Primary Activity: N Activity Code: 4.3 A(1) (A) Activity Description: Chemical Fertilisers; Producing Etc Phosphorous, Nitrogen Or Potassium Based Fertilisers Etc Primary Activity: N Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: N</p>	A9NW (SE)	760	2	447200 522200
33	<p>Integrated Pollution Prevention And Control</p> <p>Name: Dalkia Utilities Services Plc Location: Billingham Fertiliser Works Epr/Bx3295iu, Terra Production Centre,Billingham Site, Billingham,, Stockton, Teeside, TS23 1XT Authority: Environment Agency, North East Region Permit Reference: Bx3295iu Original Permit Ref: Bx3295iu Effective Date: 31st August 2005 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Located by supplier to within 100m Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: Y</p>	A9NW (SE)	760	2	447200 522200
34	<p>Integrated Pollution Prevention And Control</p> <p>Name: Air Products (Chemicals) Teeside Limited Location: Teesside Amines And Derivatives, Po Box 6 Terra Billingham Site, Belasis Avenue, Billingham, Cleveland, Ts23 1xx Authority: Environment Agency, North East Region Permit Reference: Bp3936st Original Permit Ref: Bv5076iq Effective Date: 3rd October 2005 Status: Surrender Effective Application Type: Surrender App. Sub Type: Whole Positional Accuracy: Manually positioned within the geographical locality Activity Code: 4.1 A(1) (A) (IV) Activity Description: Organic Chemicals; Nitrogen Containing Compounds Eg Amines Primary Activity: Y</p>	A9NW (SE)	768	2	447010 522080
35	<p>Integrated Pollution Prevention And Control</p> <p>Name: Px Methanol Limited Location: Billingham Methanol Plant, Billingham Methanol Plant, Billingham Site,, Billingham, TS23 1LE Authority: Environment Agency, North East Region Permit Reference: PP3437MT Original Permit Ref: Pp3437mt Effective Date: Not Supplied Status: Valid Application Type: Application App. Sub Type: New Positional Accuracy: Manually positioned within the geographical locality Activity Code: 1.2 A(1) (B) Activity Description: Gasification, Liquifac. And Refining; Reforming Natural Gas Primary Activity: Y Activity Code: 4.1 A(1) (A) (I) Activity Description: Organic Chemicals; Hydrocarbons Eg Aromatics Primary Activity: N</p>	A14SE (E)	812	2	447442 522397

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	<p>Integrated Pollution Prevention And Control</p> <p>Name: Frutarom (Uk) Ltd Location: Billingham Speciality Ingredients Facility Epr/Bx4399iv, Belasis Avenue, Billingham,, STOCKTON-ON-TEES, TS23 1LQ Authority: Environment Agency, North East Region Permit Reference: ZP3933GE Original Permit Ref: Bx4399iv Effective Date: 5th April 2010 Status: Effective Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 4.1 A(1) (A) (II) Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols Primary Activity: N Activity Code: 4.1 A(1) (A) (III) Activity Description: Organic Chemicals; Sulphur Containing Compounds Eg Sulphides Primary Activity: N Activity Code: 4.1 A(1) (A) (IV) Activity Description: Organic Chemicals; Nitrogen Containing Compounds Eg Amines Primary Activity: N Activity Code: 4.1 A(1) (A) (VI) Activity Description: Organic Chemicals; Halogen Containg Compounds Eg Halocarbons Primary Activity: N Activity Code: 4.1 A(1) (A) (I) Activity Description: Organic Chemicals; Hydrocarbons Eg Aromatics Primary Activity: Y</p>	A15NW (E)	922	2	447653 522943
36	<p>Integrated Pollution Prevention And Control</p> <p>Name: Frutarom (Uk) Ltd Location: Billingham Speciality Ingredients Facility Epr/Bx4399iv, Belasis Avenue, Billingham,, STOCKTON-ON-TEES, TS23 1LQ Authority: Environment Agency, North East Region Permit Reference: Bx4399iv Original Permit Ref: Bx4399iv Effective Date: 6th September 2004 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 4.1 A(1) (A) (VI) Activity Description: Organic Chemicals; Halogen Containg Compounds Eg Halocarbons Primary Activity: N Activity Code: 4.1 A(1) (A) (I) Activity Description: Organic Chemicals; Hydrocarbons Eg Aromatics Primary Activity: Y Activity Code: 4.1 A(1) (A) (III) Activity Description: Organic Chemicals; Sulphur Containing Compounds Eg Sulphides Primary Activity: N Activity Code: 4.1 A(1) (A) (IV) Activity Description: Organic Chemicals; Nitrogen Containing Compounds Eg Amines Primary Activity: N Activity Code: 4.1 A(1) (A) (II) Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols Primary Activity: N</p>	A15NW (E)	922	2	447653 522943
37	<p>Integrated Pollution Prevention And Control</p> <p>Name: Tracerco Limited Location: Tracerco Reservoir Manufacturing Laboratory Epr/Cp3736ru, Pavilion 11, Coxwold Way,Belasis Hall Technology Park,, Billingham, Stockton-On-Tees, TS23 4EA Authority: Environment Agency, North East Region Permit Reference: CP3736RU Original Permit Ref: Cp3736ru Effective Date: 24th May 2016 Status: Effective Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 4.1 A(1) (A) (VIII) Activity Description: Organic Chemicals; Plastic Materials Eg Polymers Primary Activity: Y</p>	A20SW (E)	991	2	447649 523201
38	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Mackinlay Hyde Motors Ltd Location: Cowpen Lane, Billingham, Cleveland, TS23 1LA Authority: Stockton-on-Tees Borough Council, Environmental Health Department Permit Reference: B/47 Dated: 29th November 1993 Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m</p>	A13NW (W)	49	3	446359 522785

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
39	Local Authority Pollution Prevention and Controls Name: Northern Area Networks Location: Land at ICI Billingham, BILLINGHAM, Cleveland, TS23 Authority: Stockton-on-Tees Borough Council, Environmental Health Department Permit Reference: B/68 Dated: 11th August 1998 Process Type: Local Authority Air Pollution Control Description: PG1/15 Odourising natural gas & liquified petroleum gas Status: Site Closed Positional Accuracy: Manually positioned to the address or location	A14SW (E)	561	3	447231 522533
40	Local Authority Pollution Prevention and Controls Name: Laundrette Location: 38 Mill Lane, Billingham, TS23 1HF Authority: Stockton-on-Tees Borough Council, Environmental Health Department Permit Reference: DC/9 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Permitted Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	680	3	446006 522075
41	Local Authority Pollution Prevention and Controls Name: Lookers Billingham Location: Central Garage, BILLINGHAM, Cleveland, TS23 1PB Authority: Stockton-on-Tees Borough Council, Environmental Health Department Permit Reference: B/54 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles Status: Authorisation revoked Positional Accuracy: Manually positioned to the address or location	A11NE (W)	901	3	445515 522914
42	Local Authority Pollution Prevention and Controls Name: Beck Valley Service Station Location: Wolviston Road, BILLINGHAM, Cleveland, TS23 1PB Authority: Stockton-on-Tees Borough Council, Environmental Health Department Permit Reference: Ps/01 Dated: 23rd December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Automatically positioned to the address	A11NE (W)	905	3	445506 522861
43	Local Authority Pollution Prevention and Controls Name: High Grange Service Station Location: Marsh House Avenue, BILLINGHAM, Cleveland, TS23 3TG Authority: Stockton-on-Tees Borough Council, Environmental Health Department Permit Reference: Ps/09 Dated: 23rd December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Site Closed Positional Accuracy: Manually positioned to the address or location	A23SW (N)	917	3	446457 523742
43	Local Authority Pollution Prevention and Controls Name: Tesco Service Station Location: Marsh House Avenue, BILLINGHAM, Cleveland, TS23 3TG Authority: Stockton-on-Tees Borough Council, Environmental Health Department Permit Reference: Ps/22 Dated: 23rd December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Manually positioned to the address or location	A23SW (N)	917	3	446457 523742
	Nearest Surface Water Feature	A18SE (N)	273	-	446655 523087
44	Registered Radioactive Substances Name: Johnson Matthey Plc Location: Po Box 1, Belasis Avenue, Billingham, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: Bz7526 Dated: 24th March 2006 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA Status: Application has been authorised and any conditions apply to the operator Positional Accuracy: Manually positioned to the road within the address or location	A13NE (E)	7	2	446621 522735

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	<p>Registered Radioactive Substances</p> <p>Name: Johnson Matthey Plc Location: Po Box 1, Orde Ingate Way, Billingham, Ts23 1lb Authority: Environment Agency, North East Region Permit Reference: CB3535DU Dated: Not Supplied Process Type: Not Supplied Description: Not Supplied Status: Authorisation certificate surrendered by operator Positional Accuracy: Located by supplier to within 100m</p>	A13SW (S)	52	2	446500 522620
46	<p>Registered Radioactive Substances</p> <p>Name: Ici Chemicals And Polymers Ltd Location: R2 Building, BILLINGHAM, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: AY7089 Dated: 28th February 1998 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Site subject to licensing under S1 of Nuclear Installations Act 1965- Reprocessing Plants, Power Stations or other significant nuclear installations Status: Authorisation either revoked or cancelled Positional Accuracy: Manually positioned to the address or location</p>	A13SE (E)	91	2	446716 522690
47	<p>Registered Radioactive Substances</p> <p>Name: Zeneca Ltd Location: PO Box 2, BILLINGHAM, Cleveland, TS23 1YN Authority: Environment Agency, North East Region Permit Reference: BL2602 Dated: 11th September 2001 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA Status: Authorisation either revoked or cancelled Positional Accuracy: Located by supplier to within 100m</p>	A13SE (S)	117	2	446600 522600
48	<p>Registered Radioactive Substances</p> <p>Name: Ici Chemicals And Polymers Ltd Location: Main Building, Billingham, Cleveland, Ts23 1lb Authority: Environment Agency, North East Region Permit Reference: Bw4822 Dated: 1st December 2003 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA Status: Authorisation either revoked or cancelled Positional Accuracy: Manually positioned to the address or location</p>	A13SE (SE)	153	2	446742 522633
48	<p>Registered Radioactive Substances</p> <p>Name: Ici Chemicals And Polymers Ltd Location: P O Box 1, R2 Building; Agricultural Division, BILLINGHAM, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: Al8145 Dated: 10th August 1994 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned within the geographical locality</p>	A13SE (SE)	167	2	446742 522618
48	<p>Registered Radioactive Substances</p> <p>Name: Imperial Chemical Industries Plc Location: P O Box 1, R2 Building; Agricultural Division, BILLINGHAM, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: AK2726 Dated: 16th December 1992 Process Type: Application under S13 or S14 of RSA to accumulate or dispose of radioactive waste Description: Process under S13 or S14 of RSA 93 Status: Application has met the requirements for authorisation (but not yet authorised) Positional Accuracy: Manually positioned within the geographical locality</p>	A13SE (SE)	171	2	446742 522613

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	<p>Registered Radioactive Substances</p> <p>Name: Quotient Bioresearch (Rushden) Ltd Location: PO Box 2, Belasis Avenue, BILLINGHAM, Cleveland, TS23 1YN Authority: Environment Agency, North East Region Permit Reference: AZ1957 Dated: 22nd July 1997 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)</p> <p>Description: Minor variation to authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A13SE (SE)	182	2	446757 522608
48	<p>Registered Radioactive Substances</p> <p>Name: Ici Chemicals And Polymers Ltd Location: P O Box 1, R2 Building; Agricultural Division, BILLINGHAM, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: AJ0388 Dated: 31st March 1991 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)</p> <p>Description: Authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned within the geographical locality</p>	A13SE (SE)	184	2	446742 522598
48	<p>Registered Radioactive Substances</p> <p>Name: Ici Chemicals And Polymers Ltd Location: P O Box 1, R2 Building; Agricultural Division, BILLINGHAM, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: AB0391 Dated: 14th August 1991 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)</p> <p>Description: Site subject to licensing under S1 of Nuclear Installations Act 1965- Reprocessing Plants, Power Stations or other significant nuclear installations Status: Authorisation either revoked or cancelled Positional Accuracy: Manually positioned within the geographical locality</p>	A13SE (SE)	189	2	446772 522608
48	<p>Registered Radioactive Substances</p> <p>Name: Bio Dynamics Research Ltd Location: P O Box 2, Belasis Avenue, BILLINGHAM, Cleveland, TS23 1YN Authority: Environment Agency, North East Region Permit Reference: AV6752 Dated: 24th July 1996 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1)</p> <p>Description: Registration under the Act of an open source which is also the subject of an authorisation Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A13SE (SE)	194	2	446762 522598
48	<p>Registered Radioactive Substances</p> <p>Name: Ici Chemicals And Polymers Ltd Location: P O Box 1, R2 Building; Agricultural Division, BILLINGHAM, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: AW6685 Dated: 28th February 1998 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)</p> <p>Description: Site subject to licensing under S1 of Nuclear Installations Act 1965- Reprocessing Plants, Power Stations or other significant nuclear installations Status: Authorisation either revoked or cancelled Positional Accuracy: Manually positioned within the geographical locality</p>	A13SE (SE)	198	2	446742 522583
48	<p>Registered Radioactive Substances</p> <p>Name: Quotient Bioresearch (Rushden) Ltd Location: P O Box 2, Belasis Avenue, BILLINGHAM, Cleveland, TS23 1YN Authority: Environment Agency, North East Region Permit Reference: AV6744 Dated: 26th July 1996 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)</p> <p>Description: Authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A13SE (SE)	200	2	446767 522593

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
49	<p>Registered Radioactive Substances</p> <p>Name: Johnson Matthey Plc Location: Chilton Site, Belasis Avenue, Billingham, Ts23 1lh Authority: Environment Agency, North East Region Permit Reference: RB3295DD Dated: Not Supplied Process Type: Not Supplied Description: Not Supplied Status: Application has been determined by the EA Positional Accuracy: Automatically positioned to the address</p>	A13SW (S)	168	2	446531 522506
50	<p>Registered Radioactive Substances</p> <p>Name: Johnson Matthey Plc Location: Po Box 1, Belasis Avenue, Billingham, Cleveland, Ts23 1lb Authority: Environment Agency, North East Region Permit Reference: Bu2179 Dated: 4th September 2003 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the road within the address or location</p>	A14NW (E)	284	2	447008 522900
50	<p>Registered Radioactive Substances</p> <p>Name: Johnson Matthey Plc Location: Po Box 1, Belasis Avenue, Billingham, Cleveland, Ts23 1lb Authority: Environment Agency, North East Region Permit Reference: Bu2187 Dated: 4th September 2003 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Registration under the Act of an open source which is also the subject of an authorisation Status: Application has been authorised and any conditions apply to the operator Positional Accuracy: Manually positioned to the road within the address or location</p>	A14NW (E)	284	2	447006 522905
50	<p>Registered Radioactive Substances</p> <p>Name: Blychem Ltd Location: Pavillion 3, Belasis Hall Technology Park, Belasis Avenue, BILLINGHAM, Cleveland, TS23 1LG Authority: Environment Agency, North East Region Permit Reference: Ca3483 Dated: 29th March 2006 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned within the geographical locality</p>	A14NW (E)	306	2	447025 522918
51	<p>Registered Radioactive Substances</p> <p>Name: Quotient Bioresearch (Rushden) Ltd Location: P O Box 2, Belasis Avenue, BILLINGHAM, Cleveland, TS23 1YN Authority: Environment Agency, North East Region Permit Reference: BB3646 Dated: 5th June 1998 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA Status: Authorisation either revoked or cancelled Positional Accuracy: Manually positioned within the geographical locality</p>	A14SW (E)	425	2	447158 522725
51	<p>Registered Radioactive Substances</p> <p>Name: Avecia Ltd Location: P O Box 2, Belasis Avenue, BILLINGHAM, Cleveland, TS23 1YN Authority: Environment Agency, North East Region Permit Reference: BG4828 Dated: 9th September 1999 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned within the geographical locality</p>	A14SW (E)	428	2	447158 522710

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
51	<p>Registered Radioactive Substances</p> <p>Name: Quotient Bioresearch (Rushden) Ltd Location: P O Box 2, Belasis Avenue, BILLINGHAM, Cleveland, TS23 1YN Authority: Environment Agency, North East Region Permit Reference: BB3638 Dated: 5th June 1998 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Minor variation to a registration under the Act of an open source which is also the subject of an authorisation Status: Authorisation either revoked or cancelled Positional Accuracy: Manually positioned within the geographical locality</p>	A14SW (E)	430	2	447163 522725
51	<p>Registered Radioactive Substances</p> <p>Name: Avecia Ltd Location: P O Box 2, Belasis Avenue, BILLINGHAM, Cleveland, TS23 1YN Authority: Environment Agency, North East Region Permit Reference: Bi5043 Dated: 3rd July 2000 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Minor variation to a registration under the Act of an open source which is also the subject of an authorisation Status: Authorisation either revoked or cancelled Positional Accuracy: Unknown</p>	A14SW (E)	437	2	447168 522715
51	<p>Registered Radioactive Substances</p> <p>Name: Avecia Ltd Location: P O Box 2, Belasis Avenue, BILLINGHAM, Cleveland, TS23 1YN Authority: Environment Agency, North East Region Permit Reference: Al9575 Dated: 31st March 1991 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA Status: Authorisation either revoked or cancelled Positional Accuracy: Manually positioned within the geographical locality</p>	A14SW (E)	444	2	447173 522705
51	<p>Registered Radioactive Substances</p> <p>Name: Avecia Ltd Location: P O Box 2, Belasis Avenue, BILLINGHAM, Cleveland, TS23 1YN Authority: Environment Agency, North East Region Permit Reference: AV5713 Dated: 6th August 1996 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned within the geographical locality</p>	A14SW (E)	445	2	447178 522725
51	<p>Registered Radioactive Substances</p> <p>Name: Avecia Ltd Location: P O Box 2, Belasis Avenue, BILLINGHAM, Cleveland, TS23 1YN Authority: Environment Agency, North East Region Permit Reference: AL1539 Dated: 11th August 1994 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned within the geographical locality</p>	A14SW (E)	447	2	447178 522715
51	<p>Registered Radioactive Substances</p> <p>Name: Avecia Ltd Location: P O Box 2, Belasis Avenue, BILLINGHAM, Cleveland, TS23 1YN Authority: Environment Agency, North East Region Permit Reference: AJ0507 Dated: 11th August 1994 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Registration under the Act of an open source which is also the subject of an authorisation Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned within the geographical locality</p>	A14SW (E)	448	2	447178 522710

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
51	<p>Registered Radioactive Substances</p> <p>Name: Avecia Ltd Location: P O Box 2, Belasis Avenue, BILLINGHAM, Cleveland, TS23 1YN Authority: Environment Agency, North East Region Permit Reference: AJ0353 Dated: 31st March 1991 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA Status: Authorisation either revoked or cancelled Positional Accuracy: Manually positioned within the geographical locality</p>	A14SW (E)	449	2	447178 522705
52	<p>Registered Radioactive Substances</p> <p>Name: Growhow Uk (East) Ltd Location: Terra Nitrogen (uk), Po Box 81, BILLINGHAM, Cleveland, TS23 1XT Authority: Environment Agency, North East Region Permit Reference: BC3021 Dated: 4th January 1999 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned within the geographical locality</p>	A8NE (SE)	500	2	446757 522249
53	<p>Registered Radioactive Substances</p> <p>Name: Sabic Uk Petrochemicals Ulc Location: Wilton International Manufacturing Site, Po Box 99, Wilton, Redcar, Cleveland, TS10 4YA Authority: Environment Agency, North East Region Permit Reference: BI8791 Dated: 25th January 2002 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Discretionary registration under the Act of an open source which is also the subject of an authorisation Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A14SE (E)	672	2	447333 522489
54	<p>Registered Radioactive Substances</p> <p>Name: Blychem Limited Location: Pavillion 3, Belasis Hall Technology Park, Billingham, Ts23 1lg Authority: Environment Agency, North East Region Permit Reference: AW6634 Dated: Not Supplied Process Type: Not Supplied Description: Not Supplied Status: Application has been determined by the EA Positional Accuracy: Located by supplier to within 10m</p>	A19SW (NE)	696	2	447240 523290
54	<p>Registered Radioactive Substances</p> <p>Name: Blychem Limited Location: Pavillion 3, Belasis Hall Technology Park, Billingham, Ts23 1lg Authority: Environment Agency, North East Region Permit Reference: CE0273 Dated: Not Supplied Process Type: Not Supplied Description: Not Supplied Status: Application has been determined by the EA Positional Accuracy: Located by supplier to within 10m</p>	A19SW (NE)	696	2	447240 523290
55	<p>Registered Radioactive Substances</p> <p>Name: Johnson Matthey Plc Location: Po Box 1, Belasis Avenue, Billingham, Cleveland, Ts23 1lb Authority: Environment Agency, North East Region Permit Reference: Bw5110 Dated: 1st December 2003 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the road within the address or location</p>	A14NE (E)	705	2	447419 522995
56	<p>Registered Radioactive Substances</p> <p>Name: Air Products (Chemicals) Teesside Ltd Location: Po Box 6, Belasis Avenue, BILLINGHAM, Cleveland, TS23 1LD Authority: Environment Agency, North East Region Permit Reference: BB6173 Dated: 22nd October 1998 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Registration under the Act of an open source which is also the subject of an authorisation Status: Authorisation either revoked or cancelled Positional Accuracy: Manually positioned to the address or location</p>	A9NW (SE)	707	2	447081 522186

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
57	<p>Registered Radioactive Substances</p> <p>Name: Cambridge Research Biochemicals Ltd Location: Unit 10, Belasis Court, Greenwood Road, BELASIS HALL TECHNOLOGY PARK, BILLINGHAM, Cleveland, TS23 4AZ Authority: Environment Agency, North East Region Permit Reference: Bw5012 Dated: 1st December 2003 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA Status: Authorisation either revoked or cancelled Positional Accuracy: Automatically positioned to the address</p>	A19SW (NE)	727	2	447226 523346
57	<p>Registered Radioactive Substances</p> <p>Name: Cambridge Research Biochemicals Ltd Location: Unit 10/12, Belasis Court, , Greenwood Road, Billingham, Cleveland, TS23 4AZ Authority: Environment Agency, North East Region Permit Reference: Bk8753 Dated: 23rd October 2002 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Substantial variation to a registration under the Act of an open source which is also the subject of an authorisation Status: Application has been authorised and any conditions apply to the operator Positional Accuracy: Manually positioned to the address or location</p>	A19SW (NE)	732	2	447231 523348
57	<p>Registered Radioactive Substances</p> <p>Name: Cambridge Research Biochemicals Ltd Location: Unit 10 Belasis Court, Belasis Hall Technology Park, Greenwood Road, Billingham, Cleveland, TS23 4AZ Authority: Environment Agency, North East Region Permit Reference: Bk8745 Dated: 23rd October 2002 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A19SW (NE)	732	2	447228 523351
57	<p>Registered Radioactive Substances</p> <p>Name: Cambridge Research Biochemicals Ltd Location: Unit 10/12, Belasis Court, , Greenwood Road, Billingham, Cleveland, TS23 4AZ Authority: Environment Agency, North East Region Permit Reference: Bk8443 Dated: 5th April 2001 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Minor variation to a registration under the Act of an open source which is not the subject of an authorisation, or an application for an authorisation Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A19SW (NE)	732	2	447231 523348
58	<p>Registered Radioactive Substances</p> <p>Name: Air Products (Chemicals) Teesside Ltd Location: Po Box 6 , Terra Billingham Site, Belasis Avenue, Stockton-On-Tees, TS23 1XX Authority: Environment Agency, North East Region Permit Reference: Bw4911 Dated: 1st December 2003 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA Status: Authorisation either revoked or cancelled Positional Accuracy: Located by supplier to within 10m</p>	A9NW (SE)	768	2	447010 522080
58	<p>Registered Radioactive Substances</p> <p>Name: Air Products (Chemicals) Teesside Ltd Location: Po Box 6, Terra Billingham Site, Belasis Avenue, BILLINGHAM, Cleveland, TS23 1LD Authority: Environment Agency, North East Region Permit Reference: BB6211 Dated: 22nd October 1998 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Located by supplier to within 10m</p>	A9NW (SE)	768	2	447010 522080

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
59	<p>Registered Radioactive Substances</p> <p>Name: Lucite International Uk Ltd Location: Methanol Plant, Billingham Site, Billingham, Cleveland, TS23 1LE Authority: Environment Agency, North East Region Permit Reference: Bs2062 Dated: 3rd July 2002 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)</p> <p>Description: Minor variation to authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	791	2	447420 522400
59	<p>Registered Radioactive Substances</p> <p>Name: Lucite International Uk Ltd Location: Methanol Plant, Billingham Site, Billingham, Cleveland, TS23 1LE Authority: Environment Agency, North East Region Permit Reference: Bh9361 Dated: 25th July 2000 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)</p> <p>Description: Authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	791	2	447420 522400
59	<p>Registered Radioactive Substances</p> <p>Name: Lucite International Uk Ltd Location: Cassel, Po Box 8, Billingham, Cleveland, TS23 1LE Authority: Environment Agency, North East Region Permit Reference: Bh9353 Dated: 25th July 2000 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1)</p> <p>Description: Discretionary registration under the Act of an open source which is also the subject of an authorisation Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned within the geographical locality</p>	A14SE (E)	791	2	447419 522399
60	<p>Registered Radioactive Substances</p> <p>Name: Blychem Ltd Location: Pavillion 3 Belasis Hall Technology Park, Belasis Avenue, Billingham, Cleveland, Ts23 1lg Authority: Environment Agency, North East Region Permit Reference: Bw4865 Dated: 1st December 2003 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)</p> <p>Description: Minor variation to authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned within the geographical locality</p>	A19SE (NE)	849	2	447391 523350
61	<p>Registered Radioactive Substances</p> <p>Name: Tracerco Limited Location: Pavillion 11 The Moat, Balasis Hall Technology Park, Billingham, Ts23 4ea Authority: Environment Agency, North East Region Permit Reference: CD3919 Dated: Not Supplied Process Type: Not Supplied Description: Not Supplied</p> <p>Status: Application has been determined by the EA Positional Accuracy: Located by supplier to within 100m</p>	A15NW (E)	881	2	447600 523000
61	<p>Registered Radioactive Substances</p> <p>Name: Tracerco Limited Location: Pavillion 11 The Moat, Balasis Hall Technology Park, Billingham, Ts23 4ea Authority: Environment Agency, North East Region Permit Reference: CD3820 Dated: Not Supplied Process Type: Not Supplied Description: Not Supplied</p> <p>Status: Application has been determined by the EA Positional Accuracy: Located by supplier to within 100m</p>	A15NW (E)	881	2	447600 523000
62	<p>Registered Radioactive Substances</p> <p>Name: Johnson Matthey Plc Location: Pavilion 10, The Moat, Belasis Technology Park, Billingham, STOCKTON-ON-TEES, TS23 4AZ Authority: Environment Agency, North East Region Permit Reference: Bz5272 Dated: 21st October 2005 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)</p> <p>Description: Authorisation under RSA Status: Authorisation either revoked or cancelled Positional Accuracy: Manually positioned to the address or location</p>	A19SE (NE)	902	2	447525 523250

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
62	<p>Registered Radioactive Substances</p> <p>Name: Johnson Matthey Plc Location: Pavilion 10, The Moat,Belasis Technology Park, Billingham, STOCKTON-ON-TEES, TS23 4AZ Authority: Environment Agency, North East Region Permit Reference: Bz5299 Dated: 21st October 2005 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Registration under the Act of an open source which is also the subject of an authorisation Status: Authorisation either revoked or cancelled Positional Accuracy: Manually positioned to the address or location</p>	A19SE (NE)	902	2	447525 523250
62	<p>Registered Radioactive Substances</p> <p>Name: Cambridge Research Biochemicals Ltd Location: Unit 10, Belasis Court, Belasis Hall Technology Park, BILLINGHAM, Cleveland, TS23 1 Authority: Environment Agency, North East Region Permit Reference: Bi0840 Dated: 31st May 2000 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Registration under the Act of an open source which is not the subject of an authorisation, or an application for an authorisation Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A19SE (NE)	905	2	447526 523255
63	<p>Registered Radioactive Substances</p> <p>Name: Johnson Matthey Plc Location: Pavilion 10, The Moat,Belasis Technology Park, Billingham, STOCKTON-ON-TEES, TS23 4AZ Authority: Environment Agency, North East Region Permit Reference: CC6564 Dated: Not Supplied Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Minor variation to a registration under the Act of an open source which is also the subject of an authorisation Status: Application has met the requirements for authorisation (but not yet authorised) Positional Accuracy: Manually positioned to the road within the address or location</p>	A20SW (E)	920	2	447590 523157
63	<p>Registered Radioactive Substances</p> <p>Name: Johnson Matthey Plc Location: Pavilion 10, The Moat,Belasis Technology Park, Billingham, STOCKTON-ON-TEES, TS23 4AZ Authority: Environment Agency, North East Region Permit Reference: CC6572 Dated: Not Supplied Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA Status: Application has met the requirements for authorisation (but not yet authorised) Positional Accuracy: Manually positioned to the road within the address or location</p>	A20SW (E)	920	2	447590 523157
64	<p>Registered Radioactive Substances</p> <p>Name: Johnson Matthey Plc Location: Tracerco, Pavillion 11,Coxwold Way,Belasis Hall Technology Park, BILLINGHAM, Cleveland, TS23 4AE Authority: Environment Agency, North East Region Permit Reference: CC6556 Dated: Not Supplied Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Minor variation to a registration under the Act of an open source which is also the subject of an authorisation Status: Application has met the requirements for authorisation (but not yet authorised) Positional Accuracy: Manually positioned to the road within the address or location</p>	A20SW (E)	925	2	447591 523169

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
64	<p>Registered Radioactive Substances</p> <p>Name: Johnson Matthey Plc Location: Tracerco, Pavillion 11, Coxwold Way, Belasis Hall Technology Park, Billingham, Cleveland, TS23 4AE Authority: Environment Agency, North East Region Permit Reference: CB0439 Dated: 22nd March 2007 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Initial variation to an authorisation under RSA Status: Authorisation either revoked or cancelled Positional Accuracy: Manually positioned to the road within the address or location</p>	A20SW (NE)	946	2	447591 523218
65	<p>Registered Radioactive Substances</p> <p>Name: Tracerco Limited Location: Pavillion 10 The Moat, Balasis Hall Technology Park, Billingham, Ts23 4ea Authority: Environment Agency, North East Region Permit Reference: CD1029 Dated: Not Supplied Process Type: Not Supplied Description: Not Supplied Status: Application has been determined by the EA Positional Accuracy: Located by supplier to within 100m</p>	A20SW (NE)	946	2	447600 523200
65	<p>Registered Radioactive Substances</p> <p>Name: Tracerco Limited Location: Pavillion 10 The Moat, Balasis Hall Technology Park, Billingham, Ts23 4ea Authority: Environment Agency, North East Region Permit Reference: CD3889 Dated: Not Supplied Process Type: Not Supplied Description: Not Supplied Status: Application has been determined by the EA Positional Accuracy: Located by supplier to within 100m</p>	A20SW (NE)	946	2	447600 523200
65	<p>Registered Radioactive Substances</p> <p>Name: Johnson Matthey Plc Location: Tracerco, Pavillion 11, Belasis Hall Technology Park, Belasis Avenue, Billingham, Cleveland, TS23 4AZ Authority: Environment Agency, North East Region Permit Reference: Bz7534 Dated: 24th March 2006 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A20SW (E)	992	2	447648 523205
65	<p>Registered Radioactive Substances</p> <p>Name: Johnson Matthey Plc Location: Tracerco, Pavillion 11, Belasis Hall Technology Park, Belasis Avenue, Billingham, Cleveland, TS23 4AZ Authority: Environment Agency, North East Region Permit Reference: Bw5098 Dated: 1st December 2003 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A20SW (E)	992	2	447648 523205
65	<p>Registered Radioactive Substances</p> <p>Name: Johnson Matthey Plc Location: Tracerco, Pavillion 11, Belasis Hall Technology Park, Belasis Avenue, BILLINGHAM, Cleveland, TS23 4AZ Authority: Environment Agency, North East Region Permit Reference: Bt9127 Dated: 11th February 2003 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Registration under the Act of an open source which is also the subject of an authorisation Status: Authorisation either revoked or cancelled Positional Accuracy: Manually positioned to the address or location</p>	A20SW (E)	992	2	447648 523205

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
65	<p>Registered Radioactive Substances</p> <p>Name: Johnson Matthey Plc Location: Tracerco, Pavillion 11, Belasis Hall Technology Park, Belasis Avenue, BILLINGHAM, Cleveland, TS23 4AZ Authority: Environment Agency, North East Region Permit Reference: Bt8902 Dated: 11th February 2003 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A20SW (E)	992	2	447648 523205
65	<p>Registered Radioactive Substances</p> <p>Name: Imperial Chemical Industries Plc Location: Tracerco, Pavillion 11, Belasis Hall Technology Park, Belasis Avenue, BILLINGHAM, Cleveland, TS23 4AZ Authority: Environment Agency, North East Region Permit Reference: BG8777 Dated: 5th November 1999 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA Status: Authorisation either revoked or cancelled Positional Accuracy: Manually positioned to the address or location</p>	A20SW (E)	992	2	447648 523205
65	<p>Registered Radioactive Substances</p> <p>Name: Imperial Chemical Industries Plc Location: Tracerco, Pavillion 11, Belasis Hall Technology Park, Belasis Avenue, Billingham, Cleveland, TS23 4AZ Authority: Environment Agency, North East Region Permit Reference: AN9263 Dated: 31st March 1991 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA Status: Authorisation either revoked or cancelled Positional Accuracy: Manually positioned to the address or location</p>	A20SW (E)	992	2	447648 523205
65	<p>Registered Radioactive Substances</p> <p>Name: Imperial Chemical Industries Plc Location: Belasis Hall Technology Park, Belasis Avenue, BILLINGHAM, Cleveland, TS23 4AZ Authority: Environment Agency, North East Region Permit Reference: AC1130 Dated: 31st March 1991 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA Status: Authorisation either revoked or cancelled Positional Accuracy: Manually positioned to the address or location</p>	A20SW (E)	994	2	447651 523203
66	<p>Registered Radioactive Substances</p> <p>Name: Avecia Ltd Location: Po Box 2, Belasis Avenue, Billingham, Cleveland, Ts23 1yn Authority: Environment Agency, North East Region Permit Reference: Bw4849 Dated: 1st December 2003 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA Status: Authorisation either revoked or cancelled Positional Accuracy: Manually positioned to the road within the address or location</p>	A15NW (E)	966	2	447695 522956
67	<p>Registered Radioactive Substances</p> <p>Name: Blychem Ltd Location: Pavillion 3, Belasis Hall Technology Park, Belasis Avenue, BILLINGHAM, Cleveland, TS23 4HN Authority: Environment Agency, North East Region Permit Reference: AW6642 Dated: 3rd April 1997 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Unknown</p>	A20SW (E)	977	2	447658 523141

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Kp Snacks Ltd Licence Number: 1/25/04/142 Permit Version: 101 Location: Borehole - Sherwood Sandstone Authority: Environment Agency, North East Region Abstraction: Food And Drink: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At United Biscuits Factory, Billingham Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 20th January 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A24NE (NE)	1502	2	447500 524100
	Water Abstractions Operator: United Biscuits (Foods)Ltd Licence Number: 1/25/04/142 Permit Version: 100 Location: Borehole - Sherwood Sandstone Authority: Environment Agency, North East Region Abstraction: Food And Drink: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 153 Yearly Rate (m3): 28640 Details: Land At United Biscuits Factory, Billingham Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 16th August 1982 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A24NE (NE)	1502	2	447500 524100
	Water Abstractions Operator: Suez Recycling And Recovery Tees Valley Ltd Licence Number: 1/25/04/161 Permit Version: 103 Location: River Tees - Tidal Section - Billingham Authority: Environment Agency, North East Region Abstraction: Refuse and Recycling: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Tidal Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Teesside Energy From Waste Plant, Haverton Hill Road, Billingham, Cleveland Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 5th July 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A10SE (SE)	1606	2	448080 521920
	Water Abstractions Operator: Sita Tees Valley Ltd Licence Number: 1/25/04/161 Permit Version: 102 Location: River Tees - Tidal Section - Billingham Authority: Environment Agency, North East Region Abstraction: Refuse and Recycling: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Tidal Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Teesside Energy From Waste Plant, Haverton Hill Road, Billingham, Cleveland Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th January 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A10SE (SE)	1606	2	448080 521920

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: S I T A Holding Uk Ltd Licence Number: 1/25/04/161 Permit Version: 101 Location: River Tees (Tidal Section) - Billingham Authority: Environment Agency, North East Region Abstraction: Refuse and Recycling: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Tidal Daily Rate (m3): 96000 Yearly Rate (m3): 35136 Details: Teesside Energy From Waste Plant, Haverton Hill Road, Billingham, Cleveland Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 22nd June 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A10SE (SE)	1606	2	448080 521920
	Water Abstractions Operator: Billingham Golf Club Ltd Licence Number: 1/25/04/109 Permit Version: 100 Location: Tributary Of Thorpe Beck - Drainage Ditch Authority: Environment Agency, North East Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 180 Yearly Rate (m3): 15000 Details: Land At Billingham Golf Club Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 16th March 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(NW)	1878	2	444700 523600
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Mixed Dilution: <300 mm/year Baseflow Index: 40-70% Superficial: >90% Patchiness: Superficial >10m Thickness: Superficial Low Recharge:	A13NE (E)	0	4	446579 522766
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Mixed Dilution: <300 mm/year Baseflow Index: 40-70% Superficial: >90% Patchiness: Superficial >10m Thickness: Superficial Low Recharge:	A13NW (NE)	0	4	446542 522752
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13NW (NE)	0	4	446542 522752
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NE (E)	0	4	446579 522766

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	A13NW (NE)	0	4	446542 522752
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
68	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 78.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A19SE (NE)	805	5	447422 523233
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 58.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A19SE (NE)	848	5	447489 523203
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 167.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A19SE (NE)	889	5	447544 523185
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 98.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A19SE (NE)	890	5	447543 523190
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 187.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A11SE (W)	922	5	445480 522562
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 318.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Billingham Beck Catchment Name: Tees Primacy: 1	A11SE (W)	926	5	445500 522418
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A11SE (W)	937	5	445463 522628

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 75.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A11SE (W)	937	5	445463 522626
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 213.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Billingham Beck Catchment Name: Tees Primacy: 1	A11SE (W)	937	5	445483 522442
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A11SE (W)	938	5	445461 522635
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 70.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A11SE (W)	939	5	445461 522639
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A11SE (W)	962	5	445437 522706
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A11SE (W)	962	5	445437 522706
81	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 96.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A6NE (SW)	972	5	445499 522268
82	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 8.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A11SE (W)	981	5	445418 522686
83	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: Tees Primacy: 1	A6NE (SW)	984	5	445527 522176

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 64.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A11SE (W)	986	5	445413 522682
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 629.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7SW (SW)	996	5	445862 521787

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
86	Historical Landfill Sites Licence Holder: ICI Chemicals and Polymers Limited Location: Billingham, Cleveland Name: Boundary of ICI Billingham Works and Roscoe Road Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL05649 First Input Date: 15th September 1991 Last Input Date: 22nd December 1992 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 0700/0135 BGS Ref: Not Supplied Other Ref: 0700/CLE/238	A8NW (S)	433	2	446464 522199
87	Historical Landfill Sites Licence Holder: Stephenson Excavations Limited Location: Stephenson Tip, Billingham, Cleveland Name: West of Billingham Motors Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL05498 First Input Date: 1st April 1978 Last Input Date: 7th January 1991 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 0700/0073 BGS Ref: Not Supplied Other Ref: CLE/R26, 0700/CLE/063, 0700/0185	A11NE (W)	955	2	445454 522840
88	Integrated Pollution Control Registered Waste Sites Name: S.I.T.A. Holding Uk Ltd Location: Site B, Ici Process Park, BILLINGHAM, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: Bi6651 Dated: 6th June 2000 Process Type: IPC minor (non-substantial) variation to previous variation Description: 5.1 A (A) Incineration within the Waste Disposal Industry Status: Application has met the requirements for authorisation (but not yet authorised) Positional Accuracy: Manually positioned within the geographical locality	A13SE (E)	84	2	446720 522700
88	Integrated Pollution Control Registered Waste Sites Name: Sita Tees Valley Ltd Location: Site B, Ici Process Park, BILLINGHAM, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: Bi1773 Dated: 13th April 2000 Process Type: IPC minor (non-substantial) variation to previous variation Description: 5.1 A (A) Incineration within the Waste Disposal Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned within the geographical locality	A13SE (E)	84	2	446720 522700
88	Integrated Pollution Control Registered Waste Sites Name: Sita Tees Valley Ltd Location: Site B, Ici Process Park, BILLINGHAM, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: BE5106 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 5.1 A (A) Incineration within the Waste Disposal Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned within the geographical locality	A13SE (E)	90	2	446725 522695
89	Integrated Pollution Control Registered Waste Sites Name: Ascot Chemicals Ltd Location: Haltermann, ICI Billingham Process Plant Park, Road 11, P O Box 1, BILLINGHAM, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: AU0970 Dated: 23rd November 1995 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: Manually positioned to the address or location	A13SE (SE)	205	2	446757 522583

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
89	Integrated Pollution Control Registered Waste Sites Name: Ascot Chemicals Ltd Location: Haltermann, ICI Billingham Process Plant Park, Road 11, P O Box 1, BILLINGHAM, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: AR7343 Dated: 14th September 1995 Process Type: IPC new application Description: 5.2 A (A) Recovery processes within the Waste Disposal Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	207	2	446762 522583
89	Integrated Pollution Control Registered Waste Sites Name: Ascot Chemicals Ltd Location: Haltermann, ICI Billingham Process Plant Park, Road 11, P O Box 1, BILLINGHAM, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: BB4766 Dated: 7th June 1999 Process Type: IPC minor (non-substantial) variation to previous variation Description: 5.2 A (A) Recovery processes within the Waste Disposal Industry Status: Revoked - Now IPPC Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	209	2	446767 522583
89	Integrated Pollution Control Registered Waste Sites Name: Ascot Chemicals Ltd Location: Haltermann, ICI Billingham Process Plant Park, Road 11, P O Box 1, BILLINGHAM, Cleveland, TS23 1LB Authority: Environment Agency, North East Region Permit Reference: BE6765 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: Manually positioned to the address or location	A13SE (SE)	211	2	446752 522573
90	Licensed Waste Management Facilities (Locations) Licence Number: 403900 Location: Snf Oil And Gas, Belasis Avenue, Billingham, Cleveland, TS23 1QY Operator Name: S N F Oil And Gas Ltd Operator Location: Not Supplied Authority: Environment Agency - North East Region, North East Area Site Category: Use of waste in a deposit for recovery op Licence Status: Issued Issued: 6th July 2017 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	A14SE (E)	532	2	447264 522710
	Local Authority Landfill Coverage Name: Stockton On Tees Unitary Council - Has supplied landfill data		0	3	446542 522752
91	Registered Landfill Sites Licence Holder: I.C.I. Chemicals & Polymers Ltd Licence Reference: CLE 238 Site Location: Roscoe Road / West Gate / New Road, Billingham, Cleveland Licence Easting: 446390 Licence Northing: 522000 Operator Location: PO Box 90, Wilton, MIDDLESBROUGH, Cleveland, TS6 8JE Authority: Environment Agency - North East Region, Dales 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 surrenderedSurrendered Dated: 9th September 1991 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: Clean Brick & Concrete Rubble Uncontam. Soils & Clays Prohibited Waste: Poisonous, Noxious Wastes Special Wastes Waste N.O.S.	A8SW (S)	628	2	446390 522000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
92	Registered Waste Transfer Sites Licence Holder: I.C.I. Ltd Agricultural Div Licence Reference: CLE 26 Site Location: Ici Agricultural Division, Road 2, Billingham, Cleveland Operator Location: PO Box 1, BILLINGHAM, Cleveland, TS23 1LB Authority: Environment Agency - North East Region, Dales Area Site Category: Transfer 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: Licence Status: Licence known to be surrenderedSurrendered Dated: 27th May 1977 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Approximate location provided by supplier Boundary Quality: Not Supplied Authorised Waste: Waste Gypsum	A8SE (S)	754	2	446600 521900
93	Registered Waste Treatment or Disposal Sites Licence Holder: I.C.I. Ltd Licence Reference: CLE 19 Site Location: I.C.I. Factory, Billingham, Cleveland Operator Location: As Site Address Authority: Environment Agency - North East Region, Dales Area Site Category: Incineration Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Licence known to be surrenderedSurrendered Dated: 1st April 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: Commercial Waste Medical Wastes	A14SE (E)	767	2	447500 522700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
94	Control of Major Accident Hazards Sites (COMAH) Name: Air Products (Chemicals) Teeside Ltd Location: P O Box 6, Belasis Avenue, BILLINGHAM, Cleveland, TS23 1 Reference: Not Supplied Type: Upper Tier Status: Record Ceased To Be Supplied Under COMAH Regulations Positional Accuracy: Manually positioned to the road within the address or location	A13SW (SW)	11	6	446448 522639
95	Control of Major Accident Hazards Sites (COMAH) Name: Snf Oil And Gas Limited Location: Billingham, Belasis Avenue, Billingham, Cleveland, Ts23 1jg Reference: Not Supplied Type: Upper Tier Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A13NE (E)	14	6	446678 522757
96	Control of Major Accident Hazards Sites (COMAH) Name: Chemoxy International Limited Location: Billingham Process Park, Belasis Avenue, Billingham, Cleveland, TS23 1LB Reference: Not Supplied Type: Upper Tier Status: Active Positional Accuracy: Manually positioned within the geographical locality	A13SE (SE)	160	6	446754 522632
96	Control of Major Accident Hazards Sites (COMAH) Name: Imperial Chemical Industries (ICI) PLC Location: P O Box 8, BILLINGHAM, Cleveland, TS23 1LE Reference: Not Supplied Type: Upper Tier Status: Record Ceased To Be Supplied Under COMAH Regulations Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	178	6	446756 522613
96	Control of Major Accident Hazards Sites (COMAH) Name: Ici (C And P) Ltd Location: PO Box 1, Hatherton Road, BILLINGHAM, Cleveland, TS23 1LB Reference: Not Supplied Type: Upper Tier Status: Record Ceased To Be Supplied Under COMAH Regulations Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	178	6	446756 522613
96	Control of Major Accident Hazards Sites (COMAH) Name: ICI Chemicals And Polymers Ltd Location: BILLINGHAM, Cleveland, TS23 1LB Reference: Not Supplied Type: Upper Tier Status: Record Ceased To Be Supplied Under COMAH Regulations Positional Accuracy: Manually positioned within the geographical locality	A13SE (SE)	192	6	446759 522598
97	Control of Major Accident Hazards Sites (COMAH) Name: Air Products (Chemicals) Teesside Ltd Location: PO Box 6, Belasis Avenue, Stockton-on-Tees, Cleveland, TS23 1XX Reference: 8168 Type: Upper Tier Status: Record Ceased To Be Supplied Under COMAH Regulations Positional Accuracy: Manually positioned to the road within the address or location	A13NE (E)	160	6	446888 522866
98	Control of Major Accident Hazards Sites (COMAH) Name: Air Products (Chemicals) Teeside Limited Location: P O Box 8, BILLINGHAM, Teeside, TS23 1LE Reference: Not Supplied Type: Upper Tier Status: Record Ceased To Be Supplied Under COMAH Regulations Positional Accuracy: Manually positioned to the road within the address or location	A12SE (W)	482	6	445929 522534
99	Control of Major Accident Hazards Sites (COMAH) Name: Lucite International Uk Limited Location: Cassel Works Billingham, Cassel Works, New Road, Billingham, Stockton on Tees, TS23 1LE Reference: Not Supplied Type: Upper Tier Status: Active Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	680	6	446941 522143
100	Notification of Installations Handling Hazardous Substances (NIHHS) Name: Ici Chemicals & Polymers Ltd Location: P O Box 8, BILLINGHAM, Cleveland, TS23 1LE Status: Not Active Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	182	6	446756 522608
100	Notification of Installations Handling Hazardous Substances (NIHHS) Name: Imperial Chemical Industries (ICI) PLC Location: Oil Works, P O Box 1, BILLINGHAM, Cleveland, TS23 1LB Status: Not Active Positional Accuracy: Manually positioned within the geographical locality	A13SE (SE)	191	6	446767 522603

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
101	Notification of Installations Handling Hazardous Substances (NIHHS) Name: Air Products (Chemicals) Teeside Ltd Location: Po Box 8, Billingham, Ts23 1le Status: Not Active Positional Accuracy: Manually positioned to the address or location	A9SW (SE)	852	6	446960 521958
102	Planning Hazardous Substance Consents Name: Methanex Uk Ltd Location: Ici Billingham Site, Billingham Authority: Stockton-on-Tees Borough Council Application Ref: 01/0398/H Hazardous Substance: Unknown at time of report Maximum Quantity: 0 Application date: 5th April 2001 Decision: Continuation of consent Positional Accuracy: Manually positioned to the address or location	A8NE (S)	320	7	446627 522384
102	Planning Hazardous Substance Consents Name: Lucite Location: Ici Billingham Site, Po Box 1, Billingham Authority: Stockton-on-Tees Borough Council Application Ref: 99/1659/H Hazardous Substance: Unknown at time of report Maximum Quantity: 0 Application date: 26th October 1999 Decision: Continuation of consent Positional Accuracy: Manually positioned within the geographical locality	A8NE (S)	320	7	446627 522384
102	Planning Hazardous Substance Consents Name: Ici Chemicals & Polymers Location: Ici Billingham Site, Billingham, Cleveland, . Authority: Stockton-on-Tees Borough Council Application Ref: 99/1534/H Hazardous Substance: Unknown at time of report Maximum Quantity: 0 Application date: 1st October 1999 Decision: Continuation of consent Positional Accuracy: Manually positioned to the address or location	A8NE (S)	320	7	446627 522384
102	Planning Hazardous Substance Consents Name: Ici Chemicals & Polymers Ltd Location: Billingham Site, BILLINGHAM, Cleveland, TS23 1LD Authority: Stockton-on-Tees Borough Council Application Ref: 98/0154/H Hazardous Substance: Flammable (flammable liquids with flash point $\geq 21C$ and $\leq 55C$ supporting combustion) Maximum Quantity: 484 Application date: 6th March 1998 Decision: Deemed Consent Granted Positional Accuracy: Manually positioned to the address or location	A8NE (S)	320	7	446627 522384
102	Planning Hazardous Substance Consents Name: Ici Chemicals & Polymers Ltd Location: Billingham Site, BILLINGHAM, Cleveland, TS23 1LD Authority: Stockton-on-Tees Borough Council Application Ref: 98/0154/H Hazardous Substance: Part A, Toxic Substance, Ammonia (anhydrous or as solution containing > 50% by weight of ammonia), where amount held is greater than or equal to 100t Maximum Quantity: 366 Application date: 28th January 1998 Decision: Continuation of consent Positional Accuracy: Manually positioned to the address or location	A8NE (S)	320	7	446627 522384
102	Planning Hazardous Substance Consents Name: Ici Chemicals & Polymers Ltd Location: Billingham Site, BILLINGHAM, Cleveland, TS23 1LD Authority: Stockton-on-Tees Borough Council Application Ref: 98/0154/H Hazardous Substance: Hydrogen Maximum Quantity: 25 Application date: 28th January 1998 Decision: Continuation of consent Positional Accuracy: Manually positioned to the address or location	A8NE (S)	320	7	446627 522384

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
102	<p>Planning Hazardous Substance Consents</p> <p>Name: Ici Chemicals & Polymers Ltd Location: Billingham Site, BILLINGHAM, Cleveland, TS23 1LD Authority: Stockton-on-Tees Borough Council Application Ref: 98/0154/H Hazardous Substance: Part C, Flammable Substance (Not in Parts A&B), Gas or gases flammable in air, when held as a gas, where amount held is >= 15tonnes Maximum Quantity: 116 Application date: 28th January 1998 Decision: Continuation of consent Positional Accuracy: Manually positioned to the address or location</p>	A8NE (S)	320	7	446627 522384
102	<p>Planning Hazardous Substance Consents</p> <p>Name: Ici Chemicals & Polymers Ltd Location: Billingham Site, BILLINGHAM, Cleveland, TS23 1LD Authority: Stockton-on-Tees Borough Council Application Ref: 98/0154/H Hazardous Substance: Highly flammable (highly flammable liquids which have a flash point <21C and which are not extremely flammable) Maximum Quantity: 172696 Application date: 28th January 1998 Decision: Continuation of consent Positional Accuracy: Manually positioned to the address or location</p>	A8NE (S)	320	7	446627 522384
102	<p>Planning Hazardous Substance Consents</p> <p>Name: Lucite Location: Billingham Site, BILLINGHAM, Cleveland, TS23 1LD Authority: Stockton-on-Tees Borough Council Application Ref: 97/2201/H Hazardous Substance: Ammonium nitrate and ammonium nitrate compounds (where nitrogen content is more than 28% by weight) or aqueous ammonium nitrate solutions (where concentration of ammonium nitrate is more than 90% by weight) Maximum Quantity: 1000 Application date: 29th December 1997 Decision: Continuation of consent Positional Accuracy: Manually positioned to the address or location</p>	A8NE (S)	320	7	446627 522384
102	<p>Planning Hazardous Substance Consents</p> <p>Name: Lucite Location: Billingham Site, BILLINGHAM, Cleveland, TS23 1LD Authority: Stockton-on-Tees Borough Council Application Ref: 97/2201/H Hazardous Substance: Hydrogen Maximum Quantity: 25 Application date: 29th December 1997 Decision: Continuation of consent Positional Accuracy: Manually positioned to the address or location</p>	A8NE (S)	320	7	446627 522384
102	<p>Planning Hazardous Substance Consents</p> <p>Name: Lucite Location: Billingham Site, BILLINGHAM, Cleveland, TS23 1LD Authority: Stockton-on-Tees Borough Council Application Ref: 97/2201/H Hazardous Substance: Liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not) Maximum Quantity: 15 Application date: 29th December 1997 Decision: Continuation of consent Positional Accuracy: Manually positioned to the address or location</p>	A8NE (S)	320	7	446627 522384
102	<p>Planning Hazardous Substance Consents</p> <p>Name: Lucite Location: Billingham Site, BILLINGHAM, Cleveland, TS23 1LD Authority: Stockton-on-Tees Borough Council Application Ref: 97/2201/H Hazardous Substance: Part C, Flammable Substance (Not in Parts A&B), Gas or gases flammable in air, when held as a gas, where amount held is >= 15tonnes Maximum Quantity: 116 Application date: 29th December 1997 Decision: Continuation of consent Positional Accuracy: Manually positioned to the address or location</p>	A8NE (S)	320	7	446627 522384
102	<p>Planning Hazardous Substance Consents</p> <p>Name: Lucite Location: Billingham Site, BILLINGHAM, Cleveland, TS23 1LD Authority: Stockton-on-Tees Borough Council Application Ref: 97/2201/H Hazardous Substance: Sulphur trioxide Maximum Quantity: 1504 Application date: 29th December 1997 Decision: Continuation of consent Positional Accuracy: Manually positioned to the address or location</p>	A8NE (S)	320	7	446627 522384

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
102	Planning Hazardous Substance Consents Name: Terra Location: ICI Billingham Site, Billingham, . Authority: Stockton-on-Tees Borough Council Application Ref: 95/1848/H Hazardous Substance: Unknown at time of report Maximum Quantity: 8000 Application date: 8th November 1995 Decision: Deemed Consent Granted Positional Accuracy: Manually positioned to the address or location	A8NE (S)	320	7	446627 522384
102	Planning Hazardous Substance Consents Name: ICI Chemicals Location: ICI Billingham Site, Billingham, Cleveland, . Authority: Stockton-on-Tees Borough Council Application Ref: 92/2269/H Hazardous Substance: Unknown at time of report Maximum Quantity: 0 Application date: 25th November 1992 Decision: New application granted conditionally Positional Accuracy: Manually positioned to the address or location	A8NE (S)	320	7	446627 522384
102	Planning Hazardous Substance Consents Name: ICI Billingham Location: ICI Billingham Site, Billingham, Cleveland, . Authority: Stockton-on-Tees Borough Council Application Ref: 92/2209/H Hazardous Substance: Combination of Dangerous Substances Maximum Quantity: 187198 Application date: 13th November 1992 Decision: Deemed Consent Granted Positional Accuracy: Manually positioned to the address or location	A8NE (S)	320	7	446627 522384
102	Planning Hazardous Substance Consents Name: ICI Chemicals Location: ICI Billingham Site, Billingham, Cleveland, . Authority: Stockton-on-Tees Borough Council Application Ref: 92/2269/H Hazardous Substance: Part B, Highly Reactive and Explosive Substance, Ammonium nitrate in aqueous solutions, where amount held is greater than or equal to 500 tonnes Maximum Quantity: 31200 Application date: Not Supplied Decision: Decision to remove or modify condition(s) Positional Accuracy: Manually positioned to the address or location	A8NE (S)	320	7	446627 522384
102	Planning Hazardous Substance Consents Name: ICI Chemicals Location: ICI Billingham Site, Billingham, Cleveland, . Authority: Stockton-on-Tees Borough Council Application Ref: 92/2269/H Hazardous Substance: Part A, Toxic Substance, Hydrogen cyanide, where amount held is greater than or equal to 20 tonnes Maximum Quantity: 234 Application date: Not Supplied Decision: Decision to remove or modify condition(s) Positional Accuracy: Manually positioned to the address or location	A8NE (S)	320	7	446627 522384
103	Planning Hazardous Substance Consents Name: Nicholson Transport Location: Westgate Warehouse, ICI Billingham Site, Belasis Avenue, Billingham Authority: Stockton-on-Tees Borough Council Application Ref: 01/1087 Hazardous Substance: Unknown at time of report Maximum Quantity: 400 Application date: 25th June 2001 Decision: Withdrawn Positional Accuracy: Manually positioned to the road within the address or location	A8NW (S)	330	7	446479 522307
104	Planning Hazardous Substance Consents Name: ICI Chemicals & Polymers Ltd Location: Billingham Site, BILLINGHAM, Cleveland, TS23 1LD Authority: Stockton-on-Tees Borough Council Application Ref: 98/0154/H Hazardous Substance: Part B, Highly Reactive and Explosive Substance, Ethylene oxide, where amount held is greater than or equal to 5 tonnes Maximum Quantity: 0 Application date: 6th March 1998 Decision: Deemed Consent Granted Positional Accuracy: Manually positioned to the address or location	A8NE (SE)	443	7	446846 522360

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
105	<p>Planning Hazardous Substance Consents</p> <p>Name: Snf Oil And Gas Limited Location: Land Part Of I C I Complex Known As The 40 Acre Site, Belasis Avenue, Billingham Authority: Stockton-on-Tees Borough Council Application Ref: 12/2124/HAZ Hazardous: Combination of Dangerous Substances Substance: Maximum Quantity: 5874 Application date: 4th September 2012 Decision: New application granted conditionallyGranted Positional Accuracy: Manually positioned to the address or location</p>	A14NE (E)	542	7	447279 522742
106	<p>Planning Hazardous Substance Consents</p> <p>Name: Haltermann Ltd Location: Road 11, Billingham Process Park, Haverton Hill Road, Stockton Authority: Stockton-on-Tees Borough Council Application Ref: 05/3384/Haz Hazardous: Combination of Dangerous Substances Substance: Maximum Quantity: 4695 Application date: 8th December 2005 Decision: Deemed Consent GrantedGranted Positional Accuracy: Manually positioned to the address or location</p>	A9SW (SE)	881	7	447070 521983
106	<p>Planning Hazardous Substance Consents</p> <p>Name: Haltermann Ltd Location: Haverton Hill Road, Billingham, Ts23 1lb Authority: Stockton-on-Tees Borough Council Application Ref: 10/0203/HAZ Hazardous: Formaldehyde (concentration >= 90%) Substance: Maximum Quantity: 50 Application date: 2nd February 2010 Decision: New application granted conditionallyGranted Positional Accuracy: Manually positioned to the address or location</p>	A9SW (SE)	912	7	447086 521957
107	<p>Planning Hazardous Substance Consents</p> <p>Name: Creative Hydrocarbons Location: Chc1 Methanol Plant, Billingham Site, Billingham Authority: Stockton-on-Tees Borough Council Application Ref: 04/0123/Haz Hazardous: Combination of Dangerous Substances Substance: Maximum Quantity: Not Supplied Application date: 14th January 2004 Decision: Unknown at time of reportUnknown Positional Accuracy: Manually positioned to the address or location</p>	A9NE (SE)	958	7	447533 522267

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Triassic Rocks (Undifferentiated)	A13NW (NE)	0	1	446542 522752
108	BGS Recorded Mineral Sites Site Name: Clarence Brick Works Location: Billingham, Co Durham Source: British Geological Survey, National Geoscience Information Service Reference: 123957 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciolacustrine Deposits, Devensian Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A18SW (NW)	403	1	446235 523189
109	BGS Recorded Mineral Sites Site Name: Clarence Brick Works Location: Billingham, Co Durham Source: British Geological Survey, National Geoscience Information Service Reference: 123955 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciolacustrine Deposits, Devensian Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	412	1	446789 523214
110	BGS Recorded Mineral Sites Site Name: Clarence Brick Works Location: Billingham, Co Durham Source: British Geological Survey, National Geoscience Information Service Reference: 123956 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciolacustrine Deposits, Devensian Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A18SW (N)	473	1	446354 523296
111	BGS Recorded Mineral Sites Site Name: Billingham Junction Brick Field Location: Billingham, Co Durham Source: British Geological Survey, National Geoscience Information Service Reference: 123938 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciolacustrine Deposits, Devensian Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	524	1	446059 523214
112	BGS Recorded Mineral Sites Site Name: Billingham Sand Pit Location: Billingham, Co Durham Source: British Geological Survey, National Geoscience Information Service Reference: 123960 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciolacustrine Deposits, Devensian Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A12SW (W)	746	1	445662 522530

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
113	BGS Recorded Mineral Sites Site Name: Billingham Clay Pit Location: Billingham, Co Durham Source: British Geological Survey, National Geoscience Information Service Reference: 123961 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciolacustrine Deposits, Devensian Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A12SW (W)	861	1	445559 522450
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Mining Instability Mining Evidence: Conclusive Evaporites Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NW (NE)	0	-	446542 522752
	Man-Made Mining Cavities Easting: 446500 Northing: 522800 Distance: 0 Quadrant Reference: A13 Quadrant Reference: NW Bearing Ref: NW Cavity Type: PILLAR & STALL ANHYDRITE MINE-KNOWN MINED GROUND Commodity: Anhydrite Solid Geology Detail: SHERWOOD SANDSTONE GROUP ESKDALE GROUP STAINTONDALE GROUP TEESIDE GROUP Superficial Geology LAMINATED CLAY Detail:	A13NW (NW)	0	8	446500 522800
	Man-Made Mining Cavities Easting: 446400 Northing: 522700 Distance: 1 Quadrant Reference: A13 Quadrant Reference: SW Bearing Ref: W Cavity Type: PILLAR & STALL ANHYDRITE MINE-KNOWN MINED GROUND Commodity: Anhydrite Solid Geology Detail: SHERWOOD SANDSTONE GROUP ESKDALE GROUP STAINTONDALE GROUP TEESIDE GROUP Superficial Geology LAMINATED CLAY Detail:	A13SW (W)	1	8	446400 522700
	Man-Made Mining Cavities Easting: 446300 Northing: 522600 Distance: 106 Quadrant Reference: A13 Quadrant Reference: SW Bearing Ref: SW Cavity Type: PILLAR & STALL ANHYDRITE MINE-KNOWN MINED GROUND Commodity: Anhydrite Solid Geology Detail: SHERWOOD SANDSTONE GROUP ESKDALE GROUP STAINTONDALE GROUP TEESIDE GROUP Superficial Geology GLACIAL LAKE SAND LAMINATED CLAY Detail:	A13SW (SW)	106	8	446300 522600
	Man-Made Mining Cavities Easting: 446400 Northing: 523000 Distance: 174 Quadrant Reference: A13 Quadrant Reference: NW Bearing Ref: NW Cavity Type: PILLAR & STALL ANHYDRITE MINE-KNOWN MINED GROUND Commodity: Anhydrite Solid Geology Detail: SHERWOOD SANDSTONE GROUP ESKDALE GROUP STAINTONDALE GROUP TEESIDE GROUP Superficial Geology LAMINATED CLAY Detail:	A13NW (NW)	174	8	446400 523000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Man-Made Mining Cavities Easting: 446300 Northing: 522400 Distance: 249 Quadrant Reference: A13 Quadrant Reference: SW Bearing Ref: SW Cavity Type: PILLAR & STALL ANHYDRITE MINE-KNOWN MINED GROUND Commodity: Anhydrite Solid Geology Detail: SHERWOOD SANDSTONE GROUP ESKDALE GROUP STAINTONDALE GROUP TEESIDE GROUP Superficial Geology Detail: GLACIAL LAKE SAND LAMINATED CLAY	A13SW (SW)	249	8	446300 522400
	Man-Made Mining Cavities Easting: 446600 Northing: 523100 Distance: 286 Quadrant Reference: A18 Quadrant Reference: SE Bearing Ref: N Cavity Type: PILLAR & STALL ANHYDRITE MINE-KNOWN MINED GROUND Commodity: Anhydrite Solid Geology Detail: SHERWOOD SANDSTONE GROUP ESKDALE GROUP STAINTONDALE GROUP TEESIDE GROUP Superficial Geology Detail: LAMINATED CLAY	A18SE (N)	286	8	446600 523100
	Man-Made Mining Cavities Easting: 446400 Northing: 522200 Distance: 428 Quadrant Reference: A8 Quadrant Reference: NW Bearing Ref: S Cavity Type: PILLAR & STALL ANHYDRITE MINE-KNOWN MINED GROUND Commodity: Anhydrite Solid Geology Detail: SHERWOOD SANDSTONE GROUP ESKDALE GROUP STAINTONDALE GROUP TEESIDE GROUP Superficial Geology Detail: LAMINATED CLAY	A8NW (S)	428	8	446400 522200
	Man-Made Mining Cavities Easting: 446200 Northing: 523200 Distance: 429 Quadrant Reference: A17 Quadrant Reference: SE Bearing Ref: NW Cavity Type: PILLAR & STALL ANHYDRITE MINE-KNOWN MINED GROUND Commodity: Anhydrite Solid Geology Detail: SHERWOOD SANDSTONE GROUP ESKDALE GROUP STAINTONDALE GROUP TEESIDE GROUP Superficial Geology Detail: LAMINATED CLAY	A17SE (NW)	429	8	446200 523200
	Man-Made Mining Cavities Easting: 446200 Northing: 522100 Distance: 565 Quadrant Reference: A7 Quadrant Reference: NE Bearing Ref: SW Cavity Type: PILLAR & STALL ANHYDRITE MINE-KNOWN MINED GROUND Commodity: Anhydrite Solid Geology Detail: SHERWOOD SANDSTONE GROUP ESKDALE GROUP STAINTONDALE GROUP TEESIDE GROUP Superficial Geology Detail: GLACIAL LAKE SAND LAMINATED CLAY	A7NE (SW)	565	8	446200 522100
	Man-Made Mining Cavities Easting: 446400 Northing: 523400 Distance: 574 Quadrant Reference: A18 Quadrant Reference: SW Bearing Ref: N Cavity Type: PILLAR & STALL ANHYDRITE MINE-KNOWN MINED GROUND Commodity: Anhydrite Solid Geology Detail: SHERWOOD SANDSTONE GROUP ESKDALE GROUP STAINTONDALE GROUP TEESIDE GROUP Superficial Geology Detail: LAMINATED CLAY	A18SW (N)	574	8	446400 523400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Man-Made Mining Cavities Easting: 446200 Northing: 523400 Distance: 612 Quadrant Reference: A17 Quadrant Reference: SE Bearing Ref: NW Cavity Type: PILLAR & STALL ANHYDRITE MINE-KNOWN MINED GROUND Commodity: Anhydrite Solid Geology Detail: SHERWOOD SANDSTONE GROUP ESKDALE GROUP STAINTONDALE GROUP TEESIDE GROUP Superficial Geology LAMINATED CLAY Detail:	A17SE (NW)	612	8	446200 523400
	Man-Made Mining Cavities Easting: 446200 Northing: 521900 Distance: 755 Quadrant Reference: A7 Quadrant Reference: SE Bearing Ref: S Cavity Type: PILLAR & STALL ANHYDRITE MINE-KNOWN MINED GROUND Commodity: Anhydrite Solid Geology Detail: SHERWOOD SANDSTONE GROUP ESKDALE GROUP STAINTONDALE GROUP TEESIDE GROUP Superficial Geology GLACIAL LAKE SAND LAMINATED CLAY Detail:	A7SE (S)	755	8	446200 521900
	Man-Made Mining Cavities Easting: 446500 Northing: 521800 Distance: 833 Quadrant Reference: A8 Quadrant Reference: SW Bearing Ref: S Cavity Type: PILLAR & STALL ANHYDRITE MINE-KNOWN MINED GROUND Commodity: Anhydrite Solid Geology Detail: SHERWOOD SANDSTONE GROUP ESKDALE GROUP STAINTONDALE GROUP TEESIDE GROUP Superficial Geology GLACIAL LAKE SAND LAMINATED CLAY Detail:	A8SW (S)	833	8	446500 521800
	Man-Made Mining Cavities Easting: 446400 Northing: 523700 Distance: 874 Quadrant Reference: A18 Quadrant Reference: NW Bearing Ref: N Cavity Type: PILLAR & STALL ANHYDRITE MINE-KNOWN MINED GROUND Commodity: Anhydrite Solid Geology Detail: SHERWOOD SANDSTONE GROUP ESKDALE GROUP STAINTONDALE GROUP TEESIDE GROUP Superficial Geology LAMINATED CLAY Detail:	A18NW (N)	874	8	446400 523700
	Man-Made Mining Cavities Easting: 446300 Northing: 521700 Distance: 933 Quadrant Reference: A3 Quadrant Reference: NW Bearing Ref: S Cavity Type: PILLAR & STALL ANHYDRITE MINE-KNOWN MINED GROUND Commodity: Anhydrite Solid Geology Detail: SHERWOOD SANDSTONE GROUP ESKDALE GROUP STAINTONDALE GROUP TEESIDE GROUP Superficial Geology LAMINATED CLAY Detail:	A3NW (S)	933	8	446300 521700
	Man-Made Mining Cavities Easting: 447400 Northing: 523500 Distance: 958 Quadrant Reference: A19 Quadrant Reference: NE Bearing Ref: NE Cavity Type: PILLAR & STALL ANHYDRITE MINE-KNOWN MINED GROUND Commodity: Anhydrite Solid Geology Detail: SHERWOOD SANDSTONE GROUP ESKDALE GROUP STAINTONDALE GROUP TEESIDE GROUP Superficial Geology LAMINATED CLAY Detail:	A19NE (NE)	958	8	447400 523500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	1	446542 522752
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	1	446542 522752
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	446579 522766
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	1	446542 522752
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	178	1	446239 522551
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	1	446542 522752
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	1	446542 522752
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	446579 522766
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	1	446542 522752
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	178	1	446239 522551
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	1	446542 522752
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	446579 522766
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	178	1	446239 522551
	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	A13NW (NE)	0	1	446542 522752
	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	A13NW (NE)	0	1	446542 522752

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
114	Contemporary Trade Directory Entries Name: P Best Joinery Location: 1, Cowpen Lane, Billingham, Cleveland, TS23 1LA Classification: Joinery Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (W)	39	-	446363 522720
114	Contemporary Trade Directory Entries Name: Broadway Motor Co Location: 1, Cowpen Lane, Billingham, Cleveland, TS23 1LA Classification: Commercial Vehicle Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (W)	39	-	446363 522720
115	Contemporary Trade Directory Entries Name: Billingham Press Location: 155, Central Avenue, Billingham, Cleveland, TS23 1LF Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (N)	40	-	446566 522856
115	Contemporary Trade Directory Entries Name: Enviro Print & Design Ltd Location: 155, Central Avenue, Billingham, Cleveland, TS23 1LF Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (N)	40	-	446566 522856
115	Contemporary Trade Directory Entries Name: Billingham Press Ltd Location: 155, Central Avenue, Billingham, Cleveland, TS23 1LF Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (N)	40	-	446566 522856
116	Contemporary Trade Directory Entries Name: Fujifilm Location: Belasis Avenue, Billingham, Cleveland, TS23 1LH Classification: Laboratories Status: Active Positional Accuracy: Manually positioned within the geographical locality	A13SW (S)	87	-	446487 522574
116	Contemporary Trade Directory Entries Name: Johnson Matthey Location: Belasis Avenue, Billingham, Cleveland, TS23 1LH Classification: Chemical Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (S)	88	-	446487 522574
117	Contemporary Trade Directory Entries Name: J & A Cleaners Location: 55, York Crescent, Billingham, Cleveland, TS23 1AT Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	184	-	446223 522779
118	Contemporary Trade Directory Entries Name: Speedlift 11 Ltd Location: The Grange Business Centre, Belasis Avenue, Billingham, Cleveland, TS23 1LG Classification: Road Haulage Services Status: Active Positional Accuracy: Manually positioned within the geographical locality	A14NW (NE)	279	-	446974 522958
118	Contemporary Trade Directory Entries Name: Teesside Graphics Location: Building 1 Offices, The Grange Business Centre, Belasis Avenue, Billingham, TS23 1LG Classification: Copying & Duplicating Services Status: Active Positional Accuracy: Automatically positioned to the address	A14NW (NE)	279	-	446974 522958
118	Contemporary Trade Directory Entries Name: Unicycle.Com Location: The Grange Business Centre, Belasis Avenue, Billingham, Cleveland, TS23 1LG Classification: Cycle Accessories, Manufacturers & Wholesalers Status: Active Positional Accuracy: Manually positioned to the address or location	A14NW (NE)	284	-	446978 522961

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
118	Contemporary Trade Directory Entries Name: Mdina Interiors Location: The Grange Business Centre,Belasis Av, Billingham, Cleveland, TS23 1LG Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A14NW (NE)	284	-	446978 522961
118	Contemporary Trade Directory Entries Name: Mdina Interiors Location: The Grange Business Centre,Belasis Av, Billingham, Cleveland, TS23 1LG Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A14NW (NE)	284	-	446978 522961
118	Contemporary Trade Directory Entries Name: Distinct Joinery Location: The Grange Business Centre, Belasis Avenue, Billingham, Cleveland, TS23 1LG Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (NE)	285	-	446979 522962
118	Contemporary Trade Directory Entries Name: S N F Floerger Location: Belasis Avenue, Billingham, Cleveland, TS23 1LG Classification: Petroleum Products - Manufacturers Status: Active Positional Accuracy: Manually positioned within the geographical locality	A14NW (NE)	286	-	446979 522962
118	Contemporary Trade Directory Entries Name: Portrack Handling Ltd Location: The Grange Business Centre,Belasis Av, Billingham, Cleveland, TS23 1LG Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A14NW (NE)	286	-	446979 522962
119	Contemporary Trade Directory Entries Name: Oil & Gas Preservation Services Ltd Location: Building 2, The Grange Business Centre, Belasis Avenue, Billingham, TS23 1LG Classification: Corrosion Prevention & Control Status: Active Positional Accuracy: Automatically positioned to the address	A14NW (NE)	348	-	447050 522964
120	Contemporary Trade Directory Entries Name: S N F Oil & Gas Ltd Location: 40 Acre Site,Belasis Avenue, Billingham, Cleveland, TS23 1QY Classification: Chemical Manufacturers Status: Active Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	377	-	446897 522462
121	Contemporary Trade Directory Entries Name: A R S Location: 39, Tibbersley Avenue, Billingham, Cleveland, TS23 1JA Classification: Refrigerators & Freezers - Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (SW)	417	-	446299 522223
122	Contemporary Trade Directory Entries Name: Low Vision Supplies Location: 176, Belasis Avenue, Billingham, Cleveland, TS23 1EY Classification: Optical Goods - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	440	-	446041 522376
122	Contemporary Trade Directory Entries Name: A C T Optical Labs Location: 176, Belasis Avenue, Billingham, Cleveland, TS23 1EY Classification: Optical Goods - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	440	-	446041 522376
122	Contemporary Trade Directory Entries Name: Active Mobility Centre Location: 178b, Belasis Avenue, Billingham, Cleveland, TS23 1EY Classification: Disability Equipment - Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	458	-	446031 522358

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
122	Contemporary Trade Directory Entries Name: Active Mobility Centre Location: 178b, Belasis Avenue, Billingham, Cleveland, TS23 1EY Classification: Disability Equipment - Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	458	-	446031 522358
123	Contemporary Trade Directory Entries Name: D T Pressure Cleaning Services Location: 31, Wharfdale Avenue, Billingham, Cleveland, TS23 1NL Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	449	-	445973 522924
123	Contemporary Trade Directory Entries Name: Pro-Tune (Cleveland) Location: 79, Central Avenue, Billingham, Cleveland, TS23 1LT Classification: Car Engine Tuning & Diagnostic Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	455	-	445961 522894
124	Contemporary Trade Directory Entries Name: Amic Location: 7, Rydal Avenue, Billingham, Cleveland, TS23 1HZ Classification: Concrete & Mortar Ready Mixed Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	482	-	446229 522178
125	Contemporary Trade Directory Entries Name: Nicholsons Transport Location: Burnside House, Chiltons Avenue, Billingham, TS23 1JD Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (S)	512	-	446591 522152
125	Contemporary Trade Directory Entries Name: Nicholson Transport Location: Burnside House, Chiltons Avenue, Billingham, TS23 1JD Classification: Bus & Coach Operators & Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	512	-	446591 522152
125	Contemporary Trade Directory Entries Name: Nicholsons Transport Location: Burnside House, Chiltons Avenue, Billingham, TS23 1JD Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	512	-	446591 522152
126	Contemporary Trade Directory Entries Name: S A L Blinds Location: 6, Picture House Buildings, Billingham, Cleveland, TS23 1HE Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	560	-	445988 522251
126	Contemporary Trade Directory Entries Name: Daniel Lowther Car Sales Location: 21-23, South View, Billingham, TS23 1BT Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	576	-	445967 522250
127	Contemporary Trade Directory Entries Name: Billingham Body Repairs Location: 14, Keswick Road, Billingham, Cleveland, TS23 1HB Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	600	-	445986 522195
127	Contemporary Trade Directory Entries Name: Billingham Transmissions & Cycle Centre Location: 20, Mill Lane, Billingham, Cleveland, TS23 1HF Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	602	-	446003 522176
127	Contemporary Trade Directory Entries Name: Pet Charmers Location: 18, Mill Lane, Billingham, Cleveland, TS23 1HF Classification: Pet Foods & Animal Feeds Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	606	-	445994 522178

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
128	Contemporary Trade Directory Entries Name: Ebenezer Cleans Carpet & Upholstery Cleaning Location: 38, Central Avenue, Billingham, TS23 1LN Classification: Carpet, Curtain & Upholstery Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A12NW (W)	614	-	445798 522859
129	Contemporary Trade Directory Entries Name: Andie Iron Location: 57, Stokesley Crescent, Billingham, Cleveland, TS23 1NF Classification: Ironing & Home Laundry Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	620	-	445862 523113
130	Contemporary Trade Directory Entries Name: Tjb Vehicle Services Location: 248, Cotswold Crescent, Billingham, Cleveland, TS23 2QN Classification: Breakdown and Recovery Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	635	-	446272 523445
131	Contemporary Trade Directory Entries Name: Hart Tune Location: Old Billingham Business Centre, 1, Chapel Road, Billingham, TS23 1EN Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (SW)	638	-	445792 522438
131	Contemporary Trade Directory Entries Name: Squeaky Clean Location: Old Billingham Business Centre, 1, Chapel Road, Billingham, Cleveland, TS23 1EN Classification: Cleaning Services - Commercial Status: Inactive Positional Accuracy: Manually positioned to the address or location	A12SW (SW)	638	-	445792 522438
131	Contemporary Trade Directory Entries Name: Utility 4 U Location: Old Billingham Business Centre, 1, Chapel Road, Billingham, TS23 1EN Classification: Gas Companies Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (SW)	639	-	445792 522438
131	Contemporary Trade Directory Entries Name: Document Solutions Uk Ltd Location: Billingham, TS23 1EN Classification: Office Furniture & Equipment Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (SW)	639	-	445792 522438
132	Contemporary Trade Directory Entries Name: A L S Location: 13, Station Road, Billingham, Cleveland, TS23 1AF Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	642	-	445764 522558
132	Contemporary Trade Directory Entries Name: U-Fit Exhausts & Auto Parts Location: 36, Station Road, Billingham, Cleveland, TS23 1AB Classification: Exhaust & Shock Absorber Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	652	-	445748 522623
132	Contemporary Trade Directory Entries Name: Area Hoover Service Location: 35, Station Road, Billingham, Cleveland, TS23 1AF Classification: Vacuum Cleaners - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	669	-	445734 522597
132	Contemporary Trade Directory Entries Name: Area Vacuum Services Location: 35, Station Road, Billingham, Cleveland, TS23 1AF Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	669	-	445734 522597

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
133	Contemporary Trade Directory Entries Name: 1st Stop Car Commercials Location: South View, Billingham, Cleveland, TS23 1BS Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A7NW (SW)	678	-	445868 522209
133	Contemporary Trade Directory Entries Name: Marwoods Trade Centre Location: South View, Billingham, TS23 1BS Classification: Car Dealers - Used Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (SW)	704	-	445846 522195
134	Contemporary Trade Directory Entries Name: Mill Lane Laundrette Location: 38, Mill Lane, Billingham, Cleveland, TS23 1HF Classification: Laundries & Launderettes Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	679	-	446006 522075
134	Contemporary Trade Directory Entries Name: The Launderette Location: 38, Mill Lane, Billingham, Cleveland, TS23 1HF Classification: Laundries & Launderettes Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	679	-	446006 522075
134	Contemporary Trade Directory Entries Name: Mill Lane Launderette Ltd Location: 38, Mill Lane, BILLINGHAM, Cleveland, TS23 1HF Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	679	-	446006 522075
134	Contemporary Trade Directory Entries Name: Old Mill Press Location: 42, Mill Lane, Billingham, Cleveland, TS23 1HF Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	684	-	446022 522059
135	Contemporary Trade Directory Entries Name: Tracerco Location: Unit 2, Belasis Court, Greenwood Road, Belasis Hall Technology Park, Billingham, Cleveland, TS23 4AZ Classification: Chemical Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A19SE (NE)	705	-	447278 523262
135	Contemporary Trade Directory Entries Name: Oxy-Wax Ltd Location: Belasis Court, Greenwood Road, Billingham, Cleveland, TS23 4AZ Classification: Waxes Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	715	-	447306 523243
135	Contemporary Trade Directory Entries Name: Design Research & Development Co Ltd Location: Unit 1, Belasis Court, Greenwood Road, Billingham, Cleveland, TS23 4AZ Classification: Chemical Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	715	-	447306 523243
135	Contemporary Trade Directory Entries Name: Tribo-Synthetics Location: Unit 1, Belasis Court, Greenwood Rd, Billingham, Cleveland, TS23 4AZ Classification: Lubricant Manufacturers & Distributors Status: Inactive Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	718	-	447308 523244
136	Contemporary Trade Directory Entries Name: Teeside Vacuum Cleaners Location: 7, Churchend Close, Billingham, Cleveland, TS23 1BN Classification: Vacuum Cleaners - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	705	-	445806 522251

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
137	Contemporary Trade Directory Entries Name: Eurofins Newtec Laboratories Location: Unit 20 Belasis Court, Greenwood Road, Billingham, Cleveland, TS23 4AZ Classification: Laboratories Status: Active Positional Accuracy: Manually positioned within the geographical locality	A19SW (NE)	727	-	447226 523346
137	Contemporary Trade Directory Entries Name: Cambridge Research Biochemicals Ltd Location: Unit 10, Belasis Court, Greenwood Road, Billingham, Cleveland, TS23 4AZ Classification: Chemical Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	727	-	447226 523346
137	Contemporary Trade Directory Entries Name: A B B Ltd Location: Pavilion 9, Bylands Way, Belasis Hall Business Pk, Billingham, Cleveland, TS23 4EB Classification: Engineers - General Status: Inactive Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	727	-	447226 523346
138	Contemporary Trade Directory Entries Name: Billingham Decor Centre Location: 67-69, Station Road, Billingham, Cleveland, TS23 1AE Classification: Painting & Decorating Supplies Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	732	-	445667 522666
139	Contemporary Trade Directory Entries Name: Car Technics Location: 21, Greenwood Road, Billingham, Cleveland, TS23 4AZ Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	734	-	446926 523514
140	Contemporary Trade Directory Entries Name: Rooms Domestique Ltd Location: Unit 16, Belasis Court, Greenwood Road, Billingham, Cleveland, TS23 4AZ Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	753	-	447277 523334
140	Contemporary Trade Directory Entries Name: Harlington Sourcing Ltd Location: Unit 16, Belasis Court, Greenwood Road, Billingham, Cleveland, TS23 4AZ Classification: Distribution Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	753	-	447277 523334
140	Contemporary Trade Directory Entries Name: Cambridge Research Biochemicals Location: Unit 17-19, Belasis Court, Greenwood Road, BILLINGHAM, Cleveland, TS23 4AZ Classification: Chemical Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A19SE (NE)	761	-	447311 523309
140	Contemporary Trade Directory Entries Name: Smithers Rapra Technology Ltd Location: Unit 17/19, Belasis Court, Greenwood Road, Billingham, Cleveland, TS23 4AZ Classification: Rubber & Plastic Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	761	-	447311 523309
141	Contemporary Trade Directory Entries Name: Williams Location: 15, West Avenue, Billingham, Cleveland, TS23 1DB Classification: Caravans - Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	808	-	445823 522065
141	Contemporary Trade Directory Entries Name: Otw Caravan Services Location: 15, West Avenue, Billingham, Cleveland, TS23 1DB Classification: Caravans - Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	808	-	445823 522065

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
142	Contemporary Trade Directory Entries Name: Datex Telecom Ltd Location: 6, Leeholme Road, BILLINGHAM, Cleveland, TS23 3TA Classification: Telecommunications Equipment & Systems Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	822	-	446573 523639
142	Contemporary Trade Directory Entries Name: L O Services Location: 6, Leeholme Road, Billingham, Cleveland, TS23 3TA Classification: Car Dealers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18NE (N)	822	-	446573 523639
142	Contemporary Trade Directory Entries Name: Cleveland Press Location: 4, Leeholme Road, Billingham, Cleveland, TS23 3TA Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	829	-	446537 523649
142	Contemporary Trade Directory Entries Name: K Perkins & D Baldwin French Polishing & Cabinet Makers Location: 9, Leeholme Road, Billingham, Cleveland, TS23 3TA Classification: French Polishing Status: Active Positional Accuracy: Automatically positioned to the address	A18NE (N)	836	-	446586 523652
142	Contemporary Trade Directory Entries Name: Teeside Trade Cars Ltd Location: 14 Leeholme Road, Billingham, Cleveland, TS23 3TA Classification: Car Dealers Status: Active Positional Accuracy: Manually positioned to the address or location	A18NW (N)	845	-	446519 523666
142	Contemporary Trade Directory Entries Name: Advance Transmissions Location: Leeholme Road, BILLINGHAM, Cleveland, TS23 3TA Classification: Gearboxes Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	846	-	446519 523667
143	Contemporary Trade Directory Entries Name: Peglar & Loudon Ltd Location: Belasis Business Centre, Coxwold Way, Belasis Hall Technology Park, Billingham, Cleveland, TS23 4EA Classification: Valve Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	824	-	447486 523157
143	Contemporary Trade Directory Entries Name: Pentol Location: Belasis Business Centre, Coxwold Way, Belasis Hall Technology Park, Billingham, Cleveland, TS23 4EA Classification: Chemicals & Allied Products Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	824	-	447486 523157
143	Contemporary Trade Directory Entries Name: Pentol-Enviro Uk Ltd Location: Belasis Business Centre, Coxwold Way, Belasis Hall Technology Park, Billingham, Cleveland, TS23 4EA Classification: Chemicals & Allied Products Status: Inactive Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	824	-	447486 523157
143	Contemporary Trade Directory Entries Name: Coch International (Uk) Ltd Location: Belasis Business Centre, Coxwold Way, Belasis Hall Technology Park, Billingham, Cleveland, TS23 4EA Classification: Chemical Plant & Equipment Status: Inactive Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	824	-	447486 523156
143	Contemporary Trade Directory Entries Name: Integrated Office Systems Ltd Location: Belasis Business Centre, Coxwold Way, Billingham, Cleveland, TS23 4EA Classification: Photocopiers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	824	-	447486 523156

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
143	Contemporary Trade Directory Entries Name: Ecco Finishing (Uk) Ltd Location: Belasis Business Centre, Coxwold Way, Belasis Hall Technology Park, Billingham, Cleveland, TS23 4EA Classification: Spraying - Paint & Coatings Status: Inactive Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	824	-	447486 523156
143	Contemporary Trade Directory Entries Name: Shanks & Mcewen Location: Belasis Business Centre, Coxwold Way, Belasis Hall Technology Park, Billingham, Cleveland, TS23 4EA Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	824	-	447486 523156
143	Contemporary Trade Directory Entries Name: Structure Flex Ltd Location: Balasis Business Centre, Coxwold Way, Belasis Hall Technology Pk, Billingham, Cleveland, TS23 4EA Classification: Packaging Materials Manufacturers & Suppliers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A19SE (E)	835	-	447506 523138
143	Contemporary Trade Directory Entries Name: Powder Services Ltd Location: The Belasis Business Centre, Belasis Hall Technology Park, Billingham, Cleveland, TS23 4EA Classification: Powder Coatings Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A19SE (NE)	863	-	447522 523172
143	Contemporary Trade Directory Entries Name: Carbis Location: Suite 4202, Belasis Business Centre, Coxwold Way, Belasis Hall Technology Park, Billingham, Cleveland, TS23 4EA Classification: Filter Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (E)	864	-	447536 523143
144	Contemporary Trade Directory Entries Name: Cpi Engineering Services Inc Location: Belasis Business Centre, Coxwold Way, Belasis Hall Technology Park, Billingham, Cleveland, TS23 4EA Classification: Lubricant Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	841	-	447425 523293
145	Contemporary Trade Directory Entries Name: Northern Road Pilots Location: 10, Rodney Close, Billingham, Cleveland, TS23 1QJ Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	878	-	445904 521904
146	Contemporary Trade Directory Entries Name: Tyre Exchange Supersites Location: 13-14, Leeholme Road, BILLINGHAM, Cleveland, TS23 3TA Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	879	-	446569 523697
146	Contemporary Trade Directory Entries Name: Stephen Moran Location: 1 Leeholme Rd, Billingham, Cleveland, TS23 3TA Classification: Car Dealers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18NW (N)	887	-	446522 523708
146	Contemporary Trade Directory Entries Name: Datex Systemcare Ltd Location: Leeholme Rd, Billingham, Cleveland, TS23 3TA Classification: Telecommunications Equipment & Systems Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18NE (N)	903	-	446579 523720
146	Contemporary Trade Directory Entries Name: Towngate Motors Location: Leeholme Rd, Billingham, Cleveland, TS23 3TA Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18NE (N)	909	-	446584 523726

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
147	Contemporary Trade Directory Entries Name: Crofts Billingham Location: Station Road, Billingham, Cleveland, TS23 1PB Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A11NE (W)	888	-	445530 522934
148	Contemporary Trade Directory Entries Name: The Ceramic Experience Location: 14 Leeholme Road Indust Est, Billingham, Cleveland, TS23 3TA Classification: Ceramic Manufacturers, Supplies & Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18NW (N)	897	-	446512 523718
149	Contemporary Trade Directory Entries Name: Country Valley Foods Location: Gillander House, Leeholme Road, Billingham, TS23 3TA Classification: Meat - Wholesale Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	900	-	446647 523713
149	Contemporary Trade Directory Entries Name: Country Valley Foods Location: Gillander House, Leeholme Road, Billingham, TS23 3TA Classification: Meat - Wholesale Status: Active Positional Accuracy: Automatically positioned to the address	A18NE (N)	900	-	446647 523713
149	Contemporary Trade Directory Entries Name: W A Brown Building Services Ltd Location: Gillander House, Leeholme Road, Billingham, Cleveland, TS23 3TA Classification: Steel Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	911	-	446654 523723
149	Contemporary Trade Directory Entries Name: C V Refrigeration Location: Billingham, Cleveland, Ts23 3ta Classification: Refrigerators & Freezers - Servicing & Repairs Status: Active Positional Accuracy: Manually positioned within the geographical locality	A18NE (N)	911	-	446654 523723
150	Contemporary Trade Directory Entries Name: Tracerco Location: The Moat, Belasis Hall Technology Park, Billingham, TS23 4ED Classification: Chemical Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A19SE (NE)	904	-	447526 523253
151	Contemporary Trade Directory Entries Name: Esso Location: Beck Valley Service Station, Wolviston Road, Billingham, TS23 1PB Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A11NE (W)	905	-	445506 522861
151	Contemporary Trade Directory Entries Name: Beck Valley Service Station Location: Beck Valley Service Station, Wolviston Road, Billingham, Cleveland, TS23 1PB Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A11NE (W)	905	-	445506 522861
151	Contemporary Trade Directory Entries Name: Beck Valley Service Station Location: Beck Valley Service Station, Wolviston Road, Billingham, Cleveland, TS23 1PB Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A11NE (W)	905	-	445506 522861
151	Contemporary Trade Directory Entries Name: Esso Location: Bypass Road, Billingham, Cleveland, TS23 1PB Classification: Petrol Filling Stations Status: Active Positional Accuracy: Manually positioned to the address or location	A11NE (W)	909	-	445502 522862

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
152	Contemporary Trade Directory Entries Name: G J Auto Repairs Location: 85, Station Road, Billingham, Cleveland, TS23 1PA Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A11NE (W)	911	-	445509 522949
152	Contemporary Trade Directory Entries Name: G J Auto Repairs Location: 85, Station Road, Billingham, TS23 1PA Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A11NE (W)	911	-	445509 522949
152	Contemporary Trade Directory Entries Name: Helmanis & Howell Location: 83, Station Road, Billingham, TS23 1PA Classification: Boilers - Servicing, Replacements & Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A11NE (W)	940	-	445476 522918
152	Contemporary Trade Directory Entries Name: Helmanis & Howell Location: 83, Station Road, Billingham, TS23 1PA Classification: Fireplaces & Mantelpieces Status: Inactive Positional Accuracy: Automatically positioned to the address	A11NE (W)	940	-	445476 522918
153	Contemporary Trade Directory Entries Name: Frutarom Uk Ltd Location: Belasis Avenue, Billingham, Cleveland, TS23 1LQ Classification: Food Colouring, Flavouring & Additive Manufacturers & Distributors Status: Active Positional Accuracy: Automatically positioned to the address	A15NW (E)	922	-	447653 522943
154	Contemporary Trade Directory Entries Name: Tesco Filling Station Location: Leeholme Road, Billingham, TS23 3TA Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A23SW (N)	923	-	446456 523748
154	Contemporary Trade Directory Entries Name: Datex System Care Location: 6 Leeholme Rd, Billingham, Cleveland, TS23 3TA Classification: Telecommunications Equipment & Systems Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A23SW (N)	927	-	446480 523750
154	Contemporary Trade Directory Entries Name: Allied Building Services Location: Unit 14 Leeholme Rd, Billingham, Cleveland, TS23 3TA Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A23SW (N)	928	-	446476 523752
154	Contemporary Trade Directory Entries Name: Billingham Motors Location: Leeholme Road, Billingham, Cleveland, TS23 3TA Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A23SW (N)	940	-	446497 523762
154	Contemporary Trade Directory Entries Name: Billingham M O T Centre Location: Leeholme Road, Billingham, Cleveland, TS23 3TA Classification: Mot Testing Centres Status: Active Positional Accuracy: Automatically positioned to the address	A23SW (N)	940	-	446497 523762
154	Contemporary Trade Directory Entries Name: Designer Leaded Lights Location: 8, Leeholme Road, Billingham, Cleveland, TS23 3TA Classification: Glass Engravers & Decorators Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A23SW (N)	943	-	446493 523765
154	Contemporary Trade Directory Entries Name: Designer Leaded Lights Location: 8, Leeholme Road, Billingham, Cleveland, TS23 3TA Classification: Leaded Lights & Windows Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A23SW (N)	943	-	446493 523765

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
155	Contemporary Trade Directory Entries Name: Goldteck 2000 Location: 67, New Road, Billingham, Cleveland, TS23 1DH Classification: Metal Finishing Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	951	-	445994 521769
155	Contemporary Trade Directory Entries Name: Lucite International Uk Ltd Location: 66 New Rd, Billingham, Cleveland, TS23 1PR Classification: Plaster Manufacturers & Suppliers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A7SE (SW)	951	-	446002 521764
155	Contemporary Trade Directory Entries Name: Teesside Industrial Door Services Location: 6, Mond Crescent, Billingham, TS23 1DL Classification: Door Manufacturers - Industrial Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	983	-	446005 521728
156	Contemporary Trade Directory Entries Name: Advanced Transmissions Location: Leeholme Road, Billingham, TS23 3TA Classification: Gearboxes Status: Inactive Positional Accuracy: Automatically positioned to the address	A23SE (N)	962	-	446682 523773
157	Contemporary Trade Directory Entries Name: Johnson Matthey Location: Coxwold Way, Belasis Hall Technology Park, Billingham, Cleveland, TS23 4EA Classification: Oil & Gas Exploration Supplies & Services Status: Active Positional Accuracy: Automatically positioned to the address	A20SW (E)	991	-	447648 523204
158	Contemporary Trade Directory Entries Name: Town Centre Testing Station Location: Town Centre, Billingham, Cleveland, TS23 2LJ Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A22SE (NW)	993	-	446090 523766
159	Contemporary Trade Directory Entries Name: Unimag Ltd Location: 19c, Manor Way, Belasis Hall Technology Park, Billingham, Cleveland, TS23 4HN Classification: Chemicals & Allied Products Status: Inactive Positional Accuracy: Automatically positioned to the address	A20SW (E)	995	-	447696 523081
160	Contemporary Trade Directory Entries Name: Vickta Clean Location: Unit 15, Towngate Business Park, Leeholme Road, Billingham, TS23 3TA Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A23SE (N)	999	-	446736 523806
161	Fuel Station Entries Name: Bank Top Garage Location: South View , , Billingham, Stockton-On-Tees, TS23 1BS Brand: Unbranded Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A7NW (SW)	703	-	445851 522190
162	Fuel Station Entries Name: Bypass Billingham Express Location: Central Avenue Wolviston Road, , Billingham, Stockton-On-Tees, TS23 1PB Brand: ESSO Premises Type: Petrol Station Status: Open Positional Accuracy: Automatically positioned to the address	A11NE (W)	905	-	445506 522861
163	Fuel Station Entries Name: Marsh House Filling Station Location: Marsh House Avenue , , Billingham, Stockton-On-Tees, TS23 3QJ Brand: Unbranded Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Manually positioned to the address or location	A23SW (N)	917	-	446457 523742

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
163	Fuel Station Entries Name: Tesco Billingham Location: Marsh House Avenue , , Billingham, Stockton-On-Tees, TS23 3TA Brand: Tesco Premises Type: Hypermarket Status: Open Positional Accuracy: Manually positioned to the address or location	A23SW (N)	923	-	446456 523748

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
164	Local Nature Reserves Name: Charltons Pond Multiple Area: N Area (m2): 79116.74 Source: Natural England Designation Date: 20th February 2004	A18SE (N)	252	9	446608 523089
165	Local Nature Reserves Name: Billingham Beck Valley Multiple Area: Y Area (m2): 385629.94 Source: Natural England Designation Date: 1st January 1996	A11SE (W)	921	9	445478 522575
166	Nitrate Vulnerable Zones Name: Billingham Beck From Brierley Beck To River Tees Nvz Description: Surface Water Source: Environment Agency, Head Office	A13NW (NE)	0	4	446542 522752

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Hartlepool Borough Council - Neighbourhood Services Department Middlesbrough Council - Public Protection and Planning Stockton-on-Tees Borough Council - Environmental Health Department Redcar and Cleveland Borough Council - Development Department	April 2013 November 2013 October 2017 September 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - North East Region	April 2019	Quarterly
Enforcement and Prohibition Notices Environment Agency - North East Region	March 2013	Annual Rolling Update
Integrated Pollution Controls Environment Agency - North East Region	October 2008	Variable
Integrated Pollution Prevention And Control Environment Agency - North East Region	April 2019	Quarterly
Local Authority Integrated Pollution Prevention And Control Hartlepool Borough Council - Environmental Health Department Redcar and Cleveland Borough Council - Environmental Health Department Stockton-on-Tees Borough Council - Environmental Health Department Middlesbrough Council - Environmental Health Department	April 2015 December 2014 June 2014 September 2013	Variable Variable Variable Variable
Local Authority Pollution Prevention and Controls Hartlepool Borough Council - Environmental Health Department Redcar and Cleveland Borough Council - Environmental Health Department Stockton-on-Tees Borough Council - Environmental Health Department Middlesbrough Council - Environmental Health Department	April 2015 December 2014 June 2014 June 2015	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Hartlepool Borough Council - Environmental Health Department Redcar and Cleveland Borough Council - Environmental Health Department Stockton-on-Tees Borough Council - Environmental Health Department Middlesbrough Council - Environmental Health Department	April 2015 December 2014 June 2014 June 2015	Variable Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	January 2019	
Pollution Incidents to Controlled Waters Environment Agency - North East Region	December 1998	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - North East Region	March 2013	Annual Rolling Update
Prosecutions Relating to Controlled Waters Environment Agency - North East Region	March 2013	Annual Rolling Update
Registered Radioactive Substances Environment Agency - North East Region	June 2016	
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - North East Region - Dales Area Environment Agency - North East Region - North East Area	April 2019 April 2019	Quarterly Quarterly
Water Abstractions Environment Agency - North East Region	April 2019	Quarterly
Water Industry Act Referrals Environment Agency - North East Region	October 2017	Quarterly

Agency & Hydrological	Version	Update Cycle
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	Annually
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	January 2019	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	May 2019	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	May 2019	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	May 2019	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	May 2019	Quarterly
Flood Defences Environment Agency - Head Office	May 2019	Quarterly
OS Water Network Lines Ordnance Survey	January 2019	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	July 2018	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - North East Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North East Region - Dales Area Environment Agency - North East Region - North East Area	July 2018 July 2018	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North East Region - Dales Area Environment Agency - North East Region - North East Area	April 2019 April 2019	Quarterly Quarterly
Local Authority Landfill Coverage Hartlepool Borough Council - Environmental Health Department Middlesbrough Council Redcar and Cleveland Borough Council Stockton-on-Tees Borough Council - Environmental Health Department	May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Hartlepool Borough Council - Environmental Health Department Middlesbrough Council Redcar and Cleveland Borough Council Stockton-on-Tees Borough Council - Environmental Health Department	May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable
Registered Landfill Sites Environment Agency - North East Region - Dales Area Environment Agency - North East Region - North East Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - North East Region - Dales Area Environment Agency - North East Region - North East Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - North East Region - Dales Area Environment Agency - North East Region - North East Area	March 2003 March 2003	Not Applicable Not Applicable
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Redcar and Cleveland Borough Council - Planning Department Hartlepool Borough Council Middlesbrough Council Stockton-on-Tees Borough Council	April 2016 January 2016 January 2016 October 2015	Variable Variable Variable Variable
Planning Hazardous Substance Consents Redcar and Cleveland Borough Council - Planning Department Hartlepool Borough Council Middlesbrough Council Stockton-on-Tees Borough Council	April 2016 January 2016 January 2016 October 2015	Variable Variable Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	April 2019	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	October 2000	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	January 2019	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	April 2019	Quarterly
Fuel Station Entries Catalist Ltd - Experian	May 2019	Quarterly
Gas Pipelines National Grid	July 2014	
Underground Electrical Cables National Grid	December 2015	

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	August 2018	Bi-Annually
Areas of Outstanding Natural Beauty Natural England	June 2019	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	March 2019	Bi-Annually
Marine Nature Reserves Natural England	January 2018	Bi-Annually
National Nature Reserves Natural England	August 2018	Bi-Annually
National Parks Natural England	April 2017	Bi-Annually
Nitrate Vulnerable Zones Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2017 October 2015	Bi-Annually
Ramsar Sites Natural England	April 2019	Bi-Annually
Sites of Special Scientific Interest Natural England	March 2019	Bi-Annually
Special Areas of Conservation Natural England	June 2019	Bi-Annually
Special Protection Areas Natural England	April 2019	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 <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
1	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	Stockton-on-Tees Borough Council - Environmental Health Department Municipal Buildings, 16 Church Road, Stockton-on-tees, Cleveland, TS18 1XD	Telephone: 01642 393939 Fax: 01642 391156 Website: www.stockton-bc.gov.uk
4	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	Health and Safety Executive 5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Website: www.hse.gov.uk
7	Stockton-on-Tees Borough Council PO Box 229, Kingsway House, West Precinct, Billingham, TS23 2YL	Telephone: 01642 393939 Fax: 01642 393092 Website: www.stockton-bc.gov.uk
8	Peter Brett Associates Caversham Bridge House, Waterman Place, Reading, Berkshire, RG1 8DN	Telephone: 0118 950 0761 Fax: 0118 959 7498 Email: reading@pba.co.uk Website: www.pba.co.uk
9	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.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 Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

Appendix D
Notes on Contamination
Guidance

UK BACKGROUND

Environmental Protection Act 1990: Part 2A Revised Statutory Guidance (April 2012)

This revised document explains how the Local Authority should decide if land, based on a legal interpretation, is contaminated. The document replaces the previous guidance given in Annex 3 of DEFRA Circular 01/2006, issued in accordance with section 78YA of the 1990 Environmental Protection Act.

The main objectives of the Part 2A regime are to *“identify and remove unacceptable risks to human health and the environment”* and to *“seek to ensure that contaminated land is made suitable for its current use”*.

Part 2A uses a risk based approach to defining contaminated land whereby the “risk” is interpreted as *“the likelihood that harm, or pollution of water, will occur as a result of contaminants in, on or under the land”* and by *“the scale and seriousness of such harm or pollution if it did occur”*.

For a relevant risk to exist a contaminant, pathway and receptor linkage must be present before the land can be considered to be contaminated. The document explains that *“for a risk to exist there must be contaminants present in, on or under the land in a form and quantity that poses a hazard, and one or more pathways by which they might significantly harm people, the environment, or property; or significantly pollute controlled waters.”*

A conceptual model is used to develop and communicate the risks associated with a particular site.

To determine if land is contaminated the local authority use various categories from 1 to 4. Categories 1 and 2 include *“land which is capable of being determined as contaminated land on grounds of significant possibility of significant harm to human health.”*

Categories 3 and 4 *“encompass land which is not capable of being determined on such grounds”*.

PRELIMINARY CONCEPTUAL MODEL

Preliminary Conceptual Models are undertaken in accordance with CIRIA C552. The Preliminary Conceptual Model assesses the consequence and the likelihood of a risk being realised to provide a risk classification, using the tables detailed below.

CONSEQUENCE OF RISK BEING REALISED (Based on C552 CIRIA, 2001)

Classification	Definition	Example
Severe	Short-term (acute) risk to human health, the environment, an element of the development or other aspect with is likely to result in <i>significant harm</i> , damage or both.	High concentrations of cyanide on the surface of an informal recreational area. Major spills of contaminants from site into controlled water. High concentrations of explosive gas in the subsurface environment that have a clear unobstructed pathway into buildings.
Moderate	Chronic damage to human health, a plausible chance that an event will occur, although the timeline is not immediate to be in the short-term.	Appreciable concentration of contamination that over the longer-term will cause significant harm i.e. high lead concentration in topsoil. Shallow mine workings that are potentially unstable but may remain in a satisfactory or stable conditions for a number of years.
Mild	Low level pollution of non-sensitive water, a feasible hazardous scenario although the timeline of such occurring can probably be considered in 10's of years.	The effect of high sulphate concentrations on structural concrete. Pollution of non-classified groundwater.
Minor	Harm, although not necessarily significant to human health, or with respect to other aspects of the development, which are considered implausible in terms of occurrence, or will have little consequential impact.	The presence of contaminants at such low concentrations that protective equipment is required during site works. Any damage to structures is minimal and will not be structural in characteristics.

PROBABILITY OF RISK BEING REALISED (C552 CIRIA, 2001)

Classification	Definition
High Likelihood	There is a viable pollutant linkage and an event that either appears very likely in the short term and almost inevitable over the long term, or there is evidence that the receptor has been harmed or polluted.
Likely	There is a viable pollutant linkage and all elements are present and in the right place, which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term.
Low Likelihood	There is a viable pollutant linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a longer period such event would take place, and is less likely in the shorter term.
Unlikely	There is a viable pollutant linkage but circumstances are such that it is improbable that an event would occur even in the very long term.

RISK CLASSIFICATION MATRIX (C552 CIRIA, 2001)

Risk = Probability x Consequence		Consequence			
		Severe	Moderate	Mild	Minor
Probability	High likelihood	Very high risk	High risk	Moderate risk	Moderate/low risk
	Likely	High risk	Moderate risk	Moderate/low risk	Low risk
	Low likelihood	Moderate risk	Moderate/low risk	Low risk	Very low risk
	Unlikely	Moderate/low risk	Low risk	Very low risk	Very low risk

HUMAN RECEPTORS

Human exposure to contaminants present in soils can occur via several pathways. Direct exposure pathways include dermal absorption after contact with contaminated ground, inhalation of soil or dust, inhalation of volatilised compounds, and inadvertent soil ingestion (or deliberate soil ingestion in the case of some children). Other indirect pathways include human ingestion of plants grown in contaminated soil or contaminated ground or surface water. Contaminants associated with wind blown dust can affect humans on surrounding sites.

VEGETATION

Plants can be affected by soil contamination in a number of ways resulting in growth inhibition, nutrient deficiencies and yellowing of leaves. Contaminants are taken up by plants through the roots and through foliage. Contaminants identified as being highly phytotoxic include boron, cadmium, copper, lead, nickel, and zinc.

To establish if the levels of contaminants present on a site may pose a risk to vegetation the results of the contamination testing are compared to a series of threshold values published in 'Code of Good Agricultural Practice for the Protection of Soil'.

GROUNDWATER AND SURFACE WATER RECEPTORS

The principal pathway by which soil contamination may reach the water environment is through a slow seepage or leaching to groundwater or surface water. The potential for contaminants to migrate along such pathways is dependent on the chemical and physical characteristics of the contaminants and the local hydrogeology. Surface watercourses may also accumulate contamination as contaminated sediments are deposited within the water body.

Where the site investigated overlies major/principal aquifers (and in some cases minor/secondary aquifers depending on certain conditions), groundwater Source Protection Zones and areas in close proximity to groundwater abstractions, contamination test results have been compared with the Water Supply (Water Quality) Regulations 1989 and The Water Supply (Water Quality) Regulations 2000.

Should a surface water receptor, such as a fresh water environment (river, canal, stream, lake etc), or marine environment be considered sensitive in relation to a site, then test results are compared with DEFRA & SEPA Environmental Quality Standards (2004). Many of the Environmental Quality Standards are hardness (CaCO₃) depended. Where no hardness values are available, Solmek assume conservative values (of between 0 and 50mg/l).

In the absence of vulnerable ground and surface water environments, Solmek may compare any test results with the Environment Agency Leachate Quality Threshold Values.

DETAILED QUANTITATIVE RISK ASSESSMENT (DQRA)

In line with CLR 11- Model Procedures, a DQRA for groundwater/human health may be required following a Phase 2 investigation and before the preparation of a Phase 3 Remediation Strategy. For human health DQRA, a site specific assessment criteria is undertaken using CLEA Software Version 1.06. For groundwater DQRA, the Environment Agency Remedial Targets Worksheet Version 3.1 is used.

WASTE ACCEPTANCE CRITERIA

The WAC testing relates to materials that are to be exported from a site/development to landfill, and do not directly relate to human health specifically. The WAC test categorises materials as either inert waste, non-reactive hazardous waste, and hazardous waste.

The testing results are generally presented as certificates which can be used by site owners/contractors etc, which should be presented to the accepting waste facility or waste contractor.

CONSTRUCTION MATERIALS

Materials at risk from possible soil contaminants include inorganic matrices such as cement and concrete and also organic material such as plastics and rubbers. Acid ground conditions and high levels of sulphates can accelerate the corrosion of building materials. Where pH and soluble sulphate analysis has been undertaken, Solmek compare the test results with the guidelines presented within BRE Special Digest 1, 2005 (3rd Edition) 'Concrete in Aggressive Ground'. Plastics and rubbers are generally used for piping and service ducts and are potentially attacked by a range of chemicals, most of which are organic, particularly petroleum based substances. Drinking water supplies can be tainted by substances that can penetrate piping and water companies enforce stringent threshold values.

The levels of potential contaminants should be compared to thresholds supplied in the UK Water Industry Research (UKWIR) publication "Guidance for the selection of Water Supply Pipes to be used in Brownfield Sites" (January 2011). A Brownfield Site is defined in the document as "Land or premises that have not previously been used or developed that may be vacant or derelict". It should be noted that Brownfield sites may not be contaminated. The guidance does not apply to Greenfield Sites however water companies may have their own assessment criteria which should be checked by the developer. The table below outlines the pipe material selection threshold concentrations.

Parameter group	Pipe Material (Threshold concentrations in mg/kg)					
	PE	PVC	Barrier pipe (PE-AL-PE)	Wrapped Steel	Wrapped Ductile Iron	Copper
Extended VOC suite by purge and trap or head space and GC-MS with TIC	0.5	0.125	Pass	Pass	Pass	Pass
+ BTEX + MTBE	0.1	0.03	Pass	Pass	Pass	Pass
SVOCs TIC by purge and trap or head space and GC-MS with TIC (aliphatic and aromatic C5-C10)	2	1.4	Pass	Pass	Pass	Pass
+ Phenols	2	0.4	Pass	Pass	Pass	Pass
+ Cresols and chlorinated phenols	2	0.04	Pass	Pass	Pass	Pass
Mineral oil C11-C20	10	Pass	Pass	Pass	Pass	Pass
Mineral oil C21-C40	500	Pass	Pass	Pass	Pass	Pass
Corrosive (Conductivity, Redox and pH)	Pass	Pass	Pass	Corrosive if pH <7 and conductivity >400µS/cm	Corrosive if pH <5, Eh not neutral and conductivity >400µS/cm	Corrosive if pH <5 or >8 and Eh positive
Specific suite identified as relevant following site investigation						
Ethers	0.5	1	Pass	Pass	Pass	Pass
Nitrobenzene	0.5	0.4	Pass	Pass	Pass	Pass
Ketones	0.5	0.02	Pass	Pass	Pass	Pass
Aldehydes	0.5	0.02	Pass	Pass	Pass	Pass
Amines	Fail	Pass	Pass	Pass	Pass	Pass

REQUIREMENTS OF PARTIES WITHIN THE DEVELOPMENT PROCESS

Interested parties involved in the development process may use the data in different ways and there may be varying views and interpretation of the factual data. Local Authority staff may have a view on contamination and human health and the wider environment. The Environment Agency are concerned principally with the protection of Controlled waters. Building insurers, funders and purchasers may be primarily concerned with issues of potential commercial blight. Purchasers are also not always fully informed, and perceptions on issues associated with risk can affect the decision to purchase. Developers and construction organisations will focus on financial aspects of dealing with the contamination in the context of the development and construction programme.

RISKS & LIABILITIES FROM CONTAMINATION

In simple terms, risks associated with contamination may be considered in terms of 1) statutory risks and 2) development related risks. If contamination is severe or forms a potential hazard based on its potential to affect groundwater, surface water or human health, a statutory risk may be present, and as such, if the risk is not reduced, criminal proceedings may be instigated by a government body or local authority.

If the contamination is less severe or not considered to be mobile, it may be considered a commercial liability which could, in theory remain untreated, but which may at a later date affect the value of the property, or, with changing legislation, become a statutory risk. Commercial liabilities could give rise to civil proceedings by third parties if there are grounds for action.

Appendix E

Notes on Limitations

♣Solmek conditions of offer, notes on limitations & basis for contract (ref: version1/2019)

These conditions accompany our tender and supercede any previous conditions issued. Solmek will prepare a report solely for the use of the Client (the party invoiced) and its agent(s). No reliance should be placed on the contents of this report, in whole or in part by 3rd parties. The report, its content and format and associated data are copyright, and the property of Solmek. Photocopying of part or all of the contents, transfer or reproduction of any kind is forbidden without written permission from Solmek. A charge may be levied against such approval, the same to be made at the discretion of Solmek. Solmek was a trading name of Hymas Geoenvironmental Ltd.

Solmek cannot be held liable and do not warrant, or otherwise guarantee the validity of information provided by third parties and subsequently used in our reports. Solmek are not responsible for the action negligent of otherwise of subcontractors or third parties.

Site investigation is a process of sampling. The scope and size of an investigation may be considered proportional to levels of confidence regarding the ground and groundwater conditions. The exploratory holes undertaken investigate only a small volume of the ground in relation to the overall size of the site, and can only provide a general indication of site conditions. The opinions provided and recommendations given in this report are based on the ground conditions as encountered within each of the exploratory holes. There may be different ground conditions elsewhere on the site which have not been identified by this investigation and which therefore have not been taken into account in this report. Reports are generally subject to the comments of the local authority and Environment Agency. The comments made on groundwater conditions are based on observations made at the time that site work was carried out. It should be noted that mobile contamination, ground gas levels and groundwater levels may vary owing to seasonal, tidal and/or weather related effects. Solmek cannot be held liable for any unrecorded or unforeseen obstructions between exploratory boreholes and trial pits. This includes instances where previous structures on the site (buried man made structures) or the presence of boulder clay (cobbles and/or boulder obstructions) have been anticipated. All types of piling operations should make allowance for obstructions within the construction budget to accommodate this. Unrecorded ancient mining may occur anywhere where seams that have been worked and influence the rock and soil above. Dissolution cavities can occur where gypsum or chalk is present. Rotary drilling is the recommended technique to prove the integrity of the rock.

Where the scope of the investigation is limited via access to information, time constraints, equipment limitations, testing, interpretation or by the client or his agents budgetary constraints, elements not set out in the proposal and excluded from the report are deemed to be omitted from the scope of the investigation.

Desk studies are generally prepared in accordance with RICS guidelines. Environmental site investigations are generally undertaken as 'exploratory investigations' in accordance with the definitions provided in paragraph 5.4 of BS 10175:2001 in order to confirm the conceptual assumptions. You are advised to familiarize yourself with the typical scope of such an investigation. No pumping of water will be undertaken unless a licence or facilities/equipment have been arranged by others.

Where the type, number or/and depth of exploratory hole is specified by others, Solmek cannot and will not be responsible for any subsequent shortfall or inadequacy in data, and any consequent shortfall in interpretation of environmental and geotechnical aspects which may be required at a later date in order to facilitate the design of permanent or temporary works.

All information acquired by Solmek in the course of investigation is the property of Solmek, and, only also becomes the joint property of the Client only on the complete settlement of all invoices relating to the project. Solmek reserve the right to use the information in commercial tendering and marketing, unless the Client expressly wishes otherwise in writing. The quoted rates do not include VAT, and payment terms are 30 days from dispatch of invoice from our offices. Quotes are subject to a site visit.

We have allowed for 1 mobilisation and normal working hours unless otherwise stated. The scope of the investigation may be reviewed following the desk study and/or fieldwork. The presence or otherwise of Japanese Knotweed or other invasive plants can be difficult to identify especially during winter months. If Japanese Knotweed or other invasive species are suspect, it should be confirmed by an ecologist. We have not allowed for acquiring services information, and cannot be responsible for damage to underground services or pipes not shown to us or not clearly shown on plans. Costs incurred will be passed on to you, and in commissioning Solmek you understand and accept that you/your agent have a contractual relationship with Solmek & you accept this. Our rates assume unobstructed, reasonably level and firm access to the exploratory positions and adequate clear working areas and headroom. We have priced on the basis that you or your client have the necessary permissions, wayleaves and approvals to access land. All boreholes and pits are backfilled with arisings except where gas monitoring pipes are installed with stopcock covers. Solmek are not responsible for any uneven surfaces as a result of siteworks and rutting and backfilled excavations may require re-levelling and/or making good by others after fieldwork is complete, and Solmek has not allowed for this. No price has been provided or requested for a return visit to remove pipework and covers. Hourly rates apply to consultancy only and do not include expenses unless otherwise shown. If warranties are required, legal costs incurred will be passed on to you assuming Solmek agree to complete such warranties, modified or otherwise and you understand and agree to pay all costs.

We reserve the right to pursue full payment of the invoice prior to release of any information including reports. We advise you/your client that we may elect to pursue our statutory rights under late payment legislation, and will apply 8% to the base rate for unreasonably late payments. Solmek are exempt from the CIS Scheme. Solmek offer to undertake work only in strict accordance with conditions covered by our current insurances, which are available for inspection. Solmek are not responsible for acts, negligent or otherwise of subcontractors and as a matter of policy cannot indemnify any other parties. Professional indemnity Insurance is limited to ten times the invoice net total except where stated otherwise by Solmek. Solmek give notice that consequential loss as a direct or indirect result of Solmek's activities or omission of the same are excluded.