

DESK STUDY AND CONCEPTUAL SITE MODEL
for the site at
BEVIN, BEVIN AND CO LIMITED, RIVER ROAD,
ARUNDEL, WEST SUSSEX, BN18 9DH
for
T HOLLISTER (CHERTSEY) LTD



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DOCUMENT CONTROL

Title: DESK STUDY AND CONCEPTUAL SITE MODEL

Project: BEVIN, BEVIN AND CO. LTD, RIVER ROAD, ARUNDEL, WEST SUSSEX, BN18 9DH

Client: T HOLLISTER (CHERTSEY) LTD

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1.0 INTRODUCTION

1.1 General

Land Science (Brighton) Limited was instructed by T Hollister (Chertsey) Limited to prepare a phase I Geo-environmental Desk Study and Conceptual Site Model in relation to the proposed development of the site at Bevin, Bevin and co. Limited, River Road, Arundel, West Sussex, BN18 9DH (see Figure 1).

1.2 The Site

In summary, the site comprised a series of unoccupied two / three storey commercial buildings with associated yard and parking area. The layout of the existing site is indicated on Figure 2, and a site walkover survey is presented in Section 2.0.

1.3 Form of Development

It was understood that the proposed development was to comprise the renovation of the existing buildings and the construction of a series of new residential dwellings. The exact details of proposed development are still to be issued, however, it is believed that the proposed residential development will occupy the existing building footprint with the remainder of the site (the open yard) to comprise of car parking.

1.4 Standards

Where practicable, the ground investigation and subsequent geotechnical and environmental assessments were undertaken in accordance with the following documents and guidance:

- CLR11: Model Procedures for the Management of Contaminated Land, DEFRA and Environment Agency 2004.
- Environment Agency Guidance on Requirements for Land Contamination Reports, Version 1 dated July 2005.
- Planning Policy Statement (PPS) 23: Pollution.
- Building Regulations Approved Document C: Site preparation and resistance to contaminants and moisture.
- NHBC Standards Chapter 4.1 Land Quality - Managing Ground Conditions, September 1999.

Other technical sources have been identified in respect of specific aspects of the investigation, as referenced throughout the text.

1.5 Conditions

Environmental interpretations are inherently dependant on the conditions revealed by a limited set of data and the accepted means of interpreting that data in use at the time of the investigation. Every effort is made to ensure that such data is accurate and representative, and that any assessment is performed under current best practice. However, we do not accept any liability for

the scope of the investigation, for conditions that have not been directly revealed through the investigation, or for the ultimate reliability of any published and current assessment criteria or procedures adopted in interpreting that data.

Any spatial or temporal extrapolation or inference is conjectural and no liability can be accepted for its accuracy; in particular, differing conditions may be revealed between or under points of investigation, and the concentrations or levels of mobile liquid and gaseous materials are likely to vary over time. It is also an inherent aspect of any investigation that areas of concern not previously anticipated are identified as works progress, and elements of the project design may vary during or after completion of the investigation; whilst every effort is made to tailor the investigation to suit within practical constraints as works progress, it may become necessary to undertake additional investigation work.

Information contained in this report is intended for the use of the Client and his agents for the purposes set-out in the text, and Land Science (Brighton) Ltd makes no warranty or representation whatsoever express or implied with respect to the use of this information by any other party or for uses other than those described. We do not indemnify the Client or any third parties against any dispute, claim or consequential losses arising from any finding or other result of this investigation report. No aspect of this report should be taken as a guarantee that a site is free of hazardous or potentially contaminative materials.

2.0 PHASE I DESK STUDY

2.1 Site Walkover Survey

In summary, at the time of the investigation the site comprised an irregular shaped plot of land which contained a series of interconnected one to three storey brick and flint buildings. The area within the south eastern half of the site was a former yard and car parking area with a row of derelict sheds inside the eastern boundary. See Figure 3 and site photographs for details.

At the time of the assessment the building was unoccupied with the majority of the building comprising a small office block and interconnected warehouse storage areas containing wooden shelving units. The only evidence of any possible basements at the site was below the existing office and adjoining building to the north where the level of the lowest floor appeared to be slightly below the surrounding yard and carparking area. The flooring within the buildings was noted to be either brick or concrete and no evidence of cracking or staining was noted.

The hard landscaped areas were generally covered with concrete hard standing with surface water drainage provision. The north eastern corner of the yard and car parking area was noted to be slightly raised above the surrounding ground level. There were no soft landscaping areas at the site, although numerous wild plants were present between cracks within the hard standing.

A small area located between the northern end of the building and the northern site boundary could not be accessed due to overgrown vegetation.

The site was bounded to the east by Brewery Hill and to the south by River Road, residential dwellings were present beyond these roads. To the north west of the site were commercial properties fronting onto Tarrant Street, adjacent to the north west corner of the site was a Quaker Burial Ground. To the south west was a row of residential garage units with residential units to the west of the site.

The surrounding area sloped towards the River Arun to the south; the ground level on site was essentially level, with the northern end approximately two meters below the adjacent ground level.

Anecdotal information provided by the onsite contact indicated that a below ground petrol tank was present within the southern end of the site; a cover to the tank was observed but could not be lifted during the site walkover, and the contact confirmed that the tank had not been used in over fifty years. The contact also confirmed that an above ground diesel tank was located within the middle of the site but had been removed approximately five years ago, however, an interceptor associated with the tank was still present below ground.

Furthermore the contact indicated that a series of wells were located inside the eastern site boundary beneath the location of the current derelict sheds. The contact detailed that the wells had been backfilled and capped around fifty years ago.

2.2 Geology

British Geological Survey 1:50,000 sheet number 317/332 entitled "Chichester and Bognor" indicated the geology of the site to comprise the following succession:

Area of the site	Unit	Details
North western half of the site	Spetisbury Chalk	Firm white chalk with regular large flint seams,
South eastern half of the site	Raised Marine Deposits	Variable lithology. Gravel (shingle), sand, silt and clay; commonly charged with organic debris (plant and shell); now above the level of the present shoreline as a result of earth movement or a general fall in sea level.
	Spetisbury Chalk	Firm white chalk with regular large flint seams,

Published Geological Succession

BGS records showed three historic boreholes to the east of the site (BGS Borehole Ref. TQ00NW1, NW2 and NW67). The records indicated that the underlying geology comprises a thickness of around 5.9m to 11.5m of Raised Marine Deposits (comprising of layers of Marsh clay – sandy clay (blue, brown) overlying sand and gravel) overlying at least 8.5m of Marl and Chalk. No groundwater was detailed as being encountered during the drilling of these boreholes.

2.3 Hydrogeology

The Envirocheck report indicates the site to overlie a Major Aquifer. Under the new classification system, this is likely to be a Principal Aquifer. The site does not lie within a groundwater Source Protection Zone. The soils at the site have been detailed as having a high vulnerability classification.

Groundwater was likely to be encountered at shallow depths within the Raised Marine Deposits; groundwater flow was anticipated to be towards the south-east, at a shallow hydraulic gradient.

2.4 Hydrology

No surface water features were identified on the site itself. The River Arun was noted approximately 25m to the south.

The site was not located within an area susceptible to flooding as it benefits from a series of flood defences to the north of the River Arun. The area to the south of the river was detailed as being susceptible to flooding.

2.5 Sensitive Land Uses

A search was made of environmentally sensitive areas, including areas of green belt, scenic or natural beauty, parks, reserves, nitrate zones, or protected conservation and scientific areas. No such sensitive land uses were identified within a 250m radius of the site. The site was detailed as

being located around 178m to the south west of the South Downs which are classified as being an Environmentally Sensitive Area and also a National Park. The site also lies within an area classified as being a Nitrate Vulnerable Zone.

2.6 Industrial Land Uses

Searches of various databases were made as part of the desk study to identify industrial land uses within 250m of the site, such as IPPC registered sites, COMAH sites, fuel station entries, etc. No such uses were identified within 250m of the site.

No contemporary trade directory records were identified on site. Whilst a number of contemporary trade directory records were identified off site within 250m, the type, distance, and nature of intervening geology, were such that these were not considered to be significant in terms of the site or the proposed redevelopment.

2.7 Radon Gas

The site lies within a HPA lower probability radon area with less than 1% of homes above the action level. BGS data confirms that no radon protective measures are necessary in the construction of new dwellings or extensions at the site.

2.8 Land Gases

No active or historic landfill sites were identified in the vicinity. However, a landfill site was identified some distance to the south west, at Fagins Den. However, there were no details relating to the type of waste received or to the dates of operation. This facility was unlikely to be significant in terms of the site and the proposed redevelopment.

With respect to section 2.2, Raised Marine Deposits was anticipated to be present on site; the organic materials within this stratum may comprise a source of land gases (Carbon Dioxide, methane, depleted Oxygen). The underlying Chalk may also be a source of Carbon Dioxide, however, this was unlikely to be significant.

Other onsite sources of Land Gases (including hydrocarbons, VOCs and carbon dioxide) were identified during the site walkover.

2.9 Pollution Incidents to controlled waters

No pollution incidents to controlled waters were identified onsite or within the immediate vicinity of the site.

A pollution incident to controlled waters was identified some distance to the east of the site, which detailed as being a Category 3 / minor incident relating to crude sewage discharge into the River Arun. The type, distance, and age of the incident, were such that these were not considered to be significant in terms of the site or the proposed redevelopment.

2.10 Historical Maps

Historical maps dating back to 1876 were obtained as part of the desk study by Land Science, and a summary of the key features is presented on the table below.

Date	On Site	Off Site
1876	The north eastern half of the site was detailed as being Eagle Brewery with the remainder of the site being occupied by terraced housing.	The site was located within an area of between the River Arun and the centre of Arundel that was already shown to have been developed with both residential and commercial buildings. A ship yard was located around 30m to the south. Two un-named roads border the site to the south and east with residential dwellings to the west and possible commercial buildings to the north.
1897	No significant changes are noted.	The road to the east was detailed as being Brewery Mill with the road to the south detailed as Ship Yard. A timber yard was located around 10m to the east. The ship yard located around 30m to the south was no longer present.
1912	The brewery has expanded to cover the whole of the site and the building outline appears to be commensurate with the present day.	The timber yard located around 10m to the east was detailed as being a saw mills.
1937	No significant changes are noted.	No significant changes are noted.
1971-74	The site was detailed as being a Warehouse. A building located within the north eastern corner of the site was no longer present, this area appears commensurate with the raised concrete slab identified within this part of the site during the walkover.	The saw mills located around 10m to the east have been redeveloped as a Works. The row of terraced housing located adjacent to the south west has been redeveloped as a row of garage units. A slipway had been constructed around 30m to the south east.
1977	No significant changes are noted.	No significant changes are noted.
1979-80	No significant changes are noted.	The slipway located around 30m to the south east was shown to contain tanks.
1988-89	No significant changes are noted.	No significant changes are noted.
1994	No significant changes are noted.	Malthouse cottage has been built adjacent to the north eastern corner. The Slipway and tanks to the south east are no longer present and the area has been developed as residential dwellings.

Summary of Historical Map extracts

In summary, initially the north eastern end of the site was occupied by Eagle Brewery with the remainder of the site containing residential dwellings in 1876. By 1912 the brewery had expanded to cover the whole site with the building outlines broadly commensurate with the present day. Between 1970 and 1994 the buildings were detailed as being a Warehouse.

No visual evidence of bomb damage was noted within the north eastern part of the site during the site walkover where the building identified in 1937 was located suggesting that it was not destroyed by bombing raids during the Second World War.

2.11 Additional Historical Research

Worthing Local Archives were visited in order to review further historical land use information for the site and the local area. The research included the inspection of trade and telephone directories dating back to 1840, a review of a historic tithe map dated 1841 and a book on Inns and Taverns of Old Arundel.

These records indicated that a brewery was located at the site between 1785 and 1935. A historic map of Arundel dated 1785 details that the western half of the site may have formed the eastern part of a large orchard, the remainder of the site contained a possible commercial building, however, the actual usage was not detailed. Adjacent to the north eastern corner of the site was a Malt / brew house.

2.12 Previous Ground Investigations

Land Science (Brighton) Ltd has not been made aware of any previous investigation that may have been undertaken on the site.

2.13 Industrial Profiles

A brewery was located at the site between 1795 and 1932. No specific DoE Industrial Profile exists for brewing, however, the basic process is described below with raw materials including: water, yeast, a source of starch (barley) and flavouring e.g. hops.

The brewing process begins with malting where the barley grains are soaked in water, then spread out to allow germination and finally dried out. Once dried the grains are then milled to separate the different parts of the grain. The milled grain is then added to hot water and mashed; naturally occurring enzymes then break down the starches into sugars. The resultant product (a sugar rich liquid called 'wort') is then strained (Lautering) and boiled with hops or other added ingredients.

Once the mixture has been boiled it is allowed to settle out (with the resultant solids removed) then cooled prior to the addition of the yeast. The mixture is then placed in fermentation tanks to allow the sugars to be converted into alcohol. Following fermentation the beer is placed into conditioning tanks from between weeks to months to allow the flavours to develop. Once

developed if they require the beers are then filtered to help stabilise its flavour prior to being placed into casks or bottles.

The waste products associated with the brewery may include waste water which may have been disposed of into the nearby River Arun, carbon dioxide and the solid waste ("brewer's grain") produced during filtration which may have been sold to local farmers as animal feed.

A former below ground petrol tank associated with the brewery was identified during the site walkover with in the southern half of the site. It is considered that the use and storage of fuels would be the main source of potential contamination associated with the former brewery.

Since the middle of the twentieth century the site has been the location of a small distribution centre. The following table reproduces the tables of contaminants and their probable locations given in the former DoE Industrial Profile for Road Vehicle fuelling, service and repair - Transport and Haulage Centres.

Contaminant		Location			
Main group	Sub-group	Fuelling areas	Workshops	Vehicle washing areas	Paint shops
Metals and their compounds	Lead	◊	◊		◊
	Chromium		◊		◊
	Zinc		◊		◊
	Copper		◊		
	Vanadium		◊		
Acids/alkalis			◊	◊	
Asbestos			◊		
Organic compounds	Non-halogenated solvents		◊		◊
	Halogenated solvents		◊		◊
	PAHs		◊		
	Fuels/hydrocarbons	◊	◊	◊	
	Ethylene glycol		◊		
	Polymerised glycol and ethers		◊		
	Detergents			◊	

DoE Profile for Road vehicle fuelling, service and repair: transport and haulage centres

◊ - Indicate areas where contamination is most likely to occur.

2.14 Petroleum Officer Enquiries

An enquiry has been submitted to the Trading Standards at West Sussex County Council in regards to the possible location of buried tanks at the site, Land Science are currently awaiting the results of the enquiry at the time of finalising this report.

3.0 CONCEPTUAL SITE MODEL

3.1 General

Possible risks associated with potential contamination have been assessed following a source-pathway-receptor ('SPR') approach. A risk may only exist where a plausible SPR linkage is present, and where the quantity or concentration of a contaminant is sufficient so as to pose harm. The identification of potential sources, receptors, and plausible pathways in the following sections together forms a preliminary Conceptual Site Model ('CSM').

3.2 Potential Sources

A number of possible sources of contamination have been identified, as summarised below. The medium in which resultant contamination might exist is noted, i.e. soil phase (S), water phase (W) or gas/vapour phase (G).

Source	Description	Notes	S	W	G
Made Ground / Fill.	General background chemical quality of any imported Made Ground materials.	Possible elevated metals, non-metals, and organic contaminants. Possible generation of common land gases (Carbon Dioxide, Methane, and depleted Oxygen).	Y	Y	Y
Historic use of the site as a brewery	A brewery was based at the site between around 1785 to 1932.	A wide range of contaminants may be associated with a brewery including elevated metals, non-metals, and organic contaminants, ethanol, methanol, ammonia, storage and use of fuels and oils. A former buried petrol tank associated with the former brewery was present within the southern part of the site.	Y	Y	Y
Historic use of the site as a small haulage / distribution depot	A small scale kitchenware haulage / distribution centre had been located at the site for the last fifty years.	A wide range of contaminants may be associated with haulage / distribution centres, including metals, inorganics, solvents, fuel storage and use, oil water interceptors and soakaways. An above ground diesel tank associated with the distribution centre was removed from the site around five years ago; however an associated oil water interceptor was understood to still be present.	Y	Y	Y
Natural soils	Underlying Alluvial and chalk soils	Possible elevated carbon dioxide and methane			Y

Possible sources of possible soil contaminants

3.3 Identified Receptors

Potential receptors associated with the site and its redevelopment, identified or otherwise discounted, are summarised on the following table:

Receptor	Description	Sensitivity
Site Workers	Persons involved in construction and future maintenance. Ground works are proposed including foundation excavations.	Moderate
End Users	Occupants of the proposed residential redevelopment.	High
Adjacent land users	Residential dwellings were noted adjacent to the site	Moderate
Soft Landscaping	Areas of planting including lawns, shrubs, trees, etc.	Moderate
Building Materials	Built elements in contact with the ground; buried plastics (e.g. water supplies) and concrete (e.g. foundations).	High
Controlled Waters	The site is underlain by a Major Aquifer and the River Arun is located around 25m to the south of the site.	High

Possible Receptors of Contamination

Statutory ecological receptors as green belt or protected natural areas have not been identified as potential receptors in the vicinity of the site.

3.4 Associated Pathways

Based on the identified receptors, the following pathways have been evaluated in this assessment.

Controlled Waters	
• Leaching into pore water	• Diffusion and dispersal into groundwater
• Downward migration	• Lateral migration and dispersal
Human Health	
• Ingestion of soil and dust	• Inhalation of dust, gases and vapours
• Dermal contact with soil and dust	• Consumption of home-grown produce
• Ignition (fire, explosion)	• Inhalation of gases (asphyxiation)
Building materials	
• Chemical attack	

Identified Pathways

3.5 Source-Pathway-Receptor Linkages

Whilst the various possible sources and receptors have been identified, the following matrix illustrates the identified pathways by which a contaminant linkage might plausibly exist:

		Sources		
		Soils	Waters	Gases / Vapours
Receptors	Site Workers	Ingestion, dermal contact, inhalation	None [1]	Inhalation, ignition
	End Users	Ingestion, dermal contact, inhalation	None [1]	Inhalation, ignition
	Building Materials	Chemical attack	Chemical attack	Chemical attack by VOC vapours
	Soft landscaping	Plant uptake	Plant uptake	Plant uptake
	Adjacent Land Users	None [1]	None [1]	Lateral migration, inhalation, ignition [2]
	Ground Water	Leaching, downward migration, lateral migration	Lateral migration	None

Identified Source-Pathway-Receptor linkages

- [1] The depth to the water table was such that direct contact between site workers, end users, soft landscaping, adjacent land users, and groundwater was unlikely.
- [2] Arising from on-site sources (e.g tanks, filled ground etc) not from chalk or alluvial materials.

4.0 CONCLUSIONS

4.1 Summary

The conceptual site model identified a number of source-pathway-receptor linkages, which will need to be evaluated by means of intrusive ground investigation, namely:

- Exposure by site workers to contaminants in soil (during any demolition and ground works) and gases/vapours (especially in confined spaces such as deep excavations).
- Exposure by end users to contaminants in soils and gases/vapours.
- Chemical attack on building materials including buried pipework and concrete by soil and organic vapours.
- Plant uptake of contaminants within soft landscaping areas.
- Lateral migration of gases and vapours onto neighbouring properties.
- The leaching-out of contaminants in soils into the water table, and off-site migration.

4.2 Proposed Investigation Strategy

Based on the above, the following scope of investigation is proposed:

- Drilling of window sampler boreholes, to provide shallower soils information including any Made Ground and any field evidence of contamination into the underlying soils.
- The positions are targeted to specific areas of concern as identified, including adjacent to former tanks, interceptors, existing drainage runs, areas of anticipated made ground and sensitive areas such as proposed gardens and locations of mass excavations.
- Samples of any Made Ground should be collected for laboratory analysis at approximate 1m centres (including materials bearing field evidence of contamination). The main suite of analysis is identified below.
- All samples should be screened for VOC's in headspace using a photo-ionisation detector (PID). Where evidence of VOC's is recorded, a selection of samples should be submitted for speciated VOC and SVOC analysis.
- Gas and water monitoring standpipes should be installed including the area down gradient of the positions of the former tanks. An initial six monitoring visits should be undertaken over a period of two months, in accordance with CIRIA C665, and include periods of differing climatic and atmospheric pressure conditions.
- Where encountered, water samples should be collected from the monitoring standpipes for laboratory analysis including a similar suite of contaminants.

The analytical suite, based on the known site history, should include;

- General parameters: Acidity (pH), fraction of organic carbon.
- Metals; Arsenic, Cadmium, Chromium (total), Lead, Mercury, Selenium, Boron, Copper, Nickel and Zinc.
- Non-metals; water soluble Sulphate, Sulphide.
- Organic compounds; Monohydric Phenols, Speciated PAH (EPA16).

-
- Speciated TPH, VOC's and SVOC's to be considered where evidence of hydrocarbons is encountered.
 - Visual asbestos screening of all Made Ground samples. Where possible asbestos fibres or ACMs are identified, these should be examined under a microscope to determine type.

Further boreholes may be required, additional samples analysed or additional determinands added to the analysis, as appropriate, based on any field evidence of possible contamination encountered.

Based on the above, the cost for ground investigation by a reputable Consultancy with proper insurance coverage and quality control practices is estimated to be in the order of £4,000 to £5,000 ex VAT.

Works associated with investigating and treating contaminated land may qualify for tax relief under the Land Remediation Relief scheme, whereby 150% of the costs may be recovered via a corporation tax credit. It is the current owners might not be able to directly benefit from this, but the scheme may influence the value of the land if sold onto a developer or the like.

It may be possible to combine the environmental investigation with further boreholes and testing for geotechnical purposes.

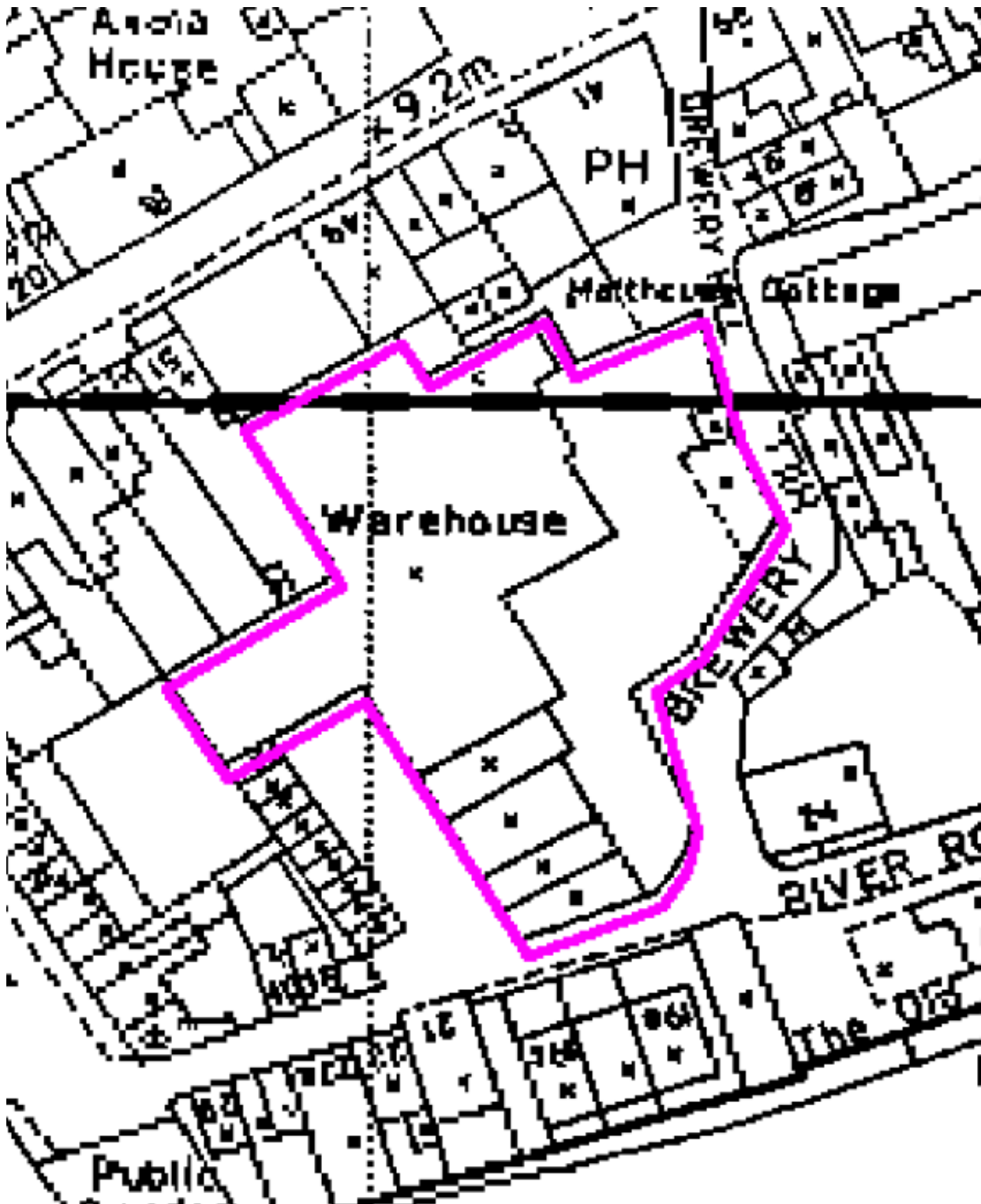
GLOSSARY

BGS	British Geological Survey
BH	Borehole
BRE	Building Research Establishment
BSI	British Standards Institute
CBR	California Bearing Ratio
CDM	Construction Design and Management regulations
CFA	Continual Flight Auger
CIRIA	Construction Industry Research and Information Association
CLEA	Contaminated Land Exposure Assessment model
CLR	Contaminated Land Remediation report
COSHH	Control of Substances Hazardous to Human Health regulations
COMAH	Control of Major Accident Hazards regulations
CSM	Conceptual Site Model
DEFRA	Department for Environment, Food and Rural Affairs
DETR	Department for Environment, Transport and the Regions
DQRA	Detailed Quantitative Risk Assessment
DP	Dynamic Probe
EA	Environment Agency
EQS	Environmental Quality Standards
F.O.C	Fraction of Organic Carbon (used in environmental risk assessments in partitioning contaminants between soil organic matter and other phases)
GAC	Generic Assessment Criterion (a comparative concentration set for screening and assessing soil contamination based on standard exposure parameters)
GQRA	Generic Quantitative Risk Assessment (a preliminary assessment of risk from soil contamination using GAC)
Hot-spot	A distinct zone of elevated results in soil, gas or groundwater
HPA	Health Protection Agency
HSE	Health and Safety Executive
ICRCL	Inter-departmental Committee for the Redevelopment of Contaminated Land
IPC	Integrated Pollution Control
IPPC	Integrated Pollution Prevention and Control
NHBC	National House Building Council
NIHHS	Notification of Installations Handling Hazardous Substances
PAH's	Polycyclic Aromatic Hydrocarbons
PBET	Physiological Based Extraction Testing
PQRA	Preliminary Quantitative Risk Assessment

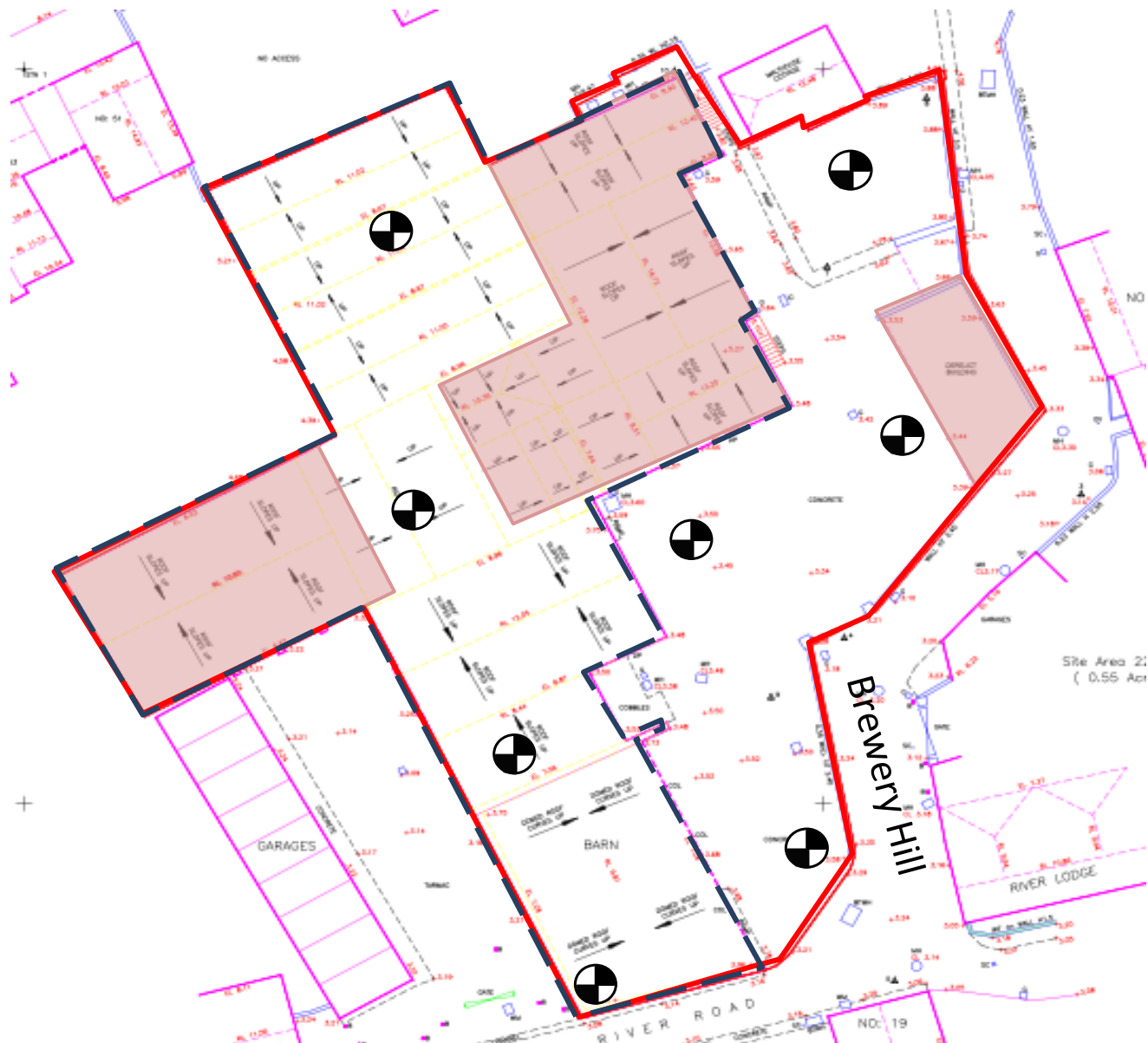
QRA	Quantitative Risk Assessment
SGV	Soil Guideline Value (a GAC calculated b the Environment Agency using the CLEA model)
SOM	Soil Organic Matter (a measure of organic compounds within soil, used in risk assessments)
SPZ	Source Protection Zone (an area placed around a groundwater abstraction borehole of potable quality to protect quality)
SPT	Standard Penetration Test (either a cone or split-spoon driven by a hammer of set weight and dropped a set distance used as a gauge of the density or consistency of soils)
ST-WEL	Short Term Workplace Exposure Limit (a maximum acceptable concentration of a contaminant in air for commercial premises)
SVOC's	Semi-Volatile Organic Compounds
TP	Trial Pit (an excavation made to investigate near surface ground and groundwater conditions, usually undertaken by machine)
TPH	Total Petroleum Hydrocarbons (a bulk measure of all organic compounds usually with equivalent carbon numbers of c10 to c40, some times sub-divided into aromatic and aliphatic species and differing groups of equivalent carbon numbers)
TRRL	Transport Road Research Laboratory
TT	Trial Trench (an elongate excavation usually across a specific feature or area to investigate near surface ground and groundwater conditions)
TWA-WEL	Time Weighted Average Workplace Exposure Limit (an acceptable concentration of a contaminant in air for commercial premises based on average exposure over 8 hours)
VOC's	Volatile Organic Compounds
WAC	Waste Acceptance Criteria (a series of threshold concentrations defining wastes as Inert, Hazardous or Non-Hazardous)
WRAS	Water Regulations Advisory Scheme
WS	Window Sampler (a low-impact drilling technique involving 1m long small diameter tubes driven into the ground)



TITLE: Site Location			REF: LS0550
PROJECT: Bevin & Bevin, Brewery Hill, Arundel, BN18 9DH			VERSION v1
CLIENT: T Holister (Chertsey) Ltd			FIGURE: 1
PREPARED: MR	CHECK: ET	DATE: 05/07/2012	SHEET No: page: 1 of 1



TITLE: Site Layout Plan			REF: LS 0550
PROJECT: Bevin & Bevin, Brewery Hill, Arundel, BN18 9DH			VERSION v1
CLIENT: T Holister (Chertsey) Ltd			FIGURE: 1
PREPARED: ET	CHECK: ET	DATE: 26/06/2012	SHEET No: page: 1 of 1



 Proposed exploratory position - subject to confirmation of proposed development layout (depending on access and head room)

 Very low headroom / unsafe structures - unable to locate any exploratory positions in these areas

TITLE: Site Layout Plan			REF: LS 0550
PROJECT: Bevin & Bevin, Brewery Hill, Arundel, BN18 9DH			VERSION v1
CLIENT: T Holister (Chertsey) Ltd			FIGURE: 3
PREPARED: MR	CHECK: ET	DATE: 07/07/2012	SHEET No: page: 1 of 1

APPENDIX A

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

	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	507 	Altitude at Trig. Station
<i>B.M. 325-9</i> 	Bench Mark	342 +	Surface Level
	Arrow denotes flow of water		Antiquities (site of)

Cutting

Embankment

Railway crossing Road

Level Crossing

Road crossing Railway

Railway crossing River or Canal

Road over single stream

Road over River or Canal

— — — — —	County Boundary (Geographical)
- . - . - .	County & Civil Parish Boundary
+ . + . + .	Administrative County & Civil Parish Boundary
— — — — —	County Borough Boundary (England)
Co. Boro. Bdy.	
— — — — —	County Burgh Boundary (Scotland)
Co. Burgh Bdy.	

<i>B.P.B.S.</i>	Boundary Post or Stone	<i>P.C.B.</i>	Police Call Box
<i>B.R.</i>	Bridle Road	<i>P.</i>	Pump
<i>E.P.</i>	Electricity Pylon	<i>S.P.</i>	Signal Post
<i>F.B.</i>	Foot Bridge	<i>Sl.</i>	Sluice
<i>F.P.</i>	Foot Path	<i>Sp.</i>	Spring
<i>G.P.</i>	Guide Post or Board	<i>T.C.B.</i>	Telephone Call Box
<i>M.S.</i>	Mile Stone	<i>Tr.</i>	Trough
<i>M.P.M.R.</i>	Mooring Post or Ring	<i>W.</i>	Well

	or		Inactive Quarry, Chalk Pit or Clay Pit		Active Quarry, Chalk Pit or Clay Pit
			Rock		Boulders
			Cliff		
				Top	
					Top
			Roofed Building		
					Glazed Roof Building
			Sloping Masonry		
Top					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 merging 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	Wd	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Slopes		Top	
	Cliff		Rock
	Boulders		Rock (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		Culvert

	Direction of water flow		Triangulation Station		Antiquity (site of)
	Electricity Transmission Line		Electricity Pylon		
	BM 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
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El 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



Mapping Type	Scale	Date	Pg
Sussex	1:2,500	1876	2
Sussex	1:2,500	1897	3
Sussex	1:2,500	1912	4
Sussex	1:2,500	1937	5
Ordnance Survey Plan	1:2,500	1971 - 1973	6
Supply of Unpublished Survey Information	1:2,500	1973 - 1974	7
Supply of Unpublished Survey Information	1:2,500	1974	8
Supply of Unpublished Survey Information	1:2,500	1976	9
Additional SIMs	1:2,500	1977 - 1989	10
Ordnance Survey Plan	1:2,500	1979 - 1980	11
Additional SIMs	1:2,500	1988 - 1989	12
Additional SIMs	1:2,500	1991	13
Large-Scale National Grid Data	1:2,500	1994	14

A 5x5 grid of cells labeled A1 to A25. The cells are arranged in rows and columns. Cell A13 is highlighted with a thick black border and a purple circle.



Order Number:	39904393_1_1
Customer Ref:	LS 0550
National Grid Reference:	501710, 106980
Slice:	A
Site Area (Ha):	0.22
Search Buffer (m):	100

Bevin Bevin & Co Ltd, River Road, ARUNDEL, West Sussex,
BN18 9DH



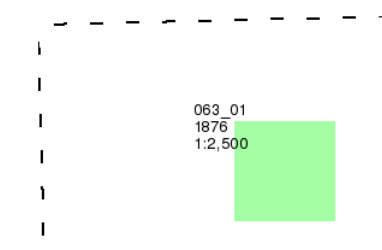
Sussex

Published 1876

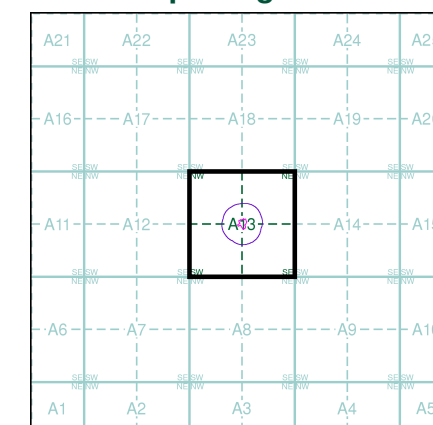
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

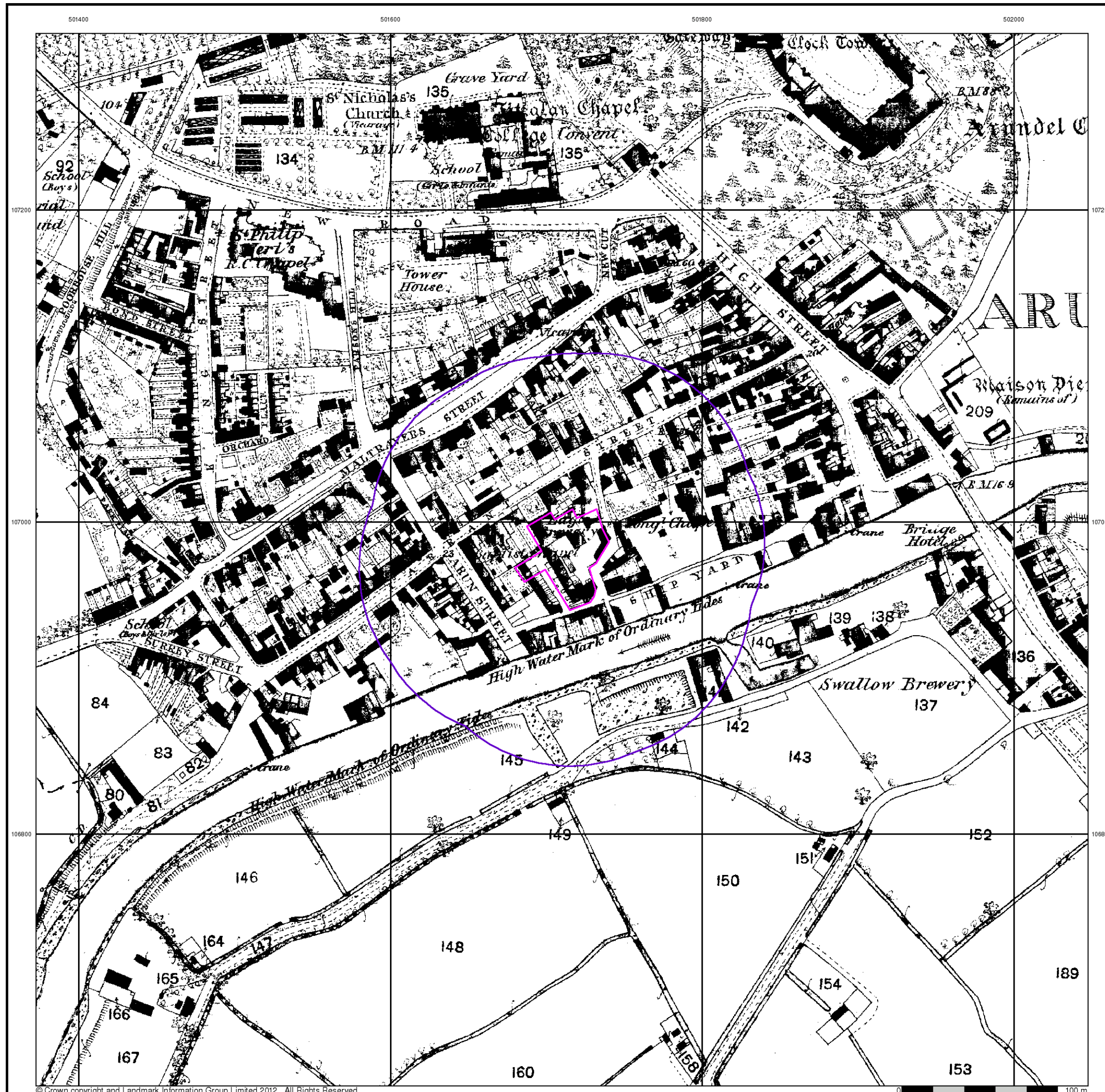


Order Details

Order Number: 39904393_1_1
 Customer Ref: LS 0550
 National Grid Reference: 501710, 106980
 Slice: A
 Site Area (Ha): 0.22
 Search Buffer (m): 100

Site Details

Bevin Bevin & Co Ltd, River Road, ARUNDEL, West Sussex, BN18 9DH



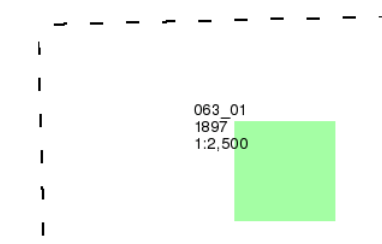
Sussex

Published 1897

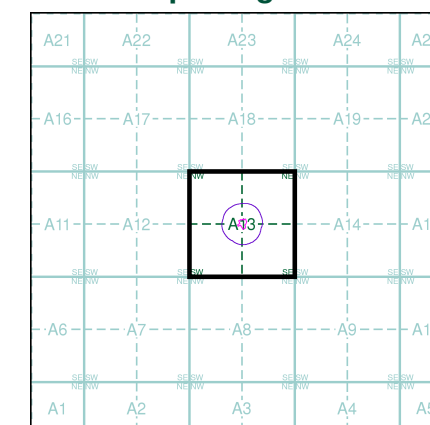
Source map scale - 1:2,500

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

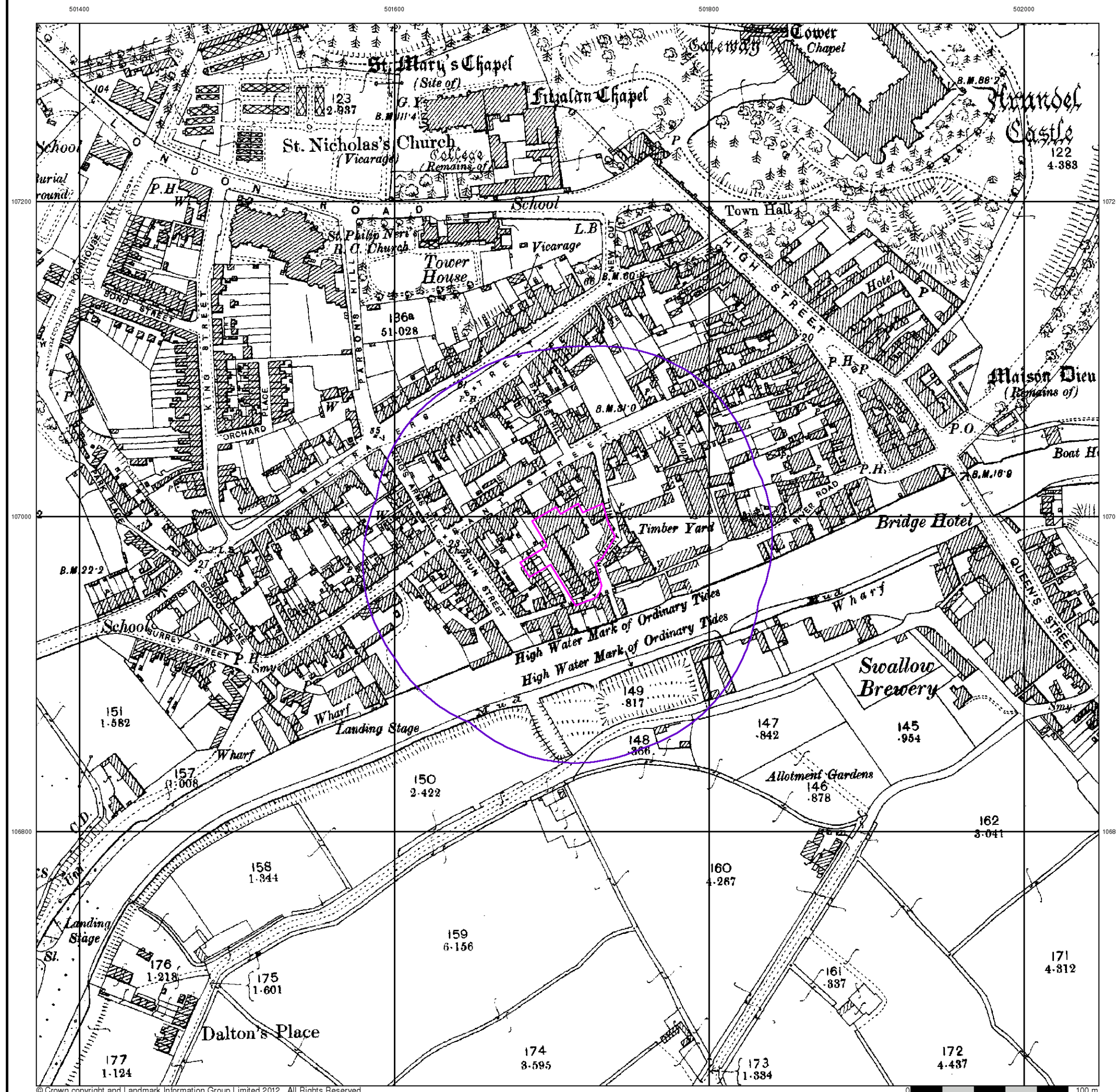


Order Details

Order Number: 39904393_1_1
Customer Ref: LS 0550
National Grid Reference: 501710, 106980
Slice: A
Site Area (Ha): 0.22
Search Buffer (m): 100

Site Details

Bevin Bevin & Co Ltd, River Road, ARUNDEL, West Sussex, BN18 9DH



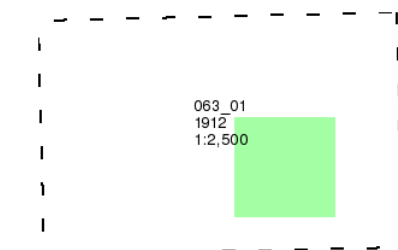
Sussex

Published 1912

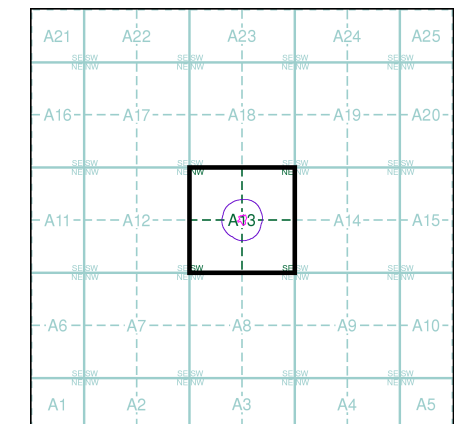
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

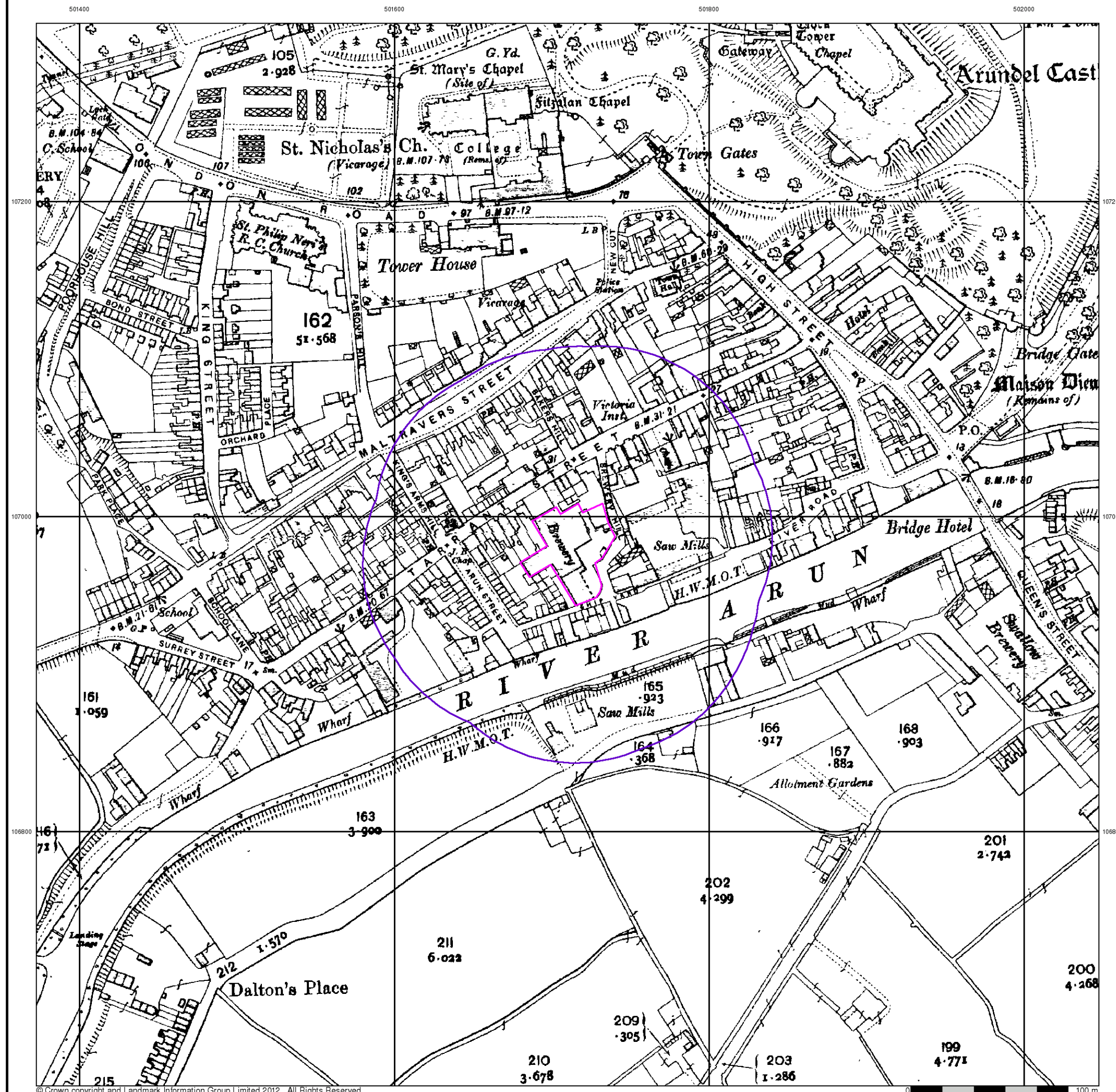


Order Details

Order Number: 39904393_1_1
Customer Ref: LS 0550
National Grid Reference: 501710, 106980
Slice: A
Site Area (Ha): 0.22
Search Buffer (m): 100

Site Details

Bevin Bevin & Co Ltd, River Road, ARUNDEL, West Sussex, BN18 9DH



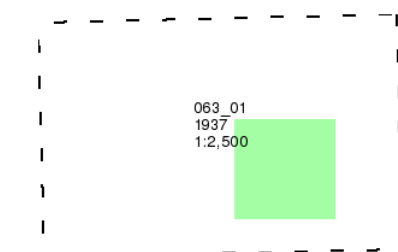
Sussex

Published 1937

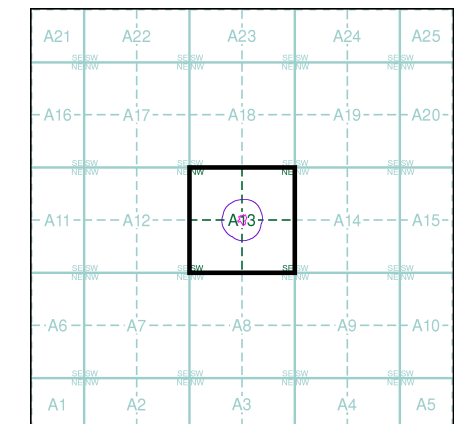
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

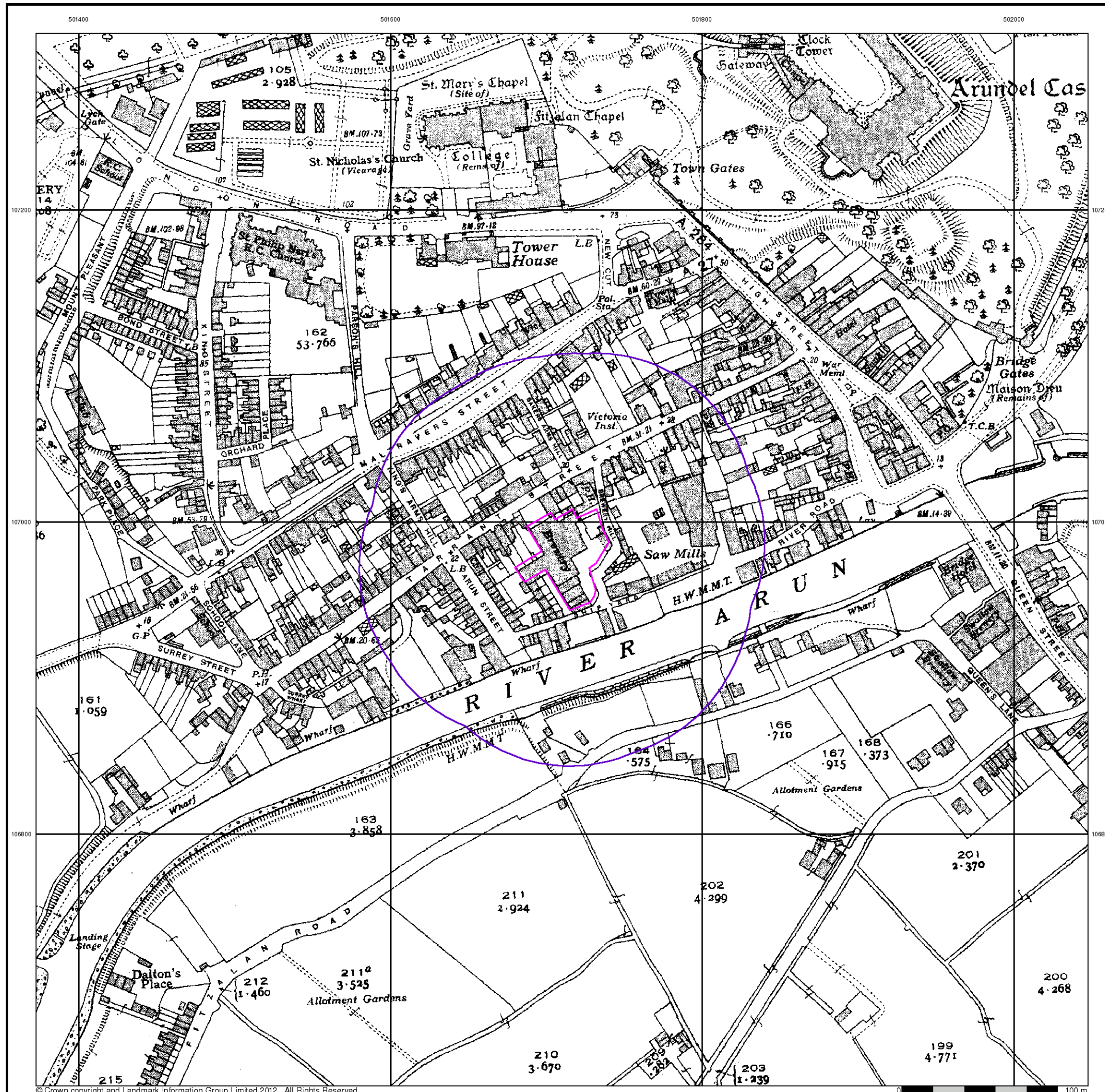


Order Details

Order Number: 39904393_1_1
Customer Ref: LS 0550
National Grid Reference: 501710, 106980
Slice: A
Site Area (Ha): 0.22
Search Buffer (m): 100

Site Details

Bevin Bevin & Co Ltd, River Road, ARUNDEL, West Sussex, BN18 9DH



Ordnance Survey Plan

Published 1971 - 1973

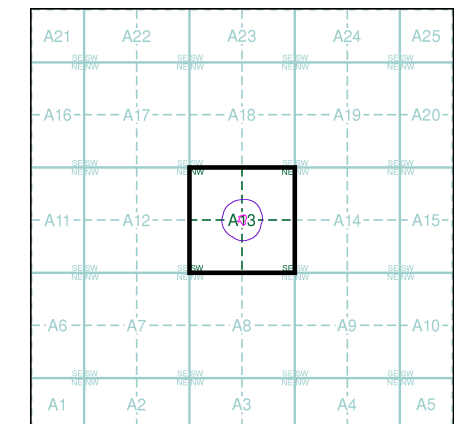
Source map scale - 1:2,500

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)

TQ0107 1971 12,500	TQ0207 1972 12,500
TQ0106 1971 12,500	TQ0206 1973 12,500

Historical Map - Segment A13

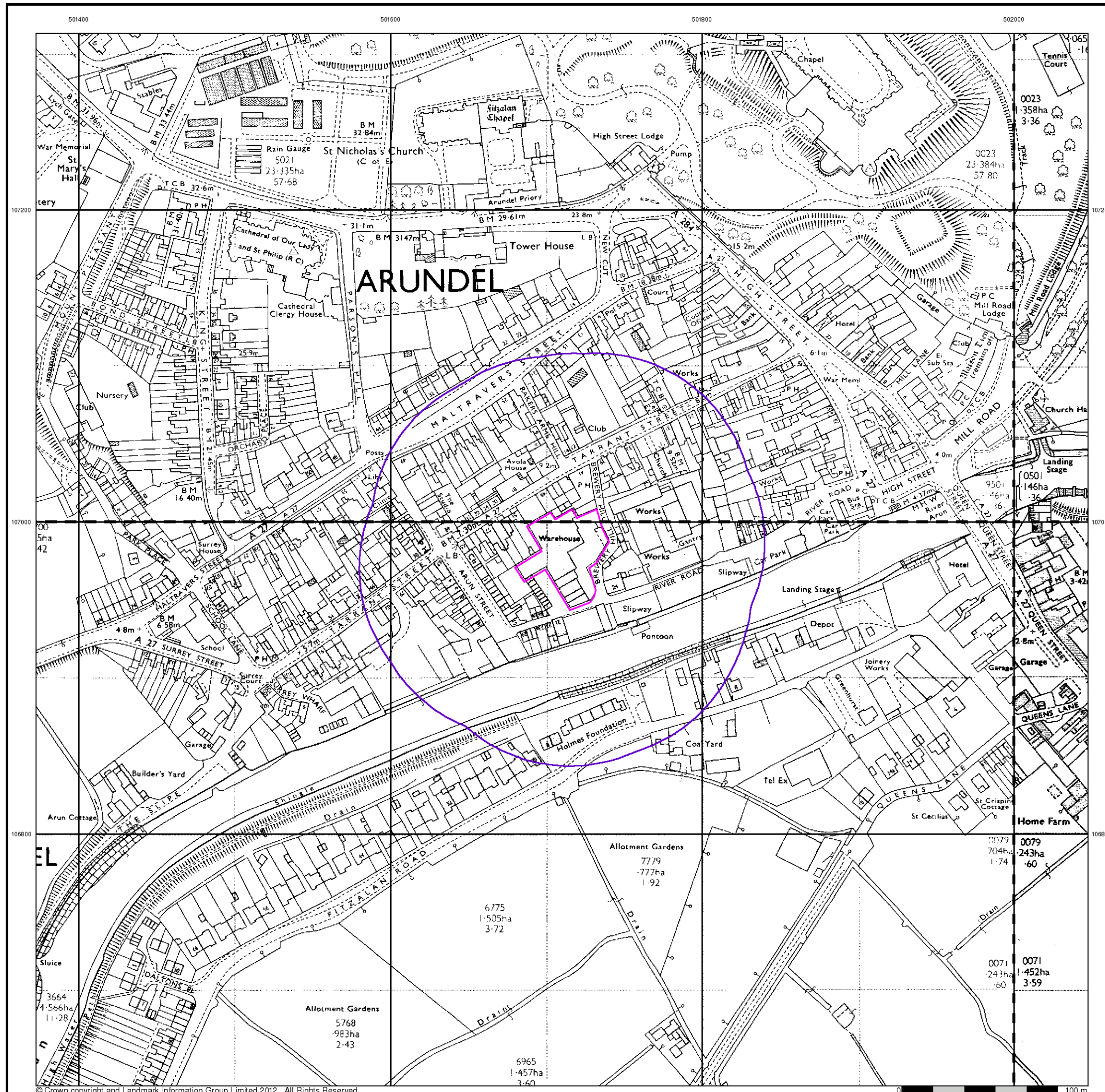


Order Details

Order Number: 39904393_1_1
 Customer Ref: LS 0550
 National Grid Reference: 501710, 106980
 Slice: A
 Site Area (Ha): 0.22
 Search Buffer (m): 100

Site Details

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Supply of Unpublished Survey Information

Published 1973 - 1974

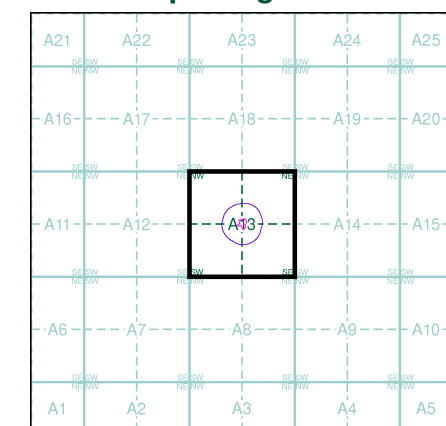
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TQ0107 1973 1:2,500	TQ0207 1974 1:2,500
TQ0106 1973 1:2,500	TQ0206 1973 1:2,500

Historical Map - Segment A13

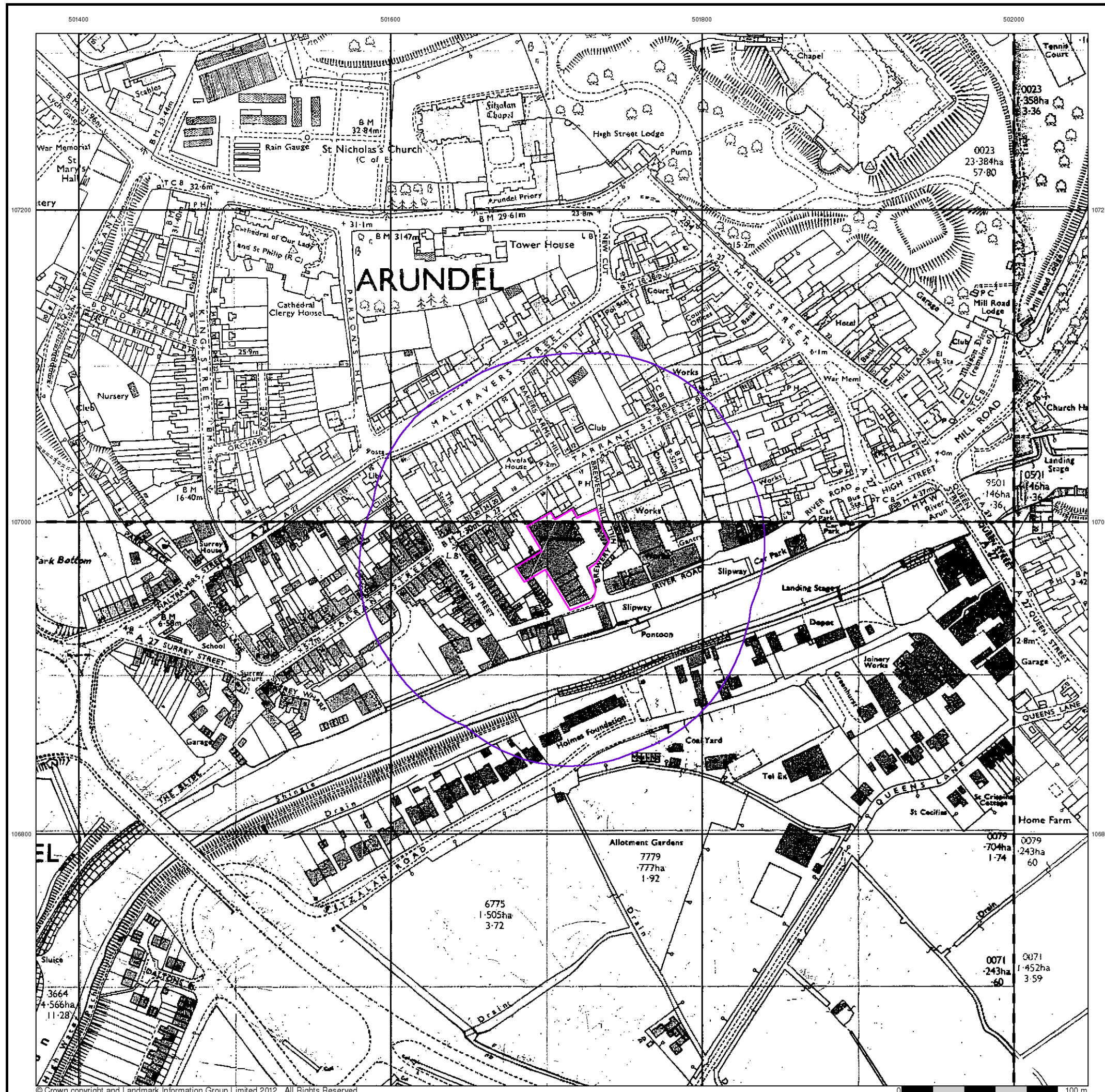


Order Details

Order Number: 39904393_1_1
 Customer Ref: LS 0550
 National Grid Reference: 501710, 106980
 Slice: A
 Site Area (Ha): 0.22
 Search Buffer (m): 100

Site Details

Bevin Bevin & Co Ltd, River Road, ARUNDEL, West Sussex, BN18 9DH



Supply of Unpublished Survey Information

Published 1974

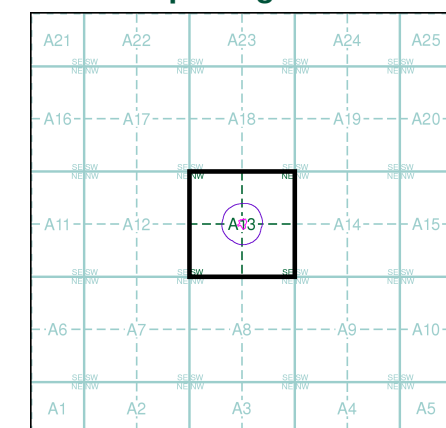
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TQ0107	1974	1:2,500
TQ0106	1974	1:2,500
TQ0206	1974	1:2,500

Historical Map - Segment A13

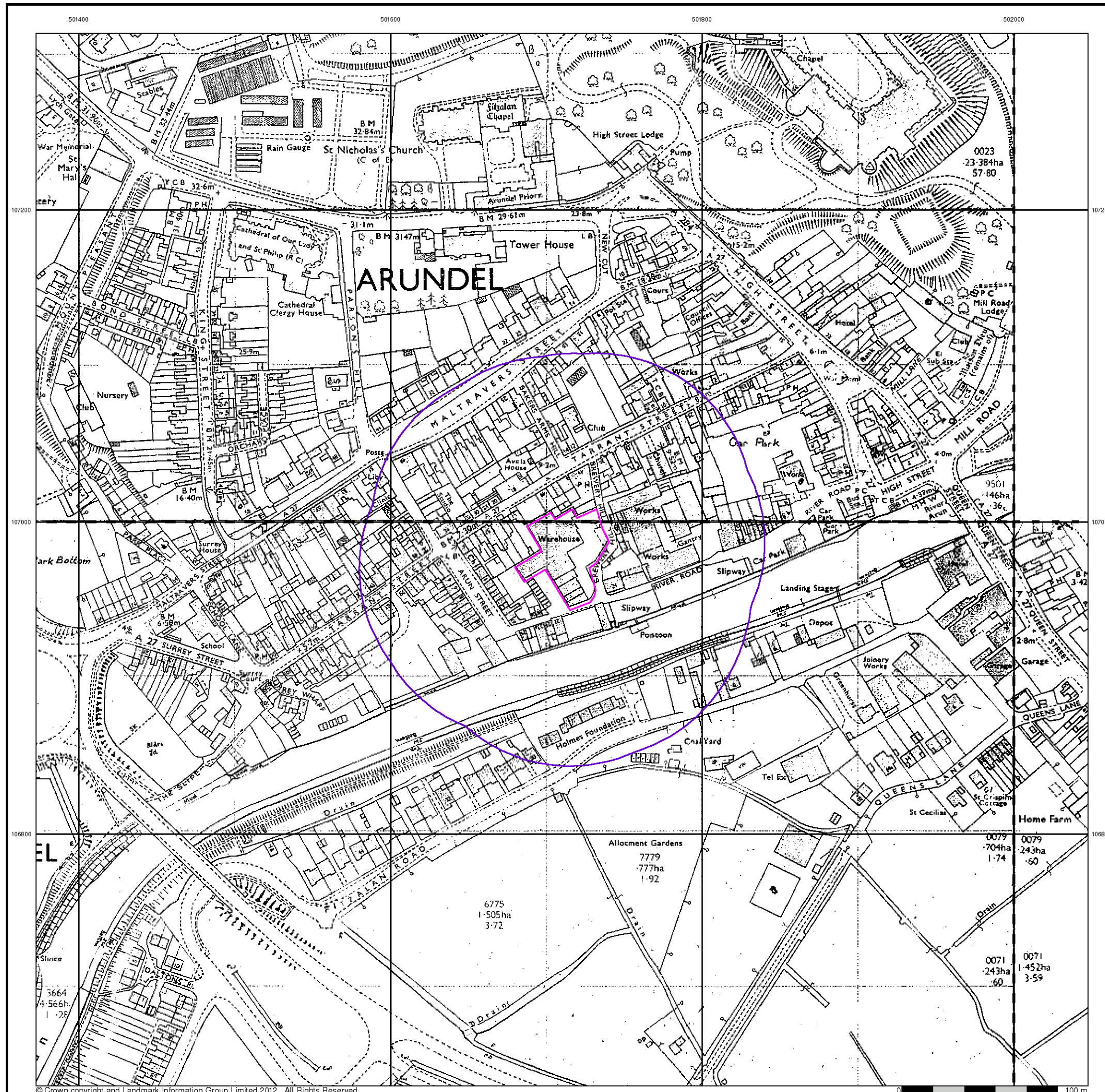


Order Details

Order Number: 39904393_1_1
 Customer Ref: LS 0550
 National Grid Reference: 501710, 106980
 Slice: A
 Site Area (Ha): 0.22
 Search Buffer (m): 100

Site Details

Bevin Bevin & Co Ltd, River Road, ARUNDEL, West Sussex, BN18 9DH



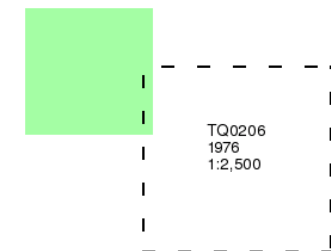
Supply of Unpublished Survey Information

Published 1976

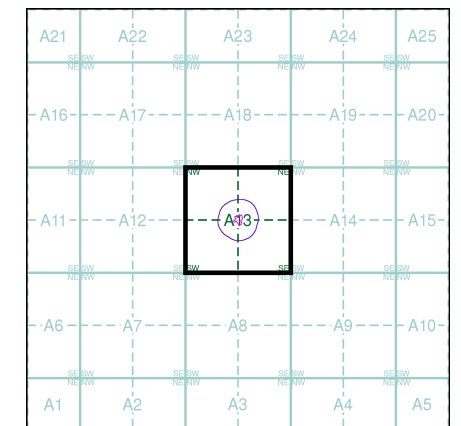
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

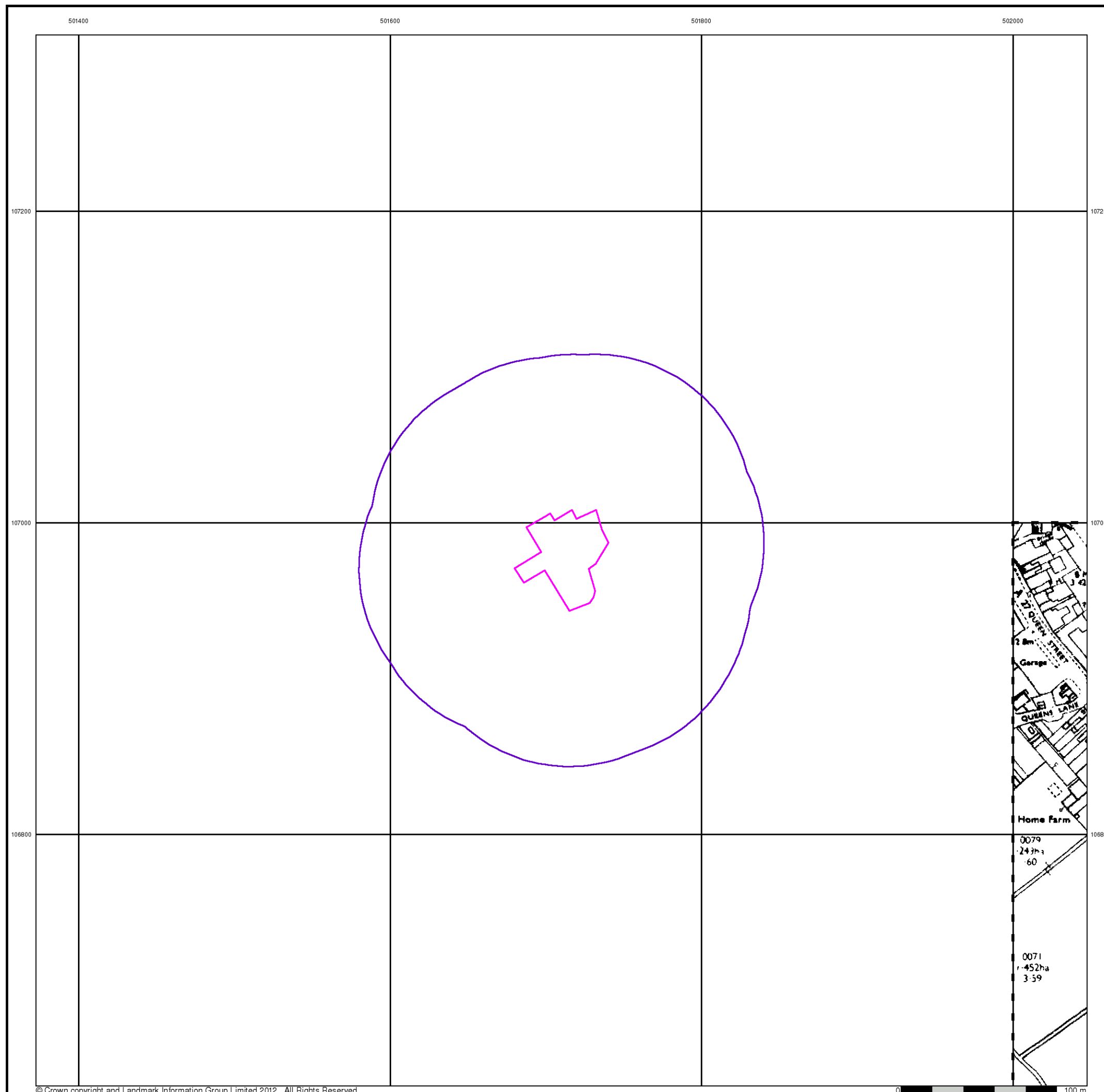


Order Details

Order Number: 39904393_1_1
Customer Ref: LS 0550
National Grid Reference: 501710, 106980
Slice: A
Site Area (Ha): 0.22
Search Buffer (m): 100

Site Details

Bevin Bevin & Co Ltd, River Road, ARUNDEL, West Sussex, BN18 9DH



Additional SIMs

Published 1977 - 1989

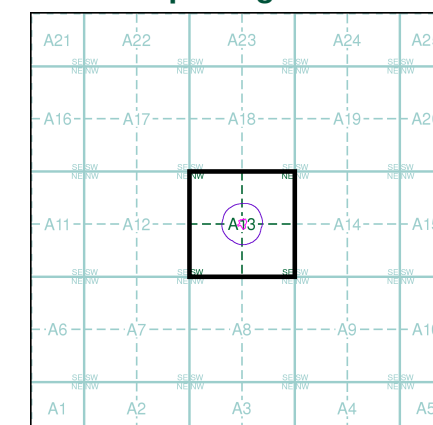
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TQ0107 1977 12,500	TQ0207 1989 12,500
TQ0106 1977 12,500	TQ0206 1977 12,500

Historical Map - Segment A13

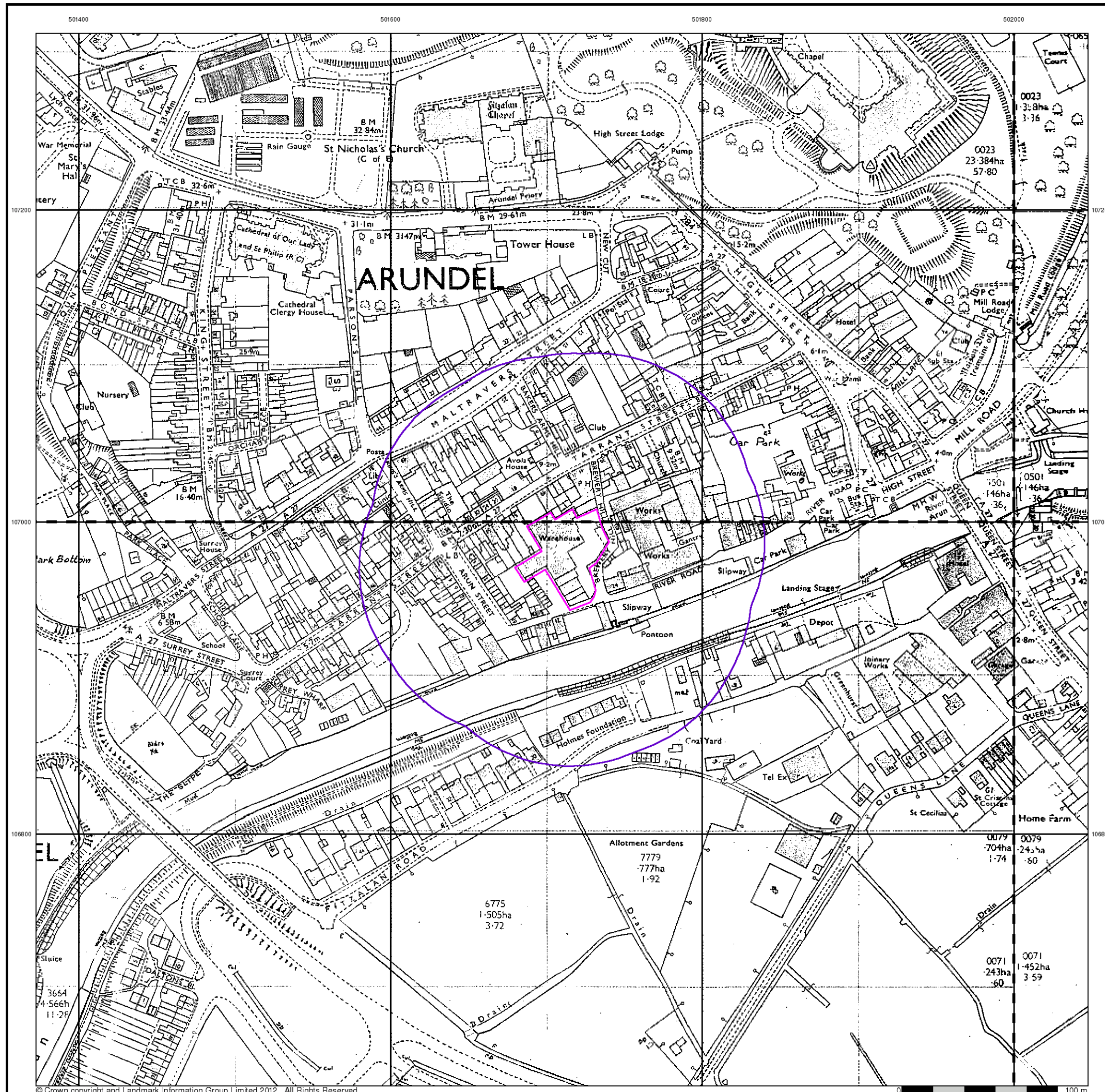


Order Details

Order Number: 39904393_1_1
 Customer Ref: LS 0550
 National Grid Reference: 501710, 106980
 Slice: A
 Site Area (Ha): 0.22
 Search Buffer (m): 100

Site Details

Bevin Bevin & Co Ltd, River Road, ARUNDEL, West Sussex,
 BN18 9DH



Ordnance Survey Plan

Published 1979 - 1980

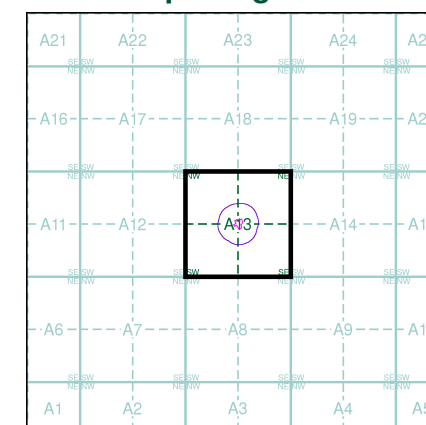
Source map scale - 1:2,500

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)

TQ0107	1979	1:2,500
TQ0106	1980	1:2,500

Historical Map - Segment A13

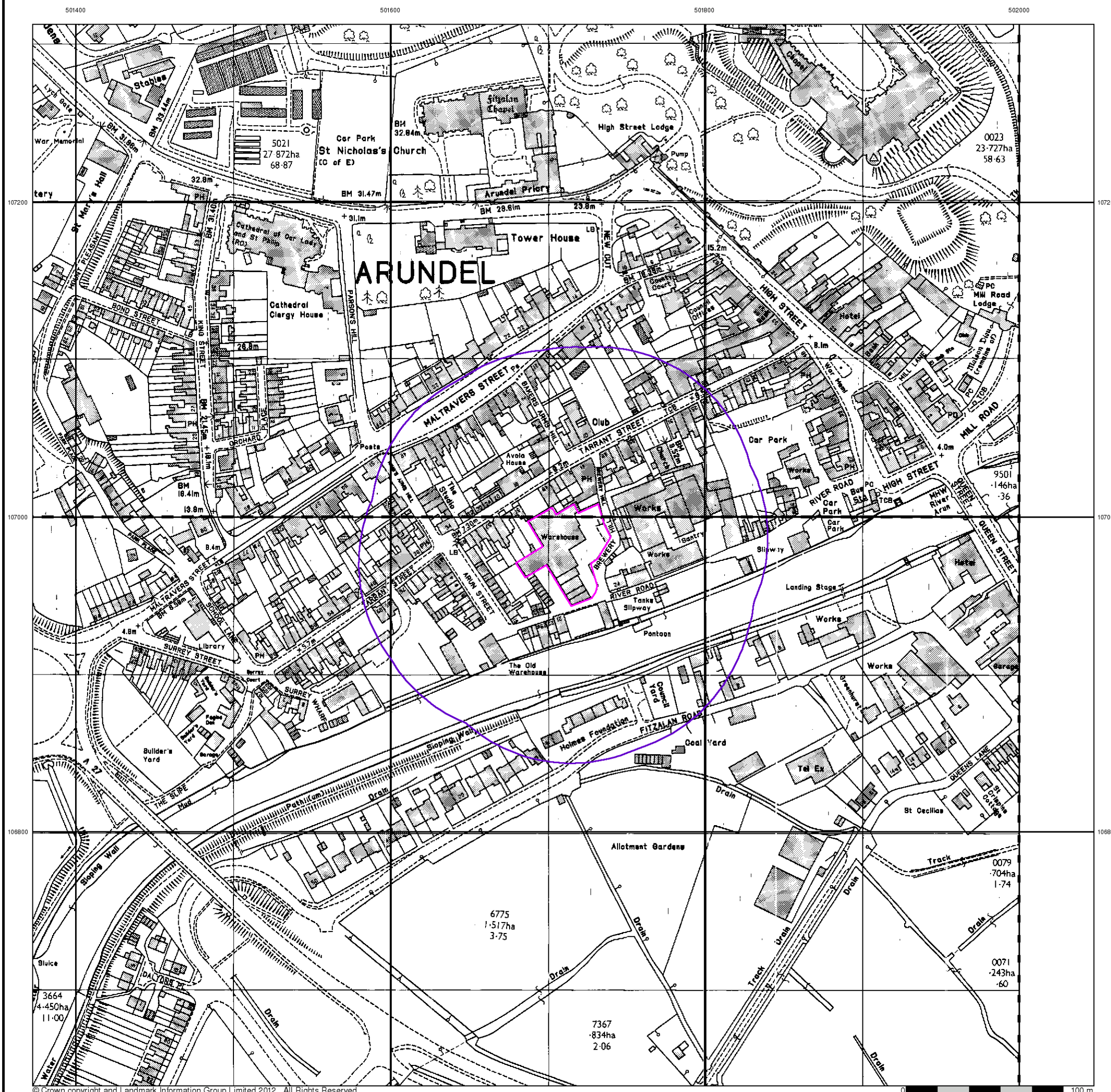


Order Details

Order Number: 39904393_1_1
 Customer Ref: LS 0550
 National Grid Reference: 501710, 106980
 Slice: A
 Site Area (Ha): 0.22
 Search Buffer (m): 100

Site Details

Bevin Bevin & Co Ltd, River Road, ARUNDEL, West Sussex, BN18 9DH



Additional SIMs

Published 1988 - 1989

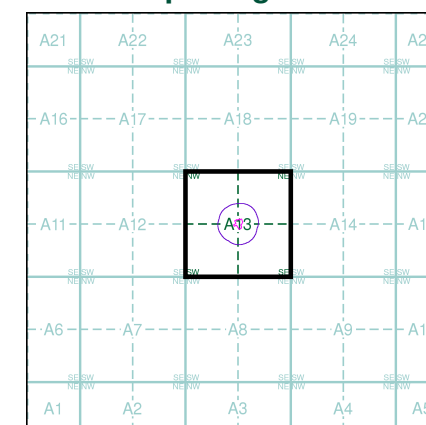
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TQ0107	1989	1:2,500
TQ0106	1988	1:2,500

Historical Map - Segment A13

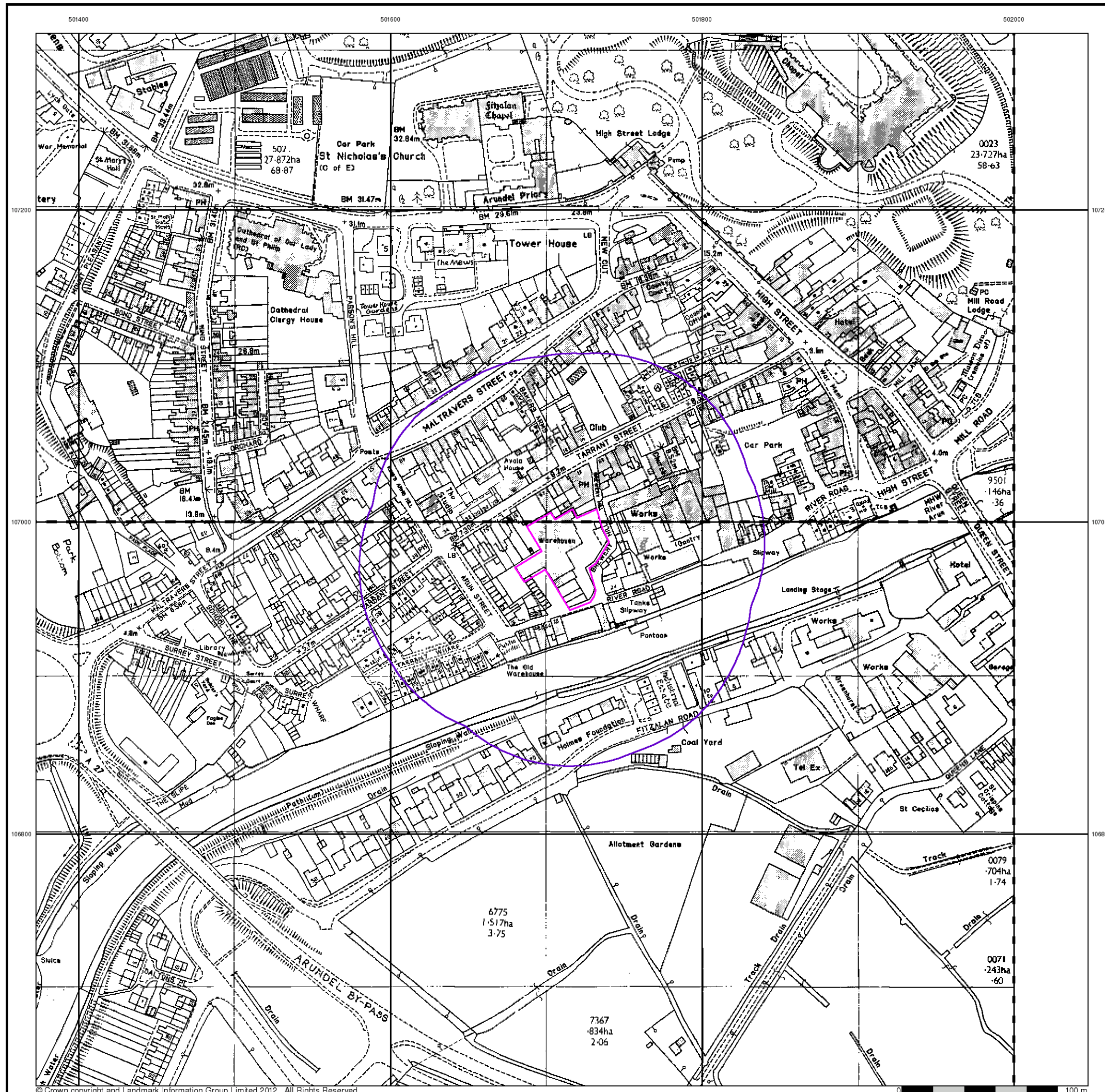


Order Details

Order Number: 39904393_1_1
 Customer Ref: LS 0550
 National Grid Reference: 501710, 106980
 Slice: A
 Site Area (Ha): 0.22
 Search Buffer (m): 100

Site Details

Bevin Bevin & Co Ltd, River Road, ARUNDEL, West Sussex, BN18 9DH



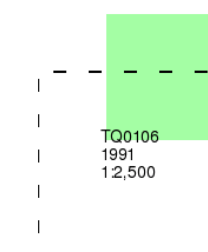
Additional SIMs

Published 1991

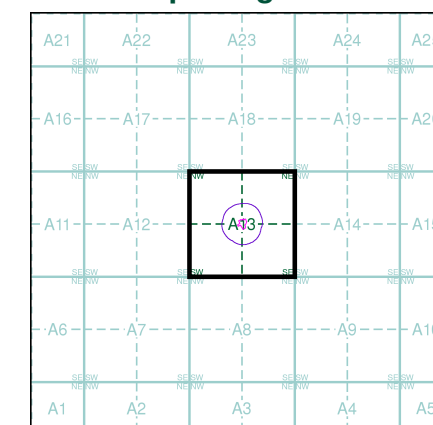
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

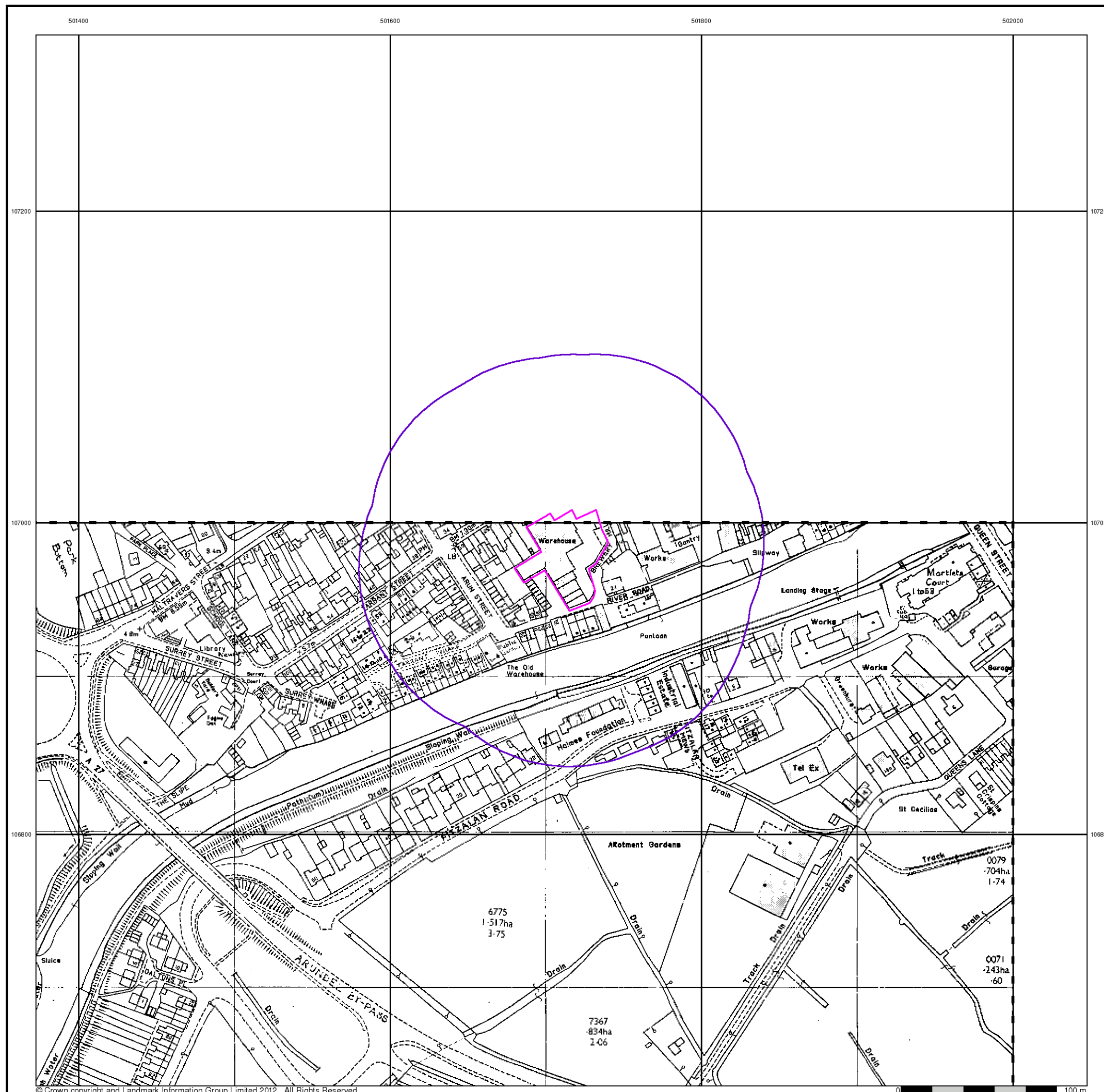


Order Details

Order Number: 39904393_1_1
Customer Ref: LS 0550
National Grid Reference: 501710, 106980
Slice: A
Site Area (Ha): 0.22
Search Buffer (m): 100

Site Details

Bevin Bevin & Co Ltd, River Road, ARUNDEL, West Sussex, BN18 9DH



Large-Scale National Grid Data

Published 1994

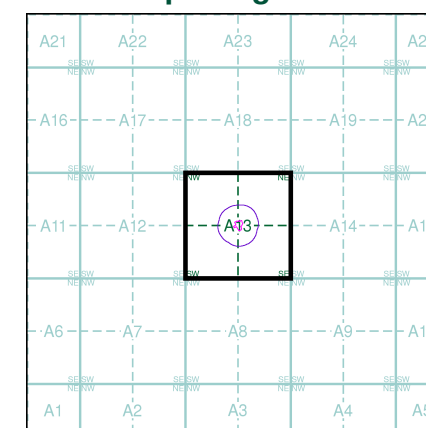
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TQ0107 1994 12,500	TQ0207 1994 12,500
TQ0106 1994 12,500	TQ0206 1994 12,500

Historical Map - Segment A13



Order Details

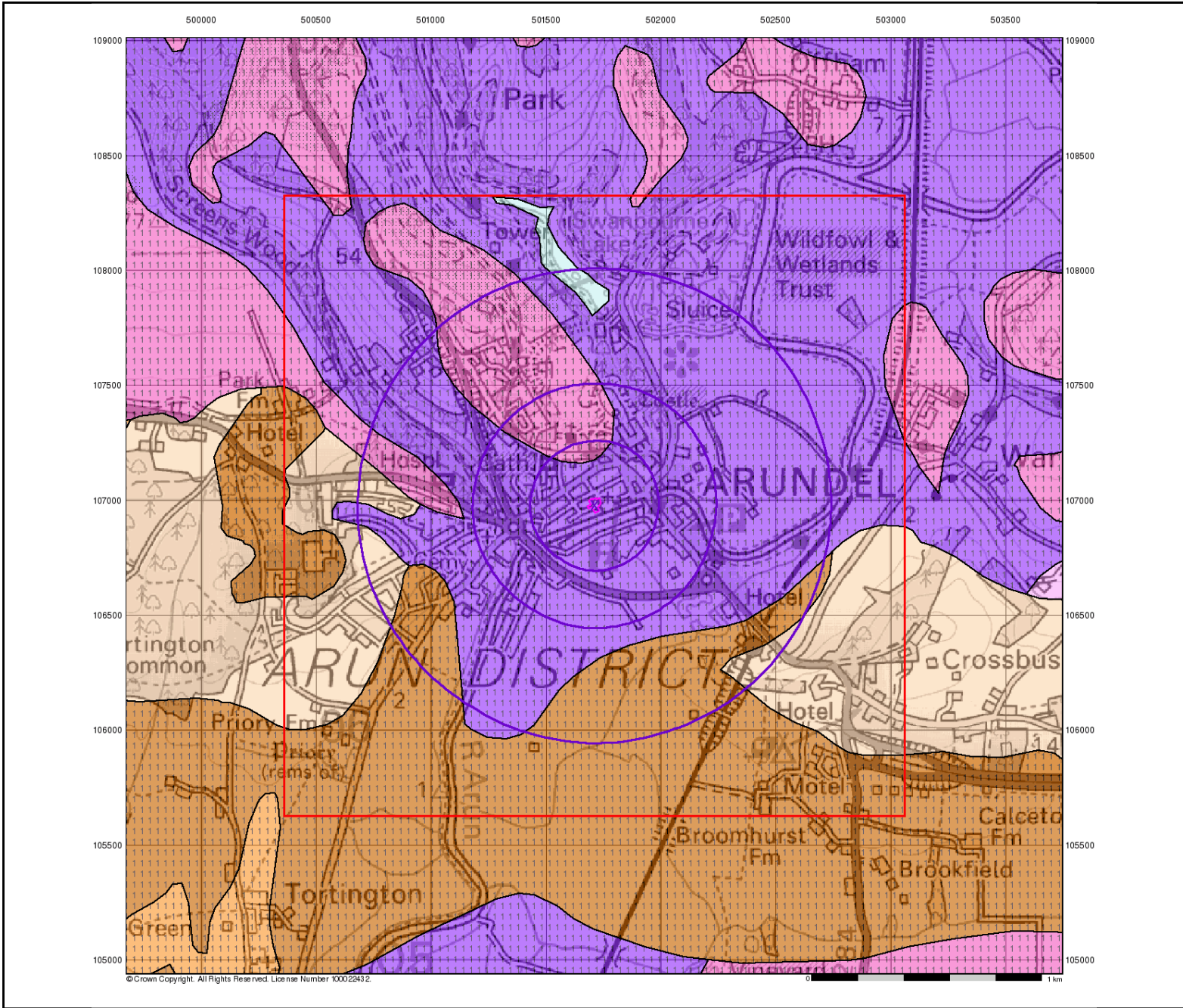
Order Number: 39904393_1_1
 Customer Ref: LS 0550
 National Grid Reference: 501710, 106980
 Slice: A
 Site Area (Ha): 0.22
 Search Buffer (m): 100

Site Details

Bevin Bevin & Co Ltd, River Road, ARUNDEL, West Sussex, BN18 9DH



APPENDIX B



Groundwater Vulnerability

General

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

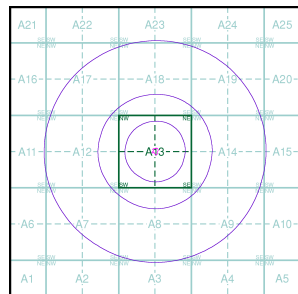
Agency and Hydrological

Geological Classes

- Major Aquifer (Highly Permeable)
 - High (H) 1, 2, 3, U
 - Intermediate (I) 1, 2
 - Low
- Minor Aquifer (Variably Permeable)
 - High (H) 1, 2, 3, U
 - Intermediate (I) 1, 2
 - Low
- Non Aquifer (Negligibly Permeable)
- Water or Sea
- Drift Deposit

Soil Classes

Site Sensitivity Context Map - Slice A



Order Details

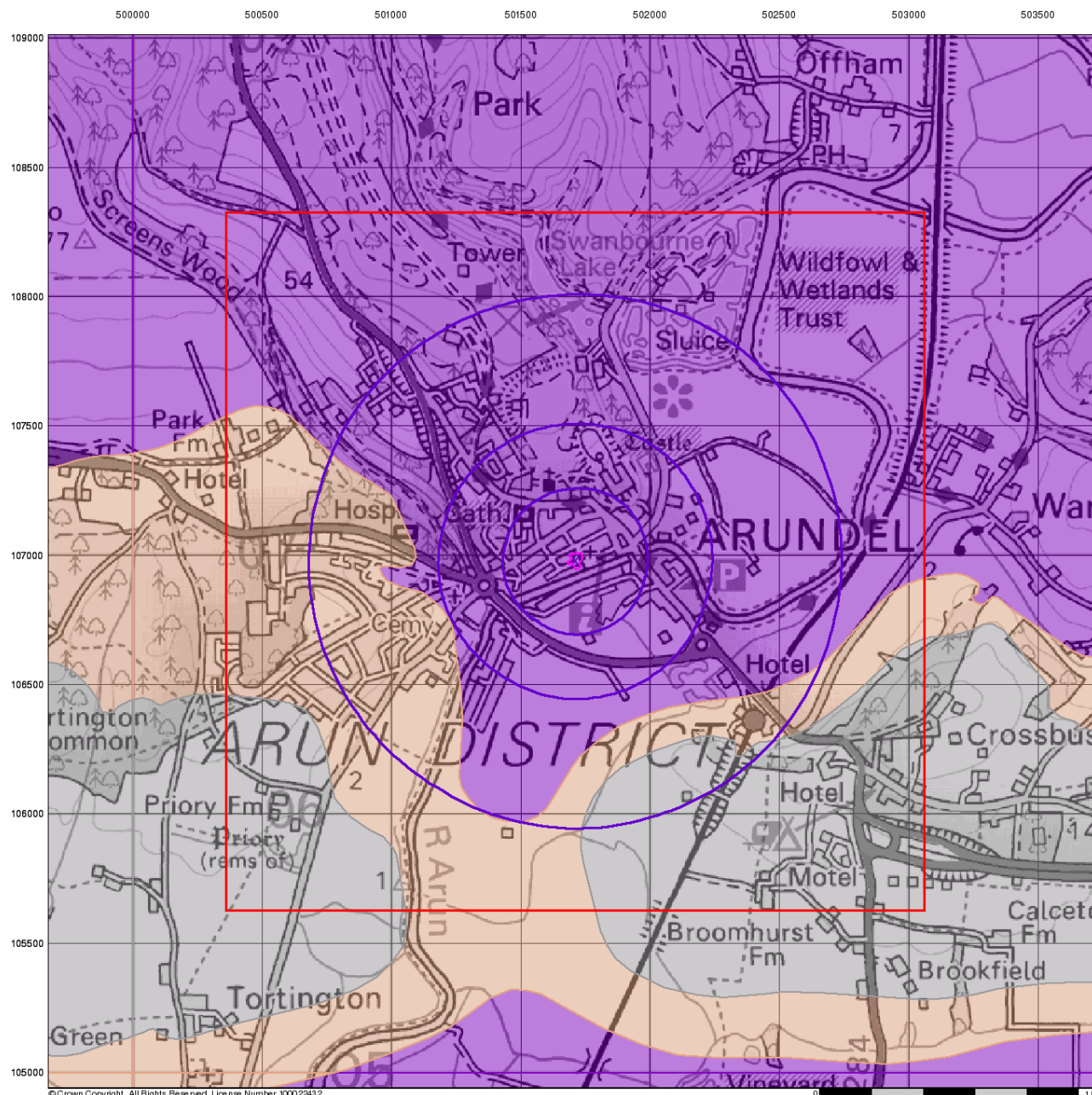
Order Number: 39904508_1_1
Customer Ref: LS 0550
National Grid Reference: 501710, 106980
Slice: A
Site Area (Ha): 0.22
Search Buffer (m): 1000

Site Details

Bevin Bevin & Co Ltd, River Road, ARUNDEL, West Sussex, BN18 9DH



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



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Bedrock Aquifer Designation

General

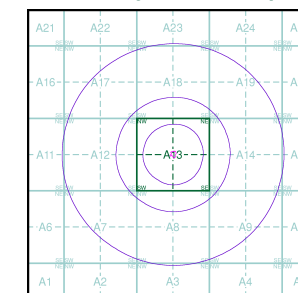
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Site Sensitivity Context Map - Slice A



Order Details

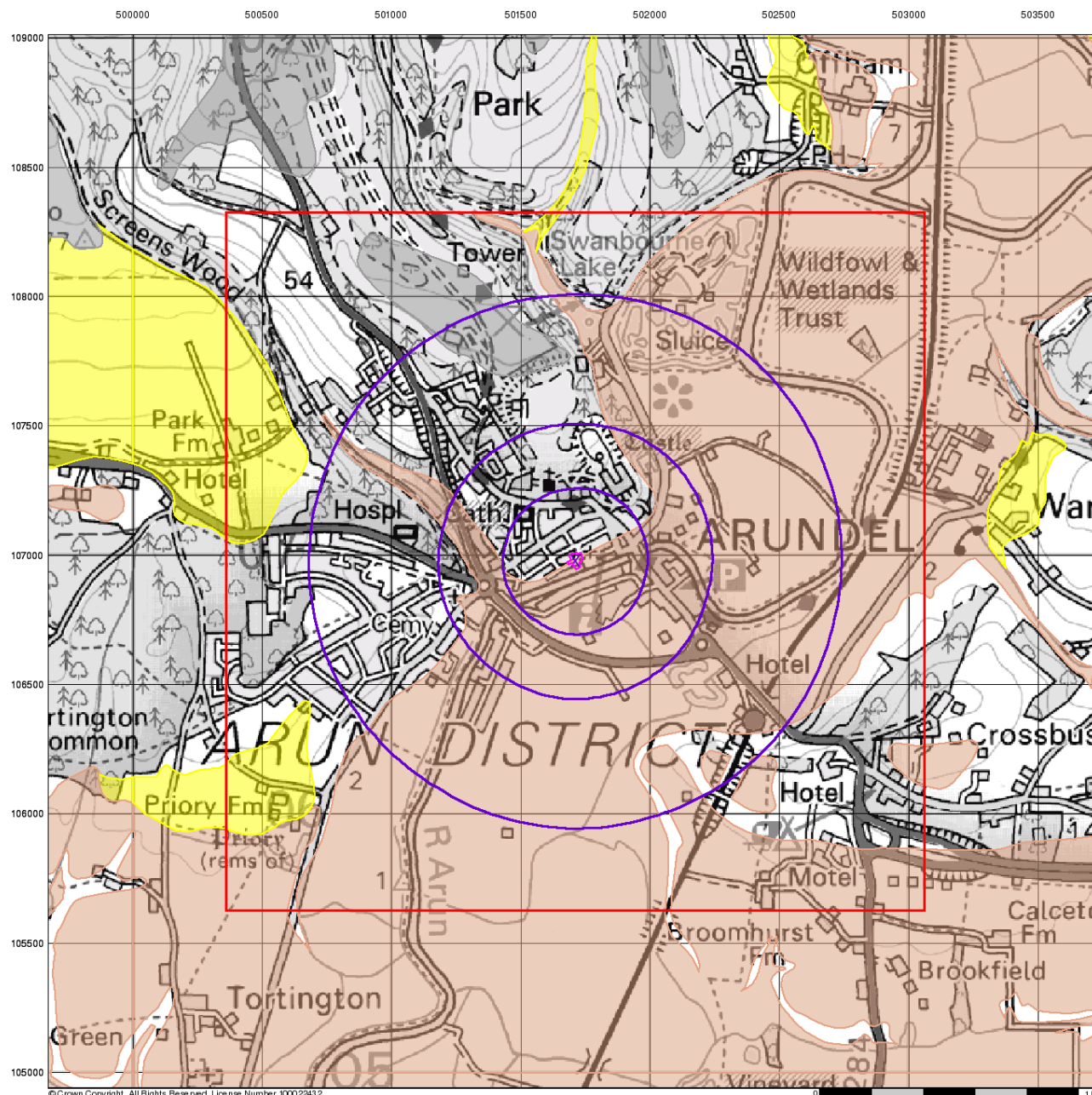
Order Number: 39904508_1_1
 Customer Ref: LS 0550
 National Grid Reference: 501710, 106980
 Slice: A
 Site Area (Ha): 0.22
 Search Buffer (m): 1000

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Superficial Aquifer Designation

General

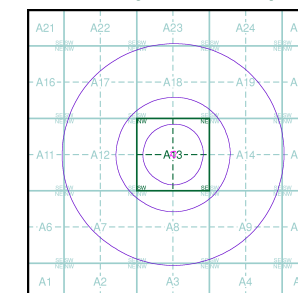
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Site Sensitivity Context Map - Slice A



Order Details

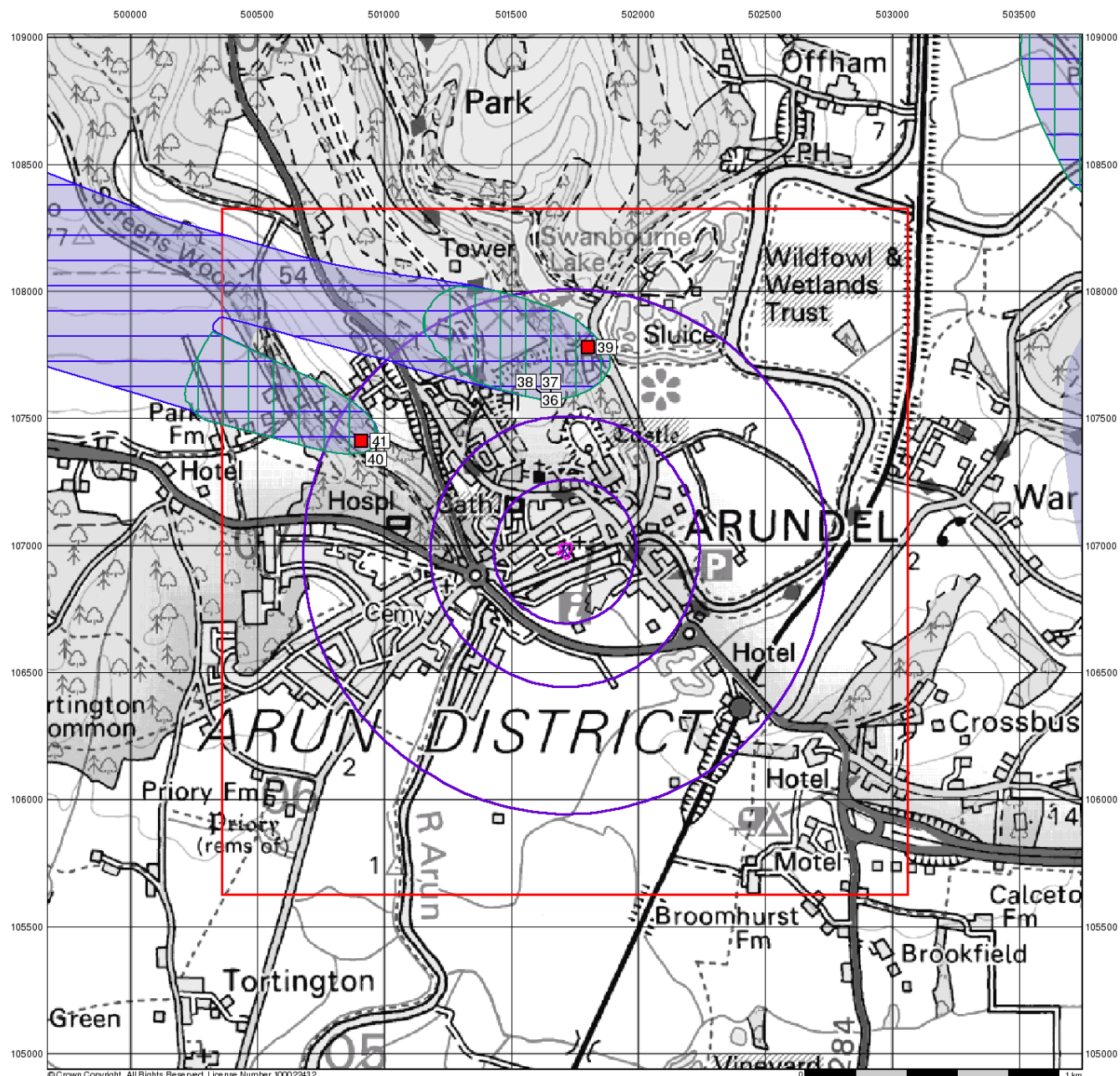
Order Number: 39904508_1_1
 Customer Ref: LS 0550
 National Grid Reference: 501710, 106980
 Slice: A
 Site Area (Ha): 0.22
 Search Buffer (m): 1000

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Source Protection Zones

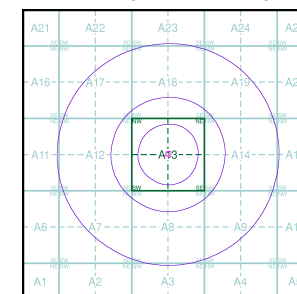
General

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

Agency and Hydrological

- Source Protection Zone I
- Source Protection Zone II
- Source Protection Zone III
- Zone of Special Interest
- Source Protection Zone Borehole

Site Sensitivity Context Map - Slice A



Order Details

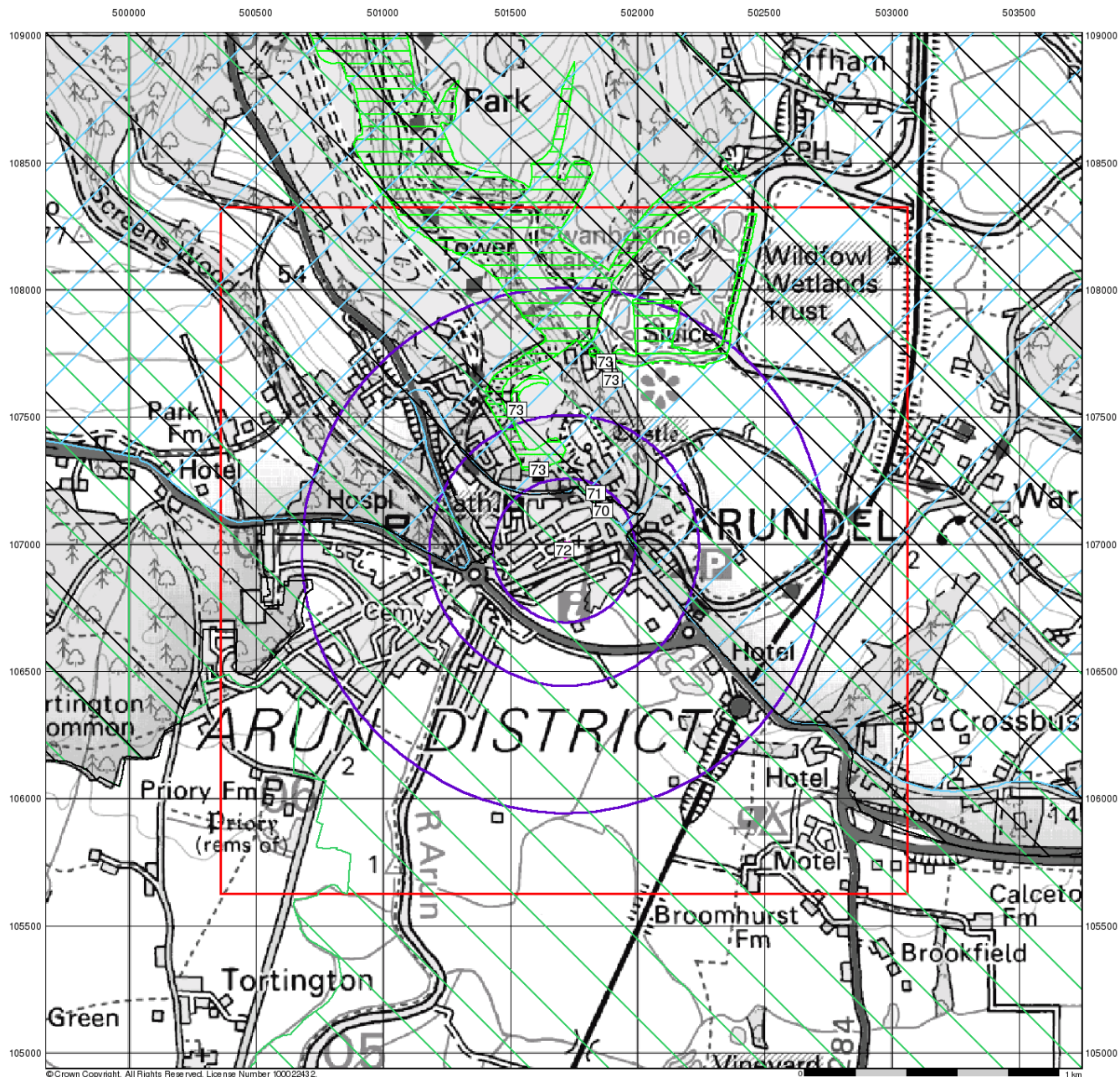
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 Customer Ref: LS 0550
 National Grid Reference: 501710, 106980
 Slice: A
 Site Area (Ha): 0.22
 Search Buffer (m): 1000

Site Details

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Sensitive Land Uses

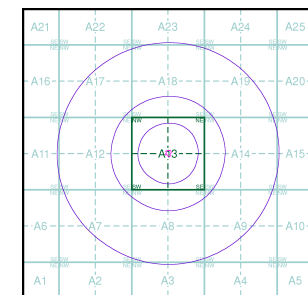
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 39904508_1_1
 Customer Ref: LS 0550
 National Grid Reference: 501710, 106980
 Slice: A
 Site Area (Ha): 0.22
 Search Buffer (m): 1000

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Datasheet

Order Details:

Order Number:

39904508_1_1

Customer Reference:

LS 0550

National Grid Reference:

501710, 106980

Slice:

A

Site Area (Ha):

0.22

Search Buffer (m):

1000

Site Details:

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River Road
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Prepared For:

T Hollister (Chertsey) Ltd

Report Section	Page Number
Summary	-
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Waste	20
Hazardous Substances	21
Geological	22
Industrial Land Use	34
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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 and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.

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

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Report Version v47.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		6	5	17
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 8			1	
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 8		Yes		
Pollution Incidents to Controlled Waters	pg 8		3	5	5
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances					
River Quality	pg 10		1		
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 10				6 (*6)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 13	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 13	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 13	Yes	n/a	n/a	n/a
Source Protection Zones	pg 13				6
Extreme Flooding from Rivers or Sea without Defences	pg 14		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 17		Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences	pg 19		Yes	n/a	n/a
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 20		1		2
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites	pg 21				1
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 22	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 22	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 32				1
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 32	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 32	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 32	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 32	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 32	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards				n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 34		16	6	8
Fuel Station Entries	pg 36			1	

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
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Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas	pg 37		1		
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks	pg 37		1		
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 37	1			
Ramsar Sites					
Sites of Special Scientific Interest	pg 37			1	
Special Areas of Conservation					
Special Protection Areas					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: Southern Water Services Limited. + Property Type: Sewerage Network - Pumping Station - Water Company Location: Surrey Wharf Wastewater Ps, Surrey Wharf, Arundel, West Sussex, Bn18 9dw Authority: Environment Agency, Southern Region Catchment Area: Adur Estuary & Freshwater Tributaries Reference: A01260 Permit Version: 1 Effective Date: 17th October 2006 Issued Date: 17th October 2006 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tidal River Arun Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	162	1	501560 106860
1	Discharge Consents Operator: Southern Water Services Limited. + Property Type: Sewerage Network - Pumping Station - Water Company Location: Surrey Wharf Wastewater Ps, Surrey Wharf, Arundel, West Sussex, Bn18 9dw Authority: Environment Agency, Southern Region Catchment Area: Adur Estuary & Freshwater Tributaries Reference: A01260 Permit Version: 1 Effective Date: 17th October 2006 Issued Date: 17th October 2006 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Tidal River Arun Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	162	1	501560 106860
2	Discharge Consents Operator: Southern Water Services Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Cso At Town Quay Ps Arundel Town Quay Ps, High Street, Arundel, West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: A00860 Permit Version: 1 Effective Date: 10th October 2001 Issued Date: 10th October 2001 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A13NE (E)	182	1	501920 107010
2	Discharge Consents Operator: Southern Water Services Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Town Quay Pumping Station, High Street, Arundel, Sussex, Bn16 9ad Authority: Environment Agency, Southern Region Catchment Area: Adur Estuary & Freshwater Tributaries Reference: A00833 Permit Version: 1 Effective Date: 20th September 2002 Issued Date: 20th September 2002 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A13NE (E)	191	1	501930 107000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	Discharge Consents Operator: Southern Water Services Ltd Property Type: Sewerage Network - Sewers - Water Company Location: 50 Fitzalan Rd, Arundel, West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: A00998 Permit Version: 1 Effective Date: 13th July 2001 Issued Date: 13th July 2001 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	226	1	501510 106820
3	Discharge Consents Operator: Southern Water Services Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Fitzalan Road Pumping Station, Fitzalan Road, Arundel, Sussex, Bn18 9jp Authority: Environment Agency, Southern Region Catchment Area: Adur Estuary & Freshwater Tributaries Reference: A00835 Permit Version: 1 Effective Date: 20th September 2002 Issued Date: 20th September 2002 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	233	1	501510 106810
4	Discharge Consents Operator: West Sussex County Council Property Type: Undefined Or Other Location: Arundel Relief Road A27 & A284, Arundel, West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: N01416 Permit Version: 1 Effective Date: 29th March 1974 Issued Date: 29th March 1974 Revocation Date: 31st March 1997 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Saline Estuary Environment: Receiving Water: Saline Estuary Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m	A13SW (W)	289	1	501400 106900
5	Discharge Consents Operator: Arundel Lido Property Type: Recreational & Cultural Location: Fitzalan Swimming Pool, Queen Street, Arundel, West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: N01421 Permit Version: 2 Effective Date: 17th July 1996 Issued Date: 17th July 1996 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Swimming Pool Contents Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A14SW (E)	388	1	502120 106910

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Discharge Consents Operator: Arun District Council Property Type: Recreational & Cultural Location: Fitzalan Swimming Pool, Queen Street, Arundel, West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: N01421 Permit Version: 1 Effective Date: 29th March 1974 Issued Date: 29th March 1974 Revocation Date: 17th July 1996 Discharge Type: Discharge Of Other Matter-Swimming Pool Contents Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A14SW (E)	388	1	502120 106910
6	Discharge Consents Operator: West Sussex County Council Property Type: Undefined Or Other Location: Arundel Relief Rd, Arundel, West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: S02030 Permit Version: 1 Effective Date: 15th October 1971 Issued Date: 15th October 1971 Revocation Date: 20th March 1996 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Saline Estuary Environment: Receiving Water: Saline Estuary Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	426	1	501300 106780
7	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: Sewerage Network - Sewers - Water Company Location: 118 Fitzalan Rd, Arundel, Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: A00999 Permit Version: 1 Effective Date: 13th July 2001 Issued Date: 13th July 2001 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Receiving Water: Saline Estuary Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	480	1	501360 106610
8	Discharge Consents Operator: Mr Darren Smith Property Type: Fish Farm Location: Chalk Spring Fisheries, Park Bottom, Arundel, West Sussex Authority: Environment Agency, Southern Region Catchment Area: Adur Estuary & Freshwater Tributaries Reference: P06714 Permit Version: 1 Effective Date: 8th July 1997 Issued Date: 8th July 1997 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Fish Farm Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Trib Of River Arun Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	518	1	501230 107240

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	Discharge Consents Operator: Roy Grant Esq Property Type: Domestic Property (Single) Location: Portreves Acre, Arundel Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: S02703 Permit Version: 1 Effective Date: 23rd March 1983 Issued Date: 23rd March 1983 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A14SW (E)	538	1	502240 106780
10	Discharge Consents Operator: R Grant Property Type: Recreational & Cultural Location: Swimming Pool, Portreves Acres, Station Road, Arundel, West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: S02145 Permit Version: 1 Effective Date: 26th January 1973 Issued Date: 26th January 1973 Revocation Date: 28th February 1997 Discharge Type: Discharge Of Other Matter-Swimming Pool Contents Discharge: Saline Estuary Environment: Receiving Water: Saline Estuary Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A14SW (SE)	566	1	502250 106730
11	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: Sewerage Network - Pumping Station - Water Company Location: Arundel Pumping Station Rear Of Arun Terrace, Ford Road, Arundel, West Sussex, Bn18 9eg Authority: Environment Agency, Southern Region Catchment Area: The River Arun Reference: D00019 Permit Version: 2 Effective Date: 7th September 1995 Issued Date: 7th September 1995 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Saline Estuary Environment: Receiving Water: Tidal Waters Of River Arun Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	600	1	501280 106520
11	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: Sewerage Network - Pumping Station - Water Company Location: Arundel Pumping Station, Arundel P.S. Storm Overflow, Arundel, West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: D00019 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: 1st April 1991 Revocation Date: 7th September 1995 Discharge Type: Unknown Discharge: Saline Estuary Environment: Receiving Water: Saline Estuary Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	600	1	501280 106520

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: Sewerage Network - Pumping Station - Water Company Location: Arundel Pumping Station, Arundel P.S. Storm Overflow, Arundel, West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: D00019 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: 1st April 1991 Revocation Date: 7th September 1995 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Saline Estuary Environment: Saline Estuary Receiving Water: Saline Estuary Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	600	1	501280 106520
11	Discharge Consents Operator: James Penfold Limited Property Type: Undefined Or Other Location: Tortington Iron Works, Arundel, West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: S01867 Permit Version: 1 Effective Date: 11th December 1969 Issued Date: 11th December 1969 Revocation Date: 31st March 1997 Discharge Type: Unknown Discharge: Saline Estuary Environment: Saline Estuary Receiving Water: Saline Estuary Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	628	1	501250 106510
11	Discharge Consents Operator: James Penfold Limited Property Type: Undefined Or Other Location: Tortington Iron Works, Arundel, West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: S01867 Permit Version: 1 Effective Date: 11th December 1969 Issued Date: 11th December 1969 Revocation Date: 31st March 1997 Discharge Type: Unknown Discharge: Saline Estuary Environment: Saline Estuary Receiving Water: Saline Estuary Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	635	1	501230 106520
12	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: Sewerage Network - Pumping Station - Water Company Location: Arundel Pumping Station Rear Of Arun Terrace, Ford Road, Arundel, West Sussex, Bn18 9eg Authority: Environment Agency, Southern Region Catchment Area: The River Arun Reference: D00019 Permit Version: 2 Effective Date: 7th September 1995 Issued Date: 7th September 1995 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Saline Estuary Environment: Tidal Waters Of River Arun Receiving Water: Tidal Waters Of River Arun Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	659	1	501260 106460

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: Sewerage Network - Pumping Station - Water Company Location: Arundel Pumping Station, Arundel P.S. Storm Overflow, Arundel, West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: D00019 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: 1st April 1991 Revocation Date: 7th September 1995 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Saline Estuary Receiving Water: Saline Estuary Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	659	1	501260 106460
12	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: Sewage Disposal Works - Water Company Location: Arundel Stw Final, Arundel Sewage Disposal Works, Arundel, West Sussex, Bn18 9eb Authority: Environment Agency, Southern Region Catchment Area: Old-Arun 70 Reference: W00440 Permit Version: 1 Effective Date: 26th May 1980 Issued Date: 26th May 1980 Revocation Date: 20th March 1996 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Saline Estuary Environment: Saline Estuary Receiving Water: Saline Estuary Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	659	1	501260 106460
13	Discharge Consents Operator: West Sussex County Council Property Type: Undefined Or Other Location: Arundel Relief Rd, Arundel, West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: S02030 Permit Version: 1 Effective Date: 15th October 1971 Issued Date: 15th October 1971 Revocation Date: 20th March 1996 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Saline Estuary Environment: Saline Estuary Receiving Water: Saline Estuary Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	684	1	502290 106560
14	Discharge Consents Operator: Mr A Pyant Property Type: Domestic Property (Single) Location: Arundel Lawn Tennis Club, Arundel Arundel Lawn Tennis Club, Off Mill Road, Arundel, West Sussex, Bn18 9pa Authority: Environment Agency, Southern Region Catchment Area: The River Arun Reference: P12257 Permit Version: 1 Effective Date: 19th January 2005 Issued Date: 19th January 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Ditch To River Arun Receiving Water: Ditch To River Arun Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	696	1	502300 107410

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	Discharge Consents Operator: Norfolk Trustees Limited Property Type: Domestic Property (Single) Location: Swanbourne Home Farmhouse, Mill Road, Arundel, West Sussex, Bn18 9lh Authority: Environment Agency, Southern Region Catchment Area: The River Arun Reference: Eprbp3727ga Permit Version: 1 Effective Date: 30th June 2010 Issued Date: 30th June 2010 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of The River Arun Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A18NE (N)	732	1	501849 107730
16	Discharge Consents Operator: Earl Of Arundel & J H M Glover Property Type: Fish Farm Location: Chalk Spring Fisheries, Park Bottom, Arundel, West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: P06714 Permit Version: 2 Effective Date: 1st April 1999 Issued Date: 1st April 1999 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Fish Farm Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	894	1	500890 107400
17	Discharge Consents Operator: Mr & Mrs Haines Property Type: Domestic Property (Single) Location: Priory Farm, Arundel Priory Farm, Station Road, Arundel, West Sussex, Bn18 9jj Authority: Environment Agency, Southern Region Catchment Area: Adur Estuary & Freshwater Tributaries Reference: P12146 Permit Version: 1 Effective Date: 16th July 2004 Issued Date: 16th July 2004 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Arun Via Online Ponds Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A9NE (SE)	950	1	502440 106320
18	Discharge Consents Operator: Norfolk Trustees Limited Property Type: Snack Bars,Cafes Etc. Location: Swanbourne Lodge Stp Swanbourne Lodge, Mill Road, Arundel, West Sussex, Bn18 9pa Authority: Environment Agency, Southern Region Catchment Area: The River Arun Reference: Eprep3522xp Permit Version: 1 Effective Date: 1st October 2010 Issued Date: 1st October 2010 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of River Arun Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A18NE (N)	967	1	501890 107962

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	Local Authority Pollution Prevention and Controls Name: Mccarthy & StoneCastle Service Station Location: Queen Street, ARUNDEL, West Sussex, BN18 9JG Authority: Arun District Council, Environmental Health Department Permit Reference: Pvr/7/98 Dated: 1st October 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorisation revoked Positional Accuracy: Automatically positioned to the address	A13SE (E)	274	2	502005 106918
	Nearest Surface Water Feature	A13SE (S)	23	-	501715 106921
20	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Foul Sewer Location: River Arun, ARUNDEL Authority: Environment Agency, Southern Region Pollutant: Crude Sewage Note: Sewage Discharge To River Arun Incident Date: 14th May 1997 Incident Reference: 2147 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Plc Sewage Other Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (E)	165	1	501900 106950
20	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: ARUNDEL Authority: Environment Agency, Southern Region Pollutant: Oils - Diesel (Including Agricultural) Note: Covered In Petrol (Arun) Queen Street Bridge; Incident Date: 17th May 1998 Incident Reference: 2592 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Oils/Related Products Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	178	1	501900 106900
21	Pollution Incidents to Controlled Waters Property Type: WSC Sewage, Sewerage & Supply Location: Opposite 29 Mount Pleasant Rd, ARUNDEL, West Sussex Authority: Environment Agency, Southern Region Pollutant: General Biodegradable : Crude Sewage & Sewerage Material Note: Not Supplied Incident Date: 16th November 1999 Incident Reference: 3564 Catchment Area: Arun Receiving Water: Potential River Cause of Incident: Other Cause Incident Severity: Category 3 - Minor Incident Positional Accuracy: Approximate location provided by supplier	A13NE (NE)	249	1	501890 107200
22	Pollution Incidents to Controlled Waters Property Type: Boats/Ships Location: Tidal Arun At Arundel Old Bridge Authority: Environment Agency, Southern Region Pollutant: Oils - Diesel (Including Agricultural) Note: Sunken Boat Leaking Diesel Into Tidal Arun Incident Date: 2nd November 1993 Incident Reference: 764 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Oils/Related Products Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (E)	261	1	502000 107000
23	Pollution Incidents to Controlled Waters Property Type: Transport, Storage, Communications Location: A27 ROADBRIDGE OVERTHE RIVER ARUN Authority: Environment Agency, Southern Region Pollutant: Organic Chemicals : Lubricating Oils Note: Not Supplied Incident Date: 3rd September 1999 Incident Reference: 2595 Catchment Area: Arun Receiving Water: Potential River Cause of Incident: Deliberate Action Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	282	1	501480 106770

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	Pollution Incidents to Controlled Waters Property Type: Not Given Location: ARUNDEL Authority: Environment Agency, Southern Region Pollutant: Miscellaneous - Unknown Note: Dead Fish Seen On Arun At Arundel On O/G Tidal Flow Incident Date: 22nd January 1992 Incident Reference: 261 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Miscellaneous/Other Pollution Type Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	417	1	501300 106800
25	Pollution Incidents to Controlled Waters Property Type: Construction Location: Arundel Bowling Club Authority: Environment Agency, Southern Region Pollutant: Crude Sewage Note: Black Smelly Ditch Killing Off Bowling Green Grass Incident Date: 29th July 1998 Incident Reference: 2704 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Leaking Tank Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NW (NE)	470	1	502100 107300
26	Pollution Incidents to Controlled Waters Property Type: Other Transport Location: Tributary To River Arun, ARUNDEL Authority: Environment Agency, Southern Region Pollutant: Organic Wastes: Other Note: Silage Liquor In Stream; Road (Road Traffic Accident) Incident Date: 3rd June 1995 Incident Reference: 1327 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Organic Industrial Waste Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	483	1	501280 106700
27	Pollution Incidents to Controlled Waters Property Type: Other General Premises Location: Rife Beside Arun, Ford Road, ARUNDEL Authority: Environment Agency, Southern Region Pollutant: Oils - Diesel (Including Agricultural) Note: Diesel In Rife Beside Arun Ford Road Arundel; Miscellaneous Premises: Unknown Incident Date: 26th February 1994 Incident Reference: 880 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Oils/Related Products Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	552	1	501200 106700
28	Pollution Incidents to Controlled Waters Property Type: No Premises Identified Location: River Arun Left Bank, Downstream From Road Bridge, Arundel Bypass Authority: Environment Agency, Southern Region Pollutant: General Biodegradable : Other Natural Organic Material Note: Not Supplied Incident Date: 29th July 1999 Incident Reference: 1436 Catchment Area: Arun Receiving Water: Potential River Cause of Incident: Deliberate Action Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	602	1	501300 106500
29	Pollution Incidents to Controlled Waters Property Type: Domestic/Residential Location: The Old Dairy, Mill Road, ARUNDEL Authority: Environment Agency, Southern Region Pollutant: Crude Sewage Note: Fractured Private Sewer Discharging To W/C Incident Date: 9th September 1996 Incident Reference: 1872 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	742	1	501750 107750

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	Pollution Incidents to Controlled Waters Property Type: Other General Premises Location: Downstream Swanbourne Lake, Below Road Bridge Authority: Environment Agency, Southern Region Pollutant: Miscellaneous - Inert Suspended Solids Note: White/Milky Discharge In Watrcourse; Schools/Universities Incident Date: 12th December 1995 Incident Reference: 1519 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: General Pollution - Natural Causes Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	797	1	501930 107780
31	Pollution Incidents to Controlled Waters Property Type: Construction Location: Between Queens Street And, A27 Bridges, ARUNDEL Authority: Environment Agency, Southern Region Pollutant: Oils - Diesel (Including Agricultural) Note: Oil On River Arun Incident Date: 11th March 1997 Incident Reference: 2060 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Oils/Related Products Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	919	1	501950 107900
	River Quality Name: Not Supplied GQA Grade: Unclassified Tidal River Reach: Not Supplied Estimated Distance (km): Not Supplied Flow Rate: Not Supplied Flow Type: Not Supplied Year: 1995	A13SE (SE)	75	1	501765 106884
32	Water Abstractions Operator: Southern Water Services Ltd Licence Number: 10/41/310210 Permit Version: 101 Location: Arundel Ps Authority: Environment Agency, Southern Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 4500 Yearly Rate (m3): 1647000 Details: See Licence Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th December 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18NE (N)	763	1	501760 107770
32	Water Abstractions Operator: Southern Water Services Plc Licence Number: 10/41/310210 Permit Version: 100 Location: Arundel Ps Authority: Environment Agency, Southern Region Abstraction: Public Water Supply: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 4500 Yearly Rate (m3): 1647000 Details: See Licence Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 18th January 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18NE (N)	763	1	501760 107770

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	Water Abstractions Operator: Arundel Estates Licence Number: 27/183 Permit Version: Not Supplied Location: The Waterwoods, ARUNDEL Authority: Environment Agency, Southern Region Abstraction: Fish Farming Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 15800 Yearly Rate (m3): 2624000 Details: Springs; Tributary Of River Arun Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Unknown	A17SW (NW)	877	1	500920 107420
33	Water Abstractions Operator: Arundel Estates T/A Chalk Springs Fishery Licence Number: 27/181 Permit Version: 100 Location: Borehole At Chalk Springs Fishery, Arundel Authority: Environment Agency, Southern Region Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Outlined In Black On Attached Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 16th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	881	1	500910 107410
34	Water Abstractions Operator: Wildfowl & Wetlands Trust Licence Number: 10/41/413003 Permit Version: 100 Location: Arundel Wildfowl Reserve Authority: Environment Agency, Southern Region Abstraction: Environmental: Remedial River/Wetland Support: Lake & Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Arundel Wildfowl Reserve Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 8th June 2009 Permit End Date: Not Supplied Positional Accuracy: Unknown	A18NE (N)	942	1	501870 107940
35	Water Abstractions Operator: Arundel Estates T/A Chalk Springs Fishery Licence Number: 27/183 Permit Version: 100 Location: Springs From The Waterwoods, Park Bottom, Arundel Authority: Environment Agency, Southern Region Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): 15800 Yearly Rate (m3): 2624000 Details: Shown Outlined In Black On Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 16th June 2009 Permit End Date: Not Supplied Positional Accuracy: Unknown	A17SW (NW)	957	1	500850 107460

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Tom Parker Farms Licence Number: 33.9/19 Permit Version: Not Supplied Location: Spurlings Farm Authority: Environment Agency, Southern Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: River Daily Rate (m3): 1136 Yearly Rate (m3): 81828 Details: River Wallington; Licence Status: Revoked; Lapsed Or Cancelled Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22SE (N)	1170	1	501290 108100
	Water Abstractions Operator: A M Harriot & Son Licence Number: 10/41/411102 Permit Version: 100 Location: Broomhurst Farm Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: See Licence Map Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 8th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3NW (S)	1291	1	501510 105670
	Water Abstractions Operator: J A Longhurst Esq Licence Number: 10/41/411010 Permit Version: 100 Location: Church Farm Lyminster Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from any point within an area Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: See Licence Map Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 8th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A2NE (S)	1382	1	501230 105650
	Water Abstractions Operator: J A Longhurst Esq Licence Number: 10/41/411010 Permit Version: 100 Location: Church Farm Lyminster Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from any point within an area Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: See Licence Map Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 18th July 1979 Permit End Date: Not Supplied Positional Accuracy: Unknown	A2SE (S)	1677	1	501260 105330

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mrs Srv Biddlecombe Licence Number: 24/060 Permit Version: 101 Location: Knucker Hole Fish Farm Authority: Environment Agency, Southern Region Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: See Licence Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(S)	1968	1	502250 105050
	Water Abstractions Operator: Mr Ainley-Smith Licence Number: 24/060 Permit Version: 100 Location: Knucker Hole Fish Farm Authority: Environment Agency, Southern Region Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: See Licence Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 30th June 1992 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(S)	1968	1	502250 105050
	Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (H1) - Soils which readily transmit liquid discharges because they are either shallow, or susceptible to rapid by-pass flow directly to rock, gravel or groundwater Map Sheet: Sheet 45 West Sussex and Surrey Scale: 1:100,000	A13NE (S)	0	1	501712 106978
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Desination: Principal Aquifer	A13NE (S)	0	3	501712 106978
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NE (S)	0	3	501712 106978
36	Source Protection Zones Name: Arundel Source: Environment Agency, Head Office Reference: Su130 Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	A18SW (N)	567	1	501655 107572
37	Source Protection Zones Name: Various Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	A18SW (N)	567	1	501655 107572
38	Source Protection Zones Name: Various Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	A18SW (N)	567	1	501655 107572
39	Source Protection Zones Name: Arundel Source: Environment Agency, Head Office Reference: Su130 Type: Groundwater Source	A18NE (N)	775	1	501800 107780

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
40	Source Protection Zones Name: Chalk Springs Source: Environment Agency, Head Office Reference: Su132 Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	A17SW (NW)	821	1	500969 107392
41	Source Protection Zones Name: Chalk Springs Source: Environment Agency, Head Office Reference: Su132 Type: Groundwater Source	A17SW (NW)	881	1	500910 107410
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	19	1	501737 106932
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (S)	22	1	501717 106922
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (S)	22	1	501717 106922
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (S)	26	1	501727 106920
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	37	1	501761 106932
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	38	1	501767 106942
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (S)	56	1	501737 106892
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	57	1	501786 106942
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	61	1	501767 106902
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (S)	62	1	501712 106882
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	63	1	501667 106902
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (S)	69	1	501697 106877
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	78	1	501797 106912
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	81	1	501817 106962

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	86	1	501637 106892
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	95	1	501817 106912
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	101	1	501827 106922
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	106	1	501617 106882
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	108	1	501837 106932
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (S)	110	1	501755 106842
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	111	1	501797 106862
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (E)	117	1	501857 106978
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	118	1	501847 106932
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	127	1	501837 106882
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	127	1	501597 106872
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	131	1	501803 106842
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	133	1	501857 106912
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	135	1	501867 106942
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	139	1	501817 106842
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	145	1	501867 106902

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (E)	147	1	501887 106982
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	148	1	501577 106862
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	152	1	501837 106842
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	155	1	501877 106902
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	171	1	501897 106912
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	179	1	501907 106922
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	179	1	501917 106962
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	184	1	501567 106822
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	186	1	501537 106852
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (E)	188	1	501927 107002
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	195	1	501927 106932
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	198	1	501937 106972
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	208	1	501517 106842
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (SW)	214	1	501517 106832
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (E)	217	1	501957 106978
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	225	1	501947 106892

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (E)	230	1	501967 107025
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (SW)	233	1	501517 106802
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (E)	241	1	501977 107032
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	244	1	501487 106822
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	19	1	501737 106932
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (S)	22	1	501717 106922
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (S)	33	1	501707 106912
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	37	1	501761 106932
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	50	1	501747 106902
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (S)	53	1	501727 106892
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	61	1	501777 106912
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	63	1	501667 106902
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	73	1	501797 106922
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	75	1	501777 106892
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	82	1	501757 106872
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	86	1	501637 106892

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (S)	88	1	501747 106862
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (S)	93	1	501727 106852
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (S)	94	1	501697 106852
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (S)	95	1	501667 106862
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	98	1	501827 106932
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	106	1	501617 106882
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	108	1	501847 106972
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	111	1	501797 106862
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (S)	113	1	501667 106842
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	116	1	501847 106942
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	127	1	501597 106872
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	127	1	501837 106882
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	131	1	501847 106892
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	133	1	501857 106912
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	139	1	501817 106842
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	141	1	501877 106952

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	145	1	501867 106902
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	152	1	501837 106842
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	159	1	501897 106962
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	161	1	501887 106912
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	164	1	501587 106832
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	186	1	501537 106852
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	208	1	501947 106972
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	208	1	501517 106842
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	231	1	501967 106942
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	244	1	501487 106822
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (E)	247	1	501987 106994
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13SE (S)	19	1	501728 106928
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13SE (S)	52	1	501740 106898

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	Historical Landfill Sites Licence Holder: Not Supplied Location: Arundel, Sussex Name: Fagins Den Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD20021 First Input Date: 31st December 1960 Last Input Date: 31st December 1962 Specified Waste: Deposited Waste included Inert, Commercial and Household Waste Type: EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: 3800/8176 BGS Ref: Not Supplied Other Ref: WD27/085	A13SW (SW)	235	1	501480 106847
43	Historical Landfill Sites Licence Holder: Not Supplied Location: Arundel, Sussex Name: Canada Road Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD20001 First Input Date: 31st December 1947 Last Input Date: 31st December 1973 Specified Waste: Deposited Waste included Inert, Commercial and Household Waste Type: EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: 3800/8219 BGS Ref: Not Supplied Other Ref: WD27/017, 1-328	A12SE (W)	539	1	501147 106893
44	Historical Landfill Sites Licence Holder: Not Supplied Location: Ford Road, Arundel, Sussex Name: Penfold Works Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD19947 First Input Date: 31st December 1960 Last Input Date: 31st December 1962 Specified Waste: Deposited Waste included Inert, Commercial and Household Waste Type: EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: 3800/8166 BGS Ref: Not Supplied Other Ref: WD27/075	A7NE (SW)	541	1	501289 106595
	Local Authority Landfill Coverage Name: Arun District Council - Has no landfill data to supply		0	8	501712 106978
	Local Authority Landfill Coverage Name: West Sussex County Council - Has supplied landfill data		0	9	501712 106978

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	Explosive Sites Name: Home Farm, Wepham/Wells Fireworks (Dartford) Ltd Location: Home Farm, Wepham, Arundel, West Sussex Status: Active Positional Accuracy: Manually positioned to the address or location	A18NE (N)	724	4	501812 107727

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Chalk including Red Chalk	A13NE (S)	0	3	501712 106978
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (N)	0	5	501712 107000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (NW)	0	5	501709 106984
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (S)	0	5	501712 106978
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (NE)	5	5	501740 107000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (W)	260	5	501431 106899
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (E)	260	5	502000 106978

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NE (E)	261	5	502000 107000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NW (W)	273	5	501409 107000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NW (W)	281	5	501401 107000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NW (W)	293	5	501393 107028
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NE (NE)	304	5	502000 107150
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (W)	352	5	501337 106896

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (NE)	358	5	502067 107135
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NE (NE)	360	5	502019 107225
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NE (NE)	363	5	502000 107252
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (E)	369	5	502109 107000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NE (NE)	371	5	502000 107264
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (W)	378	5	501303 106943

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (W)	411	5	501271 107000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (W)	436	5	501245 107000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (SW)	506	5	501229 106742
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (SW)	533	5	501246 106662
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (W)	589	5	501092 106994
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (W)	590	5	501091 107000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (SE)	619	5	501971 106380
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (SE)	622	5	502000 106390
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SW (NE)	671	5	502060 107593
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (W)	680	5	501000 106978
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (W)	681	5	501000 107000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SE (NE)	681	5	502000 107634

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (W)	681	5	501000 106958
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (SE)	714	5	502020 106297
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NW (N)	718	5	501509 107697
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	718	5	502000 106285
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (W)	725	5	501000 107226
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (W)	739	5	501000 107266

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A12NW (NW)	744	5	501000 107279
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A8SE (S)	752	5	502000 106248
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A8SE (S)	752	5	502000 106248
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A8SE (SE)	761	5	502018 106245
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A8SE (S)	763	5	502000 106236
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A9SW (SE)	765	5	502068 106263

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	766	5	501978 106225
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	772	5	501937 106205
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NE (N)	851	5	501723 107858
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (SW)	859	5	501000 106445
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9SW (SE)	863	5	502225 106243
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	876	5	502000 106116

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	921	5	502000 106068
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NE (N)	940	5	501779 107947
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	944	5	501712 106000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	945	5	501750 106000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (S)	955	5	501572 106000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NE (N)	956	5	501795 107962

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	986	5	502000 106000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9SE (SE)	986	5	502392 106220
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A23SE (N)	992	5	501712 108000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A23SW (N)	992	5	501704 108000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A23SE (N)	993	5	501774 108000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	996	5	502031 106000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A23SW (N)	997	5	501619 108000
46	BGS Recorded Mineral Sites Site Name: Arundel Station Gravel Pit Location: , Arundel, West Sussex Source: British Geological Survey, National Geoscience Information Service Reference: 157645 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Quaternary Geology: Raised Beach Deposits, 1 Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A8SE (SE)	820	3	502040 106191
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13NE (S)	0	3	501712 106978
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (S)	0	3	501712 106978
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (S)	0	3	501712 106978
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (S)	0	3	501712 106978
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	3	501710 106981
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	18	3	501732 107026
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	66	3	501779 107054
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	189	3	501538 107112
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	247	3	501435 106944
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	3	501710 106981
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (S)	0	3	501712 106978
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	3	501710 106981

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (S)	0	3	501712 106978
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (S)	0	3	501712 106978
	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	A13NE (S)	0	3	501712 106978
	Radon Potential - Radon Affected Areas Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13NE (S)	0	3	501712 106978

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
47	Contemporary Trade Directory Entries Name: United Carpet Cleaning Masters Location: 41a Tarrant St, Arundel, West Sussex, BN18 9DJ Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13NE (N)	20	-	501720 107027
47	Contemporary Trade Directory Entries Name: The Picture Restoration Studio Location: The Old Coach House, 16a, Tarrant Street, Arundel, West Sussex, BN18 9DJ Classification: Art Restoration & Picture Cleaning Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (N)	27	-	501692 107030
48	Contemporary Trade Directory Entries Name: Gennor & Co Chemicals Ltd Location: 15, Nineveh Shipyard, Arundel, West Sussex, BN18 9SU Classification: Paint Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	37	-	501771 107006
49	Contemporary Trade Directory Entries Name: Enterprise Garage Location: Unit 1/2, Fitzalan Road, Arundel, West Sussex, BN18 9JS Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	82	-	501770 106878
49	Contemporary Trade Directory Entries Name: Arun Microelectronics Location: Fitzalan Road, Arundel, West Sussex, BN18 9JP Classification: Electronic Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	82	-	501789 106894
49	Contemporary Trade Directory Entries Name: Craig Whitsey Location: Unit D1, 10-12, Fitzalan Road, Arundel, West Sussex, BN18 9JS Classification: Gunsmiths Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	87	-	501808 106914
49	Contemporary Trade Directory Entries Name: John Wilkes Location: 10-12 Fitzalan Rd, Arundel, West Sussex, BN18 9JS Classification: Gunsmiths Status: Active Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	89	-	501796 106892
50	Contemporary Trade Directory Entries Name: Arundel Fantastic Cleaners Location: 44, Tarrant Street, Arundel, West Sussex, BN18 9DN Classification: Carpet, Curtain & Upholstery Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (W)	90	-	501591 106963
51	Contemporary Trade Directory Entries Name: R & D Davidson Ltd Location: 51, Maltravers Street, Arundel, West Sussex, BN18 9BQ Classification: Furniture Manufacturers - Home & Office Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	103	-	501590 107029
52	Contemporary Trade Directory Entries Name: Arundel Fine Studio Location: The Old Stable, Tarrant Sq, Tarrant St, Arundel, West Sussex, BN18 9DE Classification: Glass Engravers & Decorators Status: Active Positional Accuracy: Manually positioned within the geographical locality	A13NE (NE)	127	-	501822 107097
52	Contemporary Trade Directory Entries Name: Drummonds Location: 4, Tarrant Square, Tarrant Street, Arundel, West Sussex, BN18 9DE Classification: Furniture - Reproduction Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	130	-	501818 107105
53	Contemporary Trade Directory Entries Name: Southern Mobility Centre Location: 2, The Old Mill, River Road, Arundel, West Sussex, BN18 9JR Classification: Disability Equipment - Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (E)	130	-	501864 107026

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
54	Contemporary Trade Directory Entries Name: Richard Stoneware Ltd Location: The Slipe, Tarrant St, Arundel, West Sussex, BN18 9DU Classification: Stone Products - Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13SW (W)	168	-	501526 106906
55	Contemporary Trade Directory Entries Name: Ab Autos Location: 1, London Road, Arundel, West Sussex, BN18 9BH Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (N)	177	-	501660 107178
56	Contemporary Trade Directory Entries Name: Rusper Print Location: Old Bank House, 1 High St, Arundel, West Sussex, BN18 9AD Classification: Printers Status: Active Positional Accuracy: Manually positioned to the address or location	A13NE (E)	184	-	501918 107032
57	Contemporary Trade Directory Entries Name: Blastreat (Arundel) Ltd Location: Fitzalan Road, Arundel, West Sussex, BN18 9JP Classification: Blast Cleaning Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (E)	210	-	501931 106892
58	Contemporary Trade Directory Entries Name: Designer Ironsmith Of Arundel Location: Old Bakery Workshop, Fitzalan Road, Arundel, West Sussex, BN18 9JS Classification: Blacksmiths & Forgemasters Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (E)	253	-	501990 106949
58	Contemporary Trade Directory Entries Name: Star Castle Service Station Location: Queen Street, Arundel, West Sussex, BN18 9JG Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (E)	274	-	502005 106918
59	Contemporary Trade Directory Entries Name: Strap It Location: 4-6, Queen Street, Arundel, West Sussex, BN18 9JG Classification: Nuts, Bolts & Fixings Status: Active Positional Accuracy: Manually positioned to the address or location	A13SE (E)	308	-	502039 106917
60	Contemporary Trade Directory Entries Name: Arundel Racing Farriers Location: The Forge, Castle Stables, Arundel, West Sussex, BN18 9AB Classification: Blacksmiths & Forgemasters Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A13NW (NW)	347	-	501472 107268
61	Contemporary Trade Directory Entries Name: Divine Art & Craft Ltd Location: 96, Fitzalan Road, Arundel, West Sussex, BN18 9JY Classification: Stained Glass Designers & Producers Status: Active Positional Accuracy: Automatically positioned to the address	A8NW (SW)	409	-	501440 106636
62	Contemporary Trade Directory Entries Name: G S P K Circuits (Printec) Ltd Location: 5, Fitzalan Road, Arundel, West Sussex, BN18 9JP Classification: Printed Circuit Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A8NW (SW)	500	-	501430 106534
63	Contemporary Trade Directory Entries Name: Arundel & District Hospital Location: Chichester Road, Arundel, West Sussex, BN18 0AB Classification: Hospitals Status: Active Positional Accuracy: Automatically positioned to the address	A12NE (W)	605	-	501087 107087
64	Contemporary Trade Directory Entries Name: Aquarius Cleaning Location: 30, Ford Road, Arundel, West Sussex, BN18 9EQ Classification: Carpet, Curtain & Upholstery Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (SW)	619	-	501154 106645

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
64	Contemporary Trade Directory Entries Name: Autoscuff Ltd Location: 46, Ford Road, Arundel, West Sussex, BN18 9EQ Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	668	-	501117 106613
64	Contemporary Trade Directory Entries Name: Autoscuff Ltd Location: 46, Ford Road, Arundel, West Sussex, BN18 9EQ Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	668	-	501117 106613
65	Contemporary Trade Directory Entries Name: Arundel Builders Merchants Ltd Location: The Causeway, Arundel, West Sussex, BN18 9JL Classification: Builders' Merchants Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A9NW (SE)	743	-	502352 106546
66	Contemporary Trade Directory Entries Name: Appletree Cleaning Location: 5, Pearson Road, Arundel, West Sussex, BN18 9HP Classification: Carpet, Curtain & Upholstery Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	838	-	500853 106839
67	Contemporary Trade Directory Entries Name: Chris Dancocks Location: 12, Ellis Close, Arundel, West Sussex, BN18 9LG Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	897	-	500783 106979
68	Contemporary Trade Directory Entries Name: Travis Perkins Location: The Causeway, Arundel, West Sussex, BN18 9JL Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A9SW (SE)	929	-	502367 106276
69	Fuel Station Entries Name: Arundel Service Station Location: Queen Street, ARUNDEL, West Sussex, BN18 9JG Brand: Texaco Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Manually positioned to the address or location	A13SE (E)	274	-	502005 106918

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
70	Environmentally Sensitive Areas Name: South Downs Multiple Areas: N Total Area (m2): 690432994.81 Source: Natural England	A13NE (NE)	178	6	501861 107131
71	National Parks Name: South Downs Multiple Area: N Area (m2): 1652679314.31 Source: Natural England Status: Fully Designated - designated as a National Park Designation Date: 2nd November 2009	A13NE (NE)	177	6	501836 107151
72	Nitrate Vulnerable Zones Name: Not Supplied Description: NVZ Area Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A13NE (S)	0	7	501712 106978
73	Sites of Special Scientific Interest Name: Arundel Park Multiple Areas: Y Total Area (m2): 1339793.12 Source: Natural England Reference: 1004038 Designation Details: Not Supplied Designation Date: 14th January 1987 Date Type: Notified	A13NW (N)	302	6	501611 107294

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Chichester District Council - Environmental Health Department Horsham District Council - Environmental Health Department Arun District Council - Environmental Health Department	July 2011 July 2011 June 2011	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Southern Region	April 2012	Quarterly
Enforcement and Prohibition Notices Environment Agency - Southern Region	June 2012	Quarterly
Integrated Pollution Controls Environment Agency - Southern Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control Environment Agency - Southern Region	April 2012	Quarterly
Local Authority Integrated Pollution Prevention And Control Chichester District Council - Environmental Health Department Horsham District Council - Environmental Health Department Arun District Council - Environmental Health Department	August 2011 January 2012 May 2012	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Controls Chichester District Council - Environmental Health Department Horsham District Council - Environmental Health Department Arun District Council - Environmental Health Department	August 2011 January 2012 June 2011	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Chichester District Council - Environmental Health Department Horsham District Council - Environmental Health Department Arun District Council - Environmental Health Department	August 2011 January 2012 May 2012	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Nearest Surface Water Feature Ordnance Survey	December 2011	Quarterly
Pollution Incidents to Controlled Waters Environment Agency - Southern Region	December 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Southern Region	June 2012	Monthly
Prosecutions Relating to Controlled Waters Environment Agency - Southern Region	June 2012	Monthly
Registered Radioactive Substances Environment Agency - Southern Region	April 2012	Quarterly
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	January 2011	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	January 2011	Annually
Substantiated Pollution Incident Register Environment Agency - Southern Region - Solent and South Downs Environment Agency - Southern Region - Sussex Area	April 2012 April 2012	Quarterly Quarterly
Water Abstractions Environment Agency - Southern Region	April 2012	Quarterly
Water Industry Act Referrals Environment Agency - Southern Region	April 2012	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	January 2011	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable

Agency & Hydrological	Version	Update Cycle
Bedrock Aquifer Designations British Geological Survey - National Geoscience Information Service	September 2011	Annually
Superficial Aquifer Designations British Geological Survey - National Geoscience Information Service	September 2011	Annually
Source Protection Zones Environment Agency - Head Office	April 2012	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	May 2012	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	May 2012	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	May 2012	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	May 2012	Quarterly
Flood Defences Environment Agency - Head Office	May 2012	Quarterly
Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Southern Region - Solent and South Downs Environment Agency - Southern Region - Sussex Area	January 2012 January 2012	Quarterly Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Southern Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Southern Region - Solent and South Downs Environment Agency - Southern Region - Sussex Area	April 2012 April 2012	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Southern Region - Solent and South Downs Environment Agency - Southern Region - Sussex Area	April 2012 April 2012	Quarterly Quarterly
Local Authority Landfill Coverage Arun District Council - Technical Support Unit Chichester District Council - Environmental Health Department Horsham District Council - Environmental Health Department West Sussex County Council - Environment & Development	May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Arun District Council - Technical Support Unit Chichester District Council - Environmental Health Department Horsham District Council - Environmental Health Department West Sussex County Council - Environment & Development	May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable
Registered Landfill Sites Environment Agency - Southern Region - Sussex Area	March 2003	Not Applicable
Registered Waste Transfer Sites Environment Agency - Southern Region - Sussex Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Southern Region - Sussex Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	May 2012	Bi-Annually
Explosive Sites Health and Safety Executive	June 2012	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Horsham District Council - Planning Department Chichester District Council - Planning Department Arun District Council - Technical Support Unit West Sussex County Council - Environment & Development	December 2011 January 2012 May 2011 October 2006	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Planning Hazardous Substance Consents Horsham District Council - Planning Department Chichester District Council - Planning Department Arun District Council - Technical Support Unit West Sussex County Council - Environment & Development	December 2011 January 2012 May 2011 October 2006	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	January 2010	Variable
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	April 2012	Bi-Annually
Brine Compensation Area Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Mining Report Service	August 2011	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	February 2011	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	February 2011	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	As notified

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	May 2012	Quarterly
Fuel Station Entries Catalist Ltd - Experian	February 2012	Quarterly
Sensitive Land Use	Version	Update Cycle
Areas of Outstanding Natural Beauty Natural England	February 2012	Bi-Annually
Environmentally Sensitive Areas Natural England	February 2012	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2012	Bi-Annually
Marine Nature Reserves Natural England	February 2012	Bi-Annually
National Nature Reserves Natural England	February 2012	Bi-Annually
National Parks Natural England	February 2012	Bi-Annually
Nitrate Sensitive Areas Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2012	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2012	Annually
Ramsar Sites Natural England	February 2012	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2012	Bi-Annually
Special Areas of Conservation Natural England	February 2012	Bi-Annually
Special Protection Areas Natural England	February 2012	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	
Centre for Ecology and Hydrology	
Countryside Council for Wales	
Scottish Natural Heritage	
Natural England	
Health Protection Agency	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
1	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
2	Arun District Council - Environmental Health Department Civic Centre, Maltravers Road, Littlehampton, Sussex, BN17 5LF	Telephone: 01903 737696 Fax: 01903 723936 Email: Environment@arun.gov.uk Website: www.arun.gov.uk
3	British Geological Survey - Enquiry Service British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
4	Health and Safety Executive Explosives Inspectorate, 1.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Telephone: 0151 951 3092 Fax: 0151 951 3891 Email: victoria.holloway@hse.gsi.go.uk Website: www.hse.gov.uk
5	Landmark Information Group Limited 5 - 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Telephone: 01392 441761 Fax: 01392 441709 Email: cssupport@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk
6	Natural England Northminster House, Northminster Road, Peterborough, Cambridgeshire, PE1 1UA	Telephone: 0845 600 3078 Fax: 01733 455103 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
7	Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
8	Arun District Council - Technical Support Unit Civic Centre, Maltravers Road, Littlehampton, Sussex, BN17 5LF	Telephone: 01903 737500 Fax: 01903 730442 Website: www.arun.gov.uk
9	West Sussex County Council - Environment & Development County Hall, Tower hall, Chichester, West Sussex, PO19 1RH	Telephone: 01243 777100 Website: www.westsussex.gov.uk
-	Health Protection Agency - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@hpa.org.uk Website: www.hpa.org.uk
-	Landmark Information Group Limited The Smith Centre, Henley On Thames, Oxfordshire, RG9 6AB	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

General

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

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

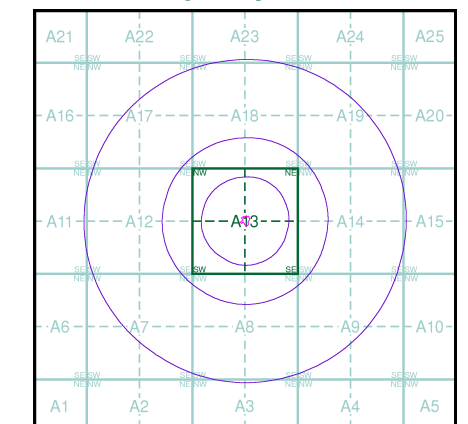
Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

Site Sensitivity Map - Slice A

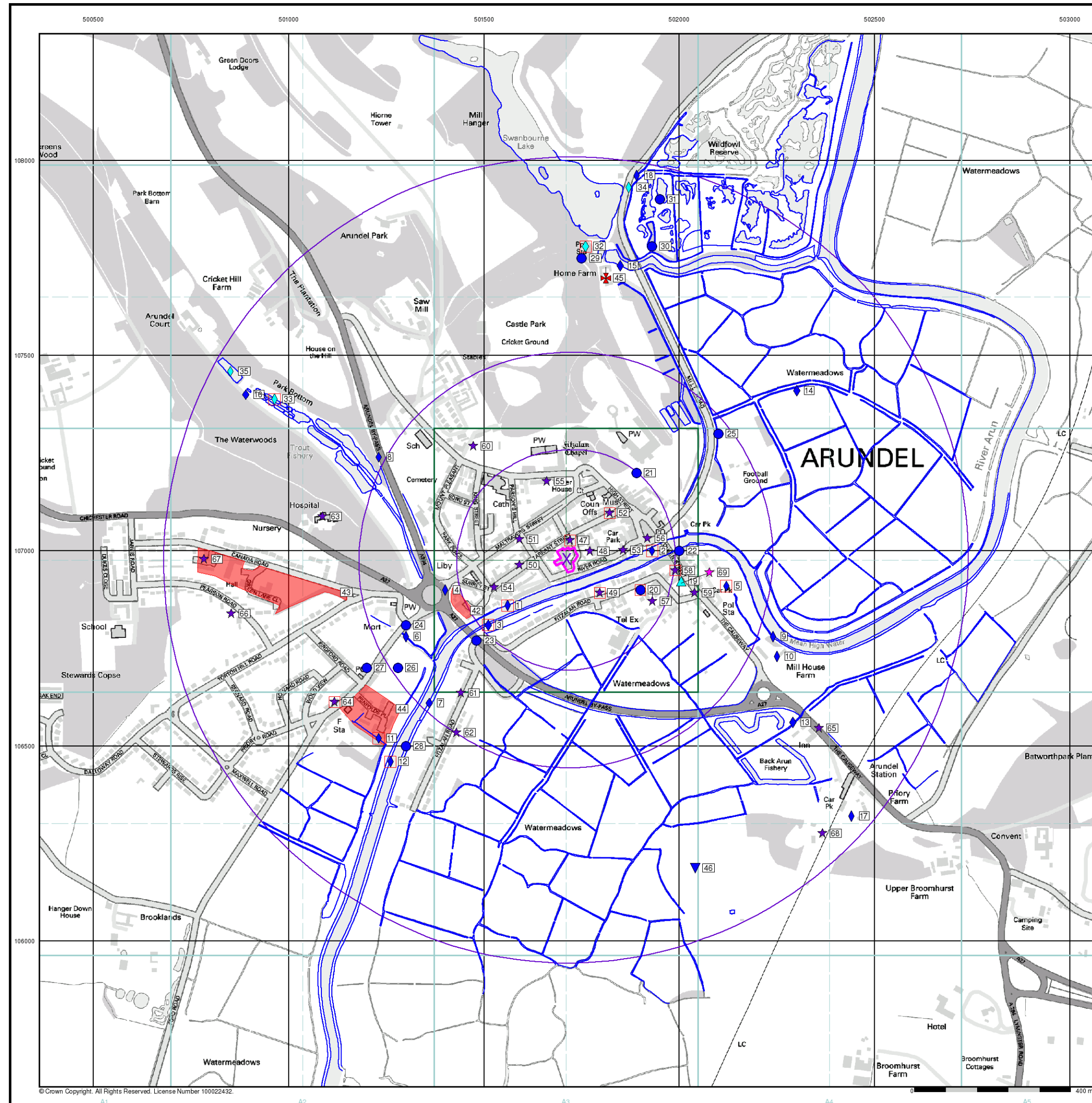


Order Details

Order Number: 39904508_1_1
 Customer Ref: LS 0550
 National Grid Reference: 501710, 106980
 Slice: A
 Site Area (Ha): 0.22
 Search Buffer (m): 1000

Site Details

Bevin Bevin & Co Ltd, River Road, ARUNDEL, West Sussex, BN18 9DH



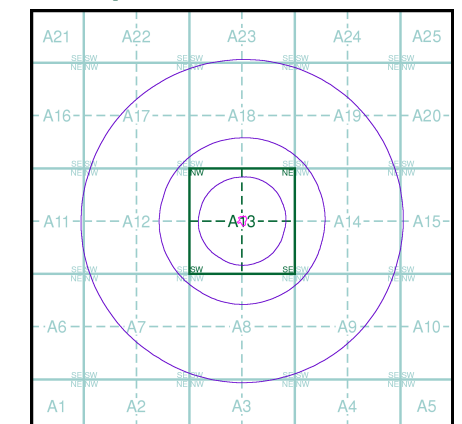
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A

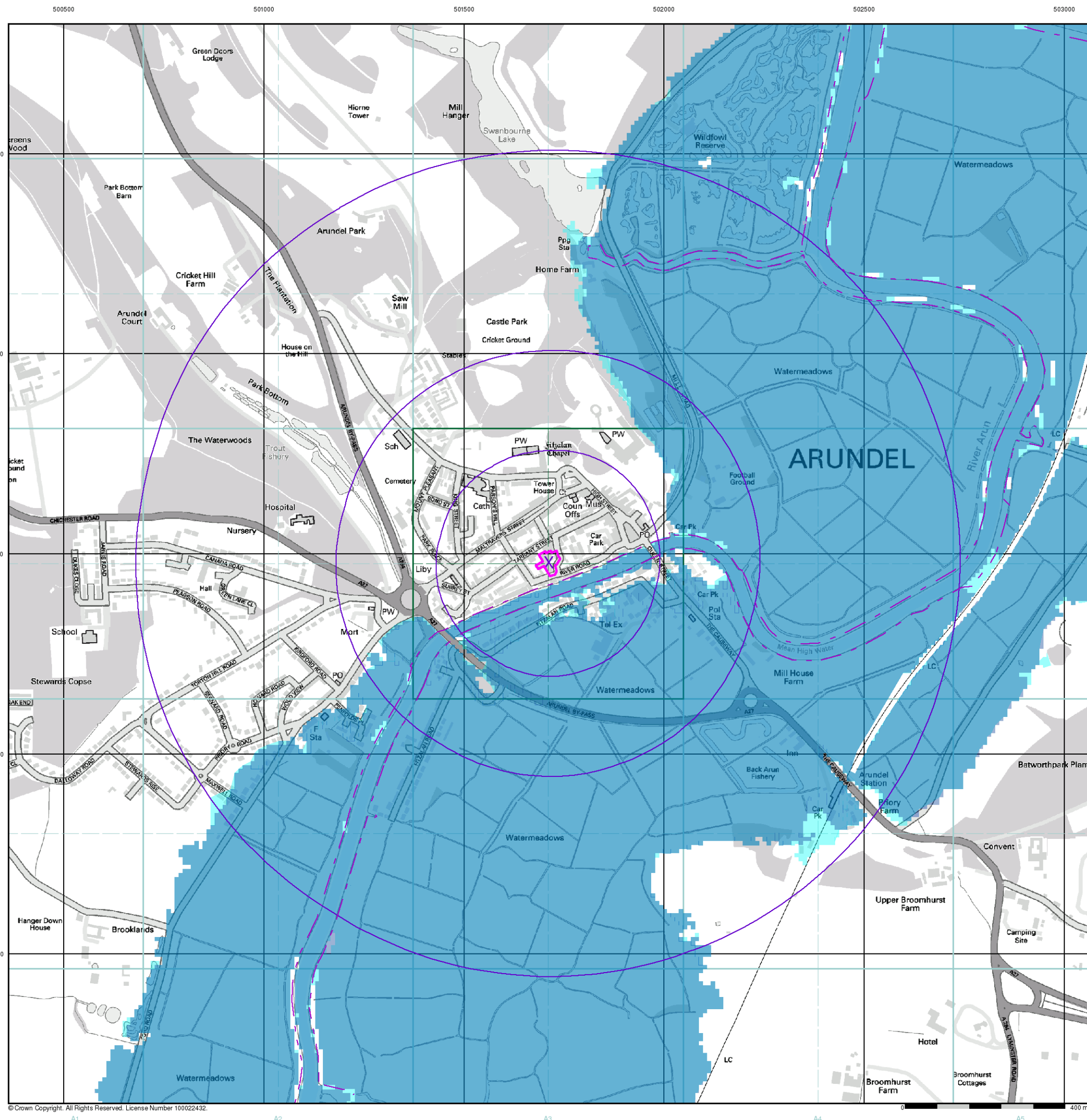


Order Details

Order Number: 39904508_1_1
 Customer Ref: LS 0550
 National Grid Reference: 501710, 106980
 Slice: A
 Site Area (Ha): 0.22
 Search Buffer (m): 1000

Site Details

Bevin Bevin & Co Ltd, River Road, ARUNDEL, West Sussex, BN18 9DH



General

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

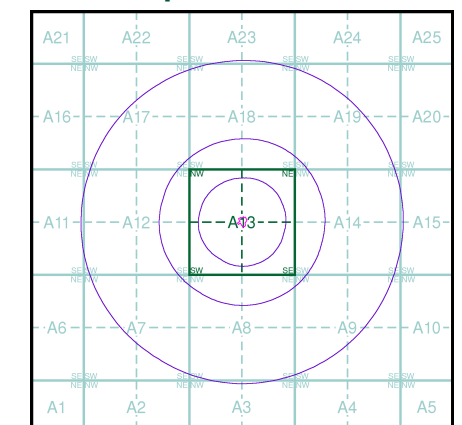
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A

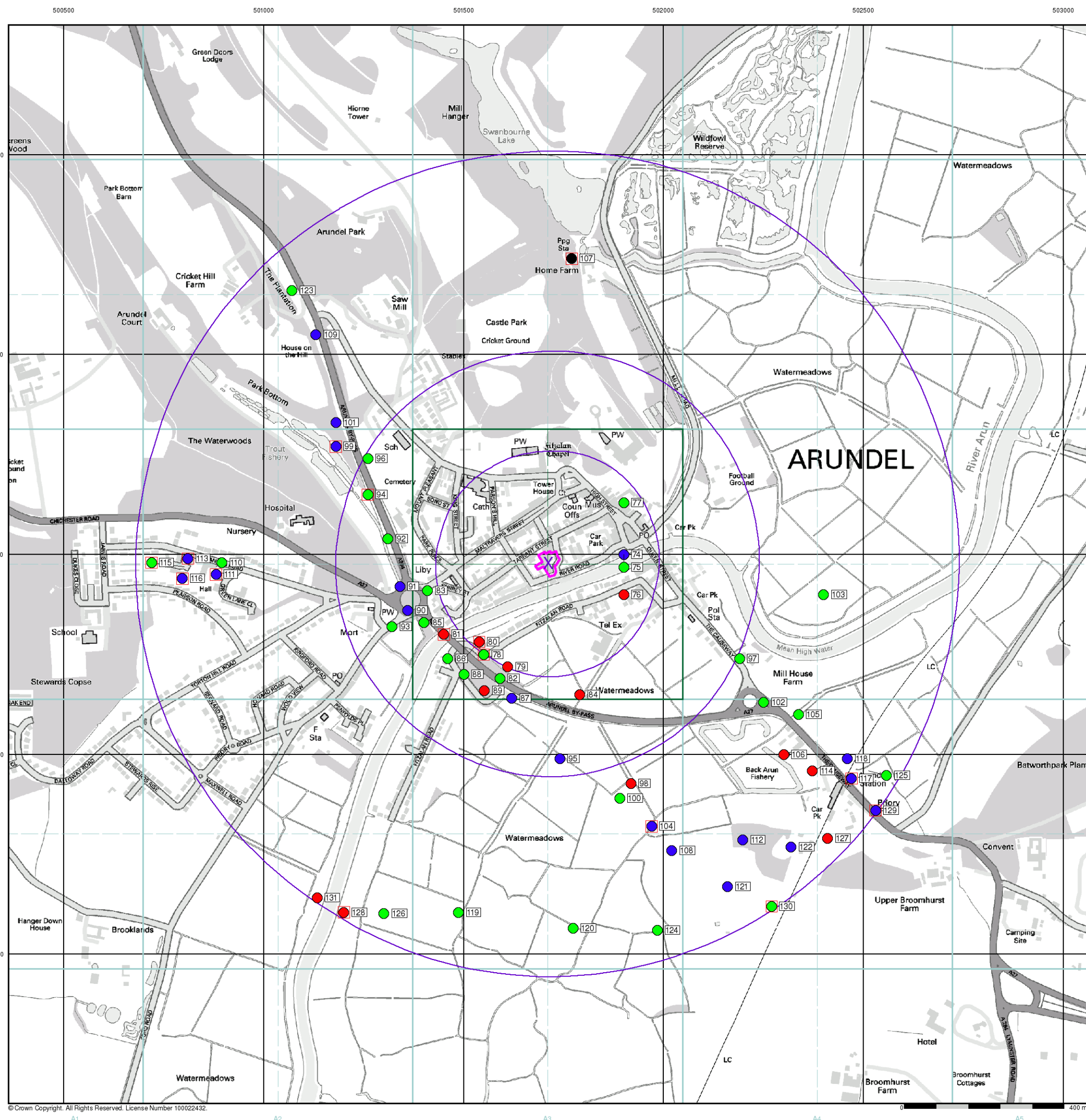


Order Details

Order Number: 39904508_1_1
 Customer Ref: LS 0550
 National Grid Reference: 501710, 106980
 Slice: A
 Site Area (Ha): 0.22
 Search Buffer (m): 1000

Site Details

Bevin Bevin & Co Ltd, River Road, ARUNDEL, West Sussex, BN18 9DH

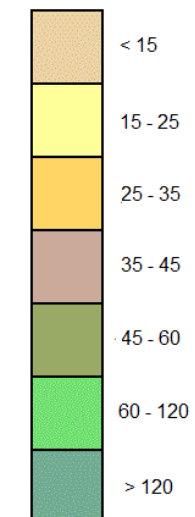


General

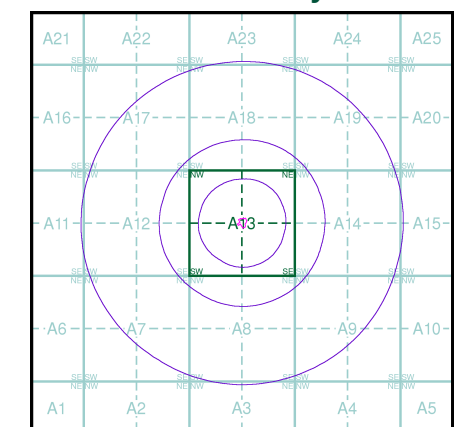
 Specified Site
  Specified Buffer(s)
  Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A

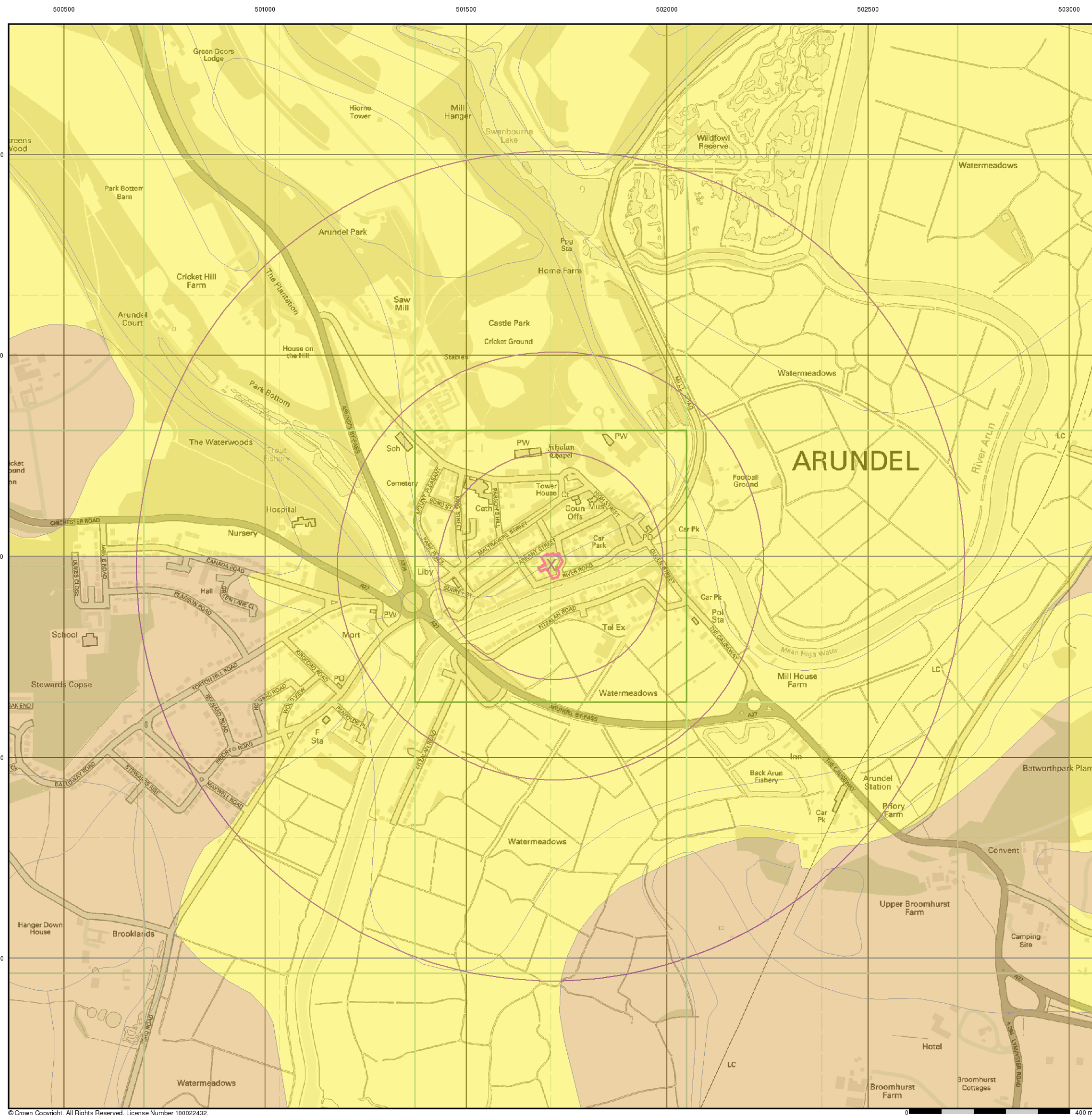


Order Details

Order Details: 39904508_1_1
 Customer Ref: LS 0550
 National Grid Reference: 501710, 106980
 Slice: A
 Site Area (Ha): 0.22
 Search Buffer (m): 1000

Site Details

Bevin Bevin & Co Ltd, River Road, ARUNDEL, West Sussex, BN18 9DH

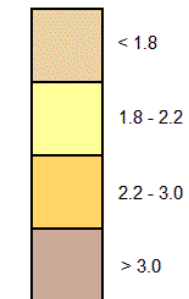


General

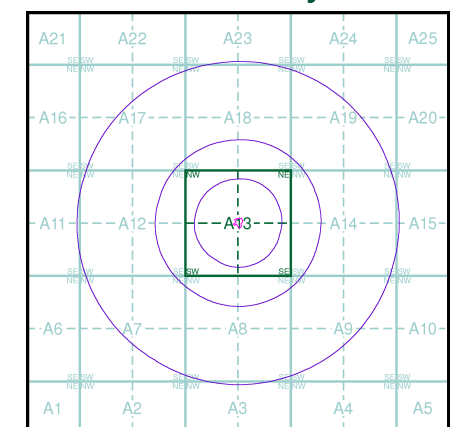
 Specified Site  Specified Buffer(s)  Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A

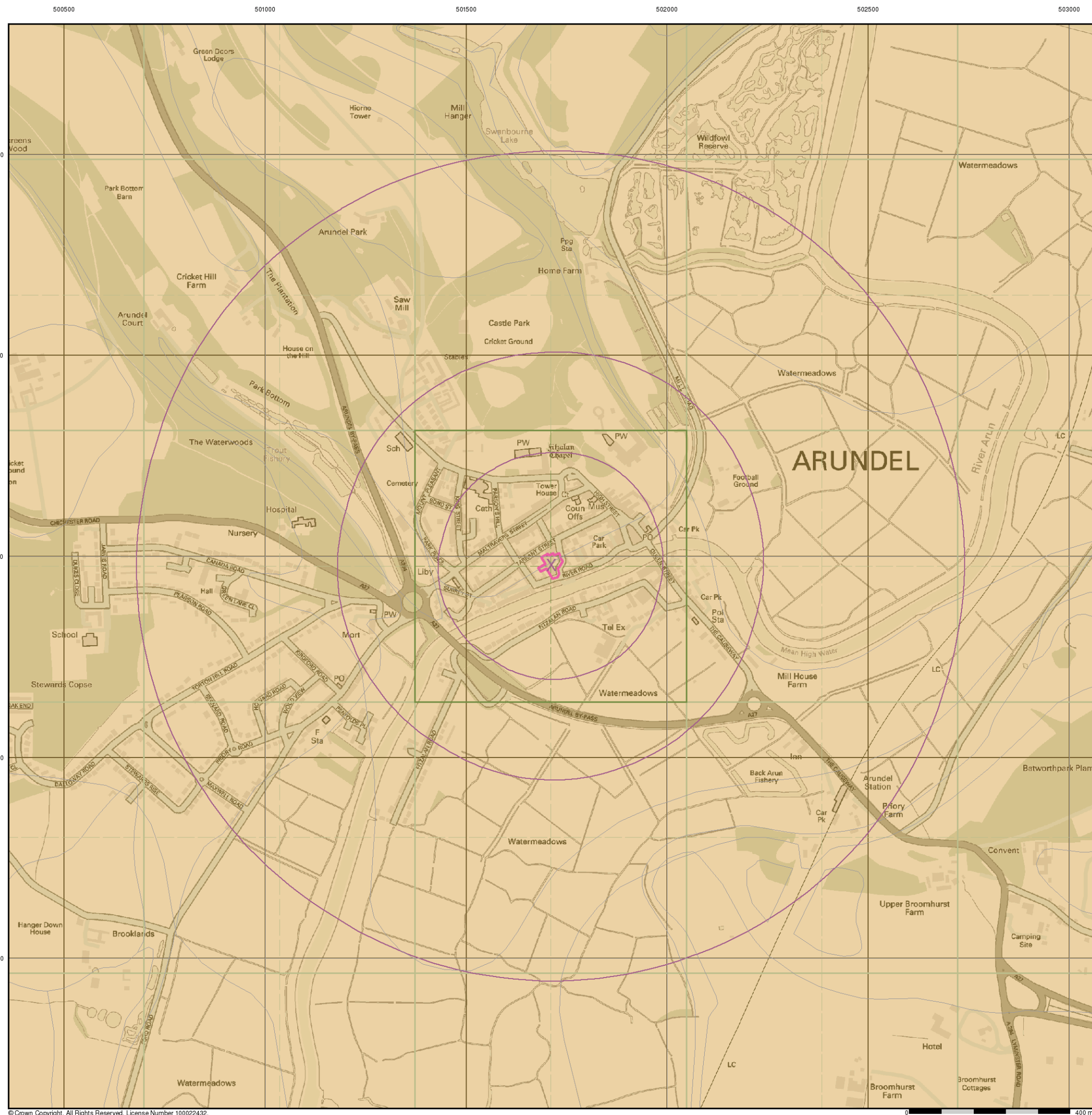


Order Details

Order Details: 39904508_1_1
Customer Ref: LS 0550
National Grid Reference: 501710, 106980
Slice: A
Site Area (Ha): 0.22
Search Buffer (m): 1000

Site Details

Bevin Bevin & Co Ltd, River Road, ARUNDEL, West Sussex,
BN18 9DH

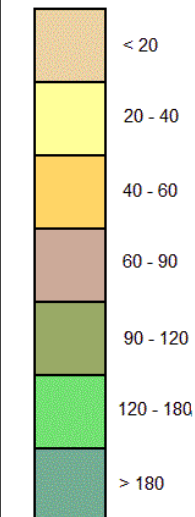


General

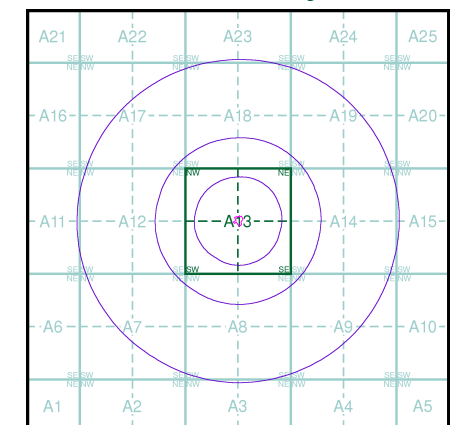
 Specified Site
  Specified Buffer(s)
  Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A



Order Details

Order Details: 39904508_1_1
 Customer Ref: LS 0550
 National Grid Reference: 501710, 106980
 Slice: A
 Site Area (Ha): 0.22
 Search Buffer (m): 1000

Site Details

Bevin Bevin & Co Ltd, River Road, ARUNDEL, West Sussex, BN18 9DH

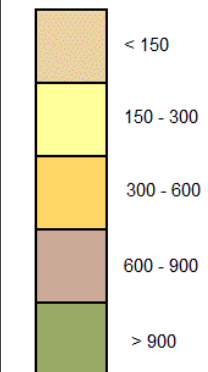


General

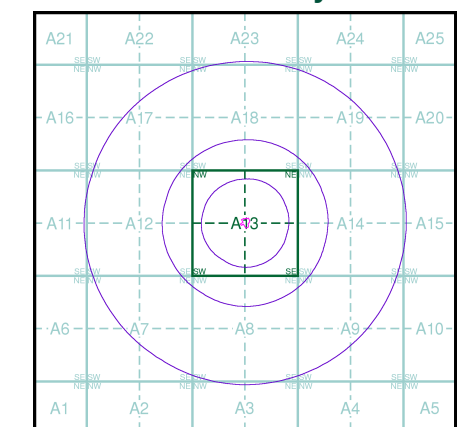
 Specified Site
  Specified Buffer(s)
  Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A

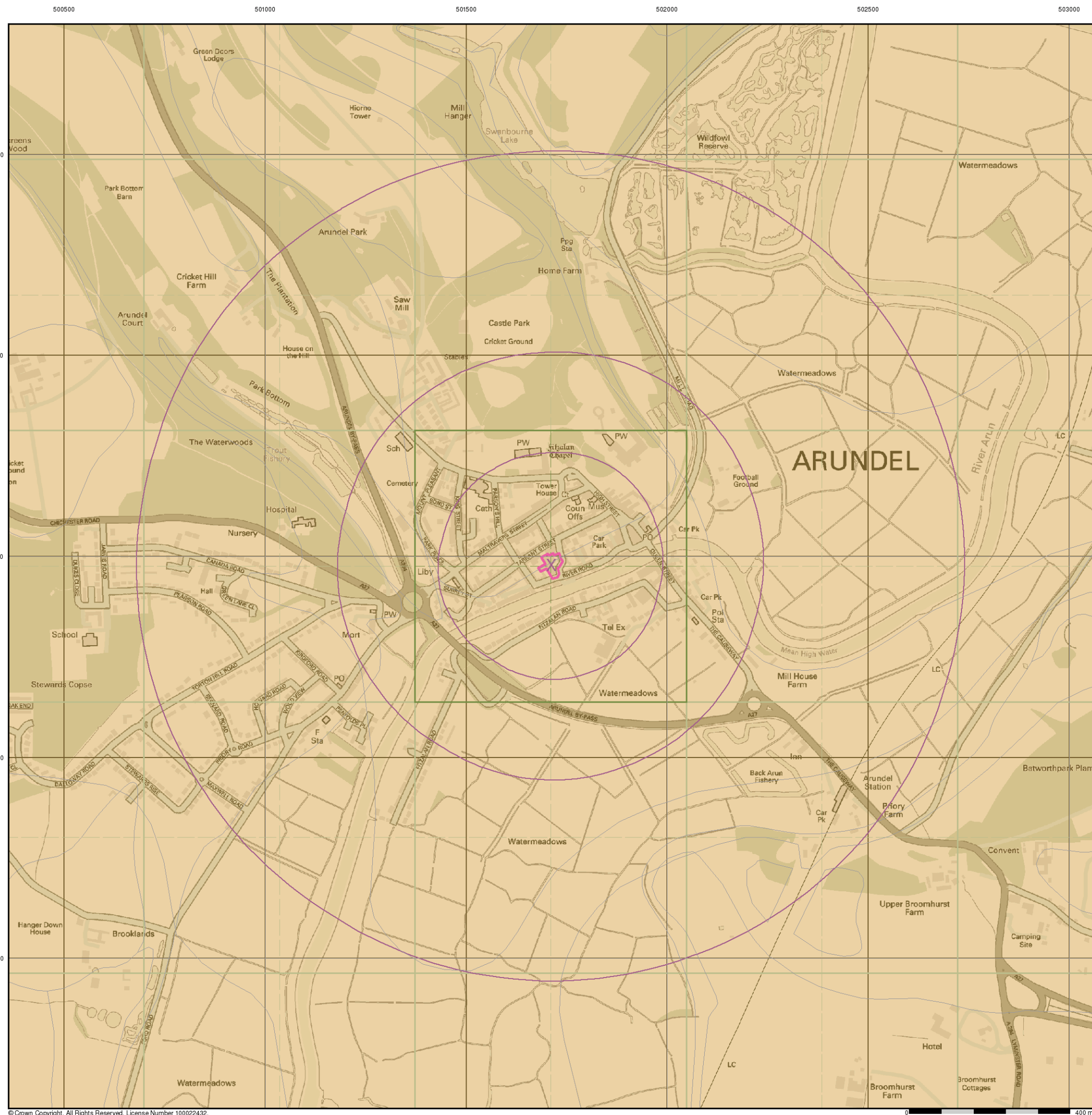


Order Details

Order Details: 39904508_1_1
 Customer Ref: LS 0550
 National Grid Reference: 501710, 106980
 Slice: A
 Site Area (Ha): 0.22
 Search Buffer (m): 1000

Site Details

Bevin Bevin & Co Ltd, River Road, ARUNDEL, West Sussex, BN18 9DH

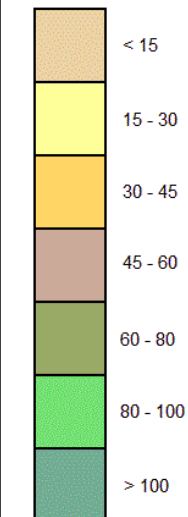


General

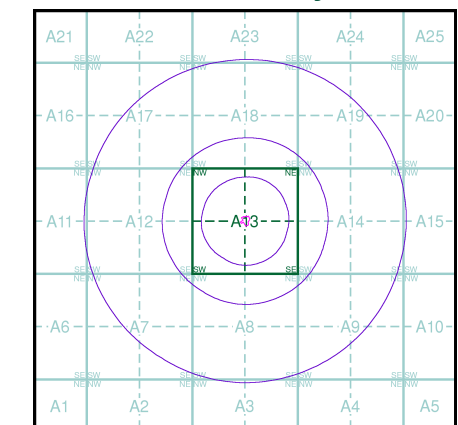
 Specified Site
  Specified Buffer(s)
  Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A

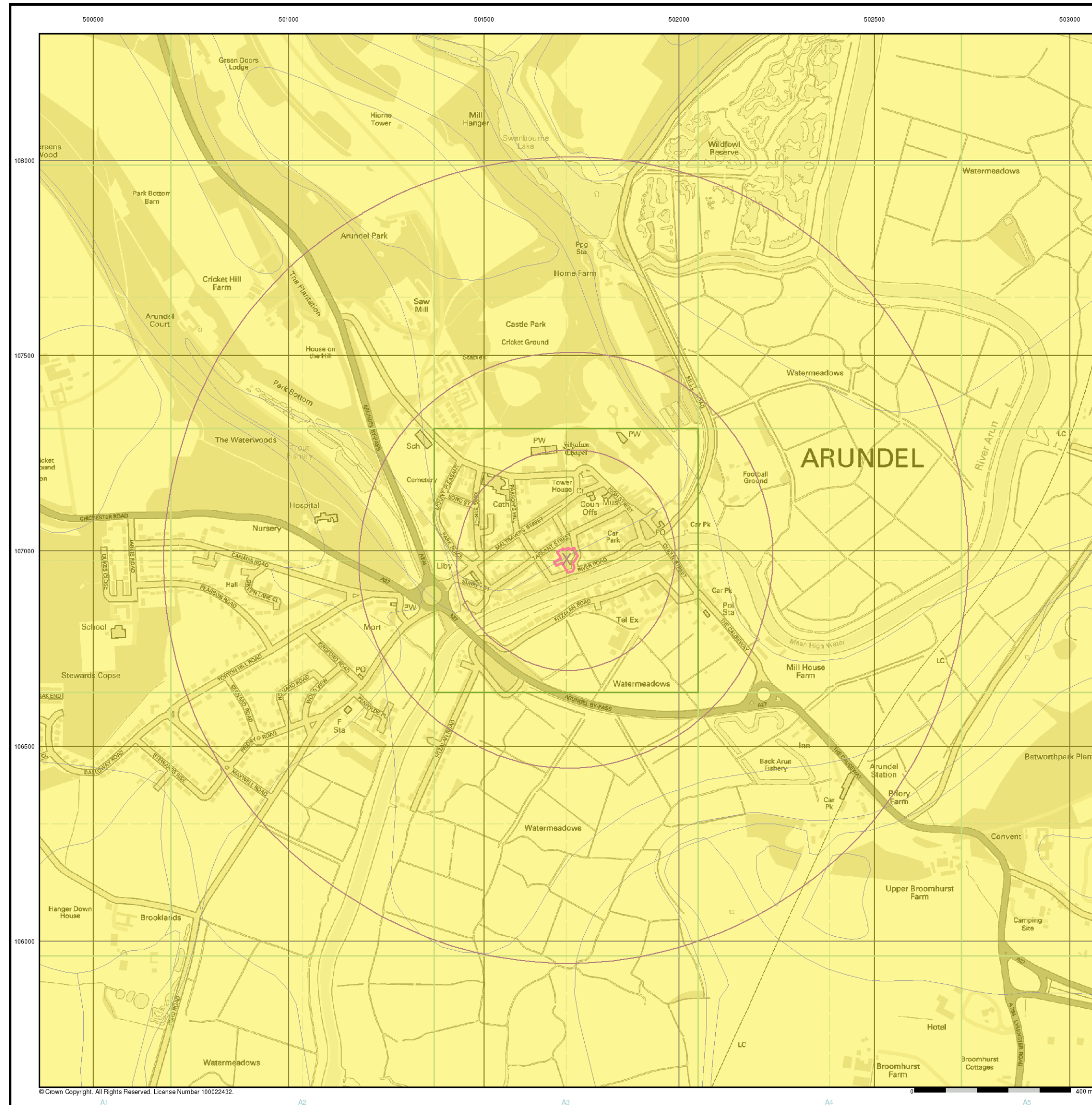


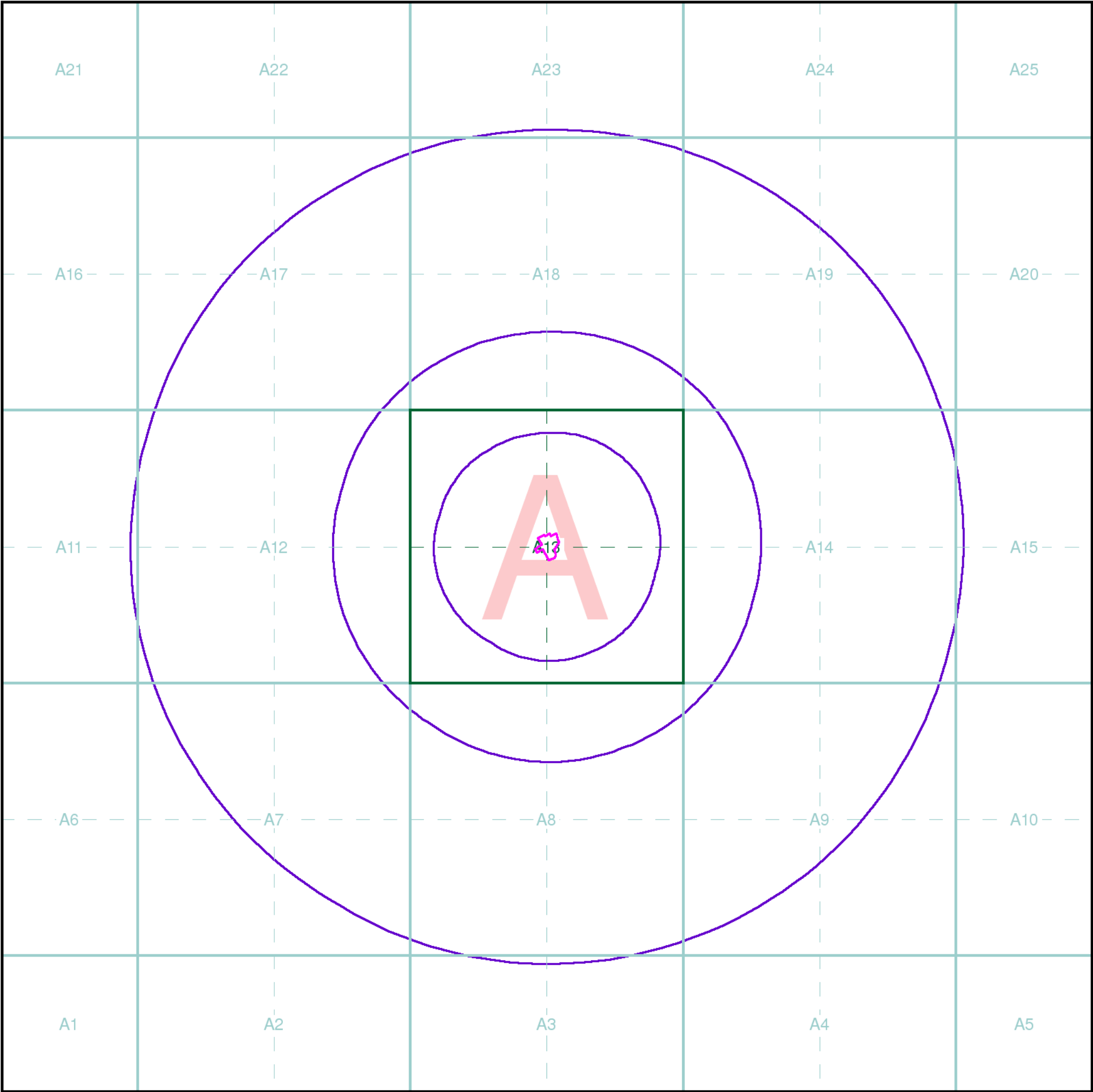
Order Details

Order Details: 39904508_1_1
 Customer Ref: LS 0550
 National Grid Reference: 501710, 106980
 Slice: A
 Site Area (Ha): 0.22
 Search Buffer (m): 1000

Site Details

Bevin Bevin & Co Ltd, River Road, ARUNDEL, West Sussex, BN18 9DH





Index Map

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

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

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

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

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Prepared For
T Hollister (Chertsey) Ltd

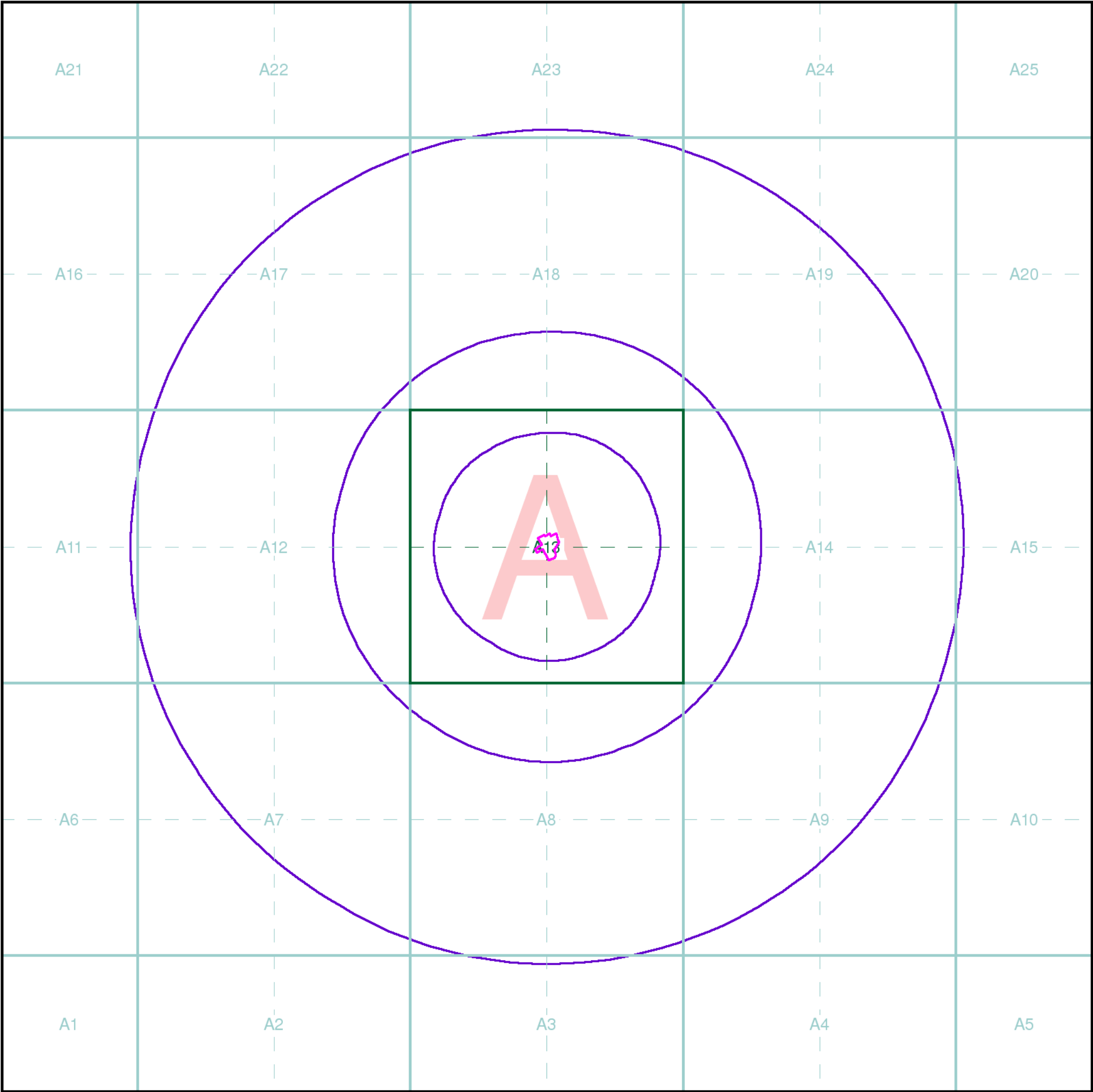
Client Details
Mr E Toms, Land Science Brighton Ltd, Carlton House, 28-29 Carlton Terrace, Hove, East Sussex, BN41 1UR

Order Details
Order Number: 39904508_1_1
Customer Ref: LS 0550
National Grid Reference: 501710, 106980
Site Area (Ha): 0.22
Search Buffer (m): 1000

Site Details
Bevin Bevin & Co Ltd, River Road, ARUNDEL, West Sussex, BN18 9DH

Full Terms and Conditions can be found on the following link:
<http://www.landmarkinfo.co.uk/Terms/Show/430>





Index Map

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

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

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

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

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Prepared For
T Hollister (Chertsey) Ltd

Client Details
Mr E Toms, Land Science Brighton Ltd, Carlton House, 28-29 Carlton Terrace, Hove, East Sussex, BN41 1UR

Order Details
Order Number: 39904393_1_1
Customer Ref: LS 0550
National Grid Reference: 501710, 106980
Site Area (Ha): 0.22
Search Buffer (m): 1000

Site Details
Bevin Bevin & Co Ltd, River Road, ARUNDEL, West Sussex, BN18 9DH

Full Terms and Conditions can be found on the following link:
<http://www.landmarkinfo.co.uk/Terms/Show/430>



APPENDIX C

TP 0200 0697

222

ARUNDEL

Coal yard

W.S. Sn. 1. p. 8 1899

Recent Deposits (Drift)	{ Marsh clay	20	} 38 ft.
	{ Sand and shingle	18	
Upper Chalk	Marl and Chalk	25-28'	63-66'

Approx. position of coal yard known, but no trace of well remains.

6' ~~Survey~~ Sussex 63NW. O.D. + 10. Sited (Δ) on 6" map.

25/2/41. S.F.B.

Re-sited from information on field slip (see below).

below). etc.

9/1890. Hounsom. Coal yard, ARUNDEL

Bore 6 in

- By Dando, before 1897

No further informⁿ records at HQ (London).

Depth 63 ft.

F.W. Ockendon

(information from F.W. O. records at Basingstoke, May, 1941, S.C.H.)

Well at Arundel Coal Yard (Duke + Ockendon) (north end of the bridge)

Drift	{	Alluvium 20'	{	Marsh clay 20'
		V. yellow 18'		Sand + shingle 18'
U. Chalk	29'			Chalk 66' (or 63')

ARUN DISTRICT COUNCIL AB105/13/L

See note by H.C. Reid on back of 6" field slip 63 NW/W. Approx. site indicated

Made by Duke and Ocken den Date 1932 [?]
Sunk — feet. Bored to 30 feet.

Communicated by D. O.

Height above Ordnance Datum about 20 ft. Rest-level of water —

Yield —

Quality (with copy of analysis on separate sheet) 019 070

British Geological Survey

GEOLOGICAL FORMATION.

NATURE OF STRATA.

TQOONW-1

British Geological Survey

Drift

Upper Chalk

Mud - River bed
Blue and brown clay
Brown clay
Large gravel
Sand and gravel
Chalk

British Geological Survey

THICK.			DEPTH.	
Feet.	Inches.	M	Feet.	Inches.
3	-	(0.4)	3	-
2	-	(1.3)	5	-
3	-	(2.4)	8	-
2	-	(3.4)	10	-
7	-	(5.4)	17	-
13	-	(9.4)	30	-

"4.6.6"

17.9.32.

British Geological Survey

British Geological Survey

British Geological Survey

Site - Trial boring for foundations at the River Bridge, in river bed on south-west side of bridge.

British Geological Survey

British Geological Survey

British Geological Survey

TQOONW-2

British Geological Survey

Alluvium

Upper Chalk

British Geological Survey

Light brown clay
Blue clay
Blue sandy clay
Brown sandy clay and flints
Large gravel
Fine gravel
Soft. Chalk
Few flints at 45 ft.

British Geological Survey

4	-	(1.22)	4	-
2	-	(1.3)	6	-
12	-	(5.4)	18	-
8	-	(7.4)	26	-
1	-	(8.2)	27	-
7	-	(10.2)	34	-
16	-	(12.4)	50	-

British Geological Survey

R.F.W. 14.12.81

Site Trial boring for foundations at the River Bridge, on river bank, north-east side of bridge.

British Geological Survey

British Geological Survey

British Geological Survey

British Geological Survey

British Geological Survey

British Geological Survey

TQ00 NW/67
019 070

317/222

ARUNDEL

British Geological Survey

Coal yard

British Geological Survey

British Geological Survey

W.S.S.N. 1. p. 8 1899

British Geological Survey

British Geological Survey

British Geological Survey

Recent Deposits (Drift)	{	Marsh clay	20	} 38 ft. (11.6m)
		Sand and shingle	18	
Upper Chalk		Marl and chalk	25-28'	63-66' (20.1m)

British Geological Survey

British Geological Survey

British Geological Survey

Approx. position of coal yard known, but no trace of well remains.

6" Survey Sussex 63NW. O.D. + 10. Sited (Δ) on 6" map.
28/2/41. S.F.B. Re-sited from information on field slip (see below). etc.

British Geological Survey

British Geological Survey

British Geological Survey

9/1890. Haslemere. Coal yard, ARUNDEL.

Bore 6 in.

- By Dando,
before 1897

British Geological Survey

No further information records at D.O. (London).

British Geological Survey

Depth 63 ft.

British Geological Survey

F.W. Ockendon

(information from F.W.O. records at
Basingstoke, May, 1961, 1964.)

British Geological Survey

Well at Arundel Coal Yard (Duke & Ockendon) (north end of the bridge)

Drift	{	Albion 20'	{	Marsh clay 20'
		Village gravel 18' (25 ft)		Sand & shingle 18'
U. Chalk		28'		Chalk 66' (or 63')

M.H. 20/2/73

See note by H.C. Reid on back of 6" field slip 63 NW/W. Approx. site indicated.

DATA Bank

British Geological Survey

British Geological Survey

British Geological Survey

APPENDIX D



Photograph 1 - View looking north towards the office within the centre of the site



Photograph 2 - View looking south west towards the south western corner of the site



Photograph 3 - View looking west from the north western corner of the site

TITLE: Site Photographs			REF: LS0550
PROJECT: Bevin & Bevin, Brewery Hill, Arundel, BN18 9DH			VERSION v1
CLIENT: T Holister (Chertsey) Ltd			Photos: 1 to 3
PREPARED: MR	CHECK: ET	DATE: 05/07/2012	SHEET No: page: 1 of 6



Photograph 4 - View looking south towards the south eastern corner of the site



Photograph 5 - View looking west from the centre of the site



Photograph 6 - View looking north towards the north western corner of the site

TITLE: Site Photographs			REF: LS0550
PROJECT: Bevin & Bevin, Brewery Hill, Arundel, BN18 9DH			VERSION v1
CLIENT: T Holister (Chertsey) Ltd			Photos: 4 to 6
PREPARED: MR	CHECK: ET	DATE: 05/07/2012	SHEET No: page: 2 of 6



Photograph 7 - View of the location of the former above ground diesel tank



Photograph 8 - View of the position of the former buried petrol tank



Photograph 9 - View of the cover of the former buried petrol tank

TITLE: Site Photographs			REF: LS0550
PROJECT: Bevin & Bevin, Brewery Hill, Arundel, BN18 9DH			VERSION v1
CLIENT: T Holister (Chertsey) Ltd			Photos: 7 to 9
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Photograph 10 - View inside the third floor of the above the offices



Photograph 11 - View inside the of the warehouse room within the centre of the site



Photograph 12 - View inside the southern most warehouse room

TITLE: Site Photographs			REF: LS0550
PROJECT: Bevin & Bevin, Brewery Hill, Arundel, BN18 9DH			VERSION v1
CLIENT: T Holister (Chertsey) Ltd			Photos: 10 to 12
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Photograph 13 - View looking west inside the most westwards part of the warehouse

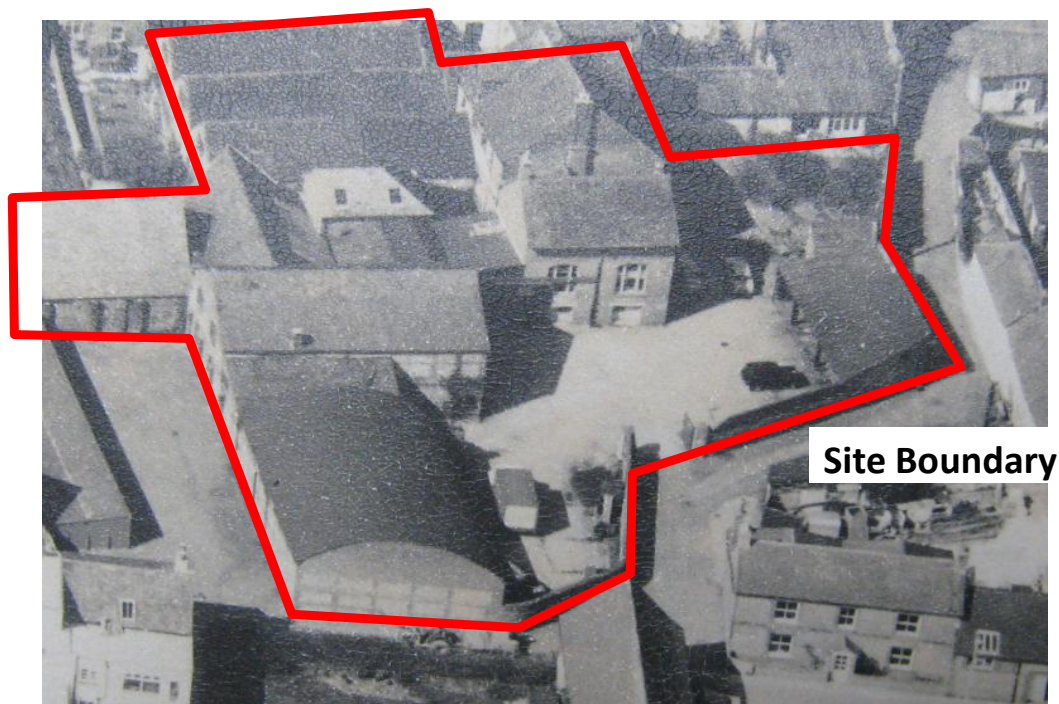


Photograph 14 - View looking north within the northern most warehouse building



Photograph 15 - View of the Quaker burial ground to the north of the site on Tarrant Street

TITLE: Site Photographs			REF: LS0550
PROJECT: Bevin & Bevin, Brewery Hill, Arundel, BN18 9DH			VERSION v1
CLIENT: T Holister (Chertsey) Ltd			Photos: 13 to 15
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Photograph 16 - Historic aerial photograph looking north across the site (date unknown)



Photograph 17 - View looking west towards the eastern boundary of the site



Photograph 18 - View looking north from the south western corner of the site

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PROJECT: Bevin & Bevin, Brewery Hill, Arundel, BN18 9DH			VERSION v1
CLIENT: T Holister (Chertsey) Ltd			Photos: 16 to 18
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