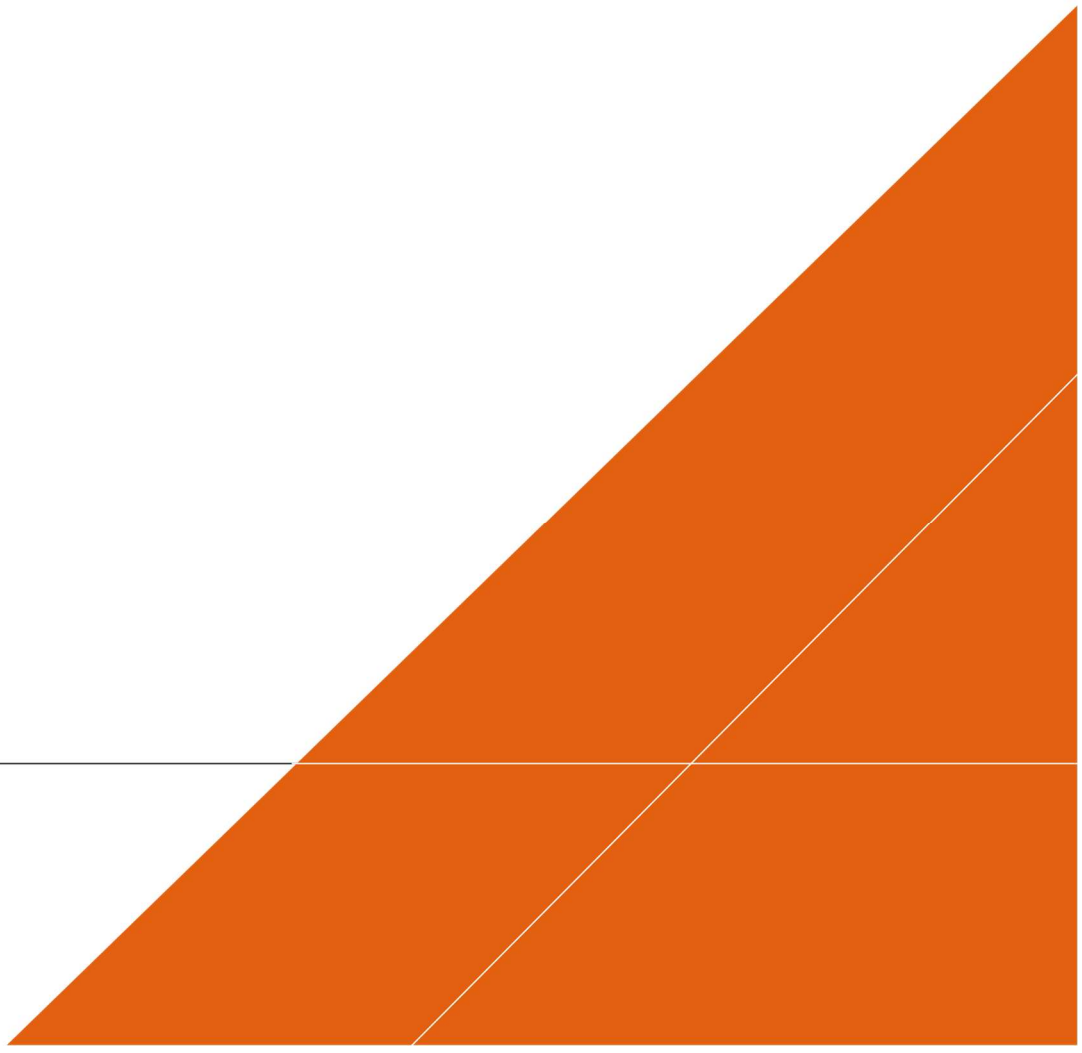
ARCADIS Design & Consultancy for natural and built assets

TFL_PSF_9131 SITE INVESTIGATIONS: SMALL SITES INITIATIVE
LAND AT ARBUTHNOT LANE

Geotechnical and Geo-Environmental Desk Study

FEBRUARY 2019



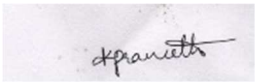
Incorporating

EC HARRIS BUILT ASSET CONSULTANCY

Hyder

Land at Arbuthnot Lane

Geotechnical and Geo-Environmental Desk Study

Author	Praneeth Kadambala 
Checker	Andrew Watts 
Approver	Tony Windsor 
Report No	10024781-ARC-03-XX-RP-YY-0001-01-Geo Report
Date	FEBRUARY 2019

VERSION CONTROL

Version	Date	Author	Changes
01	7th February 2019	Praneeth Kadambala	1st Issue

This report dated 06 February 2019 has been prepared for Transport for London (the "Client") in accordance with the terms and conditions of appointment dated 02 May 2017(the "Appointment") between the Client and Arcadis Consulting (UK) Limited ("Arcadis") for the purposes specified in the Appointment. For avoidance of doubt, no other person(s) may use or rely upon this report or its contents, and Arcadis accepts no responsibility for any such use or reliance thereon by any other third party.

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1 INTRODUCTION

1.1 Terms of Reference

Arcadis Consulting (UK) Limited (Arcadis) has been commissioned by Transport for London (TfL) 'the Client' to undertake a number of technical surveys for a site at 71 Arbuthnot Lane, London ('the Site').

TfL is aiming to divest a number of small sites to enable positive regeneration. The objective of this review is to identify potential development constraints due to geotechnical and geo-environmental conditions on Site based on the findings of this desk study.

The objectives of this review are to:

- Review geo-environmental information regarding the Site and its surrounding area;
- Provide outline information on potential geo-environmental and geotechnical constraints which may impact on the land value or redevelopment potential for the site; and
- Identify potential development constraints due to geotechnical and geo-environmental conditions on Site.

The site location is shown in Figure 1 below.



Figure 1: Site Location Plan provided by TfL

1.2 Sources of Information

As part of this desk study report various sources of information have been used and are detailed below:

- The on-line British Geological Survey (BGS) Geology of Britain Map Viewer (Ref. 1);
- Historical borehole records available through BGS website (above) (Ref. 1);
- Historical Ordnance Survey maps obtained from Landmark Envirocheck (included in Appendix A);
- Environmental Information from Landmark Envirocheck Datasheet and Site Sensitivity Map (Appendix B);
- Current publicly available aerial images and maps from Google maps (Ref. 2);
- Zetica Regional Unexploded Ordnance Map (Appendix C); and
- Unexploded Ordnance data obtained from Bomb Sight National Archives website (Ref. 3).

1.3 Limitations and Expectations

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This report has been compiled from a number of sources, which Arcadis believes to be trustworthy. However, Arcadis is unable to guarantee the accuracy of information provided by others. The report is based on information available at the time. Consequently, there is a potential for further information to become available, which may change this report's conclusion and for which Arcadis cannot be responsible.

2 SITE SETTING AND HISTORY

2.1 Site Location

Table 2.1:Details relating to Site Location

Site Location / Address	71 Arbuthnot Lane, London, DA5 1HD
National Grid Reference	548580, 174350
Approximate Site Area	The Site is roughly triangular in shape and covers an area of approximately 0.13 hectares.
Description of Site	The site is a vacant parcel of land situated between Arbuthnot Lane (to the west) and Rochester Way - A2 (to the south). The land slopes down towards the A2 from Arbuthnot lane, the slope is not smooth and includes an initial bank, followed by a large flat area before a second bank down to the A2. The site is bordered by a wooden fence lined with tall bushes along the eastern boundary which separates it from detached houses to the east. There is a metal barrier that runs along the northwest boundary with a locked gate at one end. The site is predominantly a grassed area with a number of different semi mature / mature trees dotted across the site. There is evidence of small amount of litter along the length of these bushes. A concreted manhole is also present towards the south-east end of the site.
Topography	The site is at an average elevation of approximately 35m Above Ordnance Datum (AOD). The topography of the site slopes down towards the A2 (to the south) from Arbuthnot lane (to the west). The slope is not smooth, there is an initial bank followed by a large flat area before a second bank down to the A2.
Surrounding Area	The Site lies within a predominantly residential area comprising detached houses to the north and east off Arbuthnot Lane, and residential buildings lie beyond Rochester Way to the south. Upton Primary School is located approximately 100m to the north of the site, while the Townley Grammar School for Girls is located approximately 180m east of the site.

2.2 Site History

A review of the available historical Ordnance Survey maps (Appendix A) has been undertaken to assess the historical development of the Site and surrounding areas.

It is not the intention of this report to provide a full history, but to identify those past uses on and within the vicinity of the Site that could have resulted in contamination of the soils and/or waters. Significant changes to the land use of the Site and surrounding areas are summarised in Table 2.2 below.

Table 2.2 History of Site and Surrounding Area

Date	Historical Development (Site and Surrounding Area)
1870 - 1895	The Site is undeveloped land. The surrounding area is undeveloped predominantly comprising agricultural fields with an orchard approximately 100m southeast and few buildings (likely to be agricultural) approximately 100m southwest. An unnamed track/road is marked adjacent to the northwest boundary of the site. A pond is marked approximately 280m to the northeast. A Weir associated with River Bourne is present approximately 300m south of the site.

Date	Historical Development (Site and Surrounding Area)
1897 - 1921	No significant changes are noted on the site. The highway recorded along the northwest boundary is now marked as Arbuthnot Lane. The River Bourne is renamed as River Shuttle. A Gas Works is marked approximately 280m southwest of the site.
1931	One residential building is marked within the north of the site. Gas Works are no longer marked. Rochester Way developed to the immediate south of the site. Residential development is recorded within the immediate surrounding area except to the south. A Nursery is marked 200m to the southwest. The Pond to the northeast of the site is no longer recorded and is assumed to have been infilled.
1936 - 1951	Two more residential building are developed adjacent west to the previous building within the north of the site. Further residential development takes place within the surrounding area. The Nursery is no longer marked.
1960	No significant changes are noted on site. Further residential development takes place adjacent to the eastern boundary. The Upton Primary School is recorded approximately 100m to the north of the site, while the Townley Grammar School for Girls is recorded approximately 180m east of the site.
1972 - 1979	The buildings on site are demolished around 1975 and the site appears undeveloped with slopes along the west and south boundary. The site is in a similar configuration to the present day. A bridge is constructed adjacent to the eastern boundary of the site to take Arbuthnot Lane over Rochester Way, several houses approximately 100m south west of the site have been demolished. Electricity substation is recorded approximately 70m to the southeast of the site.
1985 - 1999	No significant changes are noted on site. Further residential development to the southeast.
2006 - 2018	No significant changes are noted on site. Expansion of the schools present in the east and north of the site.
2019 (from publicly available aerial photography)	The site is an undeveloped grassed area with semi-mature/mature trees through the site and tall bushes along the eastern boundary. A concrete manhole is present in the southeast corner of the site. No significant changes are observed. The Rochester Way to the south is also marked as A2.

2.2.1 Summary of Site History

The site was previously developed as housing, which was demolished circa 1975 so there is potential for Made Ground to be present. Furthermore, Made Ground deposits may be associated with the construction of the Arbuthnot Lane Bridge.

There is an electricity substation 70m southeast of the site from 1972. A Gas works was present 280m southwest to the site from 1897 to 1921. Based on the location of River Shuttle to the south of the site, and the local topography, the hydraulic gradient is expected to be in a south-easterly direction. As these sources are down hydraulic gradient from the site they are considered unlikely to have impacted the site.

2.3 Unexploded Ordnance

With reference to the Zetica Unexploded Bomb Risk report for the site (Appendix C), the Site is designated as lying within an area denoted as “low to moderate” bomb risk. Further reference has been made to the Bomb Sight National Archives (Ref. 3) which indicates that no High Explosive bombs were dropped within approximately 100m around the Site.

A pre-desk study assessment (PDSA) was obtained from Zetica (Appendix C) which states that during World War II the Site was located in the Municipal Borough of Bexley, which officially recorded 660 High Explosive (HE) bombs with a regional bombing density of 135.6 bombs per 405 hectares. Records indicate that several High Explosive bombs fell in close proximity to the Site.

The PDSA recommends that a detailed desk study needs to be commissioned to assess, and potentially zone, the UXO hazard level on the Site.

3 PHYSICAL AND ENVIRONMENTAL SETTING

3.1 Published Geology, Hydrogeology and Hydrology

With reference to the sources of information detailed in section 1.2, the following information has been obtained.

Table 3.1 Information Regarding Geology, Hydrogeology and Hydrology

Geology / Aquifer Status	Superficial Deposits: No superficial deposits are recorded on site. Solid Geology: Harwich Formation (previously known as Blackheath Beds) comprised of Sand and Gravel which is classified as a Secondary A aquifer.
BGS Boreholes (within 100m of the site)	One historic borehole (TQ47SE416 dated 1960) was identified on site (adjacent to the southwest boundary) which indicated Topsoil up to a depth of 0.11m bgl, which is underlain by sand to a depth of 0.91m bgl, then silt to 3.50m bgl, with sand units with varying silt and clay contents to 12.49m bgl (likely to be Harwich Formation). Groundwater strikes were encountered at several depths within the Harwich Formation.
Within a Source Protection Zone	The Site is located in a Source Protection Zone (Zone 2 - Outer).
Licensed Groundwater Abstraction Points	No licenced groundwater abstraction points are recorded within 500m of the Site. The nearest groundwater abstraction relates to a potable Thames Water Utilities entry at Bexley pumping station, 1404m to the south of the site.
Surface Water Feature	River Shuttle is located 293m southeast of the site and flows from the southwest to northeast.
Likely Groundwater Flow Direction	Based on the published geology significant groundwater flow within the Harwich Formation is not expected to be present. However, any shallow groundwater within the Harwich Formation or perched within the Made Ground would likely to be in hydraulic continuity with the River shuttle to the southeast and therefore the groundwater flow is likely to be in south-easterly direction.

3.2 Environmental Public Registers

Public register information from the Envirocheck Report (Appendix B) for the Site and the surrounding area (within 250m radius) has been summarised in Table 3.2 below.

It is not the purpose of this section to provide a comprehensive account of the environmental data but only to detail those factors that are or could impact the Site.

Table 3.2. Environmental Data

Data type	Description	Distance (m) and Direction
Radon	The site is in a lower probability radon area as less than 1% of properties are above the Action Level.	N/A
Discharge Consents	None recorded within a 250m radius of the site	N/A
Pollution Incidents to controlled waters	No incidents are recorded within 250m of the site.	N/A

Data type	Description	Distance (m) and Direction
Landfill sites (current and historical)	No current or historic landfill sites are recorded within 250m of the site	N/A
Potentially Infilled Land	None are recorded within 250m of the site.	N/A
Local Authority pollution prevention and controls	None are recorded within 250m of the site.	N/A
Contemporary Trade Directory Entries (3 within 250m)	Car body repairs - active	157m southeast
	Electrical engineers - inactive	158m west
	Fork lift trucks - inactive	178m north
Points of Interest – Commercial Services	A Transport, Storage and Delivery commercial entry relating to M G Roberts Transport is recorded at 75 Arbuthnot Lane.	32m north

The only active Contemporary Trade Directory entry listed above is located to the southeast of the site. This is likely to not be directly up hydraulic gradient from the Site so it is considered unlikely that any contamination from it would have impacted the site. It is currently unclear as to what the entry for transport company actually relates to, therefore at the moment this could be a potential source of contamination until proven otherwise.

4 PRELIMINARY CONCEPTUAL MODEL

Geo-environmental assessments are required in accordance with current regulatory guidance (CIRIA C552 - Ref. 4 and CLR11 – Ref. 5) to consider the significance of potential contamination in terms of plausible source-pathway-receptor contaminants linkages. As part of this process, it is necessary to develop a conceptual model of these potential contaminant linkages by identifying the potential contamination sources, sensitive receptors and any potential exposure pathways. A risk assessment is then undertaken to determine whether there are potentially complete contaminant linkages.

4.1 Potential Contaminant Sources

Based on the information obtained from the historical and environmental research, the following potential sources of contamination have been identified on site (Table 4.1).

It should be noted that it is considered unlikely that all these substances would be present at significant concentrations within the site.

Table 4.1: Potential sources of contamination on site

Source	Potential Contaminants
On Site	
Made Ground is likely to be present on the site from previous development and demolition.	Asbestos, metals, Polycyclic Aromatic Hydrocarbons (PAH), hydrocarbons, ground gas.
Off Site	
The transport company registered 32m to the north of the site.	Hydrocarbons, solvents.

4.2 Potential Receptors

The proposed land use is currently unknown. As a precautionary approach the potential receptors detailed below take into consideration the proposed future land use as residential properties with private gardens and landscaped areas. It is considered possible that any potential contamination within the soils may be disturbed during the construction phase, or during gardening or landscaping undertaken by any future site users.

4.2.1 Human Health

- Future site users (residents, visitors, maintenance workers and contractors)

Contamination risks to construction workers are not appraised by chronic (long term) exposure human health risk assessments. There are no appropriate published criteria applicable to assessment of potential risks to construction workers. The potential risks should be addressed by a site-specific construction workers risk assessment and implementation of appropriate health and safety measures, to adequately mitigate any potential risks. All works should be conducted in accordance with the CDM regulations 2015 (Ref. 6) or any other relevant guidance. Construction workers are not considered further site users.

4.2.2 Controlled Waters

- Secondary A Aquifer within bedrock.
- The site is also located in a Source Protection Zone (Zone 2 - Outer).
- The River Shuttle to the southeast of the site.

4.2.3 Buildings

- Underground/ structures/services (water pipes, concrete, foundations) including sulphate attack

- Proposed buildings

4.3 Potential Pathways

Potential pathways are the routes that link the receptor to the contamination. The potential pathways for this site are summarised in the table below.

Table 4.2: Potential Contaminative Pathways

Receptor	Pathway
Human health (future site users/ residents, visitors, maintenance workers and contractors)	Accidental ingestion of contaminants within soil, water and dust Inhalation of dust, vapours and ground gases Dermal contact with contaminants within soil, water and dust Ingestion of contaminated vegetables and soil attached to vegetables
Controlled Waters (The River Shuttle, Secondary A Aquifer, Source Protection Zone)	Leaching of potential contaminants in soil or Made Ground into groundwater Vertical migration of soluble contaminants through the unsaturated zone into groundwater beneath the site
Buildings	Direct contact of building services or foundations with contaminants in the soil and Made Ground Gas and / or vapour accumulation in confined and poorly ventilated spaces Sulphate attack on buried concrete (direct contact)

4.4 Preliminary Qualitative Risk Assessment

Primary sources of on-site contamination are considered to be associated with Made Ground which is likely to be present from former development and demolition of buildings.

Without mitigation, future site users may be at risk from contaminants within the Made Ground / underlying soils if exposure occurs in gardens or soft landscaped areas, especially if soils are disturbed by activities such as digging / gardening.

If significant depths of Made Ground are present, and this contains putrescible matter, ground gas / vapours could be generated which could accumulate in confined spaces/buildings and pose risk to future site users.

Potential contaminants within the Made Ground could be a potential source of contamination and it is possible contaminants could migrate into the wider water environment. If contamination is disturbed during the development, rainfall derived leaching could be exacerbated causing contamination of the underlying Secondary A Aquifer. This risk is especially prevalent if intrusive construction methods or piling create a preferential pathway for contaminants in the Made Ground to enter the underlying aquifer.

Based on the previous use of the site, it is unlikely that there is the potential for gross hydrocarbon contamination to be present that would be capable of impacting the built environment.

This risk will need to be further understood through intrusive investigation into the ground conditions and potential contaminants present. If the Site is found to be contaminated, mitigation measures will be required to break the source-pathway-receptor linkages.

5 Waste Management and Potential Development Constraints

5.1 Waste Management

Consideration should be given to the disposal of waste soils/Made Ground which are likely to be generated by the development. Chemical testing of soils/Made Ground is likely to be required to inform a waste classification assessment and determine the potential disposal options. It should be noted that the waste contractor may require testing of the actual material to be disposal prior to acceptance, and there is no obligation on a landfill operator to accept the waste.

Soils suspected of being contaminated should be segregated from soils which appear to be 'clean' and should not be used elsewhere on the site as fill or landscaping unless they can be proven to be fit for purpose.

Imported topsoil for gardens and landscaped areas should be clean, fit for purpose and validated as necessary.

5.2 Potential Development Constraints

Below ground services are likely to be present beneath the site, marked by the presence of the concreted manhole noted during the site walkover.

According to the underground utility mapping survey drawing presented in Appendix D A number of services are noted to be present within the pavement of Arbuthnot Lane to the north of the site, while a surface water sewer runs in a north-south direction though the west of the site, a foul water sewer and electrical service both run approximately east-west across the southern section of the site.

As the site area slopes down along the south and west boundary, levelling should be done before the start of proposed development. Semi mature / mature trees are present on the site which may need to be removed. Access to the site is restricted due to slopes and banks to the south, wooden fence to the east and north.

A ground investigation is recommended to determine the potential contamination present on the site. From experience, the potential for the need to undertake remediation should be limited given the Site has not previously been used for industrial or commercial use.

The following potential environmental conditions have been identified that will warrant further consideration and/or implementation:

- Removal of former foundations and subsurface concrete obstructions;
- Excavation and replacement of upper part of Made Ground as necessary to support foundation solution;
- Asbestos protection measures during disturbance of Made Ground (depending on the findings of the ground investigation);
- Groundwater control measures and treatment of extracted groundwater (depending on the findings of the ground investigation);
- Provision of gas protection measures (depending on the findings of the ground investigation);
- Provision of contaminant resistant water supply pipes (depending on the findings of the ground investigation);
- Provision of clean cover system in garden areas and public open space;
- Potentially further investigation and consultancy advice to support planning obligations.

6 Geotechnical Considerations

Ground conditions anticipated at the site are likely to comprise Made Ground as the site has previously been developed. The onsite historical borehole log located near the southwest boundary (Ref. 1), recorded topsoil overlying variable deposits of the Harwich Formation (recorded as sand and silt).

Potential founding solutions will be dependent on the encountered thickness of Made Ground and the geotechnical properties of the natural deposits. Made Ground is generally considered unsuitable for foundations due to its variable composition and its potential for high total and differential settlement.

Below ground structures and services associated with previous structures may be present and will require removal prior to redevelopment. Ground disturbance caused by the removal of historical structures may increase the thickness of Made Ground already present beneath the site locally.

At this stage, conventional shallow foundations may not be appropriate for the site, but this would depend on the thickness of the Made Ground and the underlying ground conditions. Deeper trench fill may be possible although the maximum practical extent of this type of foundation is in the region of 2-2.5m. In areas of deeper Made Ground, or where deeper soft / loose bands are recorded either piling or ground treatment e.g. vibro-stone columns should provide a suitable foundation solution. The advice of a specialist ground improvement contractor should be sought to verify the suitability of the ground for treatment.

Consideration will need to be given to the presence of existing trees that are removed, retained or the planting of future trees when considering the depths of the foundations.

7 Conclusions and Recommendations

The site is currently an undeveloped and publicly accessible plot of land. An intrusive site investigation has not been undertaken at this stage.

The site was previously developed as housing from 1931 which was demolished by circa 1975 and, therefore, Made Ground is anticipated to be present.

Potential receptors are considered to be Site users, proposed buildings and underground structures / services and groundwater beneath the site (Secondary A aquifer identified within the underlying bedrock, and the site is also located in a Source Protection Zone (Zone 2 - Outer)).

Potential geo-environmental constraints have been identified that may impact on the future development. Whilst contamination may be present within the underlying soils, mitigation of risks to Site end users may be delivered by the appropriate design of the development itself (i.e. the use of hardstanding to limit the pathway for human exposure) rather than large scale removal of materials.

7.1 Design Considerations

Potential risks to human health and the built environment have been identified. It is recommended that an intrusive site investigation should be undertaken prior to redevelopment to quantify these risks. This should include for chemical testing of soils, groundwater monitoring (if present) and gas monitoring in accordance with the recommendations in CIRIA C665 (Ref. 7) and CLR 11 (Ref. 5).

7.2 Construction Considerations

During construction, a watching brief should be undertaken to identify the presence of any unforeseen contamination. If contamination is encountered, all works should cease until the advice of a suitably qualified professional can be sought.

Construction / demolition workers should use appropriate PPE and follow the site-specific contractors risk assessment which should include risks to human health from potential contamination. Due to the historic phases of development and demolition, consideration should be given to the potential presence of asbestos within the Made Ground.

Care should be taken while working on the sloped areas along the boundary of the site. Rubbish is likely to be present due to littering on the site and care should be taken over the potential presence of sharps which should be removed appropriately prior to the works.

Good site management practices should be adopted during the construction phase such as covering stockpiles to minimise surface runoff/dust creation.

A foundation works risk assessment may be required to assess the risk to the underlying Secondary A aquifer if foundations or piling which penetrate the base of the Made Ground are proposed.

There is a potential risk from UXO and it is recommended that a site specific detailed desk study is undertaken prior to any intrusive investigations or earthworks. A watching brief from a UXO specialist may be required.

Underground services including surface water, foul drainage and electrical services are known be present beneath the Site. These will need to be taken into consideration during the proposed development.

8 References

1. British Geological Survey (BGS) [online]. Available at: http://mapapps.bgs.ac.uk/geologyofbritain/home.html. Accessed February 2019.
2. Google maps [online]. Available at https://www.google.co.uk/maps. Accessed February 2019.
3. Bomb Sight National Archives [on-line]. Available at: http://bombsight.org. Accessed February 2019.
4. CIRIA C552 (2001) Contaminated land risk assessment. A guide to good practice.
5. DEFRA and the Environment Agency, 2004. Model Procedures for the Management of Land Contamination, Guidelines for Environmental Risk Assessment and Management, Contaminated Land Report 11 (CLR11).
6. The Construction (Design and Management) Regulations 2015.
7. CIRIA C665 (2007) Assessing risks posed by hazardous ground gases to buildings (revised).

APPENDIX A

Historical Ordnance Survey Maps

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry
Gravel Pit
Sand Pit
Disused Pit or Quarry
Refuse or Slag Heap
Lake, Loch or Pond
Dunes
Boulders
Coniferous Trees
Non-Coniferous Trees
Orchard
Scrub
Coppice
Bracken
Heath
Rough Grassland
Marsh
Reeds
Saltings
Building
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Pylon
Electricity Transmission Line
Sloping Masonry
Cutting
Embankment
Standard Gauge Multiple Track
Road Under
Road Over
Level Crossing
Foot Bridge
Standard Gauge Single Track
Siding, Tramway or Mineral Line
Narrow Gauge
Geographical County
Administrative County, County Borough or County of City
Municipal Borough, Urban or Rural District, Burgh or District Council
Borough, Burgh or County Constituency
Shown only when not coincident with other boundaries
Civil Parish
Shown alternately when coincidence of boundaries occurs

BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	TCB	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
MS	Mile Stone	W	Well

1:10,000 Raster Mapping

Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Mud
Sand
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community boundary
District, Unitary, Metropolitan, London Borough boundary
Constituency boundary
Area of wooded vegetation
Non-coniferous trees
Non-coniferous trees (scattered)
Coniferous trees
Coniferous trees (scattered)
Positioned tree
Orchard
Coppice or Osiers
Rough Grassland
Heath
Scrub
Marsh, Salt Marsh or Reeds
Water feature
Flow arrows
MHW(S) Mean high water (springs)
MLW(S) Mean low water (springs)
Telephone line (where shown)
Electricity transmission line (with poles)
BM 123.45 m Bench mark (where shown)
Triangulation station
Point feature (e.g. Guide Post or Mile Stone)
Pylon, flare stack or lighting tower
Site of (antiquity)
Glasshouse
General Building
Important Building

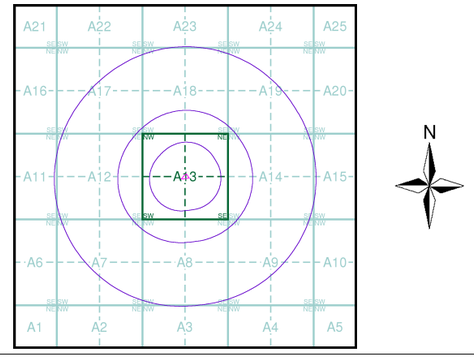
Envirocheck®

LANDMARK INFORMATION GROUP®

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kent	1:10,560	1870	3
Middlesex	1:10,560	1871	4
Essex	1:10,560	1873	5
Middlesex	1:10,560	1873	6
Kent	1:10,560	1898	7
Essex	1:10,560	1899	8
Kent	1:10,560	1910	9
London	1:10,560	1920	10
Essex	1:10,560	1921	11
Kent	1:10,560	1931	12
Kent	1:10,560	1931	13
Kent	1:10,560	1938	14
London	1:10,560	1938	15
Essex	1:10,560	1938	16
Ordnance Survey Plan	1:10,000	1940 - 1951	17
Ordnance Survey Plan	1:10,000	1966	18
Ordnance Survey Plan	1:10,000	1975	19
London	1:25,000	1985	20
Ordnance Survey Plan	1:10,000	1988 - 1989	21
Ordnance Survey Plan	1:10,000	1996	22
10K Raster Mapping	1:10,000	1999	23
10K Raster Mapping	1:10,000	2006	24
VectorMap Local	1:10,000	2018	25

Historical Map - Slice A



Order Details

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Customer Ref:	14020774
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Site Area (Ha):	0.13
Search Buffer (m):	1000

Site Details

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Russian Military Mapping Legends

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

a. Not drawn to scale b. Drawn to scale

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

243,8 — Values for prominent elevations

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

0,2 — Velocity of the current, width of river bed, depth of river

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

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

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

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

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

Key to Numbers on Mapping

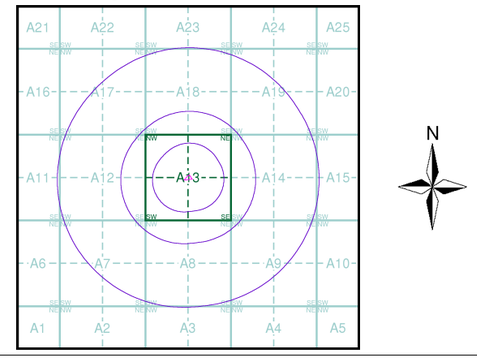
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kent	1:10,560	1870	3
Middlesex	1:10,560	1871	4
Essex	1:10,560	1873	5
Middlesex	1:10,560	1873	6
Kent	1:10,560	1898	7
Essex	1:10,560	1899	8
Kent	1:10,560	1910	9
London	1:10,560	1920	10
Essex	1:10,560	1921	11
Kent	1:10,560	1931	12
Kent	1:10,560	1931	13
Kent	1:10,560	1938	14
London	1:10,560	1938	15
Essex	1:10,560	1938	16
Ordnance Survey Plan	1:10,000	1940 - 1951	17
Ordnance Survey Plan	1:10,000	1966	18
Ordnance Survey Plan	1:10,000	1975	19
London	1:25,000	1985	20
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10K Raster Mapping	1:10,000	1999	23
10K Raster Mapping	1:10,000	2006	24
VectorMap Local	1:10,000	2018	25

Russian Map - Slice A



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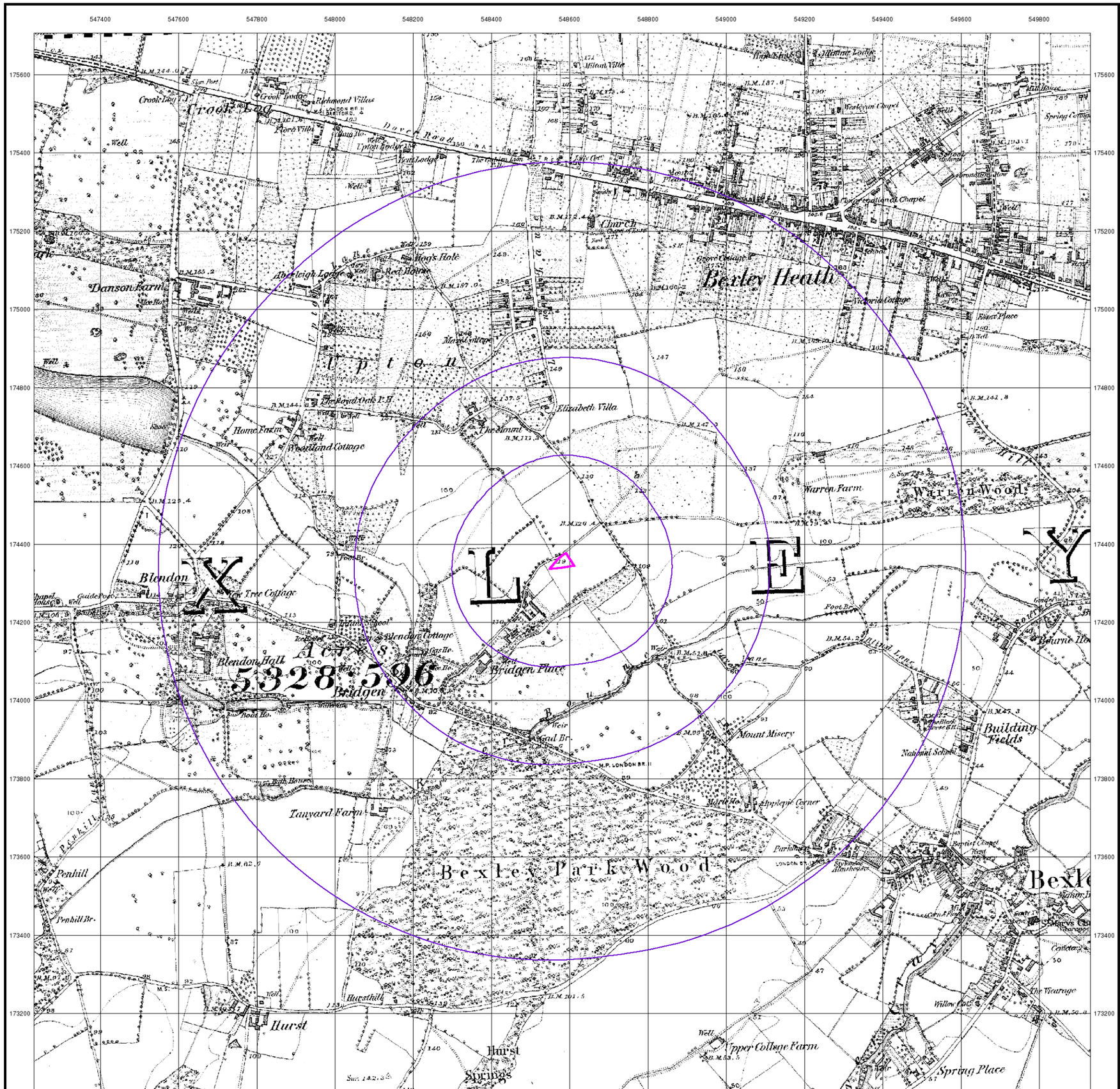
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Site Area (Ha):	0.13
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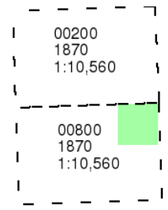
Kent

Published 1870

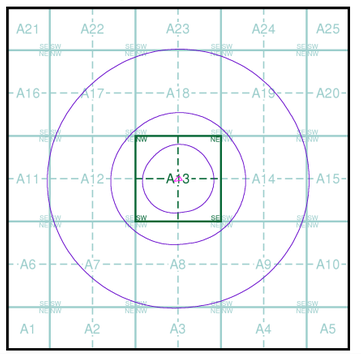
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps.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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

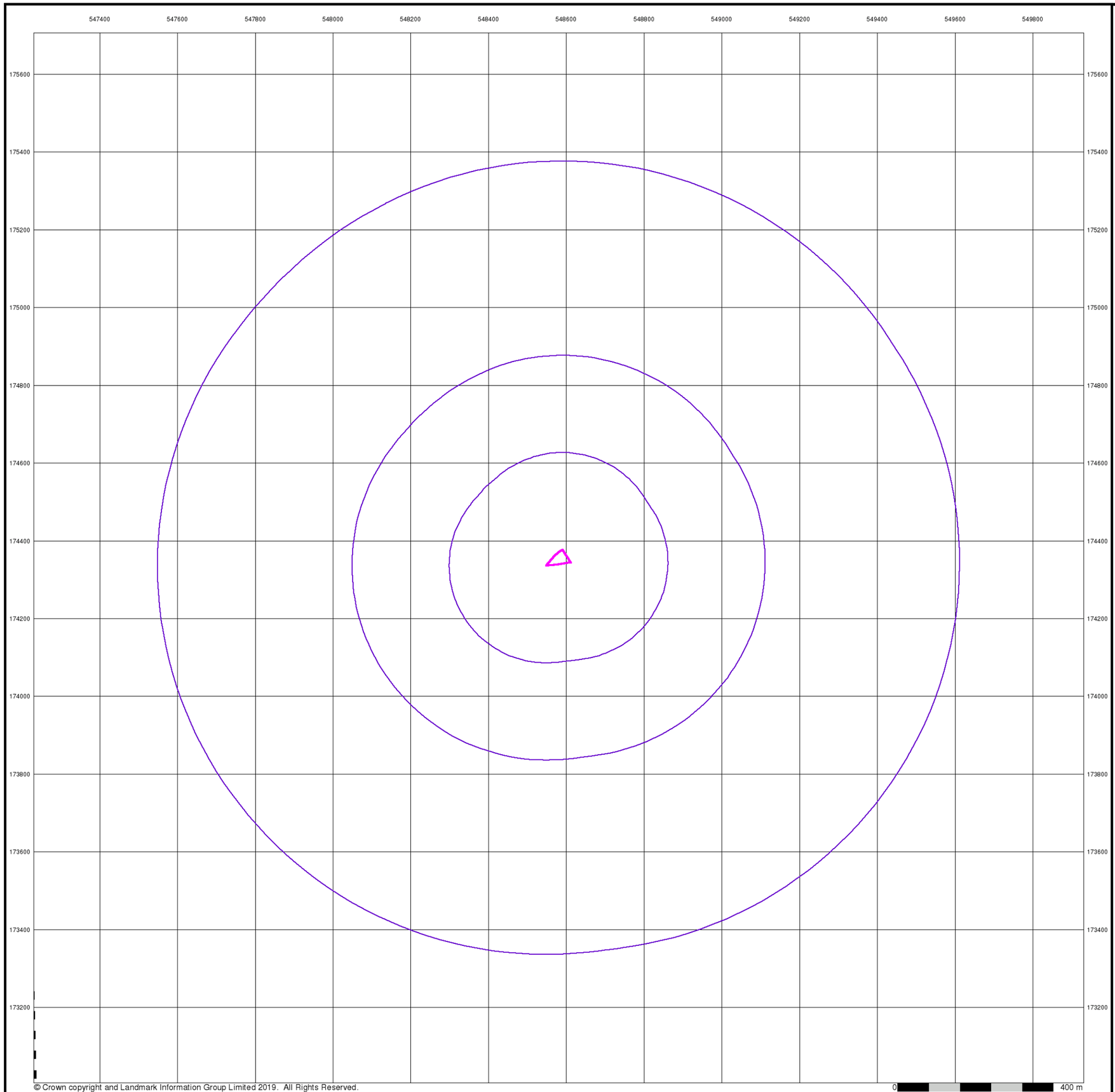
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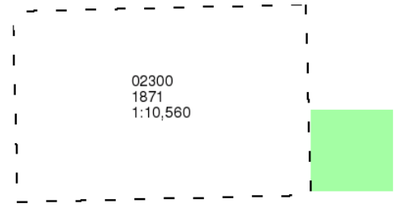
Middlesex

Published 1871

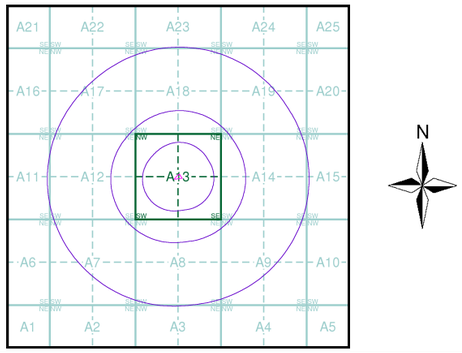
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

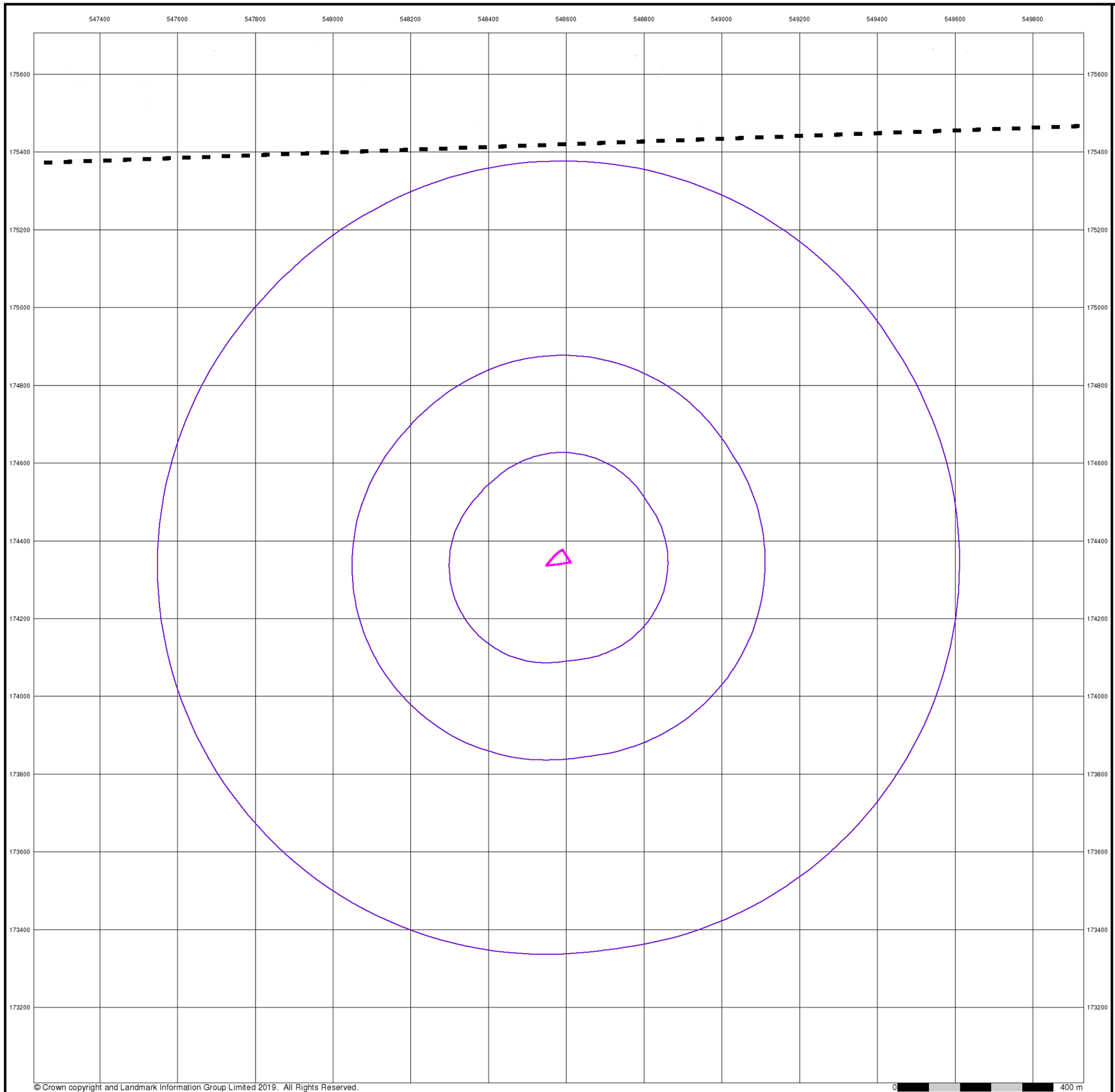
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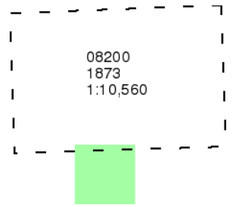
Essex

Published 1873

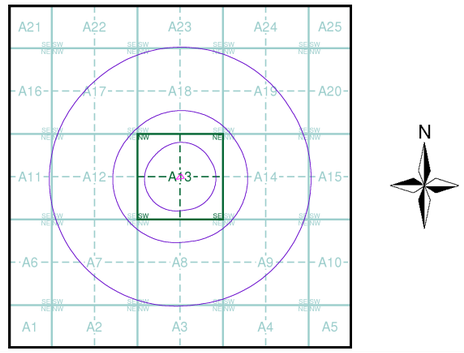
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



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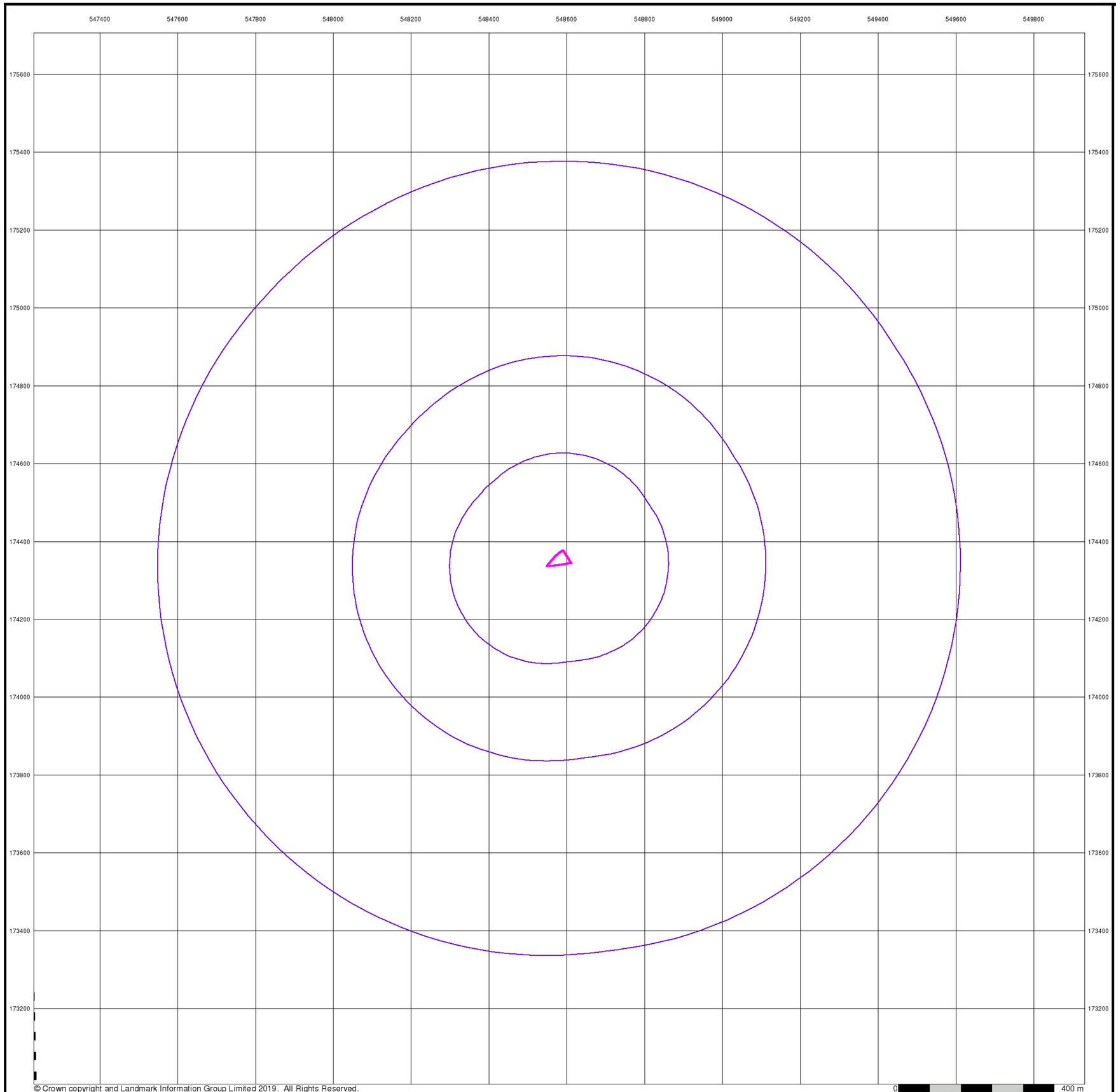
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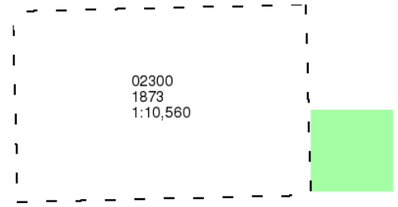
Middlesex

Published 1873

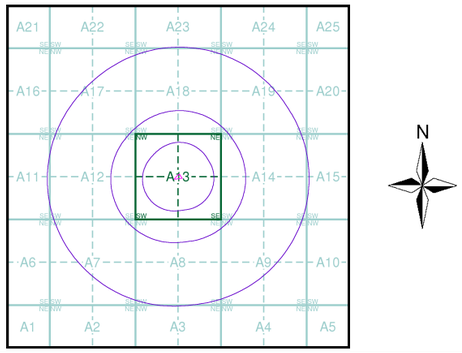
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

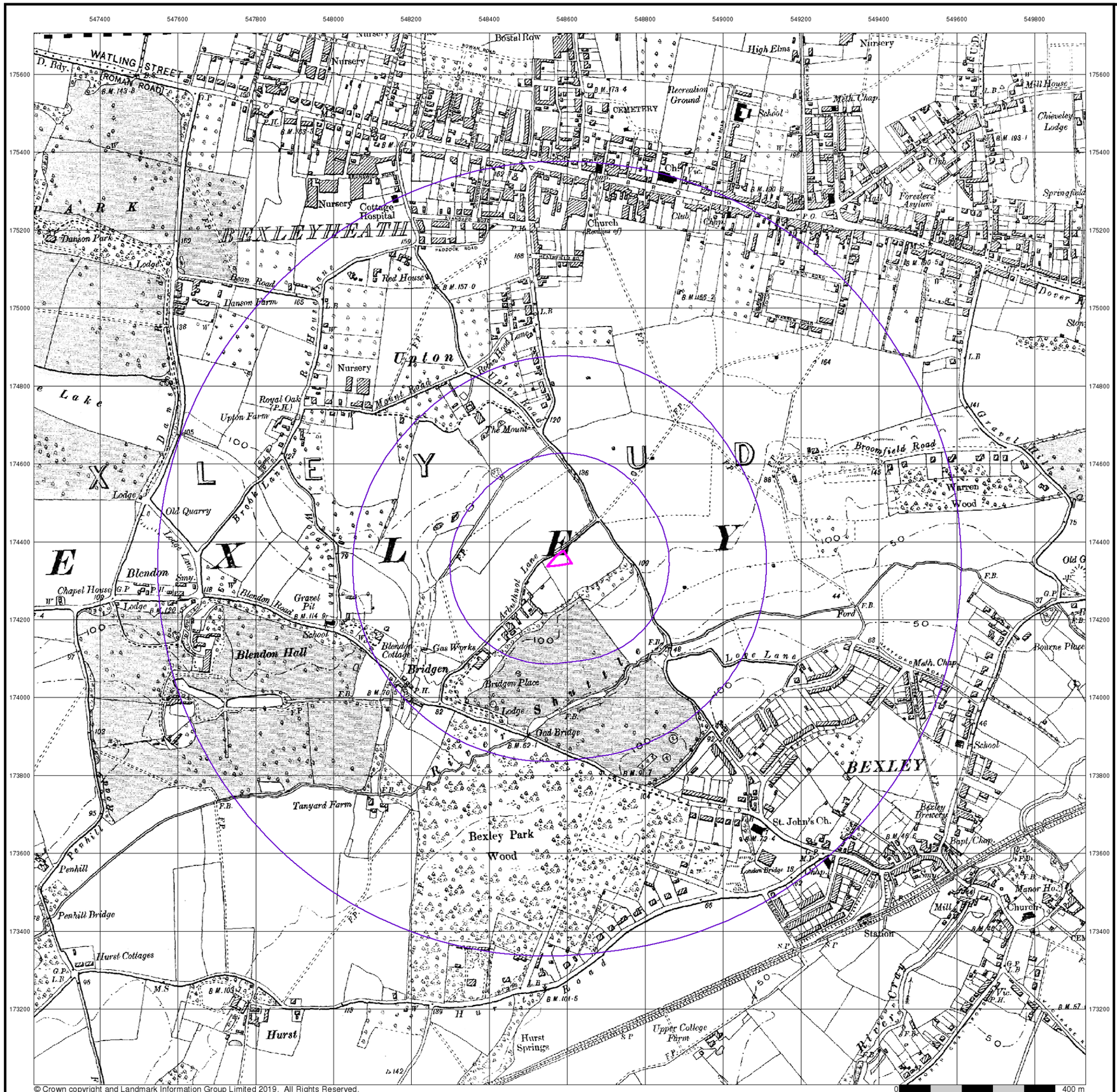
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Kent

Published 1898

Source map scale - 1:10,560

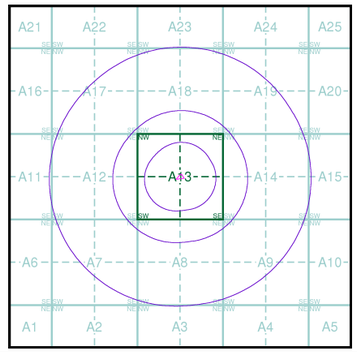
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Map Name(s) and Date(s)

002SE
1898
1:10,560

008NE
1898
1:10,560

Historical Map - Slice A



Order Details

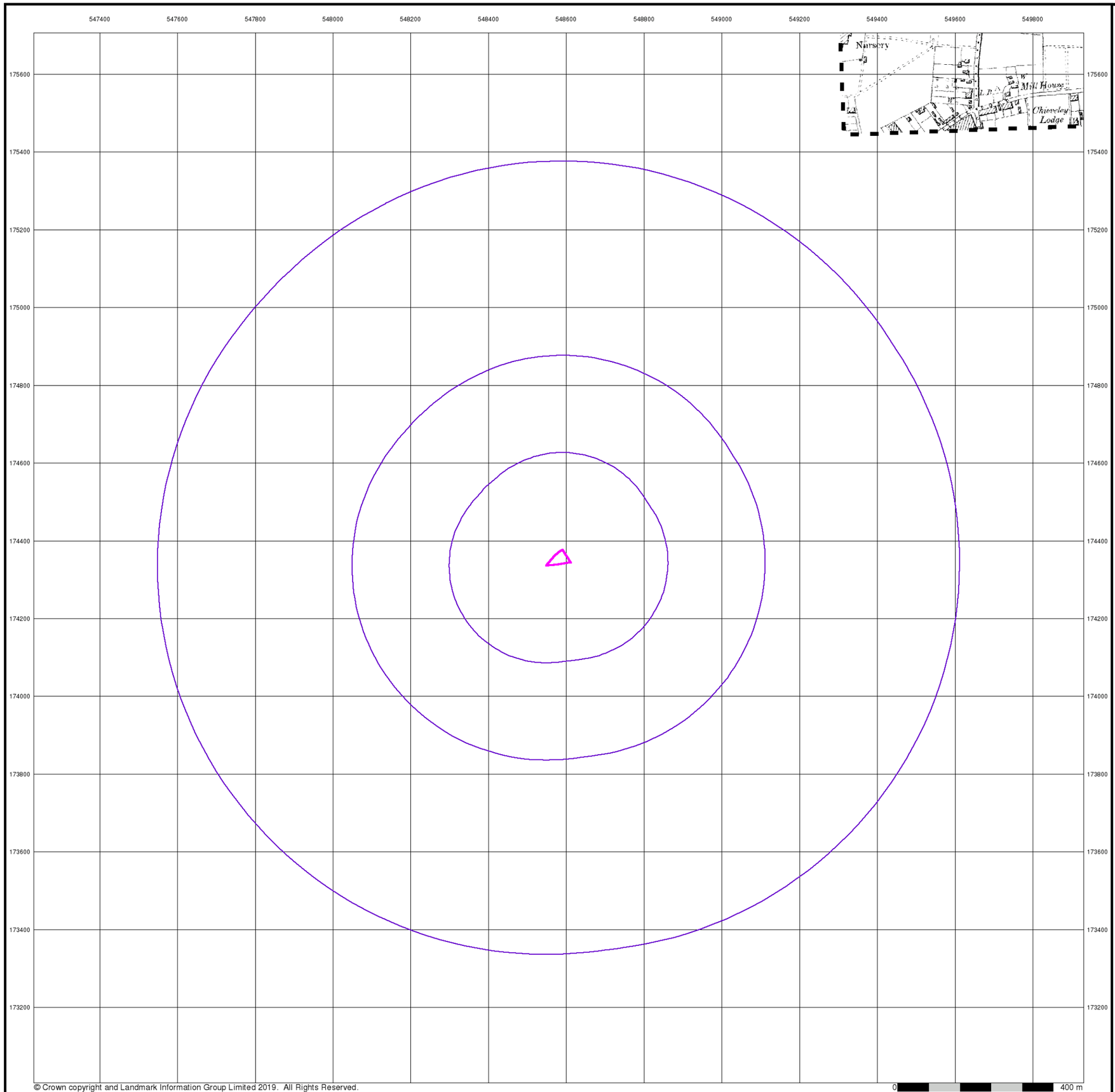
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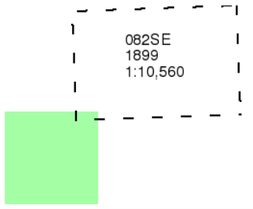
Essex

Published 1899

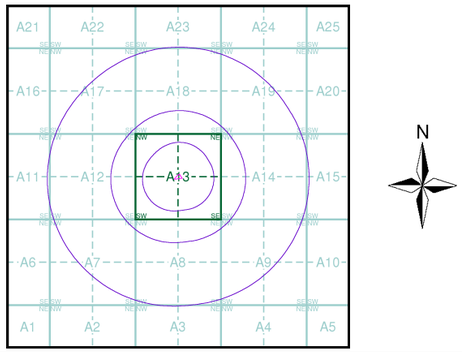
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

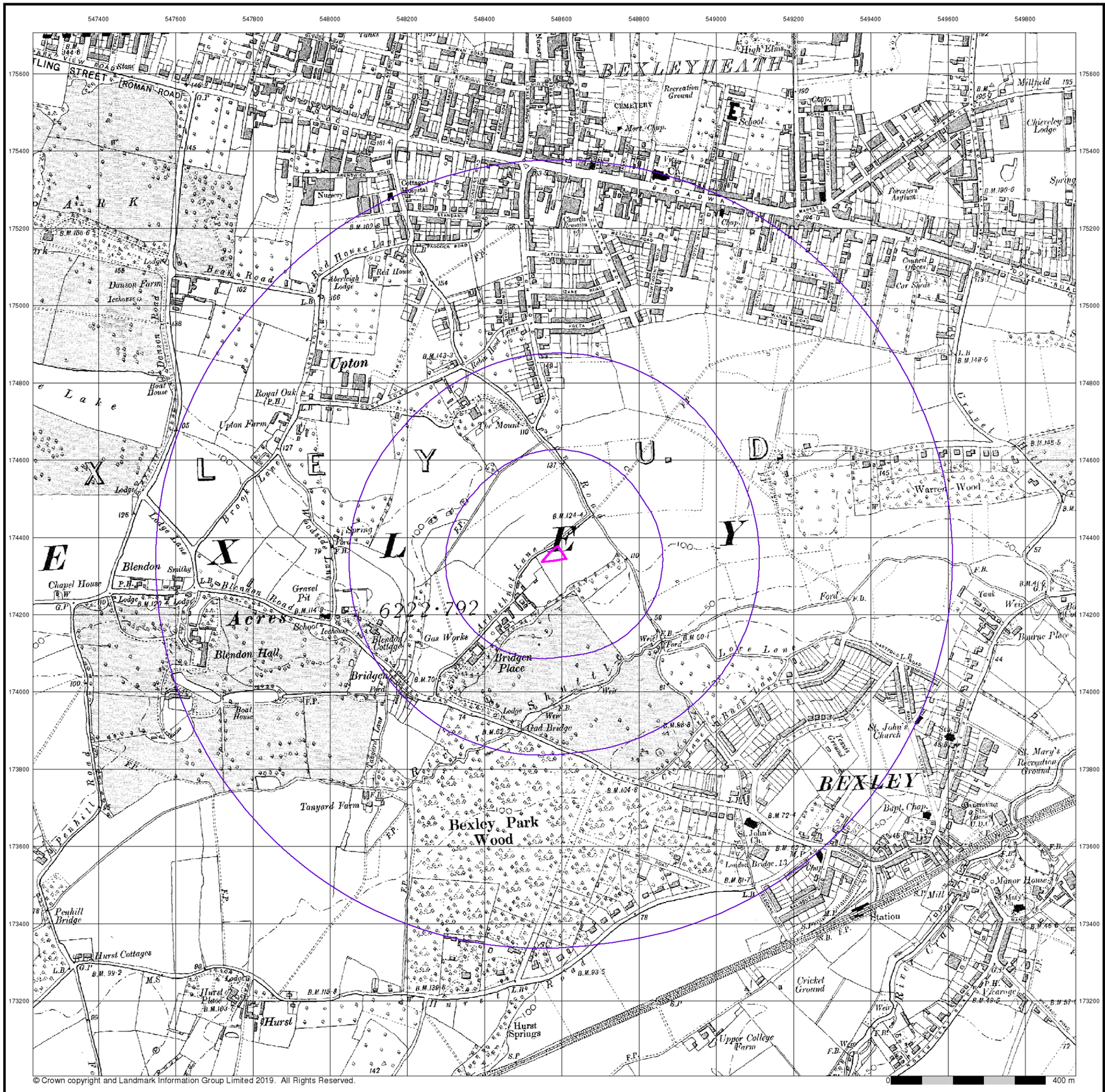
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Kent

Published 1910

Source map scale - 1:10,560

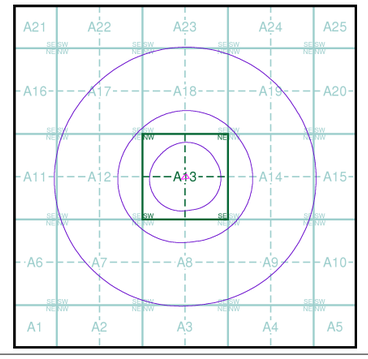
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Map Name(s) and Date(s)

002SE
1910
1:10,560

008NE
1910
1:10,560

Historical Map - Slice A



Order Details

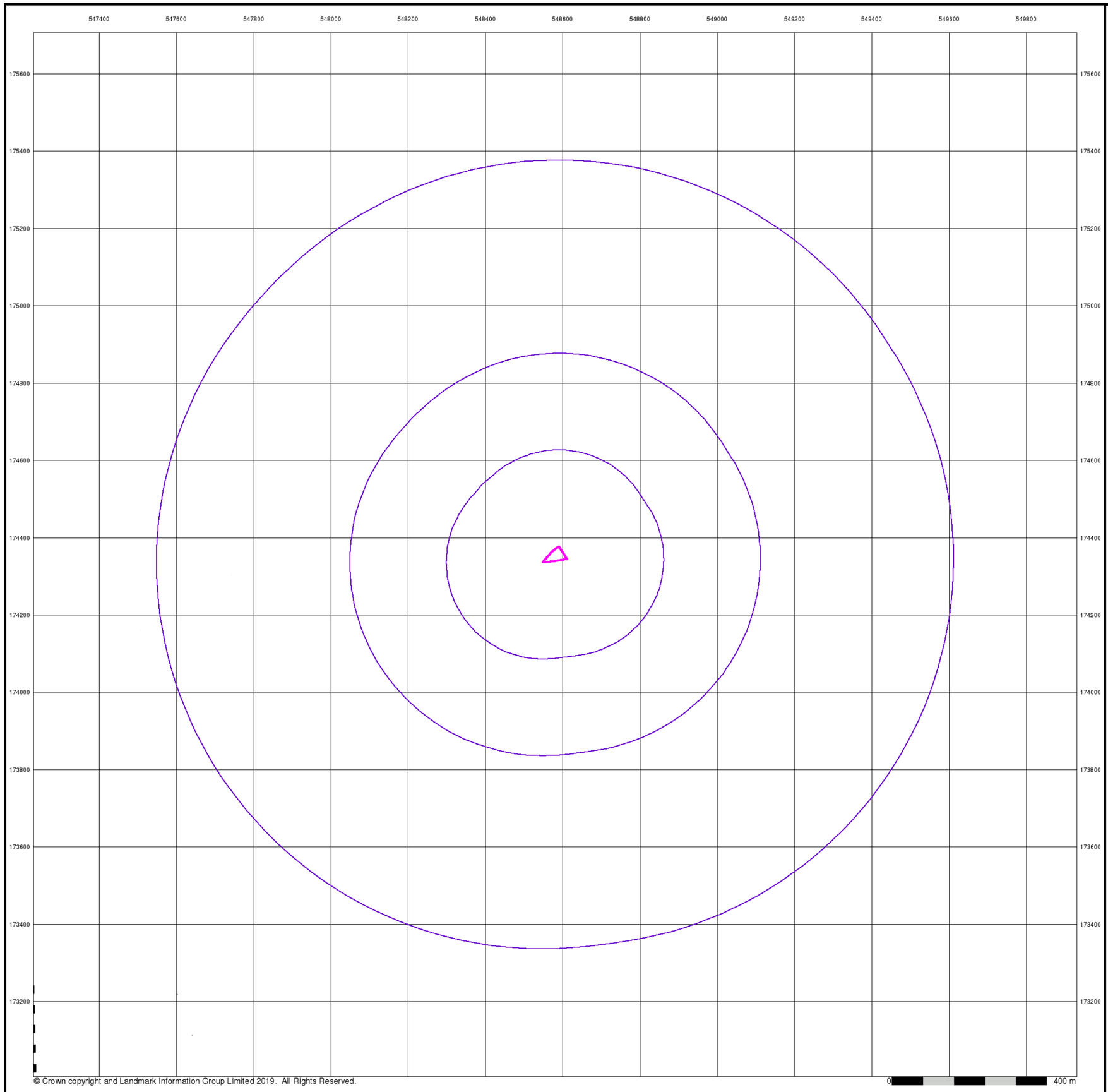
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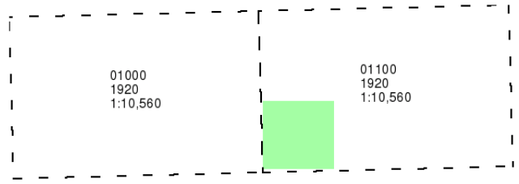
London

Published 1920

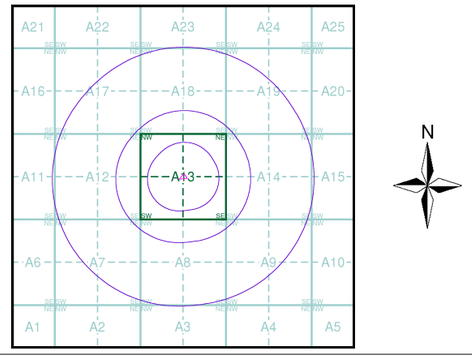
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps.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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

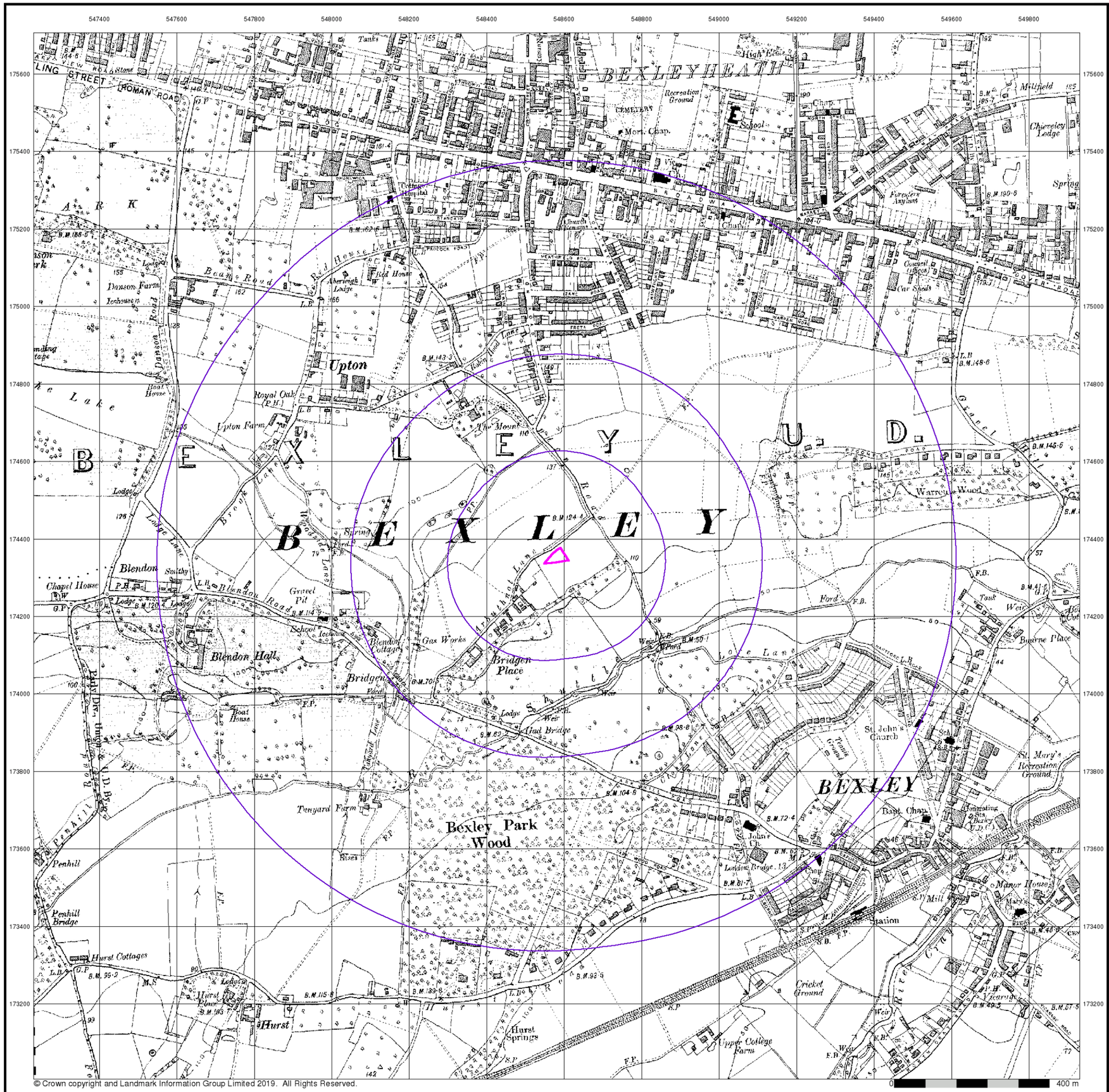
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Site Details

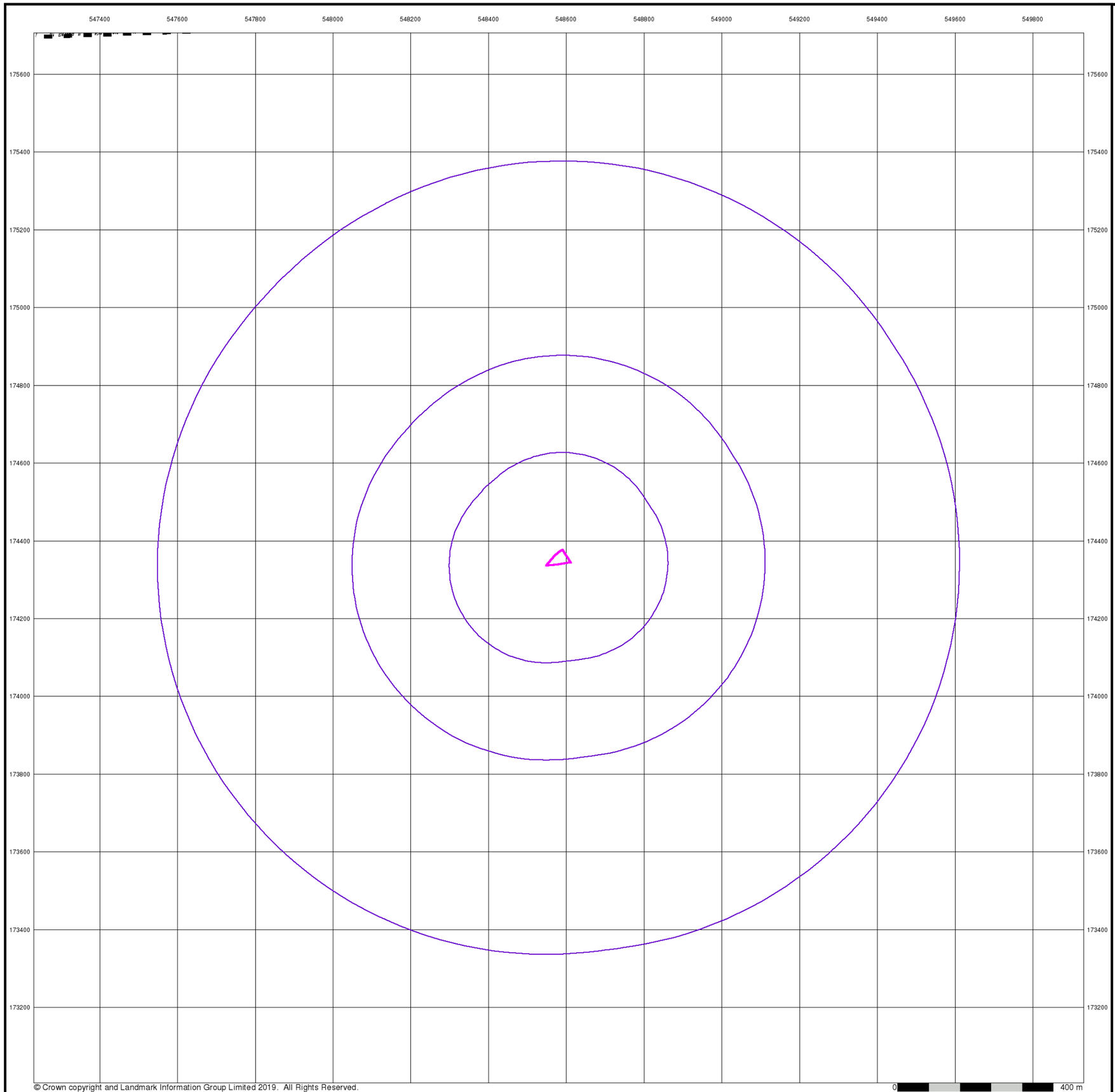
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BEXLEYHEATH
BEXLEY
Upton
Blendon Hall
Bexley Park Wood
Hurst
Tanyard Farm
Penhill
Penhill Bridge
Hurst Cottages
Bridgen Place
Gravel Pit
Upton Farm
Royal Oak (P.H.)
Danson Farm
Danson Road
Bean Road
Blendon Road
Chapel House
Blendon Cottage
Gas Works
Hurst Springs
Upper Cottage Farm
Cricket Ground
Warren Wood
Chorleywood Lodge
Millfield
Spring Grove
Manor House
St. John's Church
St. Mary's Recreation Ground
Bexley Station
Bexley Cemetery
Recreation Ground
Mort. Comp.
Council Offices
Car Sheds
Forresters Asylum
Generating Sta.
Bexley (U.D.C.)
Bourne Place
Tanks
Nursery
Lodge
Boat House
Ford
Weir
Tank
Vicarage
Lodge Lane
Hurst Lane
Broadway
Ridgway
Crook Log
Gravel Path
Rose Path
Long Path
Lodge Drive
Danson Park
Lake
Brook
Rose
Rises
Spring
Ford
Weir
Tank
Vicarage
Manor House
Mill
Station
Cricket Ground
Tennis Ground
Gas Works
Boat House
Lodge


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BEXLEYHEATH
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BEXLEY
CEMETERY
Mort. Chap.
Bexley Park Wood
Blendon
Blendon Hall
Hurst
Penhill
Tanyard Farm
Upton Farm
Upton
Allotment Gardens
Boat House
Landing Stage
the Lake
Tennis Grounds
Club House
Golf Course
Brook
Shuttle
Love Lane
Bourne Place
St. Mary's Recreation Ground
Manor House
Cricket Ground
Upper College Farm
Hurst Springs
Hurst Cottages
Penhill Bridge
Blendon Road
Bridge
Ford
Weir
Nursery
Playing Field
Allots.
Potato Crisp Factory
Forestere Asylum
Hospl.
Chap.
Ch.
Sch.
Stn.
P.O.
Vicarage
Mem. Hall
Lodge
Ice House
Tennis Gds.
Allot. Gdns.
Pav.
Ground
Farm
Cottages
Place
Cottage
Hall
Bridge
Road
Lane
Avenue
Crescent
Terrace
Close
Drive
Hill
Park
Wood
Lake
Course
Brook
Springs
Shuttle
Love
Bourne
Penhill
Hurst
Blendon
Bexley
Upton
Heath
Cemetery
Golf
Tennis
Allotment
Gardens
Boat
Landing
Stage
Tanyard
Upper
College
Cricket
Ground
Manor
House
Mem.
Hall
Potato
Crisp
Factory
Forestere
Asylum
Playing
Field
Nursery
Hospl.
Chap.
Ch.
Sch.
Stn.
P.O.
Vicarage



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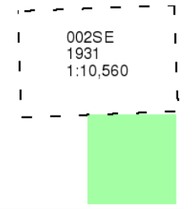
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Published 1931

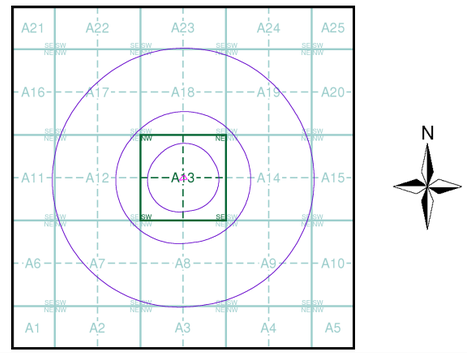
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

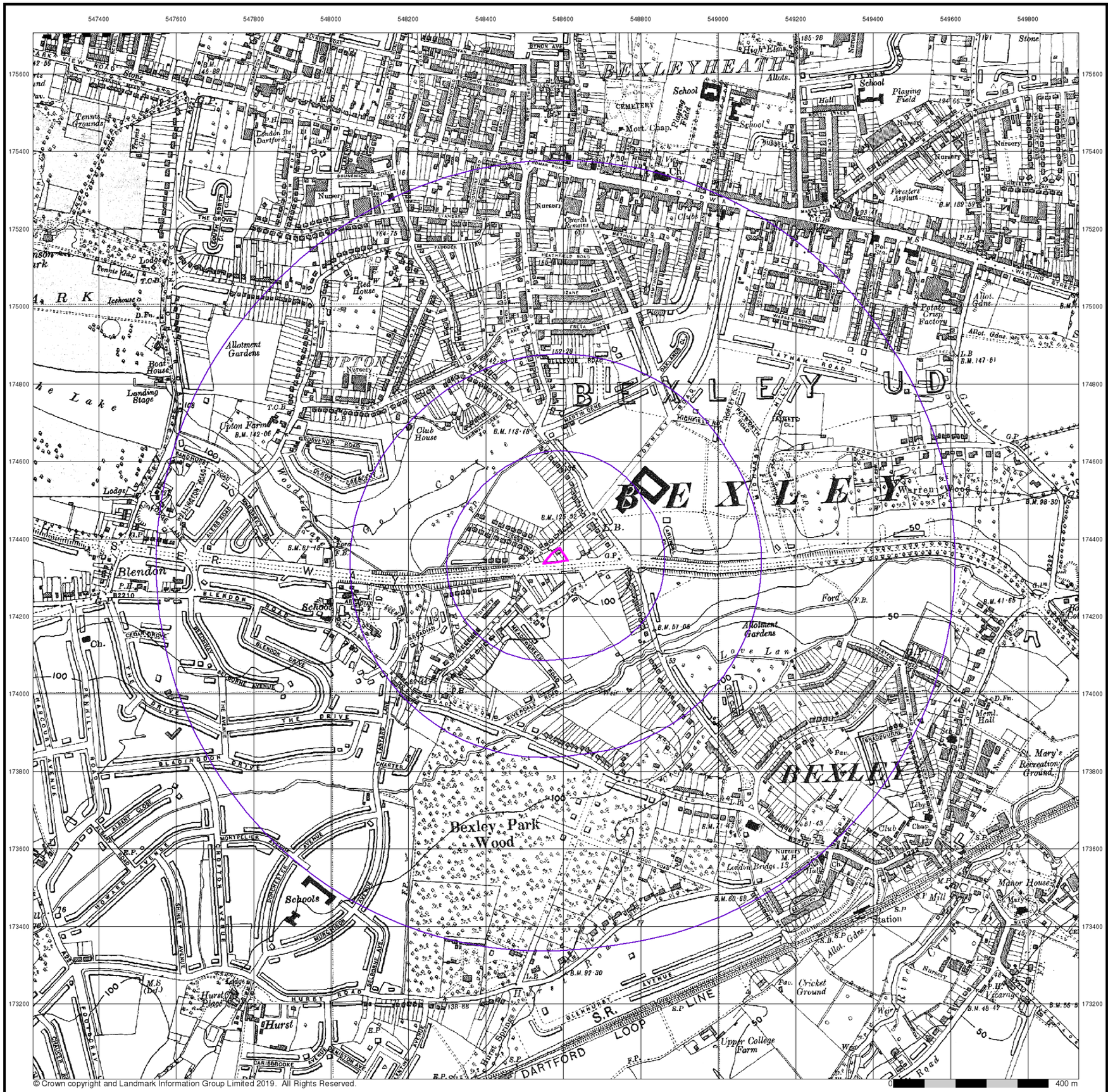
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Site Area (Ha):	0.13
Search Buffer (m):	1000

Site Details

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Kent

Published 1938

Source map scale - 1:10,560

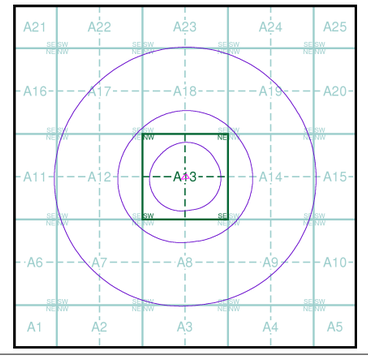
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Map Name(s) and Date(s)

002SE
1938
1:10,560

008NE
1938
1:10,560

Historical Map - Slice A



Order Details

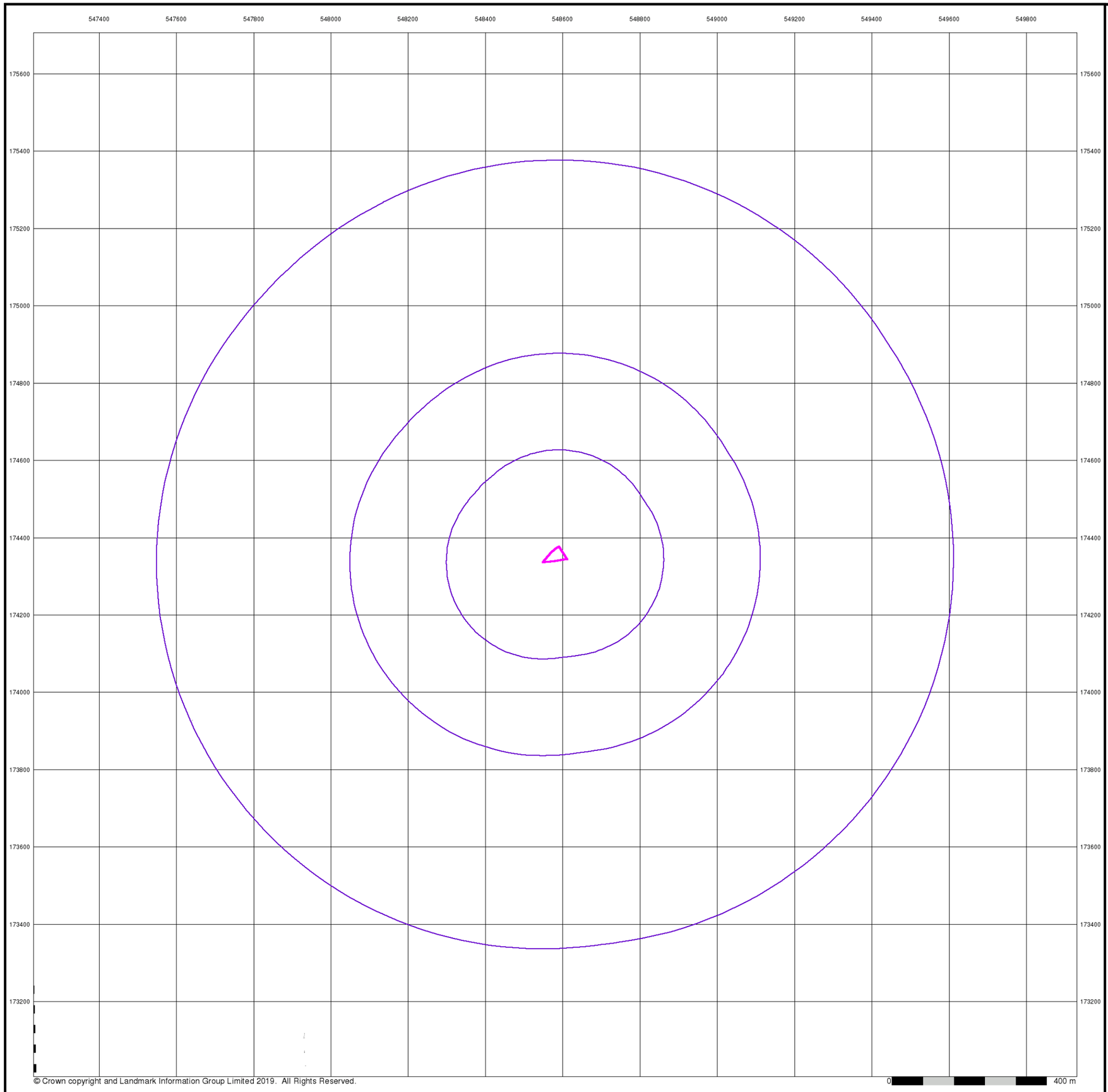
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Customer Ref:	14020774
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Slice:	A
Site Area (Ha):	0.13
Search Buffer (m):	1000

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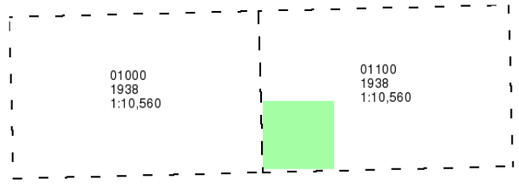
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Published 1938

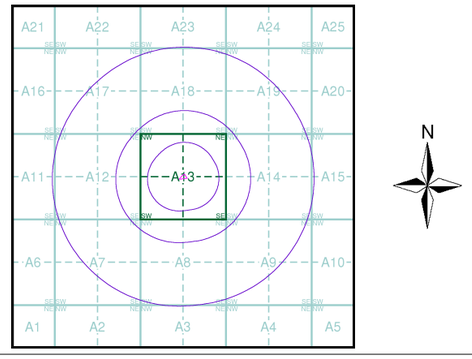
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	191717962_1_1
Customer Ref:	14020774
National Grid Reference:	548580, 174350
Slice:	A
Site Area (Ha):	0.13
Search Buffer (m):	1000

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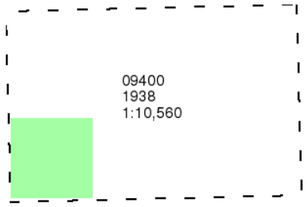
Essex

Published 1938

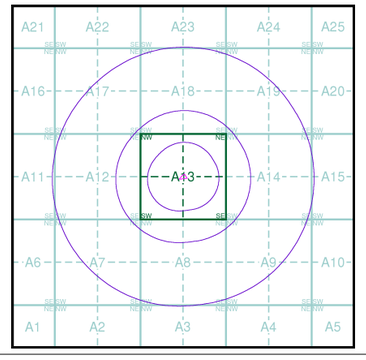
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	191717962_1_1
Customer Ref:	14020774
National Grid Reference:	548580, 174350
Slice:	A
Site Area (Ha):	0.13
Search Buffer (m):	1000

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Ordnance Survey Plan

Published 1940 - 1951

Source map scale - 1:10,000

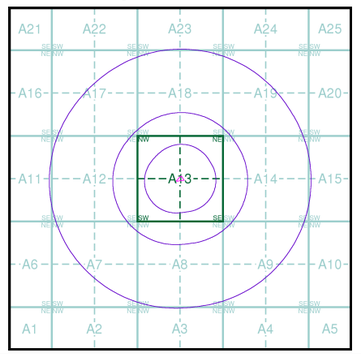
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Map Name(s) and Date(s)

TQ47NE
1940
1:10,560

TQ47SE
1951
1:10,560

Historical Map - Slice A



Order Details

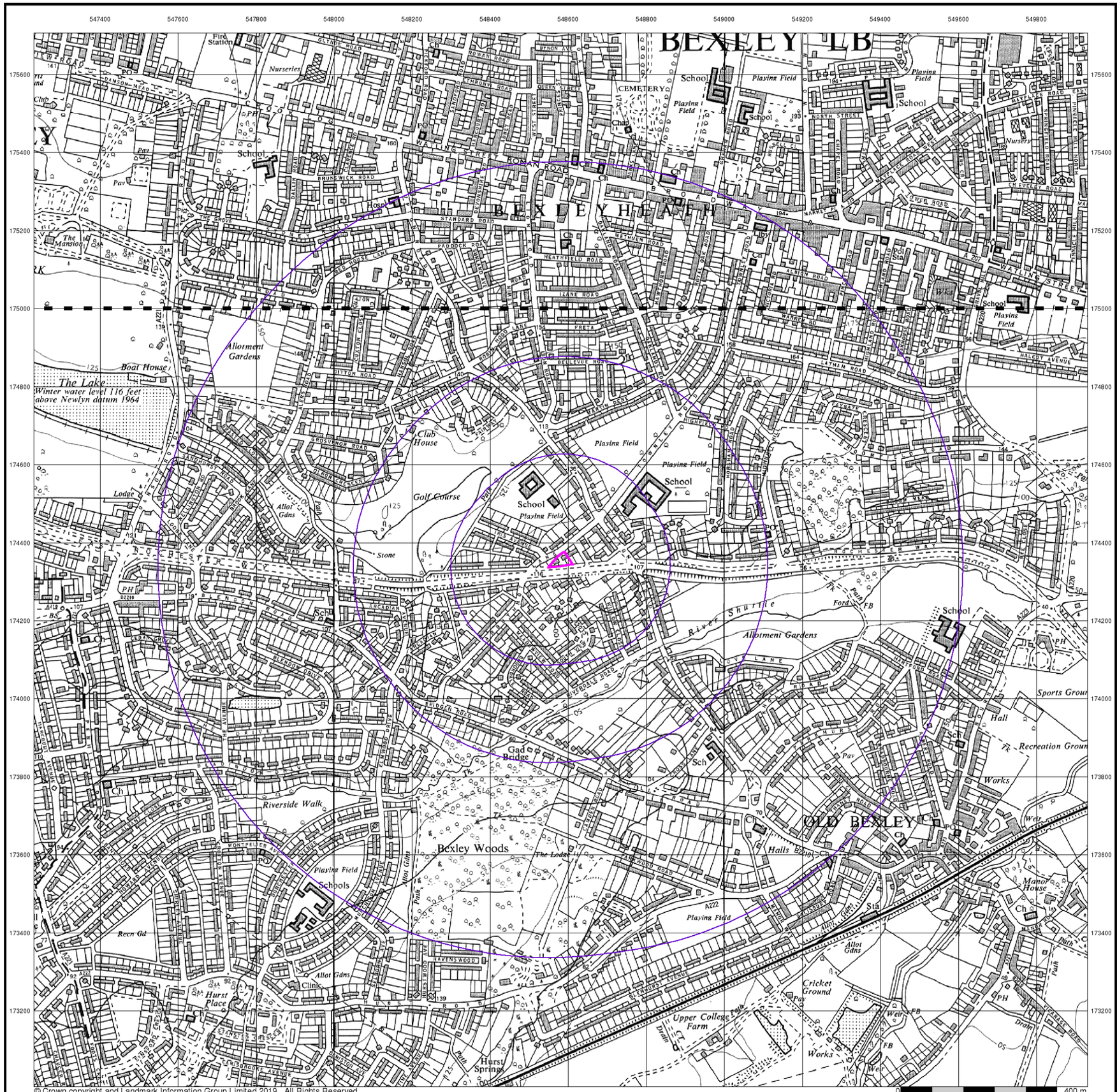
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Ordnance Survey Plan

Published 1966

Source map scale - 1:10,000

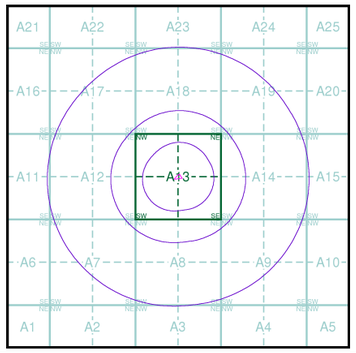
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Map Name(s) and Date(s)

TQ47NE
1966
1:10,560

TQ47SE
1966
1:10,560

Historical Map - Slice A



Order Details

Order Number:	191717962_1_1
Customer Ref:	14020774
National Grid Reference:	548580, 174350
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Ordnance Survey Plan

Published 1975

Source map scale - 1:10,000

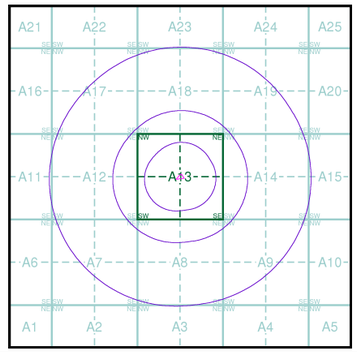
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Map Name(s) and Date(s)

TQ47NE
1975
1:10,000

TQ47SE
1975
1:10,000

Historical Map - Slice A



Order Details

Order Number:	191717962_1_1
Customer Ref:	14020774
National Grid Reference:	548580, 174350
Slice:	A
Site Area (Ha):	0.13
Search Buffer (m):	1000

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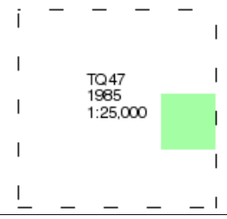
London

Published 1985

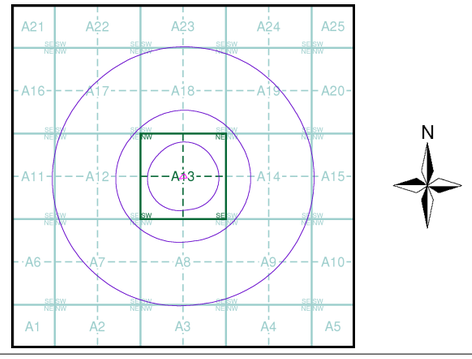
Source map scale - 1:25,000

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

Map Name(s) and Date(s)



Russian Map - Slice A



Order Details

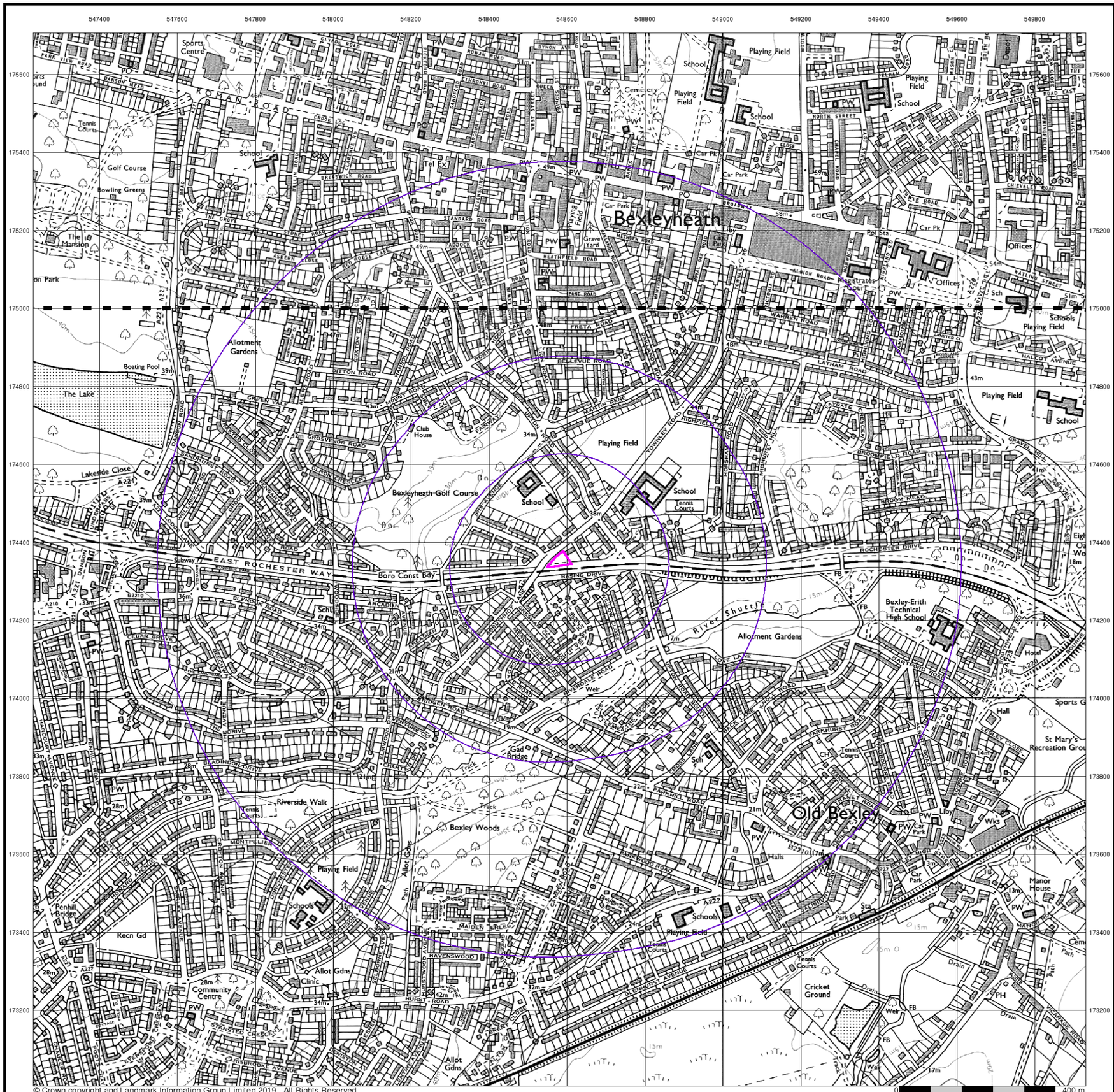
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Ordnance Survey Plan

Published 1988 - 1989

Source map scale - 1:10,000

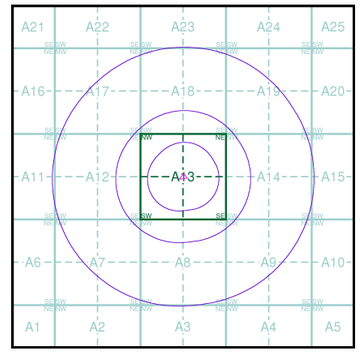
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Map Name(s) and Date(s)

TQ47NE
1988
1:10,000

TQ47SE
1989
1:10,000

Historical Map - Slice A



Order Details

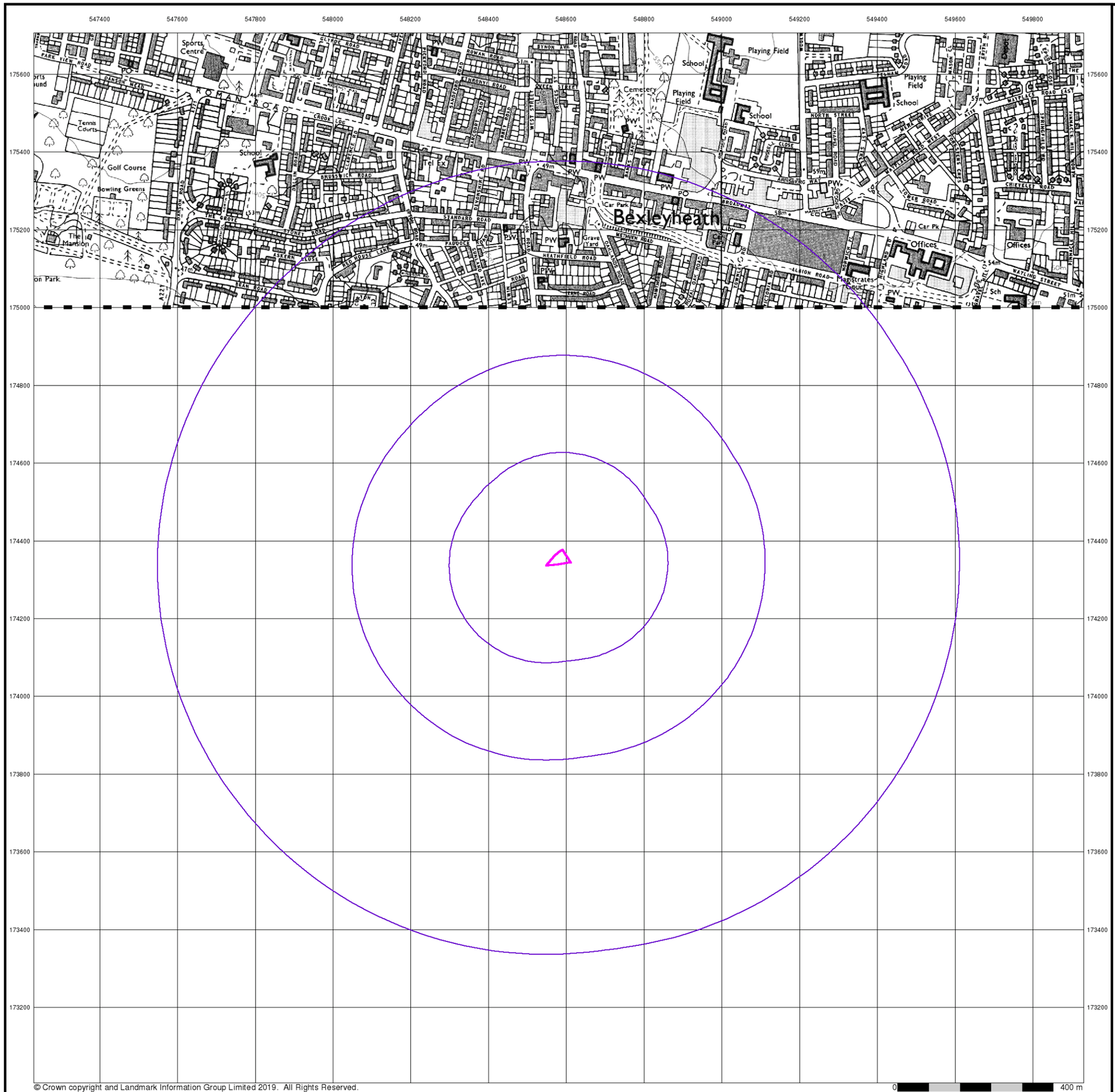
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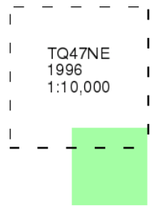
Ordnance Survey Plan

Published 1996

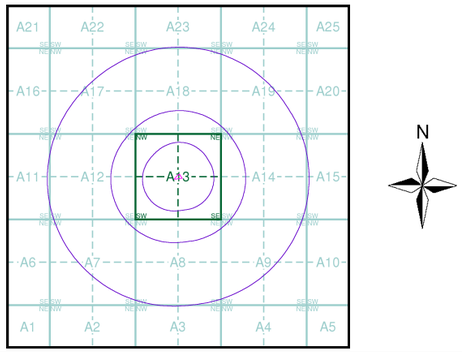
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	191717962_1_1
Customer Ref:	14020774
National Grid Reference:	548580, 174350
Slice:	A
Site Area (Ha):	0.13
Search Buffer (m):	1000

Site Details

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Bexleyheath
Old Bexley
Danson Park
The Lake
Boating Pool
Bexleyheath Golf Course
Golf Course
Bexley Woods
Riverside Walk
Gad Bridge
River Shuttle
Playing Field
Cricket Ground
Community Centre
Sports Centre
Cemetery
Schools
Allot Gdns
Recn Gd
Penhill Bridge
Manor House
Business Park
St Mary's Recreation Ground
Bus Depot
Subway
Boro Const Bdy
ROMAN ROAD
BROADWAY
ALBION ROAD
FRETA ROAD
BELLEVUE ROAD
LATHAM ROAD
HIGHFIELD ROAD
BROOMFIELD ROAD
ROCHESTER DRIVE
EAST ROCHESTER WAY
WOODSIDE LANE
PARKHURST ROAD
MAIDEN LANE
RAVENSWOOD
HURST ROAD
GLENHURST AVENUE
BASTING DRIVE
ARNSBERG WAY
NORTH STREET
CHIEVELEY ROAD
WATLING STREET
HALDON AVENUE
GRAVEL HILL
MANOR ROAD
BRAMLEY ROAD
MONTPELIER AVENUE
CARLISBROOKE AVENUE
STANSTED CRESCENT
ELMFORD GROVE
LAKESIDE CLOSE
BRUNSWICK ROAD
STANDARD ROAD
HEATHFIELD ROAD
IZANE ROAD
WARREN ROAD
MARTINS LANE
MOUNT ROAD
ROSEVENOR ROAD
GLEN CRESCENT
SANDHURST ROAD
BLENDON ROAD
CEDAR GROVE
ARCADIA AVENUE
BLADINDON DRIVE
CHARTWELL DRIVE
THE DRIVE
BRIDGE ROAD
PARKWOOD ROAD
CAMPS ROAD
SLADE GREEN ROAD
BURNHAM CLOSE
ROMAN WAY
QUEEN ST
MARLBOROUGH ROAD
ST JOHNS ROAD
ST JAMES ROAD
ST MARYS ROAD
ST PAULS ROAD
ST THOMAS ROAD
ST ANDREWS ROAD
ST GEORGES ROAD
ST JOHNS HILL
ST MARYS PLACE
ST PAULS CRAY ROAD
ST JAMES AVENUE
ST MARYS CRAY
ST JOHNS CRAY
ST PAULS CRAY
ST JAMES CRAY



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10k Raster Mapping

Published 2006

Source map scale - 1:10,000

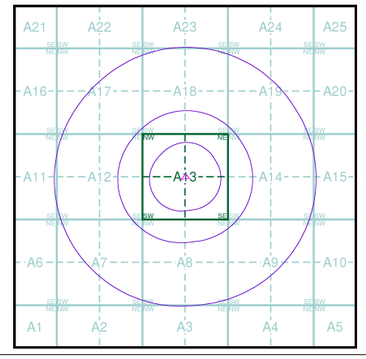
The historical maps shown were produced from the Ordnance Survey`s 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)

TQ47NE
2006
1:10,000

TQ47SE
2006
1:10,000

Historical Map - Slice A



Order Details

Order Number:	191717962_1_1
Customer Ref:	14020774
National Grid Reference:	548580, 174350
Slice:	A
Site Area (Ha):	0.13
Search Buffer (m):	1000

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VectorMap Local

Published 2018

Source map scale - 1:10,000

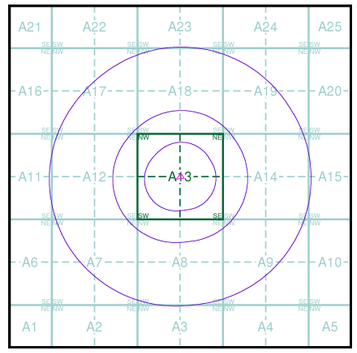
VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap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

Map Name(s) and Date(s)

TQ47NE
2018
Variable

TQ47SE
2018
Variable

Historical Map - Slice A



Order Details

Order Number:	191717962_1_1
Customer Ref:	14020774
National Grid Reference:	548580, 174350
Slice:	A
Site Area (Ha):	0.13
Search Buffer (m):	1000

Site Details

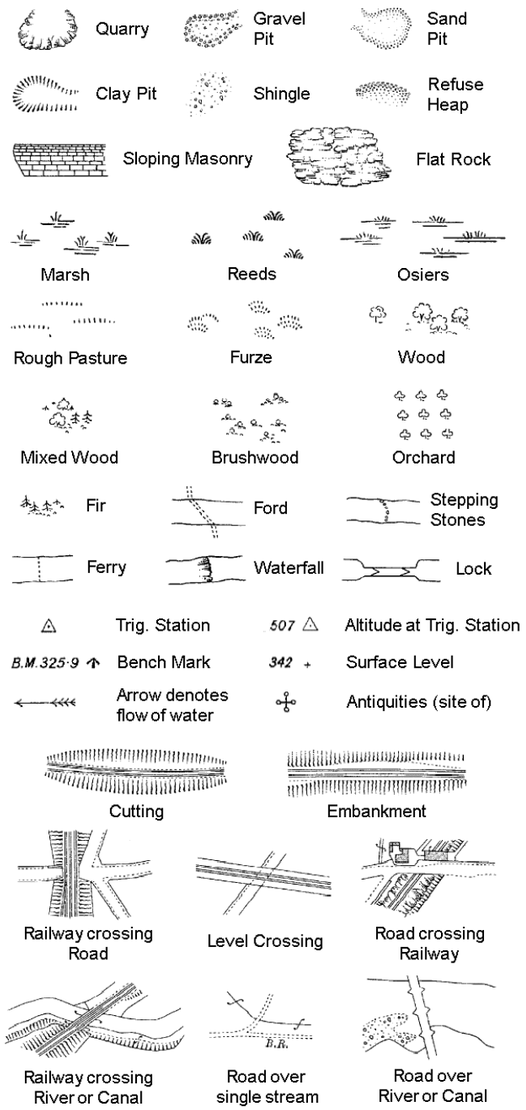
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Historical Mapping Legends

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



County Boundary (Geographical)

County & Civil Parish Boundary

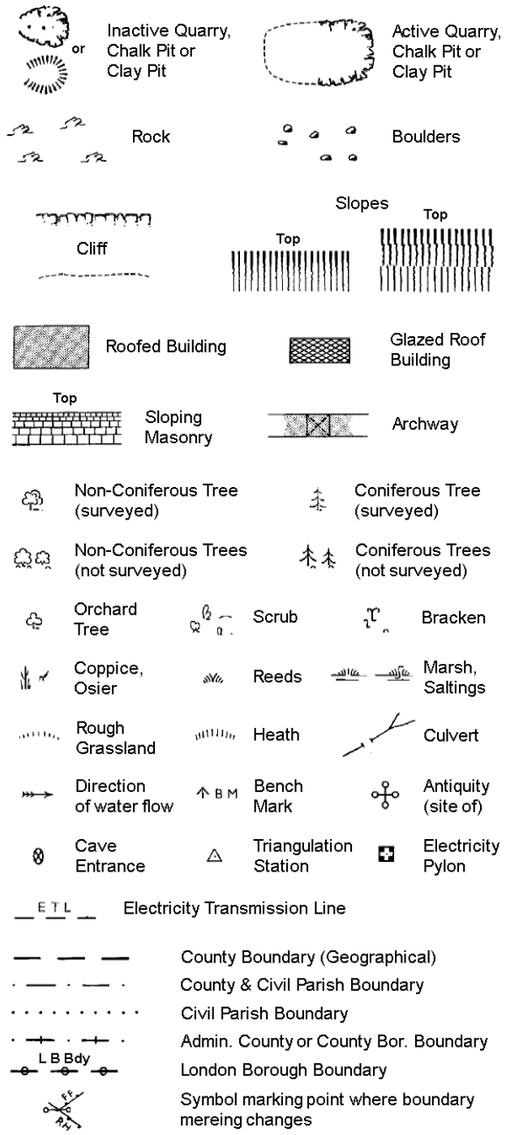
Administrative County & Civil Parish Boundary

Co. Boro. Bdy. County Borough Boundary (England)

Co. Burgh Bdy. County Burgh Boundary (Scotland)

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

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



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

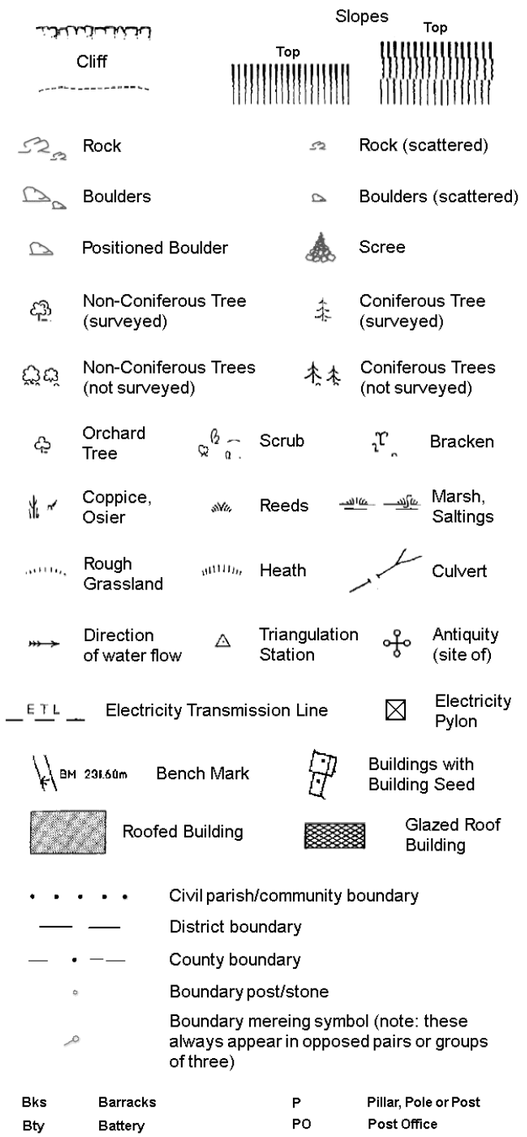
Admin. County or County Bor. Boundary

L B Bdy London Borough Boundary

Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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



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 Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

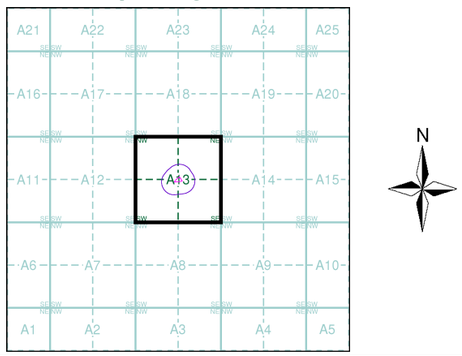
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kent	1:2,500	1895	2
Kent	1:2,500	1895	3
Kent	1:2,500	1897	4
Kent	1:2,500	1909	5
Kent	1:2,500	1936	6
Ordnance Survey Plan	1:1,250	1960	7
Additional SIMs	1:1,250	1960 - 1987	8
Ordnance Survey Plan	1:2,500	1961	9
Ordnance Survey Plan	1:1,250	1972 - 1979	10
Additional SIMs	1:1,250	1987	11
Large-Scale National Grid Data	1:1,250	1991	12
Large-Scale National Grid Data	1:1,250	1992	13
Large-Scale National Grid Data	1:1,250	1992	14
Historical Aerial Photography	1:2,500	1999	15

Historical Map - Segment A13



Order Details

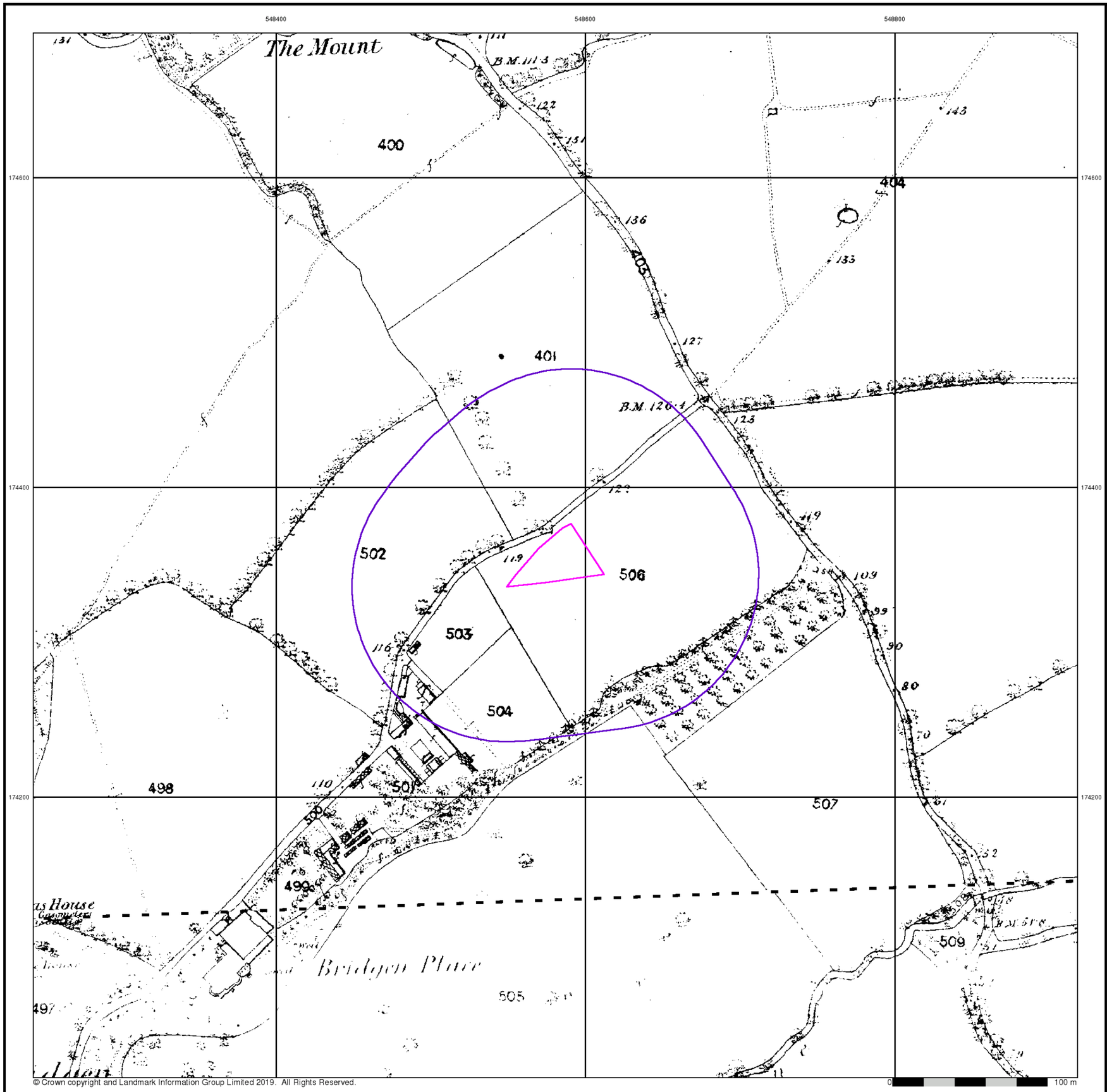
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Customer Ref:	14020774
National Grid Reference:	548580, 174350
Slice:	A
Site Area (Ha):	0.13
Search Buffer (m):	100

Site Details

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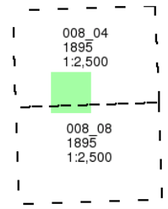
Kent

Published 1895

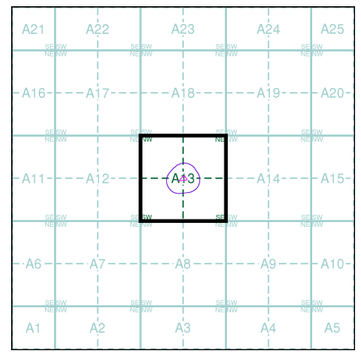
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

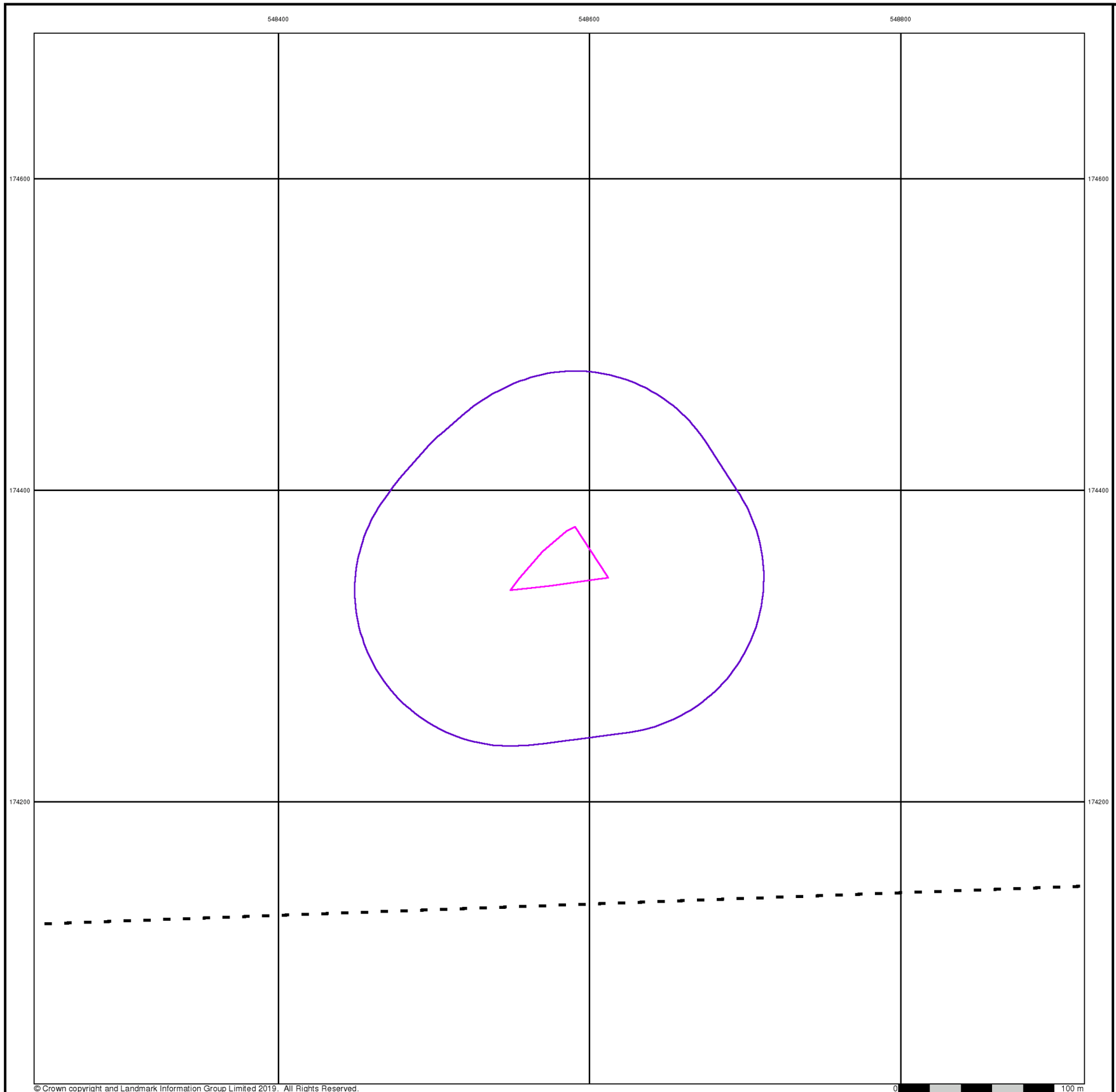
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Customer Ref:	14020774
National Grid Reference:	548580, 174350
Slice:	A
Site Area (Ha):	0.13
Search Buffer (m):	100

Site Details

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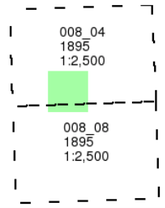
Kent

Published 1895

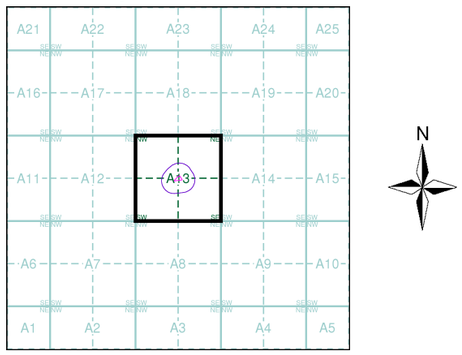
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

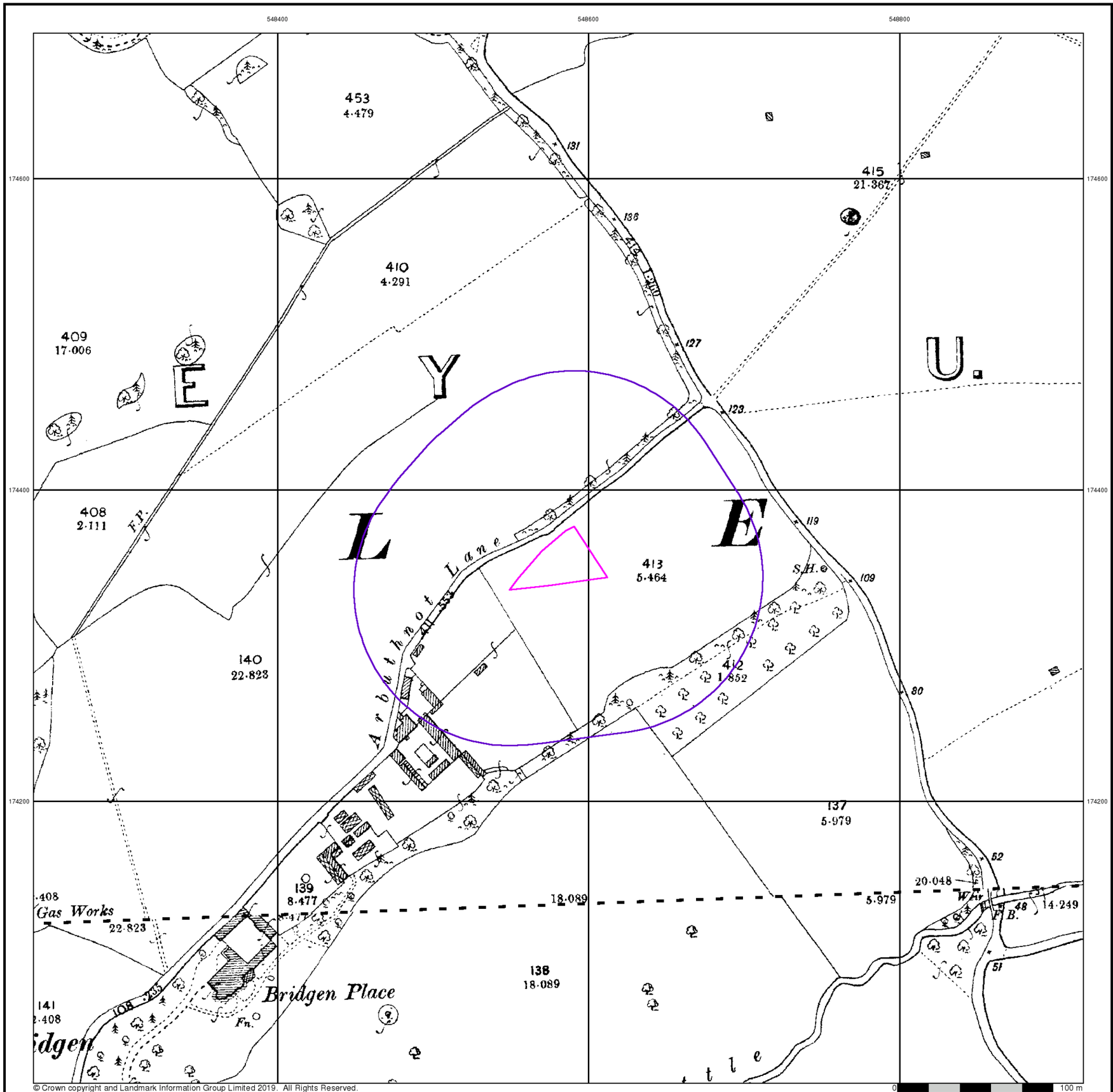
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Customer Ref:	14020774
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Slice:	A
Site Area (Ha):	0.13
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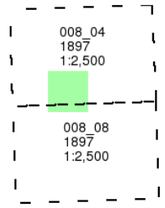
Kent

Published 1897

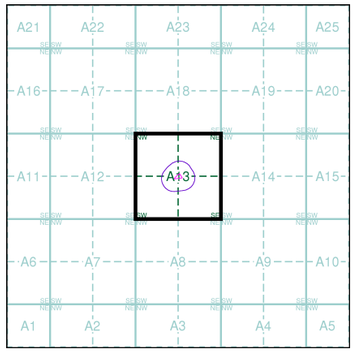
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

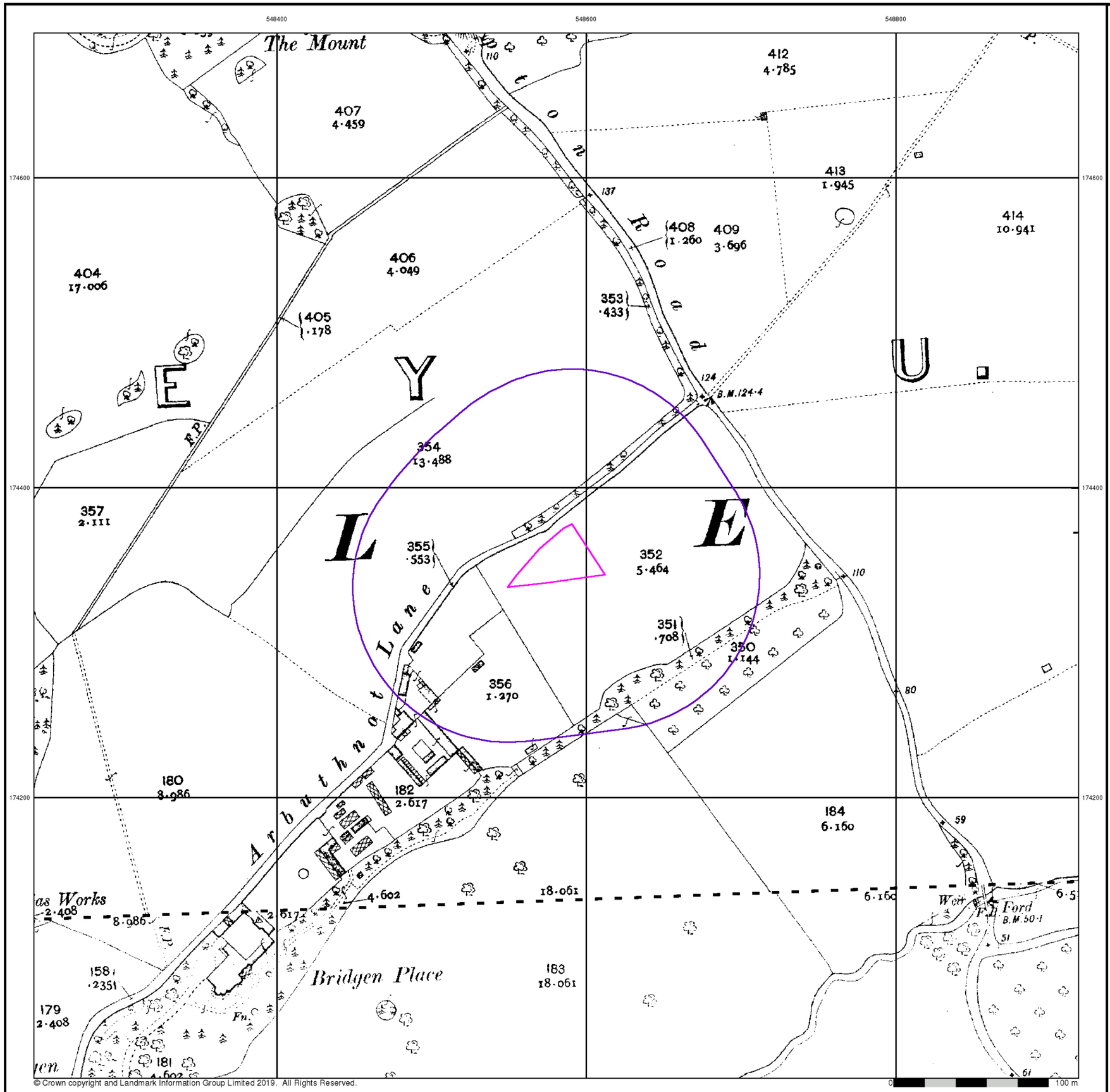
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Customer Ref:	14020774
National Grid Reference:	548580, 174350
Slice:	A
Site Area (Ha):	0.13
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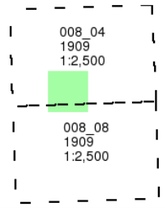
Kent

Published 1909

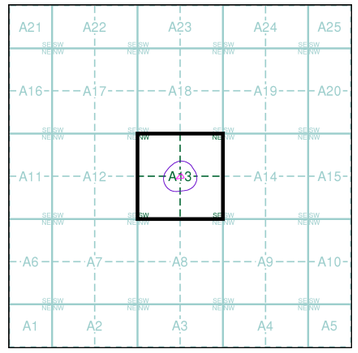
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



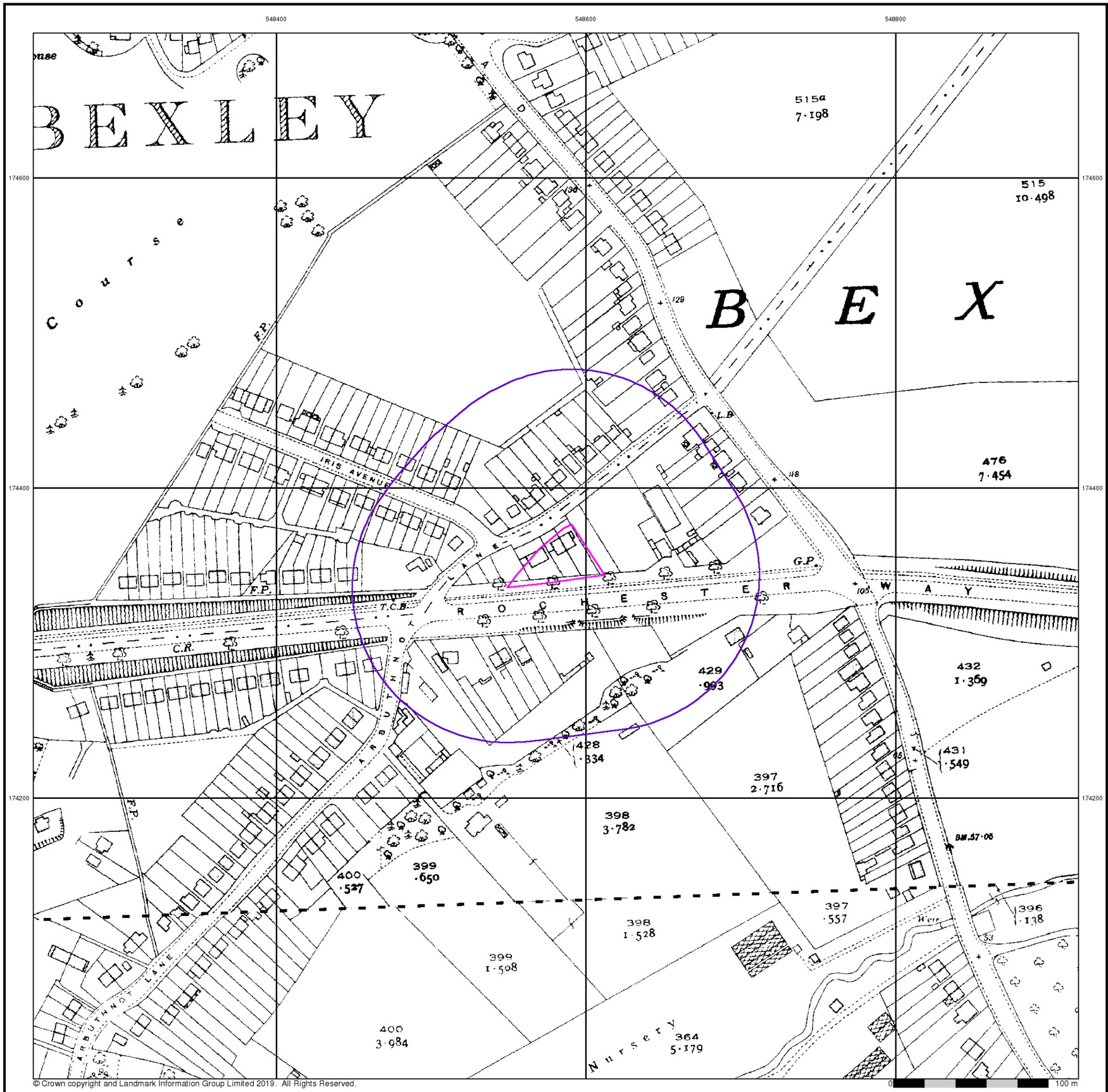
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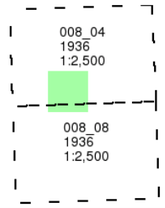
Kent

Published 1936

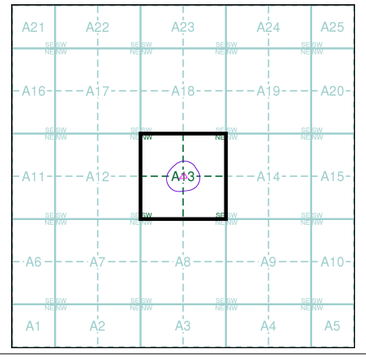
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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

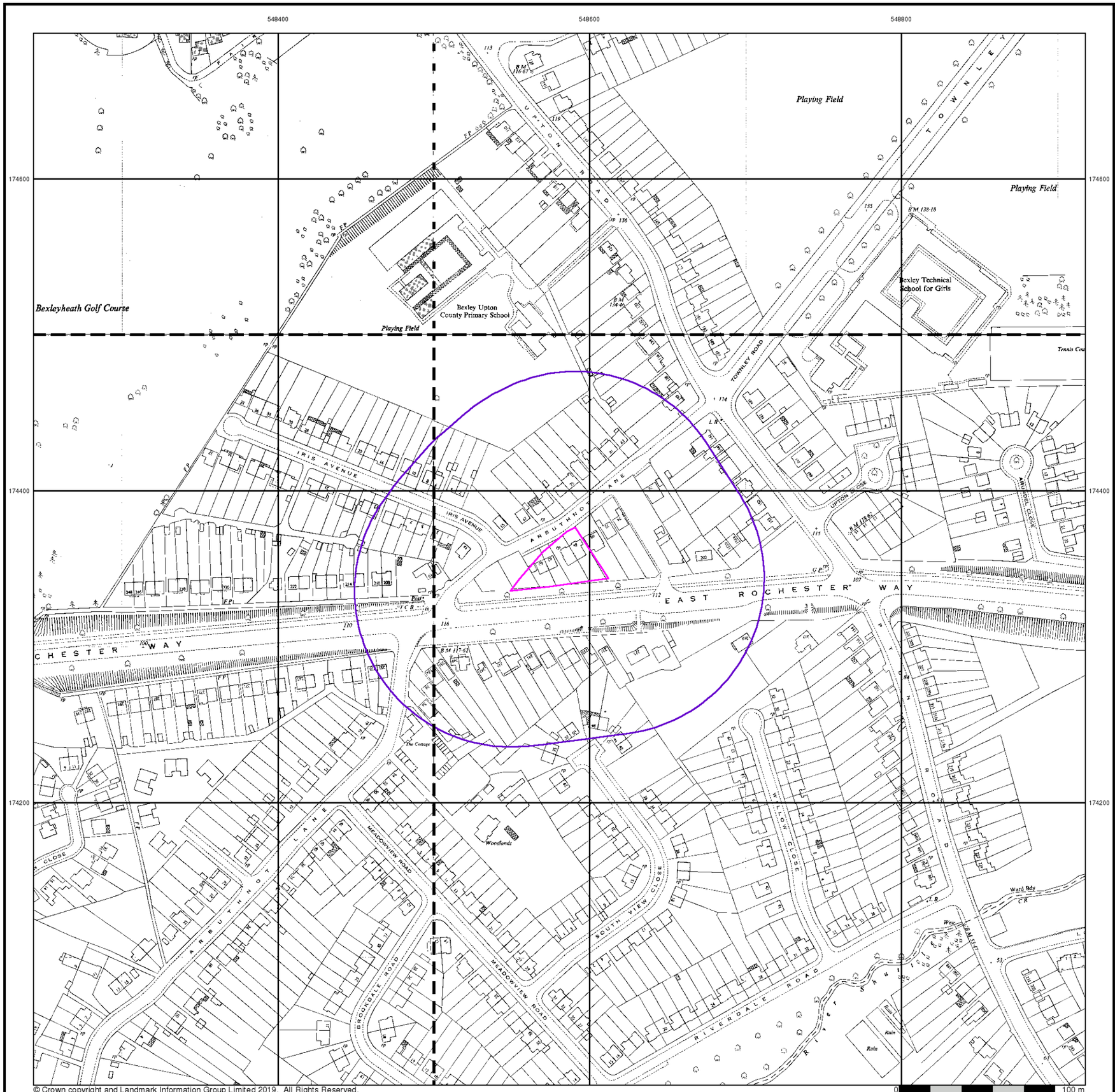
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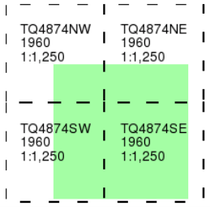
Ordnance Survey Plan

Published 1960

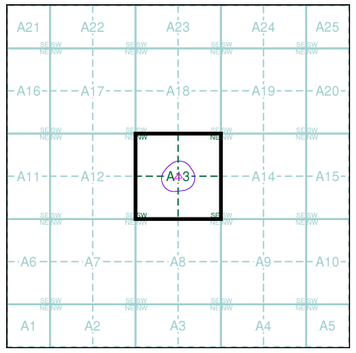
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

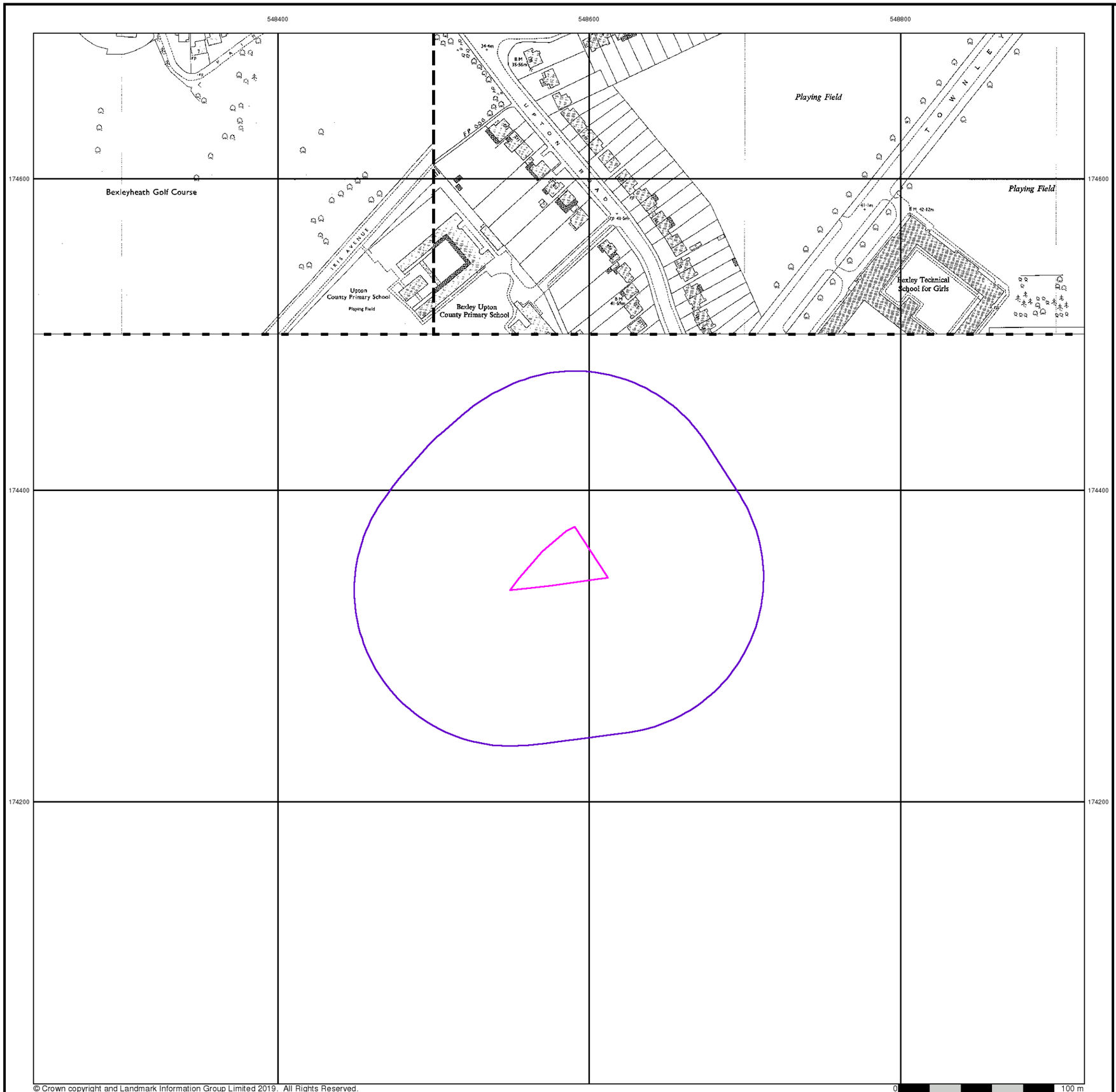
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Customer Ref:	14020774
National Grid Reference:	548580, 174350
Slice:	A
Site Area (Ha):	0.13
Search Buffer (m):	100

Site Details

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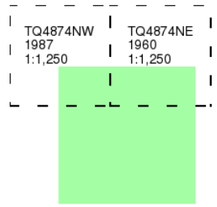
Additional SIMs

Published 1960 - 1987

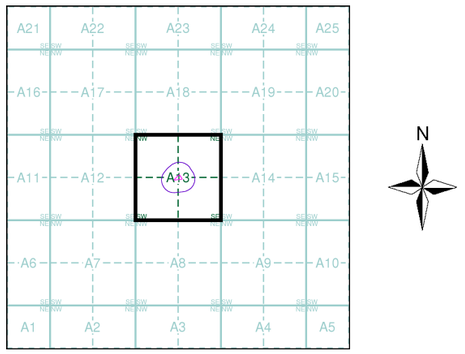
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

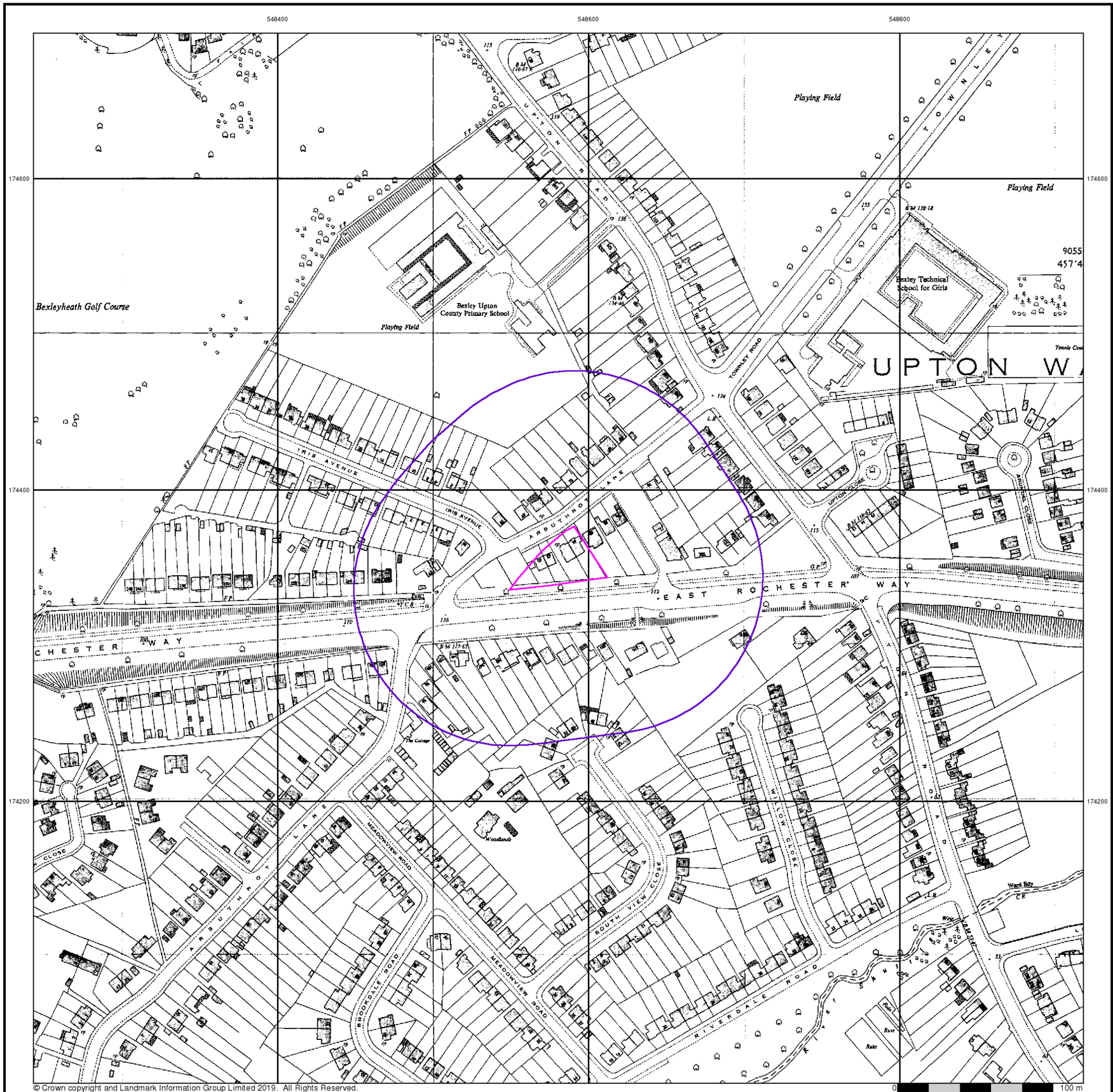
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Customer Ref:	14020774
National Grid Reference:	548580, 174350
Slice:	A
Site Area (Ha):	0.13
Search Buffer (m):	100

Site Details

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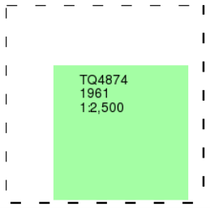
Ordnance Survey Plan

Published 1961

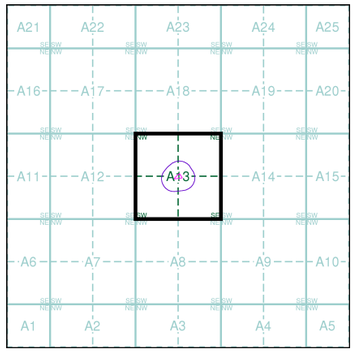
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

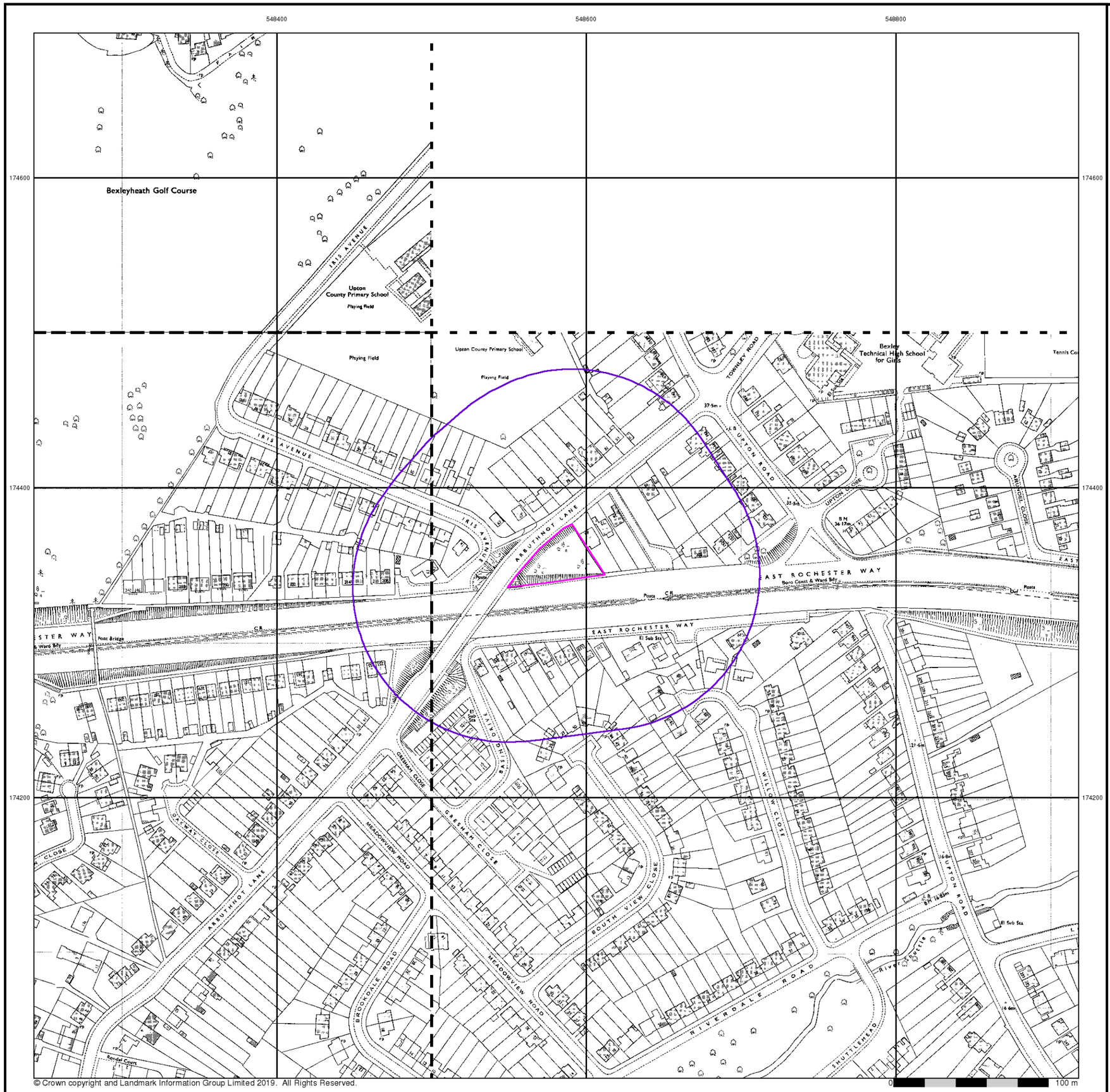
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National Grid Reference:	548580, 174350
Slice:	A
Site Area (Ha):	0.13
Search Buffer (m):	100

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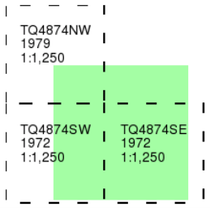
Ordnance Survey Plan

Published 1972 - 1979

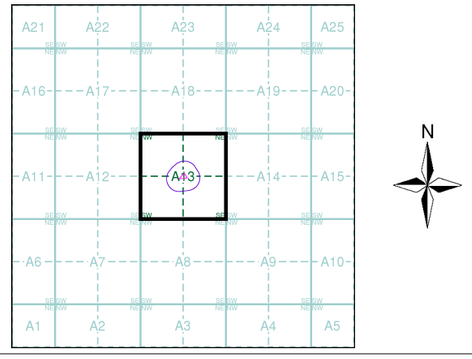
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

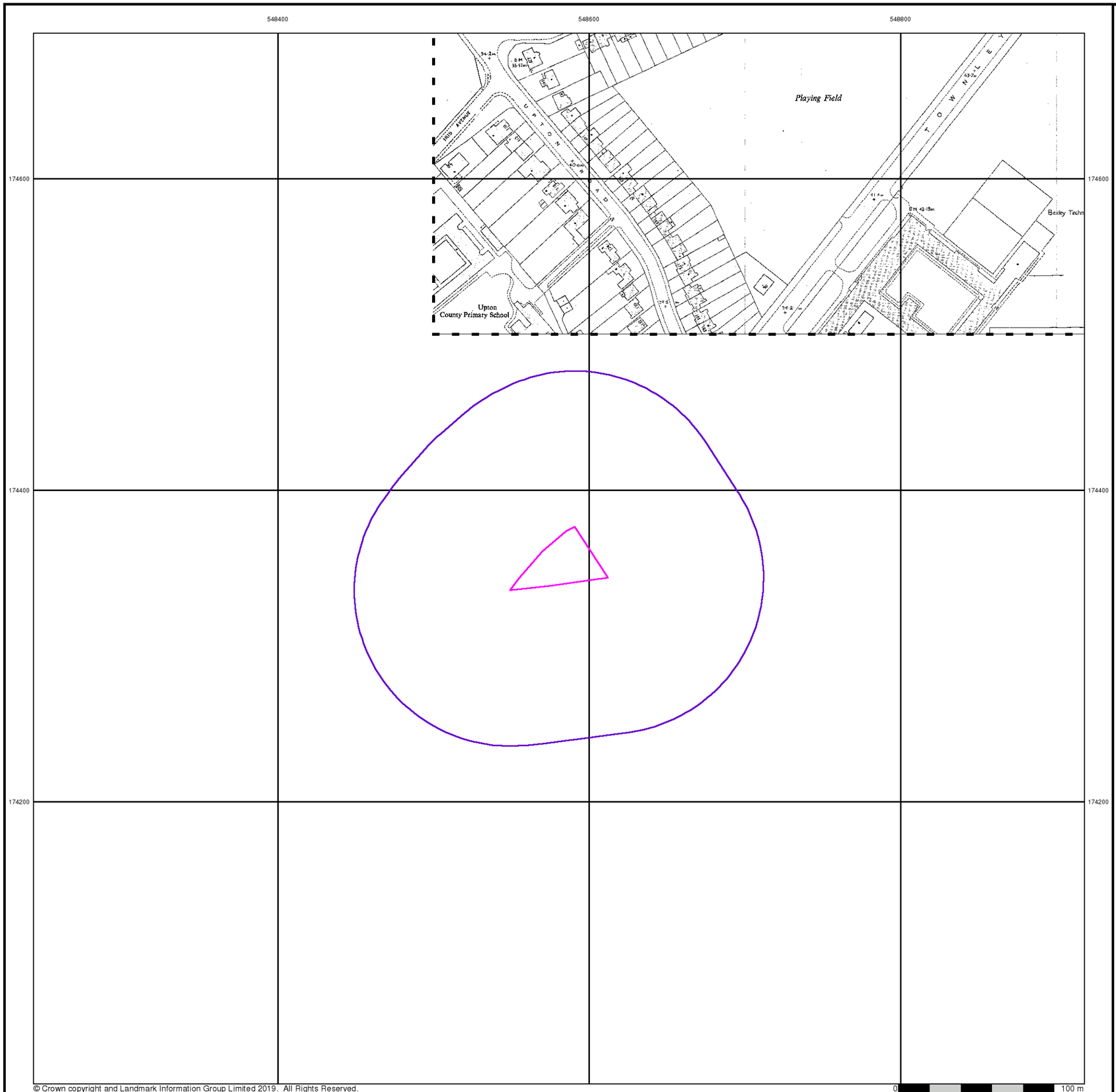
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Customer Ref:	14020774
National Grid Reference:	548580, 174350
Slice:	A
Site Area (Ha):	0.13
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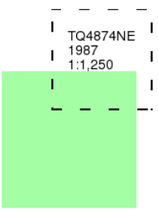
Additional SIMs

Published 1987

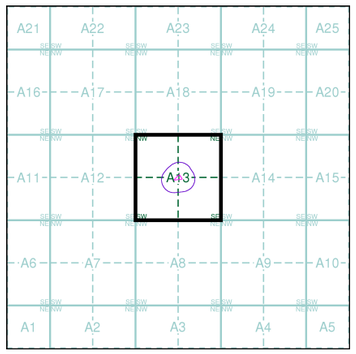
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

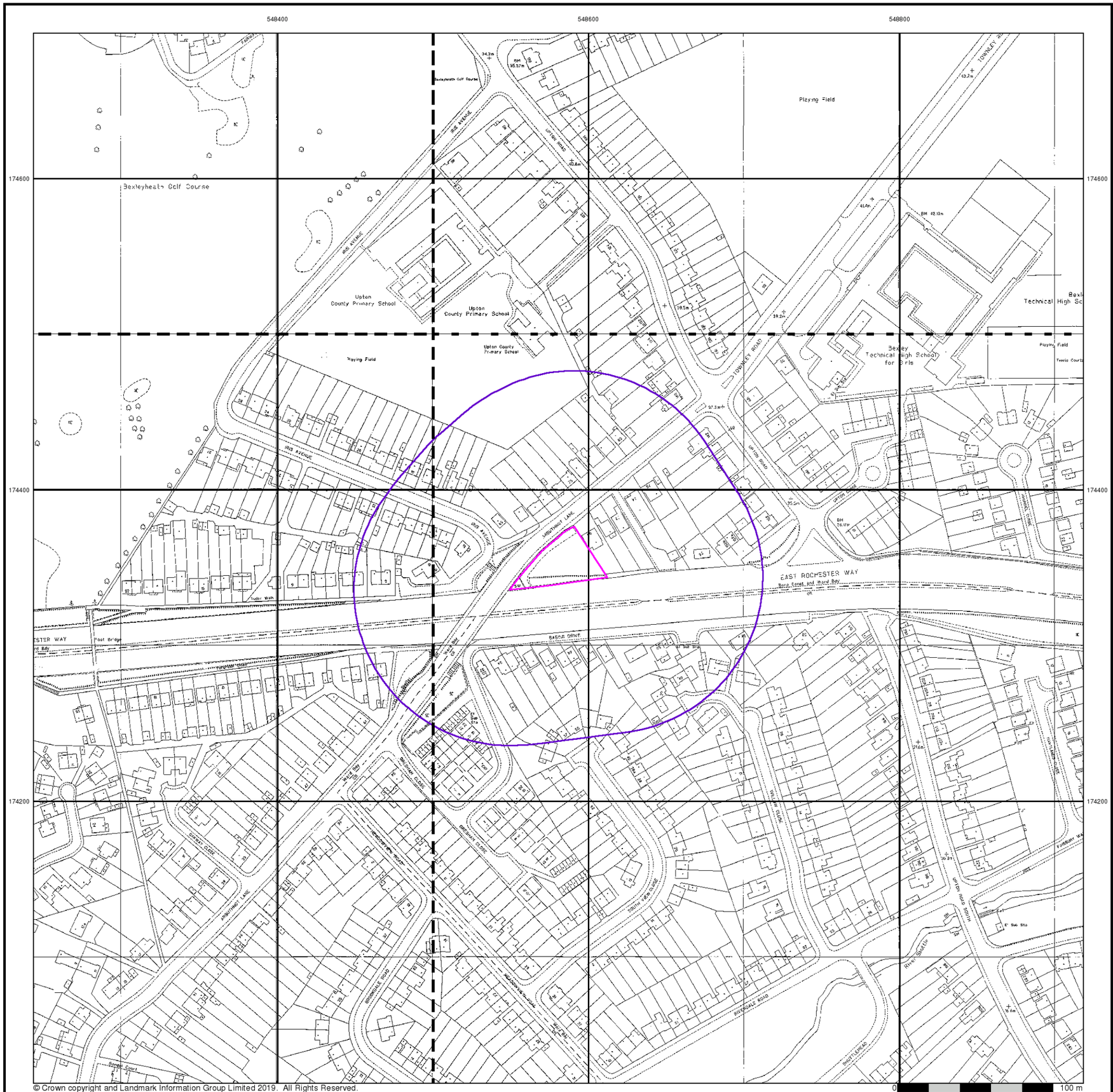
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Customer Ref:	14020774
National Grid Reference:	548580, 174350
Slice:	A
Site Area (Ha):	0.13
Search Buffer (m):	100

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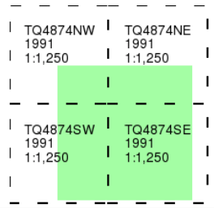
Large-Scale National Grid Data

Published 1991

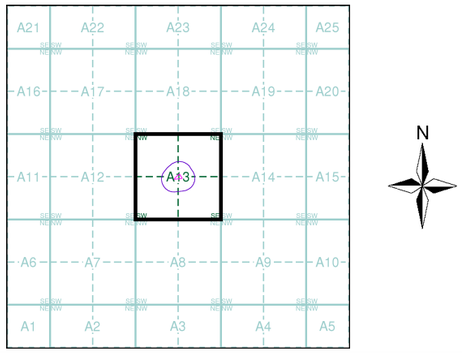
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

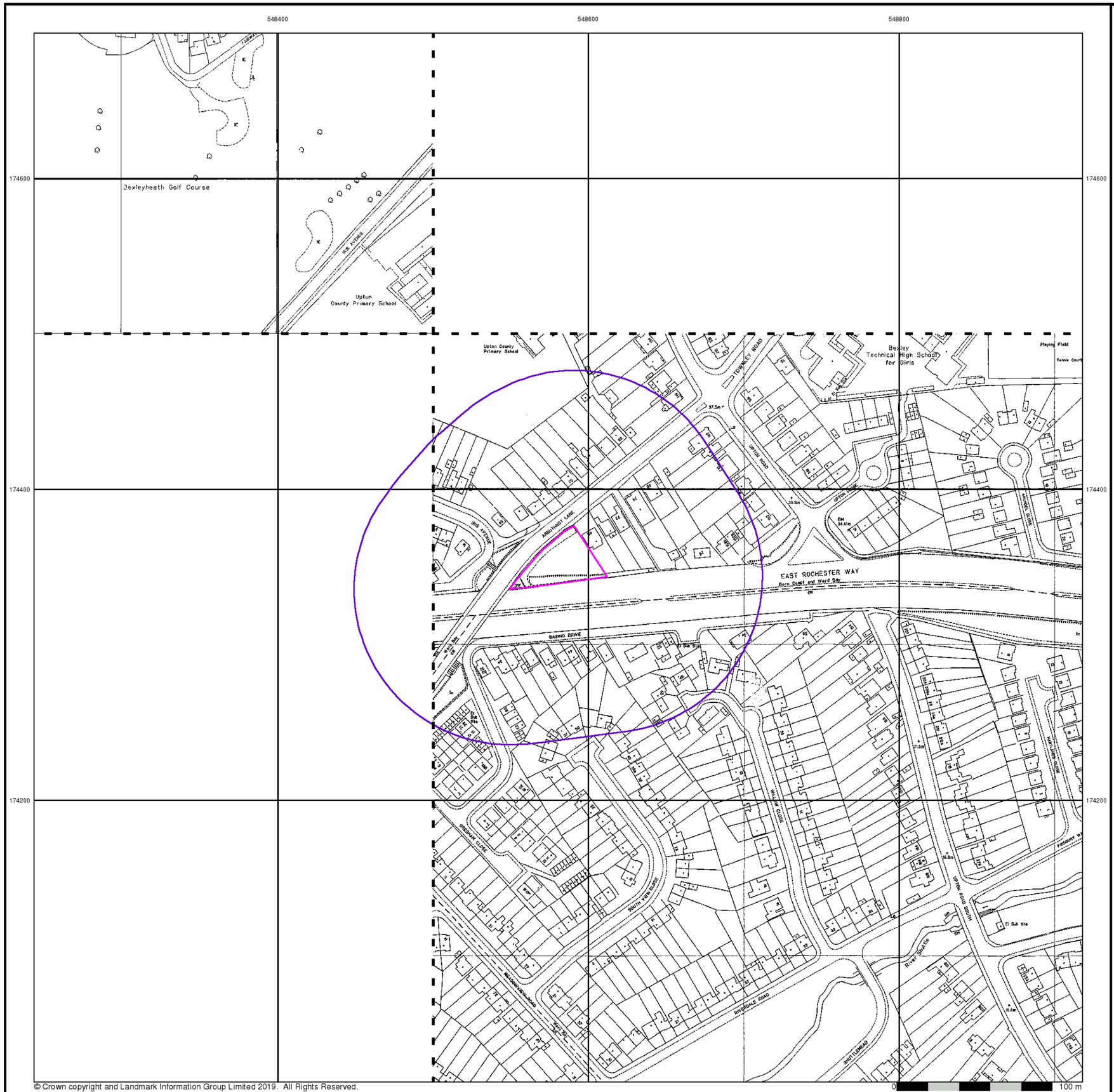
Order Number:	191717962_1_1
Customer Ref:	14020774
National Grid Reference:	548580, 174350
Slice:	A
Site Area (Ha):	0.13
Search Buffer (m):	100

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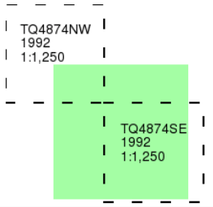
Large-Scale National Grid Data

Published 1992

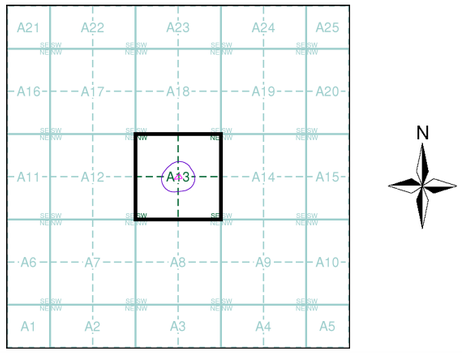
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

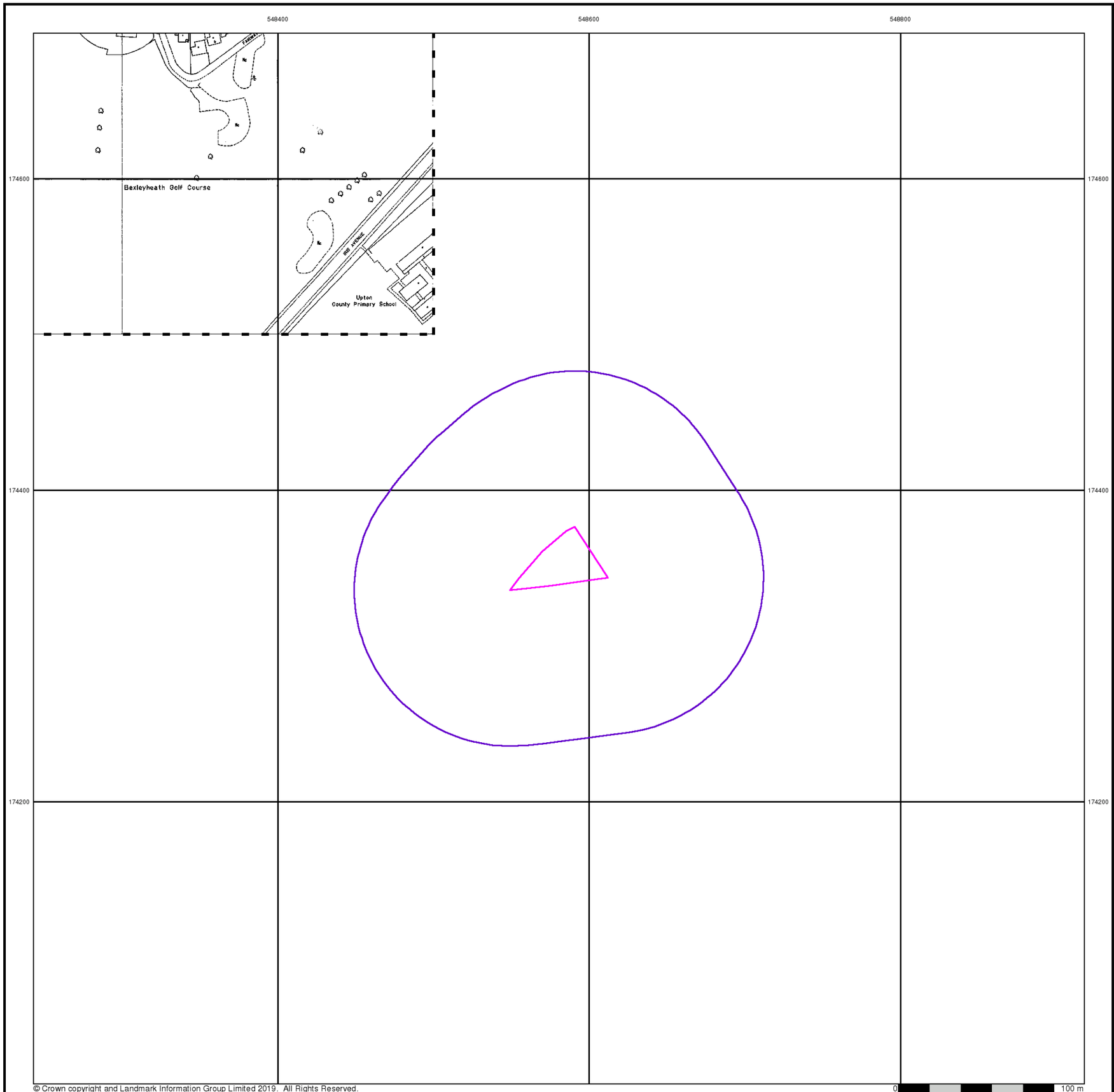
Order Number:	191717962_1_1
Customer Ref:	14020774
National Grid Reference:	548580, 174350
Slice:	A
Site Area (Ha):	0.13
Search Buffer (m):	100

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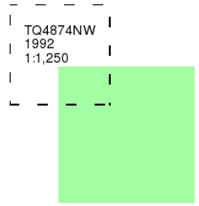
Large-Scale National Grid Data

Published 1992

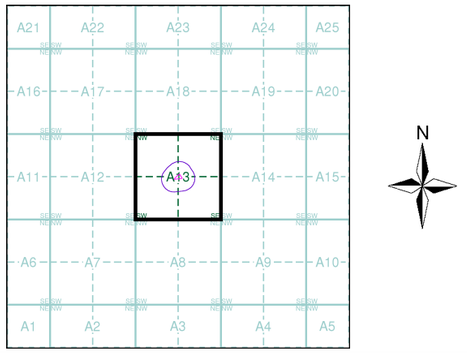
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	191717962_1_1
Customer Ref:	14020774
National Grid Reference:	548580, 174350
Slice:	A
Site Area (Ha):	0.13
Search Buffer (m):	100

Site Details

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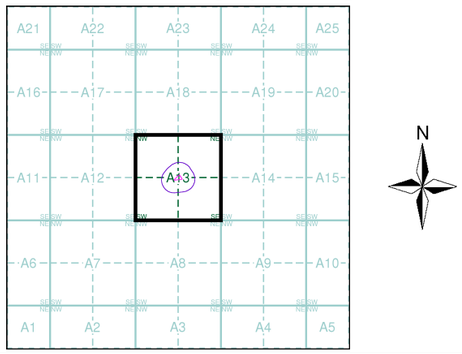
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Historical Aerial Photography

Published 1999

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

Historical Aerial Photography - Segment A13



Order Details

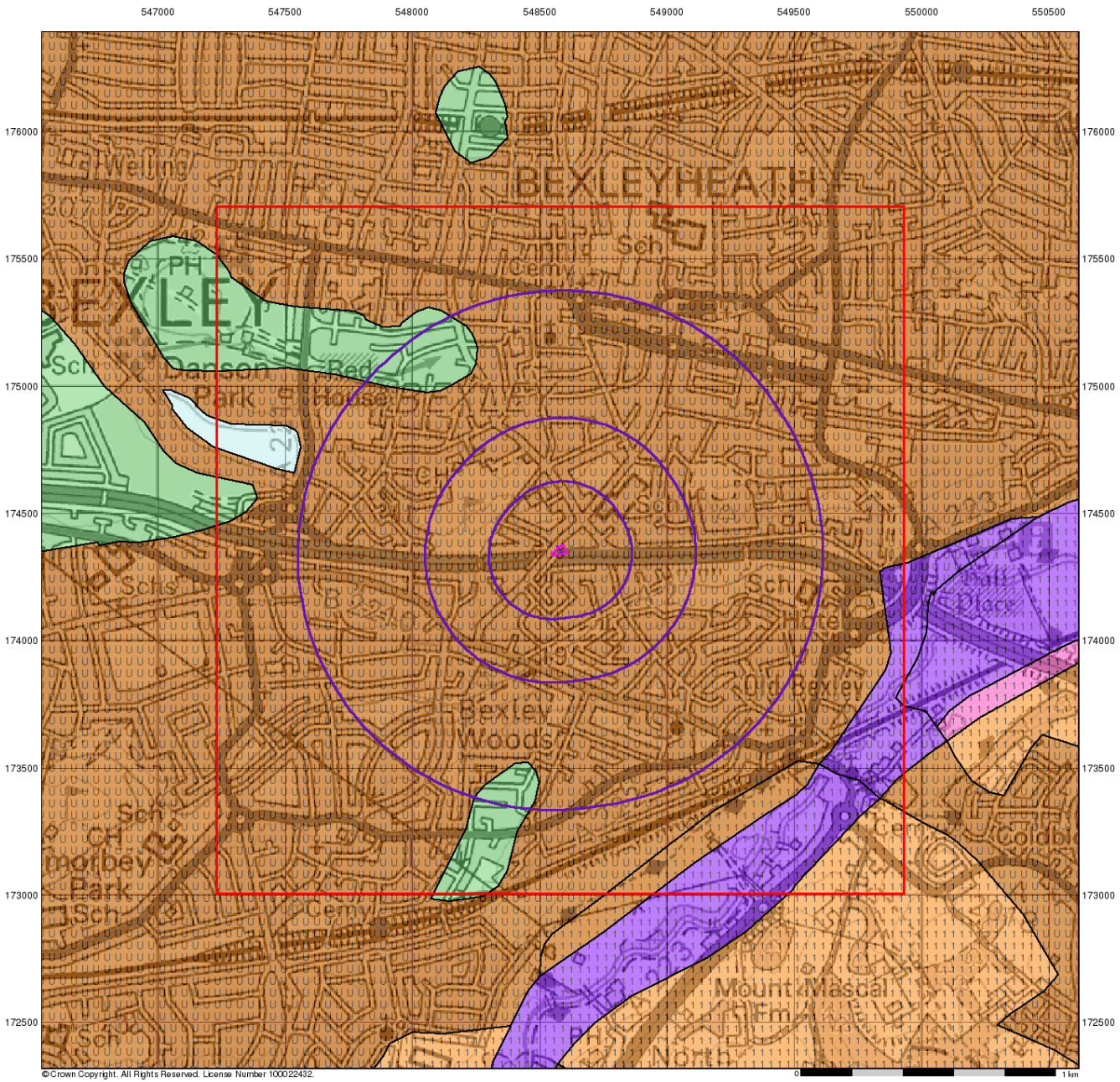
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Customer Ref:	14020774
National Grid Reference:	548580, 174350
Slice:	A
Site Area (Ha):	0.13
Search Buffer (m):	100

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APPENDIX B

Envirocheck Data Sheets and Site Sensitivity Maps



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Groundwater Vulnerability

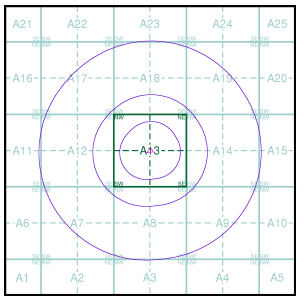
General

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

Agency and Hydrological

Geological Classes	Soil 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	

Site Sensitivity Context Map - Slice A



Order Details

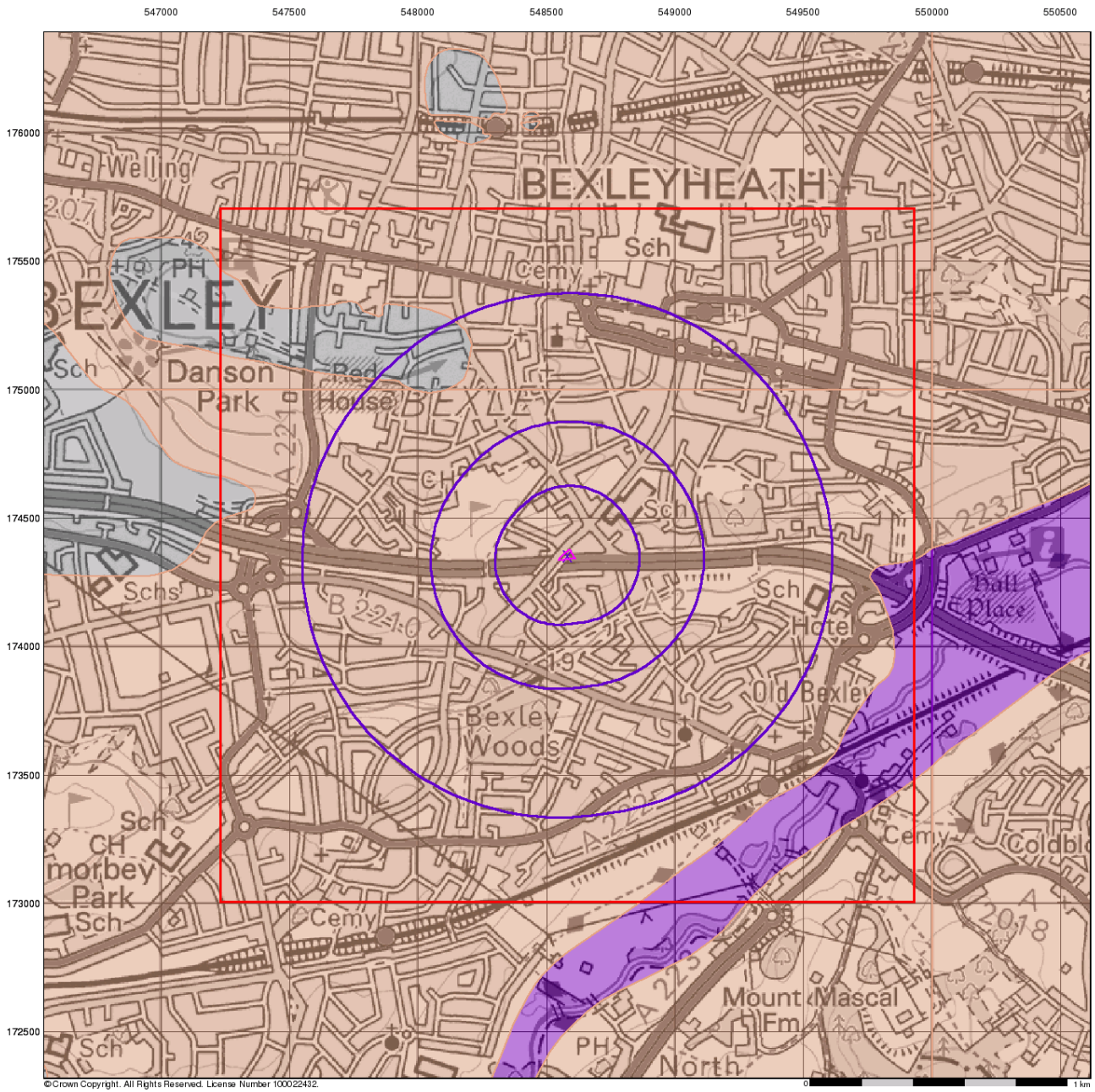
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Site Area (Ha):	0.13
Search Buffer (m):	1000

Site Details

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Bedrock Aquifer Designation

General

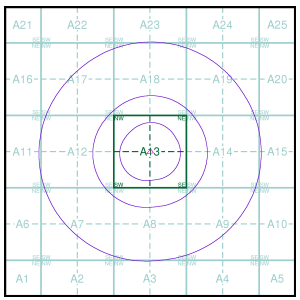
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

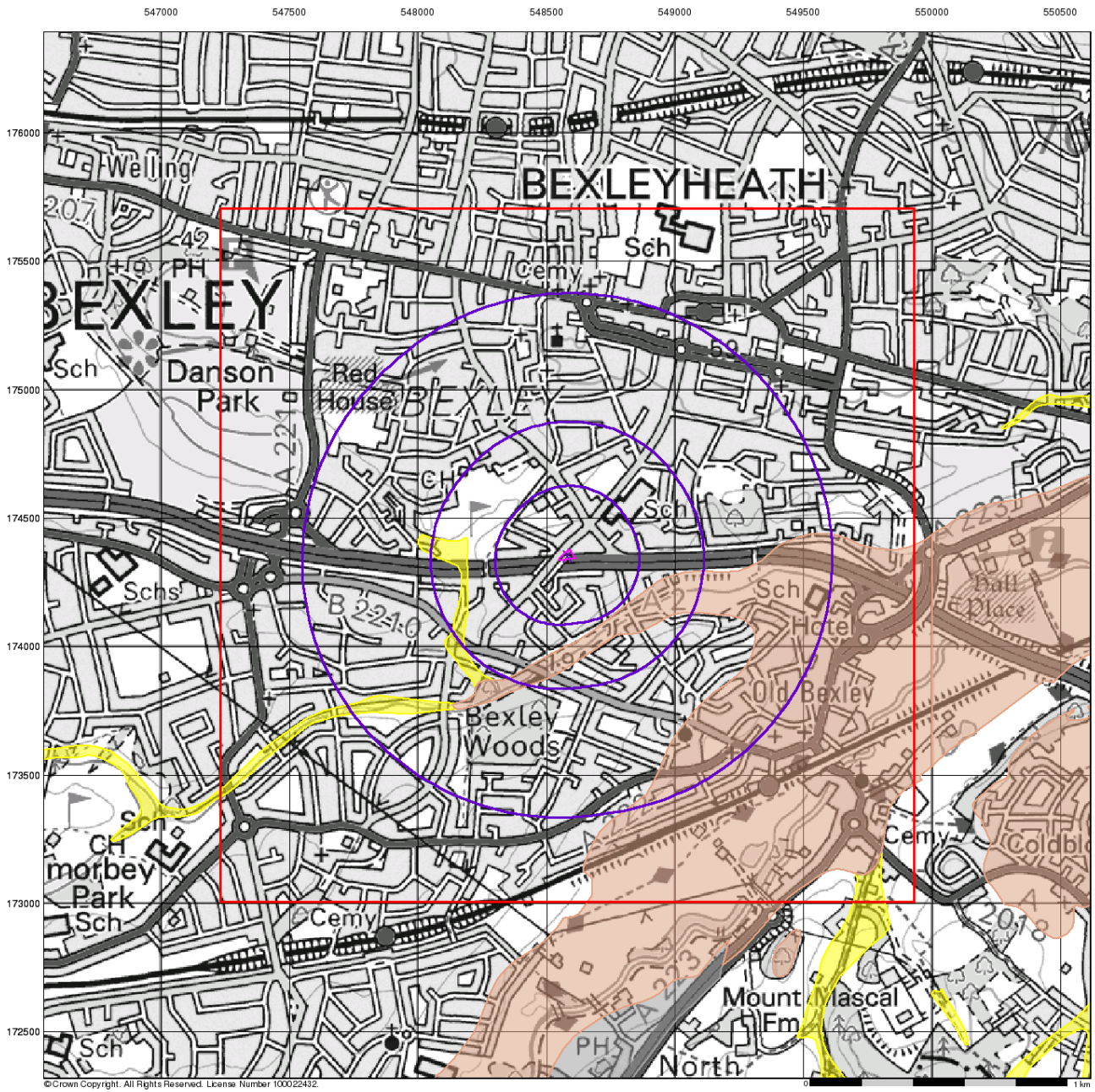
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Slice:	A
Site Area (Ha):	0.13
Search Buffer (m):	1000

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Superficial Aquifer Designation

General

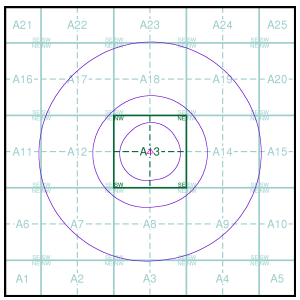
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number:	191717962_1_1
Customer Ref:	14020774
National Grid Reference:	548580, 174350
Slice:	A
Site Area (Ha):	0.13
Search Buffer (m):	1000

Site Details

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Source Protection Zones

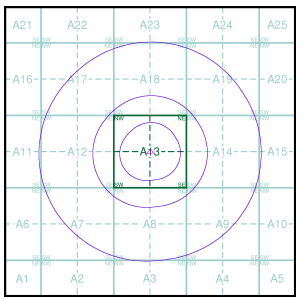
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



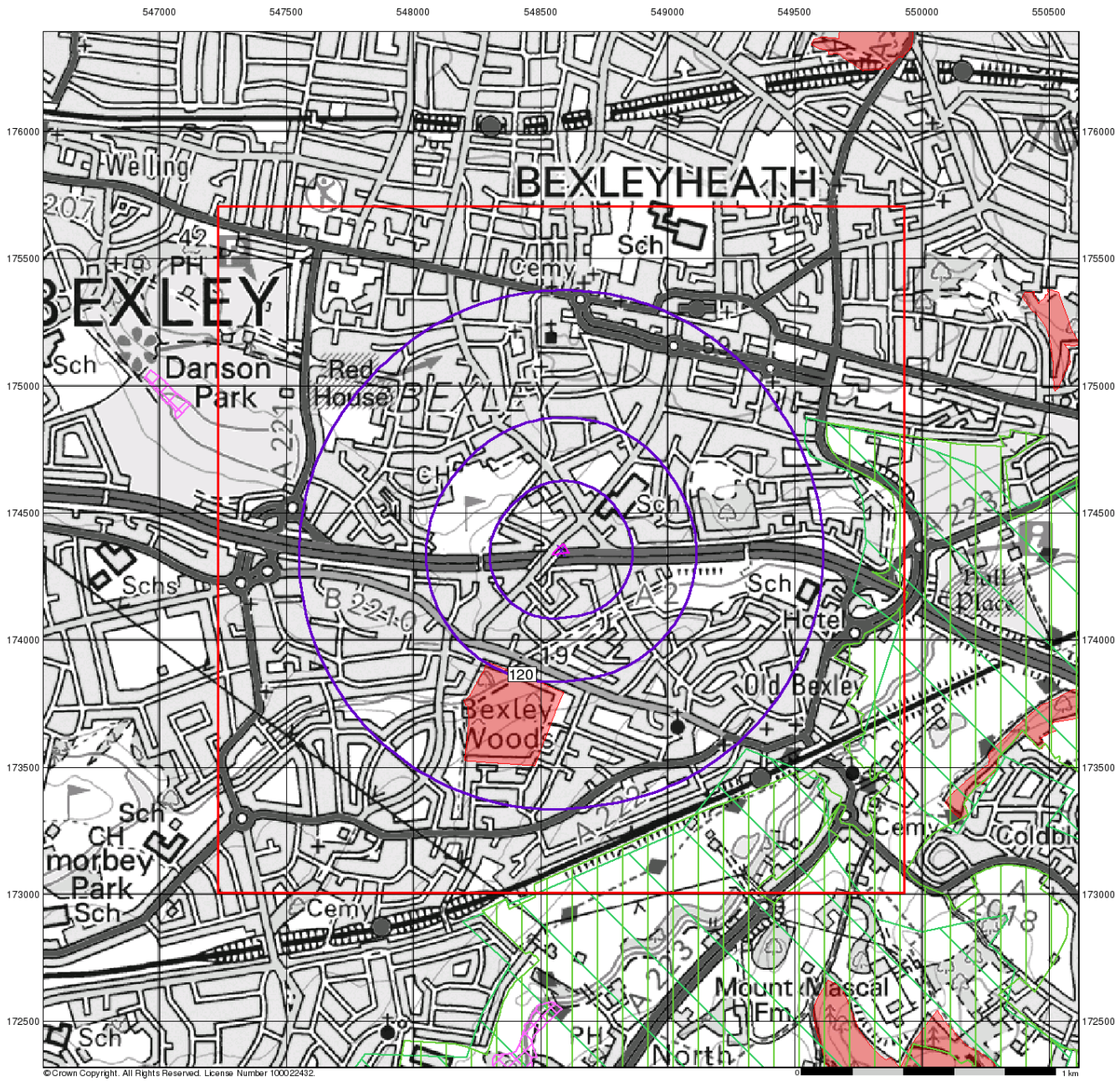
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National Grid Reference:	548580, 174350
Slice:	A
Site Area (Ha):	0.13
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Sensitive Land Uses

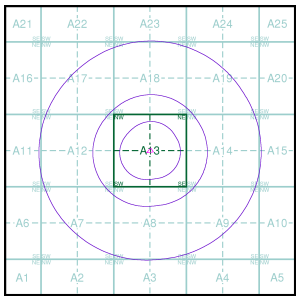
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



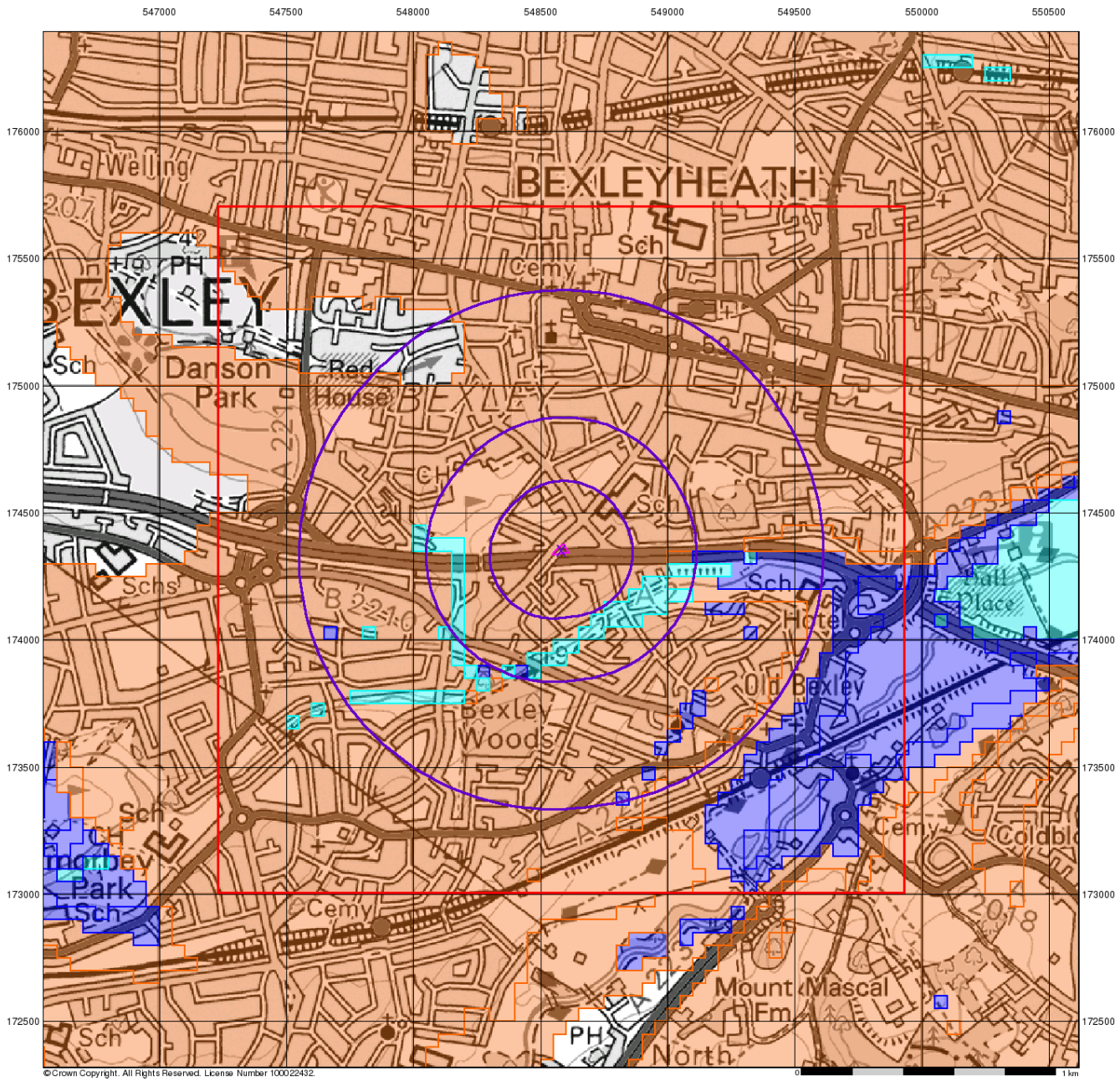
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National Grid Reference:	548580, 174350
Slice:	A
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BGS Flood GFS Data

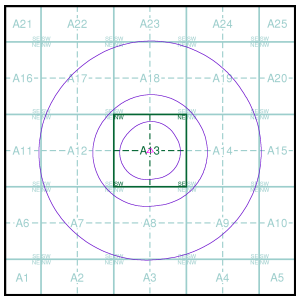
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number:	191717962_1_1
Customer Ref:	14020774
National Grid Reference:	548580, 174350
Slice:	A
Site Area (Ha):	0.13
Search Buffer (m):	1000

Site Details

71, Arbuthnot Lane, BEXLEY, DA5 1HD

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Envirocheck® Report:

Datasheet

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Order Number:
191717962_1_1

Customer Reference:
14020774

National Grid Reference:
548580, 174350

Slice:
A

Site Area (Ha):
0.13

Search Buffer (m):
1000

Site Details:

71, Arbuthnot Lane
BEXLEY
DA5 1HD

Client Details:

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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/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.
In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v53.0

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents					
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 1				4
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 1			Yes	
Pollution Incidents to Controlled Waters	pg 2			2	13
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 4			1	
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 4				(*51)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 17	Yes	n/a	n/a	n/a
Drift Deposits			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 17	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones	pg 17	2			1
Extreme Flooding from Rivers or Sea without Defences	pg 17		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 18			5	4

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 20	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 20				2
Potentially Infilled Land (Water)	pg 20				4
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 21	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry					
BGS Recorded Mineral Sites	pg 21				1
BGS Urban Soil Chemistry	pg 21			Yes	Yes
BGS Urban Soil Chemistry Averages	pg 24	Yes			
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 24	Yes	Yes	n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 24	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 24	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 24	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 24		Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 25		3	6	66
Fuel Station Entries					
Points of Interest - Commercial Services	pg 31		1	2	34
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 34			1	3
Points of Interest - Public Infrastructure	pg 34			1	7
Points of Interest - Recreational and Environmental	pg 35				3
Gas Pipelines					
Underground Electrical Cables	pg 35			6	8

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Summary

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

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (N)	0	1	548581 174350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (SE)	238	1	548750 174150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NE (S)	336	1	548581 174000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12SE (W)	350	1	548200 174350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	389	1	549000 174350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A14SW (E)	391	1	549000 174300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	400	1	549000 174250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	447	1	548450 173900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NW (S)	461	1	548400 173900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	489	1	549100 174350
1	**Local Authority Pollution Prevention and Controls** Name: Dry Cleaning Plus Location: 57 Lion Road, Bexley Heath, Da6 8nw Authority: London Borough of Bexley, Environmental Health Department Permit Reference: PP/07/17.0 Dated: 31st October 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Authorisation revoked** Positional Accuracy: Manually positioned to the address or location	A18NW (N)	858	2	548508 175230
2	**Local Authority Pollution Prevention and Controls** Name: Bexley Motor Works Location: 10A Lion Road, Bexleyheath, DA6 8NR Authority: London Borough of Bexley, Environmental Health Department Permit Reference: PP/11/1.0 Dated: 17th January 2011 Process Type: Local Authority Pollution Prevention and Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input **Status: Permitted** Positional Accuracy: Manually positioned to the address or location	A18NW (N)	922	2	548459 175289
3	**Local Authority Pollution Prevention and Controls** Name: Esteem Dry Cleaners Location: 171 Broadway, Bexley Heath, Da6 7es Authority: London Borough of Bexley, Environmental Health Department Permit Reference: PP/07/16.2 Dated: 31st October 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Authorisation revoked** Positional Accuracy: Manually positioned to the address or location	A18NE (N)	938	2	548829 175283
3	**Local Authority Pollution Prevention and Controls** Name: Broadway Dry Cleaners Location: 171 Broadway, Bexleyheath, Kent, DA6 7ES Authority: London Borough of Bexley, Environmental Health Department Permit Reference: Not Supplied Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Manually positioned to the address or location	A18NE (N)	938	2	548829 175283
	Nearest Surface Water Feature	A13SE (SE)	298	-	548757 174084

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	**Pollution Incidents to Controlled Waters** Property Type: Other General Premises Location: Upton Road, BEXLEY Authority: Environment Agency, Southern Region Pollutant: Oils - Diesel (Including Agricultural) Note: Oil Pollution On River Shuttle; Miscellaneous Premises: Unknown Incident Date: 13th July 1994 Incident Reference: 94T152 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)	308	3	548800 174100
5	**Pollution Incidents to Controlled Waters** Property Type: Domestic/Residential Location: Bexley Woods Authority: Environment Agency, Southern Region Pollutant: Oils - Gas Oil Note: Oil (Iridescence) On River Incident Date: 4th February 1993 Incident Reference: 92T506 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	A8NW (S)	496	3	548450 173850
5	**Pollution Incidents to Controlled Waters** Property Type: Other General Premises Location: R Shuttle, Bridgen Road Authority: Environment Agency, Southern Region Pollutant: Oils - Unknown Note: Oil On River Shuttle; Miscellaneous Premises: Unknown Incident Date: 11th June 1995 Incident Reference: 395141 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	A8NW (S)	509	3	548400 173850
6	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Other Location: Bexley Woods Authority: Environment Agency, Southern Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Brown Sludge In River; Water Company Sewage: Surface Water Outfall Incident Date: 18th October 1995 Incident Reference: 395398 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	A8NW (S)	557	3	548400 173800
7	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Woods Adjacent To Elmwood Drive Authority: Environment Agency, Southern Region Pollutant: Surcharged Sewage Note: Manhole Overflowing Incident Date: 26th March 1998 Incident Reference: 197118 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	A7NE (SW)	682	3	548200 173750
7	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Bexley Wopod, Elmhurst Drive Authority: Environment Agency, Southern Region Pollutant: Crude Sewage Note: Manhole Overflowing Incident Date: 15th July 1997 Incident Reference: 397348 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	726	3	548200 173700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Rising Main Location: Bexley Woods Authority: Environment Agency, Southern Region Pollutant: Crude Sewage Note: Manhole Overflowing Incident Date: 15th July 1997 Incident Reference: 397321 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NW (SW)	683	3	548300 173700
9	**Pollution Incidents to Controlled Waters** Property Type: Road Location: Location Description Not Available Authority: Environment Agency, Southern Region Pollutant: Oils - Other Oil Note: Barrel Of Tarmac Product Rolled Into Shuttle Incident Date: 17th May 1993 Incident Reference: 93T073 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	A14SE (E)	729	3	549340 174310
10	**Pollution Incidents to Controlled Waters** Property Type: Road (Road Traffic Accident) Location: Elmwood Drive, BEXLEY Authority: Environment Agency, Southern Region Pollutant: Miscellaneous - Inert Suspended Solids Note: River Shuttle Milky White Incident Date: 8th June 1996 Incident Reference: 396254 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Road Traffic Accident Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	743	3	548120 173730
10	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Murchison Ave / Elmwood Drive, BEXLEY Authority: Environment Agency, Southern Region Pollutant: Rubble/Litter Or Solids Note: Concrete In The River Shuttle Incident Date: 7th March 1998 Incident Reference: 398056 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	A7NE (SW)	779	3	548100 173700
10	**Pollution Incidents to Controlled Waters** Property Type: Arable Location: Bexley Park Wood, Elmwood Drive Authority: Environment Agency, Southern Region Pollutant: Storm Sewage Note: Foul Water Getting Into River Shuttle Incident Date: 1st November 1998 Incident Reference: 398289 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Leaking Underground Pipe Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	780	3	548105 173695
10	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Murchison Ave / Elmwood Drive, BEXLEY Authority: Environment Agency, Southern Region Pollutant: Surcharged Sewage Note: Overflowing Sewer Incident Date: 7th March 1998 Incident Reference: 398055 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	A7NE (SW)	783	3	548100 173695

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Bexley Park Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 22nd March 1990 Incident Reference: SE900071 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	898	3	547860 173760
12	**Pollution Incidents to Controlled Waters** Property Type: Miscellaneous Premises: Other Location: River Shuttle, Albany Road, BEXLEY Authority: Environment Agency, Southern Region Pollutant: Chemicals - Unknown Note: 3 X 10 Gallon Drums In River Incident Date: 22nd March 1998 Incident Reference: 197114 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Industrial Chemicals Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	949	3	547950 173600
13	**Pollution Incidents to Controlled Waters** Property Type: Other General Premises Location: Black Prince Authority: Environment Agency, Southern Region Pollutant: Oils - Unknown Note: Oil On Shuttle; Miscellaneous Premises: Other Incident Date: 26th July 1995 Incident Reference: 395250 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	A15SW (E)	989	3	549600 174350
	River Quality Name: Shuttle R GQA Grade: River Quality C Reach: Cray Conf - Source Estimated Distance (km): 7.5 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A13SE (SE)	293	3	548733 174077
	Water Abstractions Operator: Mr D Thomas Licence Number: 9/40/01/0058/B/Sr Permit Version: 101 Location: River Shuttle At Bexley 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): 436 Yearly Rate (m3): 18038 Details: Land Shown Edged Green On The Map At Hall Place, Bexley Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 8th October 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A15SW (E)	1255	3	549860 174220

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mayor & Burgesses Of The London Borough Of Bexley Licence Number: 9/40/01/0058/B/Sr Permit Version: 102 Location: River Shuttle At Bexley 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: Land Shown Edged Green On The Map At Hall Place, Bexley Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 8th October 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15SW (E)	1255	3	549860 174220
	Water Abstractions Operator: The Mayor And Burgesses Of The London Borough Of Bexley Licence Number: 9/40/01/0058/B/Sr Permit Version: 100 Location: River Shuttle At Bexley 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): 436 Yearly Rate (m3): 18038.5 Details: Land Shown Edged Green On The Map At Hall Place, Bexley Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 3rd July 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15SW (E)	1255	3	549860 174220
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 9/40/01/0130/Gr Permit Version: 107 Location: Bexley Pumping Station, London Borough Of Bexley, Kent Authority: Environment Agency, Southern Region Abstraction: Public Water Supply: Potable Water Supply - 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: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 15th March 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SW (S)	1404	3	548505 172933
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 9/40/01/0130/Gr Permit Version: 106 Location: Bexley Pumping Station, London Borough Of Bexley, Kent Authority: Environment Agency, Southern Region Abstraction: Public Water Supply: Potable Water Supply - 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: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 28th March 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SW (S)	1404	3	548505 172933

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: The National Grid Company Plc Licence Number: 9/40/01/0162/G Permit Version: 100 Location: Point A3, Footscray Lane, Bexley. Authority: Environment Agency, Southern Region Abstraction: Amenity: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: The Position Marked A On The Map. Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 23rd November 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A6NW (W)	1440	3	547190 173860
	Water Abstractions Operator: The Secretary Of Cray River Anglers '84 Licence Number: 37/098 Permit Version: 101 Location: Point B, River Cray At Old Bexley Authority: Environment Agency, Southern Region Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Boldly Outlined On Licence Map. Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 27th April 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A4NE (SE)	1447	3	549350 173100
	Water Abstractions Operator: The Secretary Of Cray River Anglers '84 Licence Number: 37/098 Permit Version: 100 Location: Point B, River Cray At Old Bexley Authority: Environment Agency, Southern Region Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Boldly Outlined On Licence Map. Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 6th August 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A4NE (SE)	1447	3	549350 173100
	Water Abstractions Operator: Mr D Thomas Licence Number: 9/40/01/0058/B/Sr Permit Version: 101 Location: Point D River Shuttle, Bexley Authority: Environment Agency, Southern Region Abstraction: Amenity: Private Non-Industrial: Large Garden Watering Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land Shown Edged Green On The Map At Hall Place, Bexley Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 8th October 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15SE (E)	1459	3	550050 174100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mayor & Burgesses Of The London Borough Of Bexley Licence Number: 9/40/01/0058/B/Sr Permit Version: 102 Location: Point D River Shuttle, Bexley Authority: Environment Agency, Southern Region Abstraction: Amenity: Private Non-Industrial: Large Garden Watering Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land Shown Edged Green On The Map At Hall Place, Bexley Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 8th October 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15SE (E)	1459	3	550050 174100
	Water Abstractions Operator: The Mayor And Burgesses Of The London Borough Of Bexley Licence Number: 9/40/01/0058/B/Sr Permit Version: 100 Location: Point D River Shuttle, Bexley Authority: Environment Agency, Southern Region Abstraction: Amenity: Private Non-Industrial: Large Garden Watering Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land Shown Edged Green On The Map At Hall Place, Bexley Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 3rd July 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15SE (E)	1459	3	550050 174100
	Water Abstractions Operator: The Secretary Of Cray River Anglers '84 Licence Number: 37/098 Permit Version: 101 Location: Point A, River Cray At Old Bexley Authority: Environment Agency, Southern Region Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Boldly Outlined On Licence Map. Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 27th April 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A4NE (SE)	1463	3	549330 173070
	Water Abstractions Operator: The Secretary Of Cray River Anglers '84 Licence Number: 37/098 Permit Version: 101 Location: Point A, River Cray At Old Bexley Authority: Environment Agency, Southern Region Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Boldly Outlined On Licence Map. Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 27th April 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A4NE (SE)	1463	3	549330 173070

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: The Secretary Of Cray River Anglers '84 Licence Number: 37/098 Permit Version: 100 Location: Point A, River Cray At Old Bexley Authority: Environment Agency, Southern Region Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Boldly Outlined On Licence Map. Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 6th August 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A4NE (SE)	1463	3	549330 173070
	Water Abstractions Operator: The Secretary Of Cray River Anglers '84 Licence Number: 37/098 Permit Version: 100 Location: Point A, River Cray At Old Bexley Authority: Environment Agency, Southern Region Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Boldly Outlined On Licence Map. Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 6th August 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A4NE (SE)	1463	3	549330 173070
	Water Abstractions Operator: Bexley Sand & Ballast Co Ltd Licence Number: 9/40/01/0077/B/Gr Permit Version: 100 Location: River Gravels At Manor Farm, Bexley (Point B) Authority: Environment Agency, Southern Region Abstraction: Industrial/Commercial/Energy/Public Services: Transfer between sources Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Shown Coloured Blue On The Map. Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 22nd November 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A10NE (E)	1523	3	550030 173790
	Water Abstractions Operator: Mr A Nield Licence Number: 9/40/01/0058/B/Sr Permit Version: 105 Location: Points A - B River Cray At Bexley 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: Nursery Gardens At Hall Place, Bexley. Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 19th May 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15SE (E)	1536	3	550143 174224

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mr A Nield Licence Number: 9/40/01/0058/B/Sr Permit Version: 105 Location: Points A - B River Cray At Bexley Authority: Environment Agency, Southern Region Abstraction: Amenity: Private Non-Industrial: Large Garden Watering 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: Land Shown Edged Green On The Map At Hall Place, Bexley Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 19th May 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15SE (E)	1536	3	550143 174224
	Water Abstractions Operator: Mr A Nield Licence Number: 9/40/01/0058/B/Sr Permit Version: 104 Location: Points A - B River Cray At Bexley 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: Nursery Gardens At Hall Place, Bexley. Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 23rd February 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15SE (E)	1536	3	550143 174224
	Water Abstractions Operator: Mr A Nield Licence Number: 9/40/01/0058/B/Sr Permit Version: 104 Location: Points A - B River Cray At Bexley Authority: Environment Agency, Southern Region Abstraction: Amenity: Private Non-Industrial: Large Garden Watering 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: Land Shown Edged Green On The Map At Hall Place, Bexley Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 23rd February 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15SE (E)	1536	3	550143 174224
	Water Abstractions Operator: Mayor & Burgesses Of The London Borough Of Bexley Licence Number: 9/40/01/0058/B/Sr Permit Version: 103 Location: Points A - B River Cray At Bexley 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: Nursery Gardens At Hall Place, Bexley. Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 30th October 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15SE (E)	1536	3	550143 174224

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mayor & Burgesses Of The London Borough Of Bexley Licence Number: 9/40/01/0058/B/Sr Permit Version: 103 Location: Points A - B River Cray At Bexley Authority: Environment Agency, Southern Region Abstraction: Amenity: Private Non-Industrial: Large Garden Watering 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: Land Shown Edged Green On The Map At Hall Place, Bexley Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 30th October 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15SE (E)	1536	3	550143 174224
	Water Abstractions Operator: Mr A Waker Licence Number: 37/098 Permit Version: 103 Location: River Cray At Old Bexley Authority: Environment Agency, Southern Region Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 15th November 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A4SE (SE)	1541	3	549300 172965
	Water Abstractions Operator: Mr A Waker Licence Number: 37/098 Permit Version: 103 Location: River Cray At Old Bexley Authority: Environment Agency, Southern Region Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 15th November 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A4SE (SE)	1541	3	549300 172965
	Water Abstractions Operator: Mr A Mcguirk Licence Number: 37/098 Permit Version: 102 Location: River Cray At Old Bexley Authority: Environment Agency, Southern Region Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 15th December 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A4SE (SE)	1541	3	549300 172965

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mr A Mcguirk Licence Number: 37/098 Permit Version: 102 Location: River Cray At Old Bexley Authority: Environment Agency, Southern Region Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 15th December 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A4SE (SE)	1541	3	549300 172965
	Water Abstractions Operator: Bexley Sand & Ballast Co Ltd Licence Number: 9/40/01/0077/B/Gr Permit Version: 100 Location: River Gravels At Manor Farm, Bexley (Point A) Authority: Environment Agency, Southern Region Abstraction: Mineral Products: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 418 Yearly Rate (m3): 295490 Details: As Shown Coloured Blue On The Map. Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 22nd November 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A10NE (E)	1566	3	550060 173750
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 9/40/01/0130/Gr Permit Version: 105 Location: Borehole 1 At Bexley Pumping Station 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): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SW (S)	1579	3	548501 172758
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 9/40/01/0130/Gr Permit Version: 104 Location: Borehole 1 At Bexley Pumping Station 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): Not Supplied Yearly Rate (m3): Not Supplied Details: As Shown On Licence Map Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 23rd November 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SW (S)	1579	3	548501 172758

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 9/40/01/0130/Gr Permit Version: 103 Location: Borehole 1 At Bexley Pumping Station 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): Not Supplied Yearly Rate (m3): Not Supplied Details: As Shown On Licence Map Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 10th December 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SW (S)	1579	3	548501 172758
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 9/40/01/0130/Gr Permit Version: 102 Location: Borehole 1 At Bexley Pumping Station 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): Not Supplied Yearly Rate (m3): Not Supplied Details: As Shown On Licence Map Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 29th October 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SW (S)	1579	3	548501 172758
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 9/40/01/0130/Gr Permit Version: 105 Location: Well At Bexley Pumping Station 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): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SE (S)	1619	3	548649 172720
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 9/40/01/0130/Gr Permit Version: 104 Location: Well At Bexley Pumping Station 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): Not Supplied Yearly Rate (m3): Not Supplied Details: As Shown On Licence Map Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 23rd November 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SE (S)	1619	3	548649 172720

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 9/40/01/0130/Gr Permit Version: 103 Location: Well At Bexley Pumping Station 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): Not Supplied Yearly Rate (m3): Not Supplied Details: As Shown On Licence Map Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 10th December 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SE (S)	1619	3	548649 172720
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 9/40/01/0130/Gr Permit Version: 102 Location: Well At Bexley Pumping Station 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): Not Supplied Yearly Rate (m3): Not Supplied Details: As Shown On Licence Map Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 29th October 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SE (S)	1619	3	548649 172720
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 9/40/01/0130/Gr Permit Version: 101 Location: Borehole At Bexley Pumping Station 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): Not Supplied Yearly Rate (m3): Not Supplied Details: As Shown On Licence Map Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 1st April 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SE (S)	1619	3	548650 172720
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 9/40/01/0130/Gr Permit Version: 100 Location: Borehole At Bexley Pumping Station 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): Not Supplied Yearly Rate (m3): Not Supplied Details: H5 Chalk Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 2nd December 1996 Permit End Date: 31st March 2001 Positional Accuracy: Located by supplier to within 100m	A3SE (S)	1619	3	548650 172720

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: William (Bill) Kelsey & Andree Kelsey Licence Number: 9/40/01/0062/Sr Permit Version: 102 Location: River Cray At Woollett Hall Farm, North Cray 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: As Shown Hatched Green On The Map. Authorised Start: 01 March Authorised End: 30 September Permit Start Date: 12th September 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A4SW (S)	1629	3	548990 172760
	Water Abstractions Operator: Kelsey Bros Licence Number: 9/40/01/0062/Sr Permit Version: 101 Location: River Cray At Woollett Hall Farm, North Cray 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: As Shown Hatched Green On The Map. Authorised Start: 01 March Authorised End: 30 September Permit Start Date: 30th October 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A4SW (S)	1629	3	548990 172760
	Water Abstractions Operator: Kelsey Bros Licence Number: 9/40/01/0062/Sr Permit Version: 100 Location: River Cray At Woollett Hall Farm, North Cray 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): 264 Yearly Rate (m3): 31822 Details: As Shown Hatched Green On The Map. Authorised Start: 01 March Authorised End: 30 September Permit Start Date: 18th April 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A4SW (S)	1629	3	548990 172760
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 9/40/01/0130/Gr Permit Version: 105 Location: Borehole 2 At Bexley Pumping Station 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): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SE (S)	1658	3	548730 172688

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 9/40/01/0130/Gr Permit Version: 104 Location: Borehole 2 At Bexley Pumping Station 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): Not Supplied Yearly Rate (m3): Not Supplied Details: As Shown On Licence Map Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 23rd November 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SE (S)	1658	3	548730 172688
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 9/40/01/0130/Gr Permit Version: 103 Location: Borehole 2 At Bexley Pumping Station 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): Not Supplied Yearly Rate (m3): Not Supplied Details: As Shown On Licence Map Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 10th December 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SE (S)	1658	3	548730 172688
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 9/40/01/0130/Gr Permit Version: 102 Location: Borehole 2 At Bexley Pumping Station 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): Not Supplied Yearly Rate (m3): Not Supplied Details: As Shown On Licence Map Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 29th October 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SE (S)	1658	3	548730 172688
	Water Abstractions Operator: The National Grid Company Plc Licence Number: 9/40/01/0162/G Permit Version: 100 Location: Point A2, Footscray Lane, Bexley. Authority: Environment Agency, Southern Region Abstraction: Amenity: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: The Position Marked A On The Map. Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 23rd November 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A1NW (SW)	1665	3	547230 173320

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mayor & Burgesses Of The London Borough Of Bexley Licence Number: 9/40/01/0058/A/Sr Permit Version: 101 Location: Lake At Danson Park, Bexley Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from any point within an area Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land Shown Edged Green On The Map. Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 30th October 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16NW (NW)	1738	3	546970 175060
	Water Abstractions Operator: The Mayor And Burgesses Of The London Borough Of Bexley Licence Number: 9/40/01/0058/A/Sr Permit Version: 100 Location: Lake At Danson Park, Bexley Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from any point within an area Source: Surface Daily Rate (m3): 68 Yearly Rate (m3): 1363.8 Details: Land Shown Edged Green On The Map. Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 3rd July 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16NW (NW)	1738	3	546970 175060
	Water Abstractions Operator: The National Grid Company Plc Licence Number: 1/0167/A/G Permit Version: Not Supplied Location: Vicarage Road, BEXLEY Authority: Environment Agency, Southern Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Pond or Lake Daily Rate (m3): 2618 Yearly Rate (m3): 958370 Details: Additional Purpose: Industrial cooling 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	A5SW (SE)	1778	3	549770 172995
	Water Abstractions Operator: The National Grid Company Plc Licence Number: 1/0167/ /G Permit Version: Not Supplied Location: Vicarage Road, BEXLEY Authority: Environment Agency, Southern Region Abstraction: Industrial Cooling (Miscellaneous) Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 2618 Yearly Rate (m3): 958369.5 Details: H5 Chalk 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	A5SW (SE)	1782	3	549775 172995

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Sidcup Golf Club 1926 Ltd Licence Number: 37/101 Permit Version: 100 Location: Point A, Lake At Sidcup Golf Club. Authority: Environment Agency, Southern Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On Licence Map. Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 30th October 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(SW)	1881	3	546880 173470
	Water Abstractions Operator: The National Grid Company Plc Licence Number: 9/40/01/0162/G Permit Version: 100 Location: Point A1, Footscray Lane, Bexley. Authority: Environment Agency, Southern Region Abstraction: Amenity: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 2618 Yearly Rate (m3): 958369.5 Details: The Position Marked A On The Map. Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 23rd November 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A1SE (SW)	1947	3	547380 172780
	Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise Map Sheet: Sheet 40 Thames Estuary Scale: 1:100,000	A13SE (N)	0	3	548581 174350
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SE (N)	0	4	548581 174350
	Superficial Aquifer Designations No Data Available				
14	**Source Protection Zones** Name: Not Supplied 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.	A13SE (N)	0	3	548581 174350
15	**Source Protection Zones** Name: Not Supplied 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.	A13SE (N)	0	3	548581 174350
16	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	A8SW (S)	969	3	548490 173369
	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)	250	3	548729 174123
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flood Water Storage Areas None				
	Flood Defences None				
17	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 313.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Shuttle Catchment Name: Thames Primacy: 1	A13SE (SE)	300	5	548757 174082
18	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13SE (SE)	315	5	548834 174122
19	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 987.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Shuttle Catchment Name: Thames Primacy: 1	A13SE (SE)	315	5	548834 174122
20	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A8NW (S)	370	5	548580 173967
21	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 270.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Shuttle Catchment Name: Thames Primacy: 1	A8NE (S)	372	5	548581 173966
22	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 202.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Shuttle Catchment Name: Thames Primacy: 1	A8NW (SW)	521	5	548356 173852
23	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 14.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A8NW (SW)	521	5	548356 173852
24	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1334.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Shuttle Catchment Name: Thames Primacy: 1	A7NE (SW)	659	5	548216 173768

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 11.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A7NE (SW)	659	5	548216 173768

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: London Borough of Bexley - Has supplied landfill data		0	2	548581 174350
26	**Potentially Infilled Land (Non-Water)** Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A12SE (W)	590	7	547969 174228
27	**Potentially Infilled Land (Non-Water)** Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A12NW (W)	972	7	547582 174428
28	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1951	A7NE (SW)	612	7	548042 173993
29	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1951	A7NW (SW)	759	7	547865 174008
30	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1951	A7NW (SW)	882	7	547861 173784
31	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1898	A7NW (SW)	903	7	547721 173975

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Thames Group	A13SE (N)	0	1	548581 174350
	BGS Estimated Soil Chemistry No data available				
32	**BGS Recorded Mineral Sites** Site Name: Blendon Hall Gravel Pit Location: Old Bexley, Bexley, Greater London Source: British Geological Survey, National Geoscience Information Service Reference: 130700 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Paleocene - Eocene Geology: Harwich Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A12SE (W)	577	1	547981 174239
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 548289, 174286 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 11.20 mg/kg Cadmium Measured Concentration: 0.50 mg/kg Chromium Measured Concentration: 52.50 mg/kg Lead Measured Concentration: 175.30 mg/kg Nickel Measured Concentration: 16.90 mg/kg	A13SW (W)	265	1	548289 174286
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 548782, 174126 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 10.90 mg/kg Cadmium Measured Concentration: 0.60 mg/kg Chromium Measured Concentration: 55.70 mg/kg Lead Measured Concentration: 112.40 mg/kg Nickel Measured Concentration: 19.60 mg/kg	A13SE (SE)	277	1	548782 174126
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 548758, 174767 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 9.30 mg/kg Cadmium Measured Concentration: 0.50 mg/kg Chromium Measured Concentration: 51.40 mg/kg Lead Measured Concentration: 156.30 mg/kg Nickel Measured Concentration: 15.90 mg/kg	A18SE (NE)	425	1	548758 174767

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 548244, 174758 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 14.30 mg/kg Cadmium Measured Concentration: 0.70 mg/kg Chromium Measured Concentration: 57.20 mg/kg Lead Measured Concentration: 468.60 mg/kg Nickel Measured Concentration: 21.70 mg/kg	A18SW (NW)	514	1	548244 174758
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 548825, 173777 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 10.80 mg/kg Cadmium Measured Concentration: 0.50 mg/kg Chromium Measured Concentration: 57.60 mg/kg Lead Measured Concentration: 121.20 mg/kg Nickel Measured Concentration: 20.00 mg/kg	A8NE (SE)	606	1	548825 173777
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 548275, 173752 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 10.50 mg/kg Cadmium Measured Concentration: 0.30 mg/kg Chromium Measured Concentration: 52.40 mg/kg Lead Measured Concentration: 62.50 mg/kg Nickel Measured Concentration: 11.70 mg/kg	A8NW (SW)	645	1	548275 173752
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 549339, 174266 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 9.90 mg/kg Cadmium Measured Concentration: 0.40 mg/kg Chromium Measured Concentration: 55.60 mg/kg Lead Measured Concentration: 94.50 mg/kg Nickel Measured Concentration: 17.10 mg/kg	A14SE (E)	732	1	549339 174266
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 547725, 174279 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 11.40 mg/kg Cadmium Measured Concentration: 0.70 mg/kg Chromium Measured Concentration: 42.00 mg/kg Lead Measured Concentration: 235.90 mg/kg Nickel Measured Concentration: 18.00 mg/kg	A12SW (W)	827	1	547725 174279

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 548672, 175254 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 11.90 mg/kg Cadmium Measured Concentration: 0.60 mg/kg Chromium Measured Concentration: 54.60 mg/kg Lead Measured Concentration: 496.40 mg/kg Nickel Measured Concentration: 17.40 mg/kg	A18NE (N)	882	1	548672 175254
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 548315, 175230 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 16.90 mg/kg Cadmium Measured Concentration: 0.50 mg/kg Chromium Measured Concentration: 54.50 mg/kg Lead Measured Concentration: 415.40 mg/kg Nickel Measured Concentration: 22.30 mg/kg	A18NW (N)	897	1	548315 175230
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 547769, 174784 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 11.00 mg/kg Cadmium Measured Concentration: 1.20 mg/kg Chromium Measured Concentration: 59.10 mg/kg Lead Measured Concentration: 225.00 mg/kg Nickel Measured Concentration: 17.60 mg/kg	A17SW (NW)	900	1	547769 174784
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 549245, 173680 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 11.10 mg/kg Cadmium Measured Concentration: 0.50 mg/kg Chromium Measured Concentration: 61.40 mg/kg Lead Measured Concentration: 51.00 mg/kg Nickel Measured Concentration: 24.00 mg/kg	A9SW (SE)	918	1	549245 173680
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 549310, 173644 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 11.80 mg/kg Cadmium Measured Concentration: 0.30 mg/kg Chromium Measured Concentration: 49.10 mg/kg Lead Measured Concentration: 393.70 mg/kg Nickel Measured Concentration: 16.80 mg/kg	A9SE (SE)	989	1	549310 173644

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Urban Soil Chemistry Averages Source: British Geological Survey, National Geoscience Information Service Sample Area: London Count Id: 7209 Arsenic Minimum Concentration: 1.00 mg/kg Arsenic Average Concentration: 17.00 mg/kg Arsenic Maximum Concentration: 161.00 mg/kg Cadmium Minimum Concentration: 0.10 mg/kg Cadmium Average Concentration: 0.90 mg/kg Cadmium Maximum Concentration: 165.20 mg/kg Chromium Minimum Concentration: 13.00 mg/kg Chromium Average Concentration: 79.00 mg/kg Chromium Maximum Concentration: 2094.00 mg/kg Lead Minimum Concentration: 11.00 mg/kg Lead Average Concentration: 280.00 mg/kg Lead Maximum Concentration: 10000.00 mg/kg Nickel Minimum Concentration: 2.00 mg/kg Nickel Average Concentration: 28.00 mg/kg Nickel Maximum Concentration: 506.00 mg/kg	A13SE (N)	0	1	548581 174350
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain Risk: Unlikely Source: British Geological Survey, National Geoscience Information Service	A13SE (N)	0	1	548581 174350
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	150	1	548661 174203
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (N)	0	1	548581 174350
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (N)	0	1	548581 174350
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (N)	0	1	548581 174350
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (N)	0	1	548581 174350
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (N)	0	1	548581 174350
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (N)	0	1	548581 174350
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	150	1	548661 174203
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SE (N)	0	1	548581 174350
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SE (N)	0	1	548581 174350

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	**Contemporary Trade Directory Entries** Name: Smart Cosmetics Location: 32, South View Close, Bexley, Kent, DA5 1EG Classification: Car Body Repairs **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	157	-	548649 174192
34	**Contemporary Trade Directory Entries** Name: D C S Electrical Contractors Location: 25, Iris Avenue, Bexley, Kent, DA5 1HH Classification: Electrical Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (W)	158	-	548408 174406
35	**Contemporary Trade Directory Entries** Name: Sabre Mechanical Handling Services Location: 124, Upton Road, Bexleyheath, Kent, DA6 8LX Classification: Fork Lift Trucks **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (N)	178	-	548614 174552
36	**Contemporary Trade Directory Entries** Name: Simmdata Location: 141, Upton Road, Bexleyheath, Kent, DA6 8LY Classification: Electronic Component Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (N)	286	-	548578 174662
37	**Contemporary Trade Directory Entries** Name: Taymill Location: 17, Arundel Close, Bexley, Kent, DA5 1QQ Classification: Air Conditioning & Refrigeration Contractors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (E)	295	-	548898 174414
38	**Contemporary Trade Directory Entries** Name: Nigel Smith Location: 35, Bridgen Road, Bexley, Kent, DA5 1JE Classification: Boilers - Servicing, Replacements & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	406	-	548360 173977
39	**Contemporary Trade Directory Entries** Name: N C Williams Ltd Location: 17, Arcadian Avenue, Bexley, Kent, DA5 1JN Classification: Ceramic Manufacturers, Supplies & Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (SW)	431	-	548164 174142
40	**Contemporary Trade Directory Entries** Name: Lion Impressions Location: 98, Lion Road, Bexleyheath, Kent, DA6 8PQ Classification: Hot Foil Stamping **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (N)	463	-	548527 174835
41	**Contemporary Trade Directory Entries** Name: The Staircase Company Location: 30, Shuttlemead, Bexley, Kent, DA5 1RH Classification: Staircase, Balustrade & Handrail Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	489	-	548803 173894
42	**Contemporary Trade Directory Entries** Name: Pace Offset Services Ltd Location: 108, Olron Crescent, Bexleyheath, Kent, DA6 8JZ Classification: Printing Engineering Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	512	-	548133 174633
43	**Contemporary Trade Directory Entries** Name: Cleaners In Bexleyheath Location: Flat 1, Bexleyheath, Kent, DA6 8NY Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A18SE (N)	562	-	548666 174933
44	**Contemporary Trade Directory Entries** Name: Carpet Bright Uk Location: Flat 2, Cromwell Lodge, 50, Upton Road, Bexleyheath, DA6 8LR Classification: Carpet, Curtain & Upholstery Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	670	-	548290 174975

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	**Contemporary Trade Directory Entries** Name: Rainbow International Location: 154, The Drive, Bexley, Kent, DA5 3BX Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	705	-	547990 173907
46	**Contemporary Trade Directory Entries** Name: Triple R Services Location: 2, Cuxton Close, Bexleyheath, Kent, DA6 8JN Classification: Waste Disposal Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	707	-	548076 174866
47	**Contemporary Trade Directory Entries** Name: Cleaning Services Bexley Location: 48, Parkhurst Road, Bexley, Kent, DA5 1AS Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	728	-	549189 173901
47	**Contemporary Trade Directory Entries** Name: Cleanering Services Location: 48, Parkhurst Road, Bexley, Kent, DA5 1AS Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	728	-	549189 173901
47	**Contemporary Trade Directory Entries** Name: Cleaning Services (Bexley) Location: 48, Parkhurst Road, Bexley, Kent, DA5 1AS Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	728	-	549189 173901
48	**Contemporary Trade Directory Entries** Name: B S B Gb Ltd Location: 28, Heathfield Road, Bexleyheath, DA6 8NP Classification: Car Paint & Lacquer Manufacturers & Suppliers **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NW (N)	737	-	548578 175113
48	**Contemporary Trade Directory Entries** Name: Cars Location: 28, Heathfield Road, Bexleyheath, Kent, DA6 8NP Classification: Car Paint & Lacquer Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NW (N)	737	-	548578 175113
49	**Contemporary Trade Directory Entries** Name: Mead Transport Uk Ltd Location: Flat 3, Stafford Court, 37, Parkhill Road, Bexley, DA5 1HX Classification: Road Haulage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	741	-	548966 173693
50	**Contemporary Trade Directory Entries** Name: City Polishers Location: 40, Townley Road, Bexleyheath, Kent, DA6 7HN Classification: French Polishing **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	745	-	549001 174998
51	**Contemporary Trade Directory Entries** Name: Bexley Body Repairs Location: 17-19, Heathfield Road, Bexleyheath, Kent, DA6 8NP Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	765	-	548626 175141
51	**Contemporary Trade Directory Entries** Name: Heathfield Coach Works Location: 17-19, Heathfield Road, Bexleyheath, Kent, DA6 8NP Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	765	-	548626 175141
51	**Contemporary Trade Directory Entries** Name: 24-7 Recovery Service Location: 17-19, Heathfield Road, Bexleyheath, Kent, DA6 8NP Classification: Car Breakdown & Recovery Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	765	-	548626 175141

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
51	**Contemporary Trade Directory Entries** Name: Bexley Heath Car Repair Centre Location: 17-19, Heathfield Road, Bexleyheath, Kent, DA6 8NP Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	765	-	548626 175141
51	**Contemporary Trade Directory Entries** Name: Bexleyheath Car Repair Centre Location: Rear of 17-19, Heathfield Road, Bexleyheath, DA6 8NP Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NE (N)	778	-	548624 175153
52	**Contemporary Trade Directory Entries** Name: Gary White Soft Furnishings Location: 49, Beechway, BEXLEY, Kent, DA5 3DQ Classification: Furniture - Repairing & Restoring **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SW (SW)	791	-	547821 174029
53	**Contemporary Trade Directory Entries** Name: Ccam Location: 30, Brook Lane, Bexley, Kent, DA5 1DW Classification: Cleaning Services - Commercial **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	800	-	547763 174481
54	**Contemporary Trade Directory Entries** Name: Bexleyheath Carpet Cleaners Location: 32, Lion Road, Bexleyheath, Kent, DA6 8NS Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NW (N)	829	-	548482 175198
54	**Contemporary Trade Directory Entries** Name: Harrison Page Ltd Location: 63, Lion Road, Bexleyheath, Kent, DA6 8NN Classification: Air Conditioning & Refrigeration Contractors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NW (N)	831	-	548510 175203
54	**Contemporary Trade Directory Entries** Name: Mitchem Cleaning Services Ltd Location: 61, Lion Road, Bexleyheath, Kent, DA6 8NW Classification: Cleaning Services - Commercial **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NW (N)	836	-	548510 175208
54	**Contemporary Trade Directory Entries** Name: Gray'S Contracts (Uk) Ltd Location: 28, Standard Road, Bexleyheath, Kent, DA6 8DP Classification: Electrical Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NW (N)	837	-	548463 175203
55	**Contemporary Trade Directory Entries** Name: Perfect Cleaning Bexley Location: 1, St. Thomas Court, Bexley, Kent, DA5 1AU Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	842	-	549234 173776
56	**Contemporary Trade Directory Entries** Name: Diamond Shutters Location: 31, Sandhurst Road, Bexley, Kent, DA5 1DD Classification: Blinds, Awnings & Canopies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	845	-	547740 174577
57	**Contemporary Trade Directory Entries** Name: Ironing Service Location: 99a, Blendon Road, Bexley, Kent, DA5 1BP Classification: Ironing & Home Laundry Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	854	-	547701 174240
58	**Contemporary Trade Directory Entries** Name: Newken Ltd Location: 32, Maiden Erlegh Avenue, Bexley, Kent, DA5 3PD Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	857	-	548463 173483

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
59	**Contemporary Trade Directory Entries** Name: Sanspeed Location: 1-17, Standard Road, Bexleyheath, Kent, DA6 8DP Classification: Mot Testing Centres **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NW (N)	876	-	548469 175244
59	**Contemporary Trade Directory Entries** Name: C P Autos Location: 20, Lion Road, Bexleyheath, DA6 8NR Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NW (N)	899	-	548483 175269
59	**Contemporary Trade Directory Entries** Name: C P Autos Location: 20, Lion Road, Bexleyheath, Kent, DA6 8NR Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NW (N)	900	-	548477 175269
59	**Contemporary Trade Directory Entries** Name: B M Sport Location: 10a, Lion Road, Bexleyheath, Kent, DA6 8NR Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NW (N)	923	-	548459 175289
60	**Contemporary Trade Directory Entries** Name: Upton Carpet Cleaners Location: 25, Standard Road, Bexleyheath, Kent, DA6 8DP Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NW (N)	878	-	548424 175239
61	**Contemporary Trade Directory Entries** Name: J C Garage Location: 181-185, Broadway, Bexleyheath, Kent, DA6 7ER Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	884	-	548810 175233
62	**Contemporary Trade Directory Entries** Name: Invicta Pest Control Ltd Location: 118, Murchison Avenue, Bexley, DA5 3LL Classification: Pest & Vermin Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	893	-	548136 173545
63	**Contemporary Trade Directory Entries** Name: Steem Location: 171, Broadway, Bexleyheath, Kent, DA6 7ES Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	937	-	548829 175283
63	**Contemporary Trade Directory Entries** Name: Acme 2000 Location: 173, Broadway, Bexleyheath, Kent, DA6 7ES Classification: T-Shirts **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	939	-	548825 175285
63	**Contemporary Trade Directory Entries** Name: Dnf Car Care Location: Unit 4,174 Broadway, Bexleyheath, Kent, DA6 7BT Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A18NE (N)	975	-	548812 175326
63	**Contemporary Trade Directory Entries** Name: Bexleyheath Car Body Repairs Location: 174, Broadway, Bexleyheath, Kent, DA6 7BT Classification: Car Body Repairs **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NE (N)	976	-	548812 175327
63	**Contemporary Trade Directory Entries** Name: The Mini Centre Location: 174, Broadway, Bexleyheath, DA6 7BT Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NE (N)	976	-	548812 175327

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	**Contemporary Trade Directory Entries** Name: Lee Clutch & Gearbox Centre Location: 174, Broadway, Bexleyheath, Kent, DA6 7BT Classification: Brake & Clutch Service Centres **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	976	-	548812 175327
63	**Contemporary Trade Directory Entries** Name: Bexleyheath M O T Centre Location: 174, Broadway, Bexleyheath, Kent, DA6 7BT Classification: Mot Testing Centres **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NE (N)	976	-	548812 175327
63	**Contemporary Trade Directory Entries** Name: Tickover Capri Location: 174, Broadway, Bexleyheath, Kent, DA6 7BT Classification: Car Breakers & Dismantlers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	976	-	548812 175327
64	**Contemporary Trade Directory Entries** Name: Sparkles Cleaning Location: 29, Latham Road, Bexleyheath, Kent, DA6 7NW Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	942	-	549446 174780
65	**Contemporary Trade Directory Entries** Name: Bexley Village Motor Co Location: 45, Hartford Road, Bexley, Kent, DA5 1NG Classification: Car Dealers - Used **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	943	-	549511 174061
65	**Contemporary Trade Directory Entries** Name: Wired Communications Location: 37, Hartford Road, Bexley, Kent, DA5 1NG Classification: Telecommunications Equipment & Systems **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	961	-	549526 174050
66	**Contemporary Trade Directory Entries** Name: Radio Workshop 2000 Location: 153a, Broadway, Bexleyheath, Kent, DA6 7EZ Classification: Radio Communication Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	944	-	548896 175269
66	**Contemporary Trade Directory Entries** Name: Bang & Olufsen Of Bexleyheath Location: 155, Broadway, Bexleyheath, Kent, DA6 7EZ Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	947	-	548891 175274
66	**Contemporary Trade Directory Entries** Name: Magnet Location: 139, Broadway, Bexleyheath, DA6 7EZ Classification: Kitchen Furniture Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A19NW (N)	955	-	548930 175269
66	**Contemporary Trade Directory Entries** Name: Snappy Snaps Location: 172b, Broadway, Bexleyheath, Kent, DA6 7BN Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	985	-	548897 175312
67	**Contemporary Trade Directory Entries** Name: Sidcup Fascia & Soffits Ltd Location: 239a, Broadway, Bexleyheath, Kent, DA6 8DB Classification: Fascias and Soffits **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	944	-	548651 175318
67	**Contemporary Trade Directory Entries** Name: Smd Print Centre Location: 218, Broadway, Bexleyheath, Kent, DA6 7AU Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	985	-	548667 175358

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
68	**Contemporary Trade Directory Entries** Name: A - Z Waste Recyclers & Asbestos Removal Location: Recycling House, Bexley, Kent, DA5 1NT Classification: Waste Disposal Services **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A9NE (E)	952	-	549503 174010
68	**Contemporary Trade Directory Entries** Name: A To Z Waste Recyclers Location: 81, Albert Road, Bexley, Kent, DA5 1NT Classification: Scrap Metal Merchants **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (E)	958	-	549505 173998
68	**Contemporary Trade Directory Entries** Name: French Polishers Location: 81, Albert Road, Bexley, Kent, DA5 1NT Classification: French Polishing **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (E)	958	-	549505 173998
69	**Contemporary Trade Directory Entries** Name: Angels Maintenance Services Ltd Location: 249, Broadway, Bexleyheath, DA6 8DB Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	954	-	548625 175330
70	**Contemporary Trade Directory Entries** Name: Sovereign Cleaning Co Location: 10, The Sanctuary, Bexley, Kent, DA5 3DL Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	955	-	547627 174087
71	**Contemporary Trade Directory Entries** Name: Keytek Location: Broadway, Bexleyheath, Kent, DA6 7UL Classification: Lock Suppliers and Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A18NE (N)	960	-	548736 175325
71	**Contemporary Trade Directory Entries** Name: Just Right Cleans Location: Broadway House,Trinity Place, Bexleyheath, Kent, DA6 7BG Classification: Commercial Cleaning Services **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A18NE (N)	991	-	548717 175359
72	**Contemporary Trade Directory Entries** Name: Parkinson J & J Location: Lion Road, Bexleyheath, Kent, DA6 8NR Classification: Domestic Appliances - Servicing, Repairs & Parts **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NW (N)	963	-	548481 175333
72	**Contemporary Trade Directory Entries** Name: Anglo International Resources Location: 283, Broadway, Bexleyheath, Kent, DA6 8DG Classification: Oil & Gas Extraction **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NW (N)	996	-	548450 175363
72	**Contemporary Trade Directory Entries** Name: G K Furnishings Ltd Location: 285, Broadway, Bexleyheath, DA6 8DG Classification: Furniture - Repairing & Restoring **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NW (N)	996	-	548444 175361
72	**Contemporary Trade Directory Entries** Name: Bexleyheath Metals Ltd Location: Unit A Lion Road, Broadway, Bexleyheath, Kent, DA6 8DG Classification: Scrap Metal Merchants **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A18NW (N)	996	-	548444 175361
73	**Contemporary Trade Directory Entries** Name: The Perfume Shop Location: 29, The Mall, Broadway Shopping Centre, Bexleyheath, Kent, DA6 7JJ Classification: Perfume Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19NW (NE)	966	-	549151 175163

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
73	**Contemporary Trade Directory Entries** Name: W H Smith Plc Location: 89, Broadway, Bexleyheath, Kent, DA6 7JN Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19NW (NE)	997	-	549150 175201
74	**Contemporary Trade Directory Entries** Name: J.A. Recovery Location: 71, Murchison Avenue, Bexley, Kent, DA5 3LW Classification: Breakdown and Recovery **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	986	-	548066 173476
75	**Contemporary Trade Directory Entries** Name: Headcorn Service Station Location: 127, Danson Road, Bexley, DA5 1DG Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	999	-	547577 174562
76	**Points of Interest - Commercial Services** Name: M G Roberts (London) Transport Location: 75 Arbuthnot Lane, Bexley, DA5 1HD Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13NE (N)	32	6	548587 174408
77	**Points of Interest - Commercial Services** Name: Dial A Tune Location: 10 Meadow Close, Bexleyheath, DA6 7HB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (NE)	444	6	548838 174745
77	**Points of Interest - Commercial Services** Name: M C Auto Location: 10 Meadow Close, Bexleyheath, DA6 7HB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (NE)	444	6	548838 174745
78	**Points of Interest - Commercial Services** Name: Langford Haulage Services Ltd Location: 4 Elmwood Drive, Bexley, DA5 3PS Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A12SE (SW)	528	6	548127 174019
79	**Points of Interest - Commercial Services** Name: Plumstead Garages Location: 110 Parkhill Road, Bexley, DA5 1JA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (S)	528	6	548760 173837
80	**Points of Interest - Commercial Services** Name: Willys Supreme Shine Location: 7 Penn Lane, Bexley, DA5 1HB Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A12NE (W)	600	6	547966 174476
81	**Points of Interest - Commercial Services** Name: Country Gifts Location: 62 Lion Road, Bexleyheath, DA6 8PF Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A18SW (N)	662	6	548497 175031
82	**Points of Interest - Commercial Services** Name: Weekly Any Scrap Location: 2 Cuxton Close, Bexleyheath, DA6 8JN Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A17SE (NW)	707	6	548076 174866
83	**Points of Interest - Commercial Services** Name: Mead Transport UK Ltd Location: Flat 3 Stafford Court 37, Parkhill Road, Bexley, DA5 1HX Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A9NW (SE)	741	6	548966 173693

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
84	**Points of Interest - Commercial Services** Name: Bexley Heath Car Repair Centre Location: 17-19 Heathfield Road, Bexleyheath, DA6 8NP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	765	6	548626 175141
84	**Points of Interest - Commercial Services** Name: Bexleyheath Car Repair Centre Location: Rear of 17-19, Heathfield Road, Bexleyheath, DA6 8NP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	778	6	548624 175153
85	**Points of Interest - Commercial Services** Name: J Russell & Sons Location: 25 Cuxton Close, Bexleyheath, DA6 8JN Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A17SE (NW)	792	6	548055 174962
86	**Points of Interest - Commercial Services** Name: D F Windscreen Location: 147 Dorchester Avenue, Bexley, DA5 3AN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	821	6	548041 173692
87	**Points of Interest - Commercial Services** Name: Sanspeed Location: 1-17 Standard Road, Bexleyheath, DA6 8DP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	864	6	548480 175233
87	**Points of Interest - Commercial Services** Name: Sanspeed Location: 1-17 Standard Road, Bexleyheath, DA6 8DP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	865	6	548480 175234
87	**Points of Interest - Commercial Services** Name: Sanspeed Crypton Engine Tuning Bexleyheath Location: 1-17 Standard Road, Bexleyheath, DA6 8DP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	865	6	548480 175234
87	**Points of Interest - Commercial Services** Name: Sanspeed Location: 1-17 Standard Road, Bexleyheath, DA6 8DP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	876	6	548469 175244
87	**Points of Interest - Commercial Services** Name: C P Autos Location: 20 Lion Road, Bexleyheath, DA6 8NR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	900	6	548477 175269
87	**Points of Interest - Commercial Services** Name: C P Autos Location: 20 Lion Road, Bexleyheath, DA6 8NR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	900	6	548477 175269
87	**Points of Interest - Commercial Services** Name: C P Autos Location: 20 Lion Road, Bexleyheath, DA6 8NR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	900	6	548477 175269
87	**Points of Interest - Commercial Services** Name: B M Sport Location: 10a Lion Road, Bexleyheath, DA6 8NR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	922	6	548458 175289

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
87	**Points of Interest - Commercial Services** Name: Bexley B M Sport Location: 10a Lion Road, Bexleyheath, DA6 8NR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	923	6	548459 175289
88	**Points of Interest - Commercial Services** Name: J C Garage Location: 181-185 Broadway, Bexleyheath, DA6 7ER Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	884	6	548810 175233
89	**Points of Interest - Commercial Services** Name: Cray Transport Services Ltd Location: 5 Wellington Road, Bexley, DA5 1DH Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A12NW (W)	893	6	547683 174555
90	**Points of Interest - Commercial Services** Name: Invicta Pest Control Ltd Location: 118 Murchison Avenue, Bexley, DA5 3LL Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A7SE (SW)	893	6	548136 173545
91	**Points of Interest - Commercial Services** Name: Bexleyheath Car Body Repairs Location: 174 Broadway, Bexleyheath, DA6 7BT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	975	6	548811 175326
91	**Points of Interest - Commercial Services** Name: Dnf Car Care Location: Unit 4, 174 Broadway, Bexleyheath, Kent, DA6 7BT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	975	6	548812 175326
91	**Points of Interest - Commercial Services** Name: Dnf Car Care Location: Unit 4, 174 Broadway, Bexleyheath, Kent, DA6 7BT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	975	6	548812 175326
91	**Points of Interest - Commercial Services** Name: The Mini Centre Location: 174 Broadway, Bexleyheath, DA6 7BT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	976	6	548812 175327
91	**Points of Interest - Commercial Services** Name: The Mini Centre Location: 174 Broadway, Bexleyheath, DA6 7BT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	976	6	548812 175327
91	**Points of Interest - Commercial Services** Name: Lee Clutch Centre Location: 174 Broadway, Bexleyheath, DA6 7BT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	976	6	548812 175327
91	**Points of Interest - Commercial Services** Name: Bexleyheath M O T Centre Location: 174 Broadway, Bexleyheath, DA6 7BT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	976	6	548812 175327
91	**Points of Interest - Commercial Services** Name: Bexleyheath Clutch & Gearbox Centre Location: 174 Broadway, Bexleyheath, DA6 7BT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	976	6	548812 175327

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
91	**Points of Interest - Commercial Services** Name: Bexley Body Works Location: 174 Broadway, Bexleyheath, DA6 7BT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	976	6	548812 175327
91	**Points of Interest - Commercial Services** Name: Tick Over Location: 176 Broadway, Bexleyheath, DA6 7BT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	977	6	548802 175330
92	**Points of Interest - Commercial Services** Name: South East Electric Vehicle Services Ltd Location: 125 Danson Road, Bexley, DA5 1DG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12NW (W)	996	6	547582 174574
93	**Points of Interest - Commercial Services** Name: Ben's Autos Location: 498 Hurst Road, Bexley, DA5 3JS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9SW (SE)	999	6	549235 173563
94	**Points of Interest - Manufacturing and Production** Name: Tank Location: DA6 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12NE (NW)	465	6	548179 174616
95	**Points of Interest - Manufacturing and Production** Name: Pussy Galore Location: 93 Upton Road, Bexleyheath, DA6 8LN Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A18SW (NW)	611	6	548337 174932
96	**Points of Interest - Manufacturing and Production** Name: Works Location: DA6 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	902	6	548612 175278
96	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	903	6	548612 175279
97	**Points of Interest - Public Infrastructure** Name: Weir Location: DA5 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	347	6	548667 174002
98	**Points of Interest - Public Infrastructure** Name: Workplace Fire & Safety Ltd Location: 1 Oaklands Close, Bexleyheath, DA6 7AP Category: Central and Local Government Class Code: Fire Brigade Stations Positional Accuracy: Positioned to address or location	A18SE (NE)	581	6	548882 174879
99	**Points of Interest - Public Infrastructure** Name: Triple R Services Location: 2 Cuxton Close, Bexleyheath, DA6 8JN Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A17SE (NW)	707	6	548076 174866
100	**Points of Interest - Public Infrastructure** Name: Graveyard Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	806	6	548669 175178

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
100	**Points of Interest - Public Infrastructure** Name: Grave Yard Location: DA6 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	806	6	548669 175178
101	**Points of Interest - Public Infrastructure** Name: Charlies Rubbish Clearance Location: 171a Broadway, Bexleyheath, DA6 7ES Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A18NE (N)	937	6	548829 175283
102	**Points of Interest - Public Infrastructure** Name: A to Z Waste Recyclers Location: 81 Albert Road, Bexley, DA5 1NT Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A9NE (E)	958	6	549505 173998
103	**Points of Interest - Public Infrastructure** Name: Headcorn Service Station Location: 127 Danson Road, Bexley, DA5 1DG Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12NW (W)	999	6	547577 174562
104	**Points of Interest - Recreational and Environmental** Name: Playground Location: Parkhill Road, DA5 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A9SW (SE)	884	6	549132 173629
105	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	953	6	547834 173706
105	**Points of Interest - Recreational and Environmental** Name: Playground Location: Nr Montpelier Avenue, DA5 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	953	6	547834 173706
106	**Underground Electrical Cables** Unique Feature Identifier: 265049 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A13NW (N)	297	7	548536 174668
107	**Underground Electrical Cables** Unique Feature Identifier: 265080 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A13NW (N)	297	7	548536 174668
108	**Underground Electrical Cables** Unique Feature Identifier: 265081 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A18SE (N)	355	7	548661 174724
109	**Underground Electrical Cables** Unique Feature Identifier: 265050 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A18SE (N)	355	7	548661 174724

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
110	**Underground Electrical Cables** Unique Feature Identifier: 265051 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A14NW (E)	395	7	548990 174455
111	**Underground Electrical Cables** Unique Feature Identifier: 265082 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A14NW (E)	396	7	548991 174455
112	**Underground Electrical Cables** Unique Feature Identifier: 265048 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A18SW (NW)	525	7	548295 174811
113	**Underground Electrical Cables** Unique Feature Identifier: 265079 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A18SW (NW)	526	7	548295 174811
114	**Underground Electrical Cables** Unique Feature Identifier: 266491 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A14SW (E)	543	7	549154 174343
115	**Underground Electrical Cables** Unique Feature Identifier: 264357 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A14SW (E)	543	7	549154 174343
116	**Underground Electrical Cables** Unique Feature Identifier: 265047 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A12NW (NW)	750	7	547884 174682
117	**Underground Electrical Cables** Unique Feature Identifier: 265078 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A12NW (NW)	750	7	547884 174682
118	**Underground Electrical Cables** Unique Feature Identifier: 264368 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A14NE (E)	812	7	549423 174362
119	**Underground Electrical Cables** Unique Feature Identifier: 265052 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A14NE (E)	812	7	549423 174362

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
120	**Ancient Woodland** Name: Bexley Woods Reference: 1495694 Area(m²): 112506.58 Type: Ancient and Semi-Natural Woodland	A8NW (S)	486	8	548427 173864

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
London Borough of Greenwich - Environmental Health Department	April 2014	Annual Rolling Update
London Borough of Bexley - Environmental Health Department	January 2015	Annual Rolling Update
London Borough of Barking And Dagenham - Health and Consumer Services	July 2014	Annual Rolling Update
Dartford Borough Council - Environmental Health Department	October 2014	Annual Rolling Update
London Borough of Havering - Environmental Health Department	October 2017	Annual Rolling Update
Sevenoaks District Council - Environmental Health Department	September 2013	Annual Rolling Update
London Borough of Bromley - Environmental Health Department	September 2014	Annual Rolling Update
Discharge Consents		
Environment Agency - Southern Region	October 2018	Quarterly
Environment Agency - Thames Region	October 2018	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - Southern Region	March 2013	Annual Rolling Update
Environment Agency - Thames Region	March 2013	Annual Rolling Update
Integrated Pollution Controls		
Environment Agency - Southern Region	October 2008	Variable
Environment Agency - Thames Region	October 2008	Variable
Integrated Pollution Prevention And Control		
Environment Agency - South East Region - Kent & South London Area	October 2018	Quarterly
Environment Agency - South East Region - North East Thames Area	October 2018	Quarterly
Environment Agency - Southern Region	October 2018	Quarterly
Environment Agency - Thames Region	October 2018	Quarterly
Local Authority Integrated Pollution Prevention And Control		
London Borough of Havering - Environmental Health Department	April 2015	Variable
London Borough of Bromley - Environmental Health Department	July 2015	Variable
London Borough of Greenwich - Environmental Health Department	June 2014	Variable
London Borough of Bexley - Environmental Health Department	March 2015	Variable
London Borough of Barking And Dagenham - Environmental Health Department	May 2016	Variable
London Port Health Authority - Environmental Services	October 2014	Variable
Dartford Borough Council - Environmental Health Department	September 2014	Variable
Sevenoaks District Council - Environmental Health Department	September 2014	Variable
Local Authority Pollution Prevention and Controls		
London Borough of Havering - Environmental Health Department	April 2015	Annual Rolling Update
London Borough of Bromley - Environmental Health Department	July 2015	Annual Rolling Update
London Borough of Greenwich - Environmental Health Department	June 2014	Annual Rolling Update
London Borough of Bexley - Environmental Health Department	March 2015	Annual Rolling Update
London Borough of Barking And Dagenham - Environmental Health Department	May 2016	Annual Rolling Update
London Port Health Authority - Environmental Services	October 2014	Annual Rolling Update
Dartford Borough Council - Environmental Health Department	September 2014	Annual Rolling Update
Sevenoaks District Council - Environmental Health Department	September 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
London Borough of Havering - Environmental Health Department	April 2015	Variable
London Borough of Bromley - Environmental Health Department	July 2015	Variable
London Borough of Greenwich - Environmental Health Department	June 2014	Variable
London Borough of Bexley - Environmental Health Department	March 2015	Variable
London Borough of Barking And Dagenham - Environmental Health Department	May 2016	Variable
London Port Health Authority - Environmental Services	October 2014	Variable
Dartford Borough Council - Environmental Health Department	September 2014	Variable
Sevenoaks District Council - Environmental Health Department	September 2014	Variable
Nearest Surface Water Feature		
Ordnance Survey	September 2017	
Pollution Incidents to Controlled Waters		
Environment Agency - Southern Region	December 1999	Not Applicable
Environment Agency - Thames Region	September 1999	Not Applicable

Agency & Hydrological	Version	Update Cycle
Prosecutions Relating to Authorised Processes		
Environment Agency - Southern Region	March 2013	Annual Rolling Update
Environment Agency - Thames Region	March 2013	Annual Rolling Update
Prosecutions Relating to Controlled Waters		
Environment Agency - Southern Region	March 2013	Annual Rolling Update
Environment Agency - Thames Region	March 2013	Annual Rolling Update
Registered Radioactive Substances		
Environment Agency - Southern Region	January 2015	
Environment Agency - Thames Region	January 2015	
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points		
Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register		
Environment Agency - South East Region - Kent & South London Area	October 2018	Quarterly
Environment Agency - South East Region - North East Thames Area	October 2018	Quarterly
Environment Agency - Southern Region - Kent Area	October 2018	Quarterly
Environment Agency - Southern Region - Kent and East Sussex	October 2018	Quarterly
Environment Agency - Thames Region - North East Area	October 2018	Quarterly
Environment Agency - Thames Region - South East Area	October 2018	Quarterly
Water Abstractions		
Environment Agency - Southern Region	October 2018	Quarterly
Environment Agency - Thames Region	October 2018	Quarterly
Water Industry Act Referrals		
Environment Agency - Southern Region	October 2017	Quarterly
Environment Agency - Thames Region	October 2017	Quarterly
Groundwater Vulnerability		
Environment Agency - Head Office	April 2015	Not Applicable
Drift Deposits		
Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations		
Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations		
Environment Agency - Head Office	January 2018	Annually
Source Protection Zones		
Environment Agency - Head Office	January 2018	Quarterly
Extreme Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	August 2018	Quarterly
Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	August 2018	Quarterly
Areas Benefiting from Flood Defences		
Environment Agency - Head Office	August 2018	Quarterly
Flood Water Storage Areas		
Environment Agency - Head Office	August 2018	Quarterly
Flood Defences		
Environment Agency - Head Office	August 2018	Quarterly
OS Water Network Lines		
Ordnance Survey	October 2018	Quarterly
Surface Water 1 in 30 year Flood Extent		
Environment Agency - Head Office	October 2013	Annually

Agency & Hydrological	Version	Update Cycle
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water Suitability Environment Agency - Head Office	October 2013	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites		
Environment Agency - Head Office	July 2018	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - Southern Region	October 2008	Not Applicable
Environment Agency - Thames Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - South East Region - Kent & South London Area	July 2018	Quarterly
Environment Agency - South East Region - North East Thames Area	July 2018	Quarterly
Environment Agency - Southern Region - Kent Area	July 2018	Quarterly
Environment Agency - Southern Region - Kent and East Sussex	July 2018	Quarterly
Environment Agency - Thames Region - North East Area	July 2018	Quarterly
Environment Agency - Thames Region - South East Area	July 2018	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - South East Region - Kent & South London Area	October 2018	Quarterly
Environment Agency - South East Region - North East Thames Area	October 2018	Quarterly
Environment Agency - Southern Region - Kent Area	October 2018	Quarterly
Environment Agency - Southern Region - Kent and East Sussex	October 2018	Quarterly
Environment Agency - Thames Region - North East Area	October 2018	Quarterly
Environment Agency - Thames Region - South East Area	October 2018	Quarterly
Local Authority Landfill Coverage		
Dartford Borough Council - Environmental Health Department	May 2000	Not Applicable
Kent County Council - Waste Management Group	May 2000	Not Applicable
London Borough of Barking And Dagenham - Environmental Health Department	May 2000	Not Applicable
London Borough of Bexley - Environmental Health Department	May 2000	Not Applicable
London Borough of Bromley - Environmental Health Department	May 2000	Not Applicable
London Borough of Greenwich - Environmental Health Department	May 2000	Not Applicable
London Borough of Havering - Environmental Health Department	May 2000	Not Applicable
Sevenoaks District Council	May 2000	Not Applicable
Local Authority Recorded Landfill Sites		
London Borough of Bromley - Environmental Health Department	June 2003	Not Applicable
Dartford Borough Council - Environmental Health Department	May 2000	Not Applicable
Kent County Council - Waste Management Group	May 2000	Not Applicable
London Borough of Barking And Dagenham - Environmental Health Department	May 2000	Not Applicable
London Borough of Bexley - Environmental Health Department	May 2000	Not Applicable
London Borough of Greenwich - Environmental Health Department	May 2000	Not Applicable
London Borough of Havering - Environmental Health Department	May 2000	Not Applicable
Sevenoaks District Council	May 2000	Not Applicable
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites		
Environment Agency - Southern Region - Kent Area	March 2003	Not Applicable
Environment Agency - Southern Region - Kent and East Sussex	March 2003	Not Applicable
Environment Agency - Thames Region - North East Area	March 2003	Not Applicable
Environment Agency - Thames Region - South East Area	March 2003	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - Southern Region - Kent Area	March 2003	Not Applicable
Environment Agency - Southern Region - Kent and East Sussex	March 2003	Not Applicable
Environment Agency - Thames Region - North East Area	March 2003	Not Applicable
Environment Agency - Thames Region - South East Area	March 2003	Not Applicable

Waste	Version	Update Cycle
Registered Waste Treatment or Disposal Sites		
Environment Agency - Thames Region - North East Area	June 2015	Not Applicable
Environment Agency - Southern Region - Kent Area	March 2003	Not Applicable
Environment Agency - Southern Region - Kent and East Sussex	March 2003	Not Applicable
Environment Agency - Thames Region - South East Area	March 2003	Not Applicable
Hazardous Substances	**Version**	**Update Cycle**
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites		
Health and Safety Executive	March 2017	Variable
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements		
London Borough of Barking And Dagenham	February 2016	Variable
London Borough of Bromley	February 2016	Variable
London Borough of Greenwich - Planning Department	February 2016	Variable
London Borough of Havering - Planning Department	February 2016	Variable
Sevenoaks District Council	February 2016	Variable
London Port Health Authority - Environmental Services	January 2008	Annual Rolling Update
Dartford Borough Council	January 2016	Variable
Kent County Council	January 2016	Variable
London Borough of Bexley - Development Control	January 2016	Variable
Planning Hazardous Substance Consents		
London Borough of Barking And Dagenham	February 2016	Variable
London Borough of Bromley	February 2016	Variable
London Borough of Greenwich - Planning Department	February 2016	Variable
London Borough of Havering - Planning Department	February 2016	Variable
Sevenoaks District Council	February 2016	Variable
London Port Health Authority - Environmental Services	January 2008	Annual Rolling Update
Dartford Borough Council	January 2016	Variable
Kent County Council	January 2016	Variable
London Borough of Bexley - Development Control	January 2016	Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	Annually
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2018	Bi-Annually
BGS Urban Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	Annually
BGS Urban Soil Chemistry Averages British Geological Survey - National Geoscience Information Service	October 2015	Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually

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

Sensitive Land Use	Version	Update Cycle
Ancient Woodland		
Natural England	August 2018	Bi-Annually
Areas of Adopted Green Belt		
Dartford Borough Council	August 2018	As notified
London Borough of Barking And Dagenham	August 2018	As notified
London Borough of Bexley - Development Control	August 2018	As notified
London Borough of Bromley	August 2018	As notified
London Borough of Greenwich	August 2018	As notified
London Borough of Havering - Planning Department	August 2018	As notified
Sevenoaks District Council	August 2018	As notified
Areas of Unadopted Green Belt		
Dartford Borough Council	August 2018	As notified
London Borough of Barking And Dagenham	August 2018	As notified
London Borough of Bexley - Development Control	August 2018	As notified
London Borough of Bromley	August 2018	As notified
London Borough of Greenwich	August 2018	As notified
London Borough of Havering - Planning Department	August 2018	As notified
Sevenoaks District Council	August 2018	As notified
Areas of Outstanding Natural Beauty		
Natural England	August 2018	Bi-Annually
Environmentally Sensitive Areas		
Natural England	January 2017	
Forest Parks		
Forestry Commission	April 1997	Not Applicable
Local Nature Reserves		
Natural England	August 2018	Bi-Annually
Marine Nature Reserves		
Natural England	January 2018	Bi-Annually
National Nature Reserves		
Natural England	August 2018	Bi-Annually
National Parks		
Natural England	April 2017	Bi-Annually
Nitrate Vulnerable Zones		
Environment Agency - Head Office	December 2017	Bi-Annually
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	
Ramsar Sites		
Natural England	August 2018	Bi-Annually
Sites of Special Scientific Interest		
Natural England	October 2018	Bi-Annually
Special Areas of Conservation		
Natural England	August 2018	Bi-Annually
Special Protection Areas		
Natural England	August 2018	Bi-Annually

Data Suppliers

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	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**London Borough of Bexley - Environmental Health Department** 2a Hadlow Road, Sidcup, Kent, DA14 4AF	Telephone: 020 8303 7777 Fax: 020 8308 4897 Website: www.bexley.gov.uk
3	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
4	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	**Ordnance Survey** Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	**PointX** 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
7	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9966 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk
8	**Natural England** County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
9	**London Borough of Bexley - Development Control** Winsham House, 207 Longlands Road, Sidcup, Kent, DA15 7JH	Telephone: 020 8303 7777 Fax: 020 8308 4897 Website: www.bexley.gov.uk
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

548400 548600 548800

174600 174400 174200

Bexleyheath Golf Course

Playing Field

Upton Primary School

Townley Grammar School for Girls

ABBEY ROAD

UPTON ROAD

TOWNLEY ROAD

EAST ROCHESTER WAY

ARBUTHNOT LANE

BARDNEY DRIVE

CRESSWELL CLOSE

HILLSIDE CLOSE

SMYTH CLOSE

MEADOWVIEW ROAD

BROOKHILL ROAD

BEVERLEY ROAD

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General

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

Agency and Hydrological

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

Hazardous Substances

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

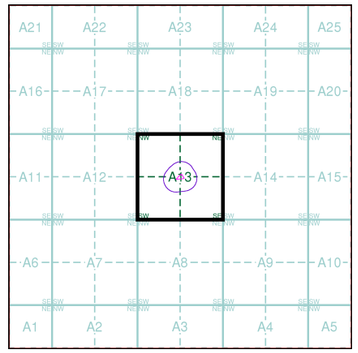
Geological

- BGS Recorded Mineral Site

Waste

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

Site Sensitivity Map - Segment A13



Order Details

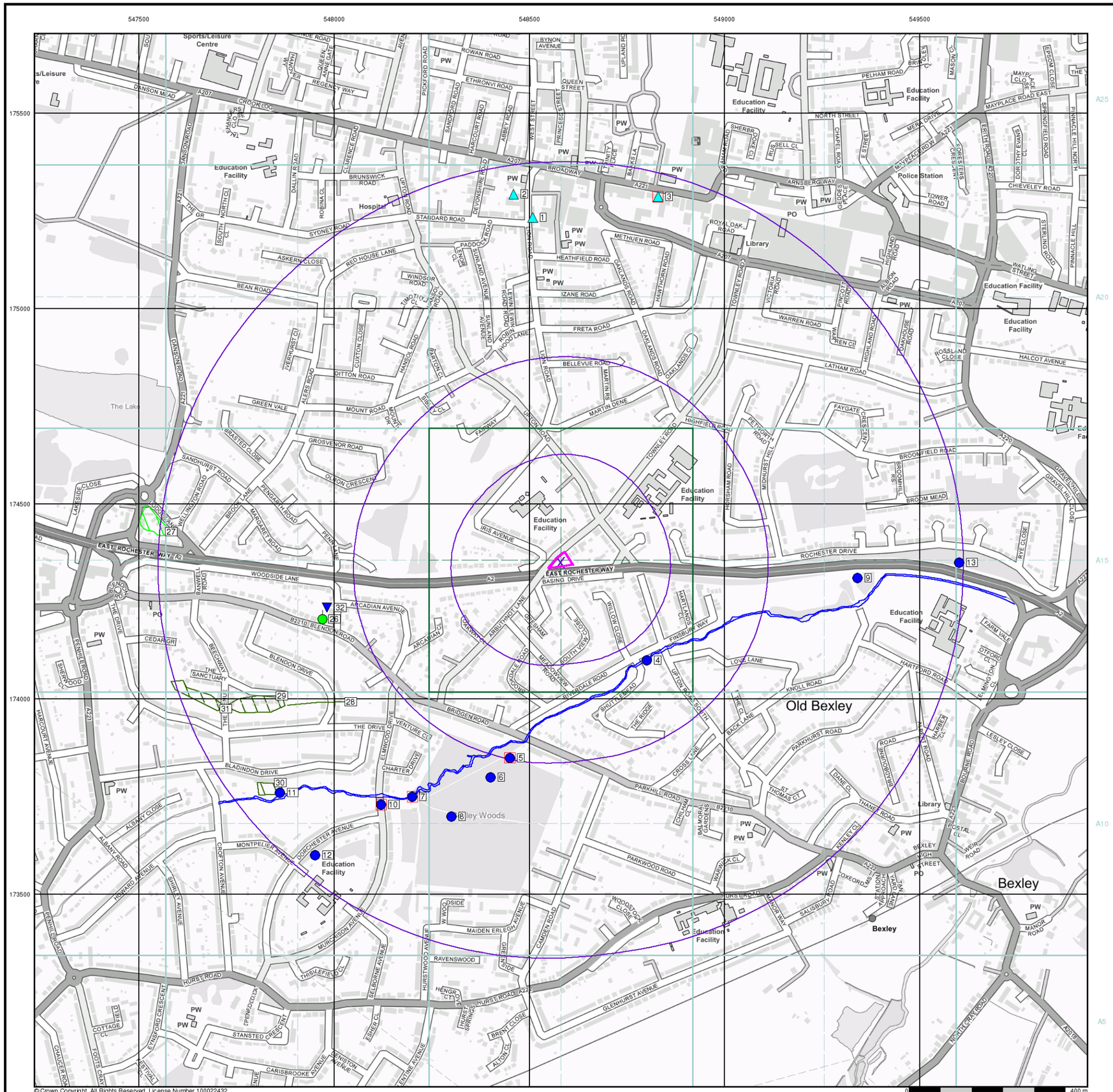
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Plot Buffer (m):	100

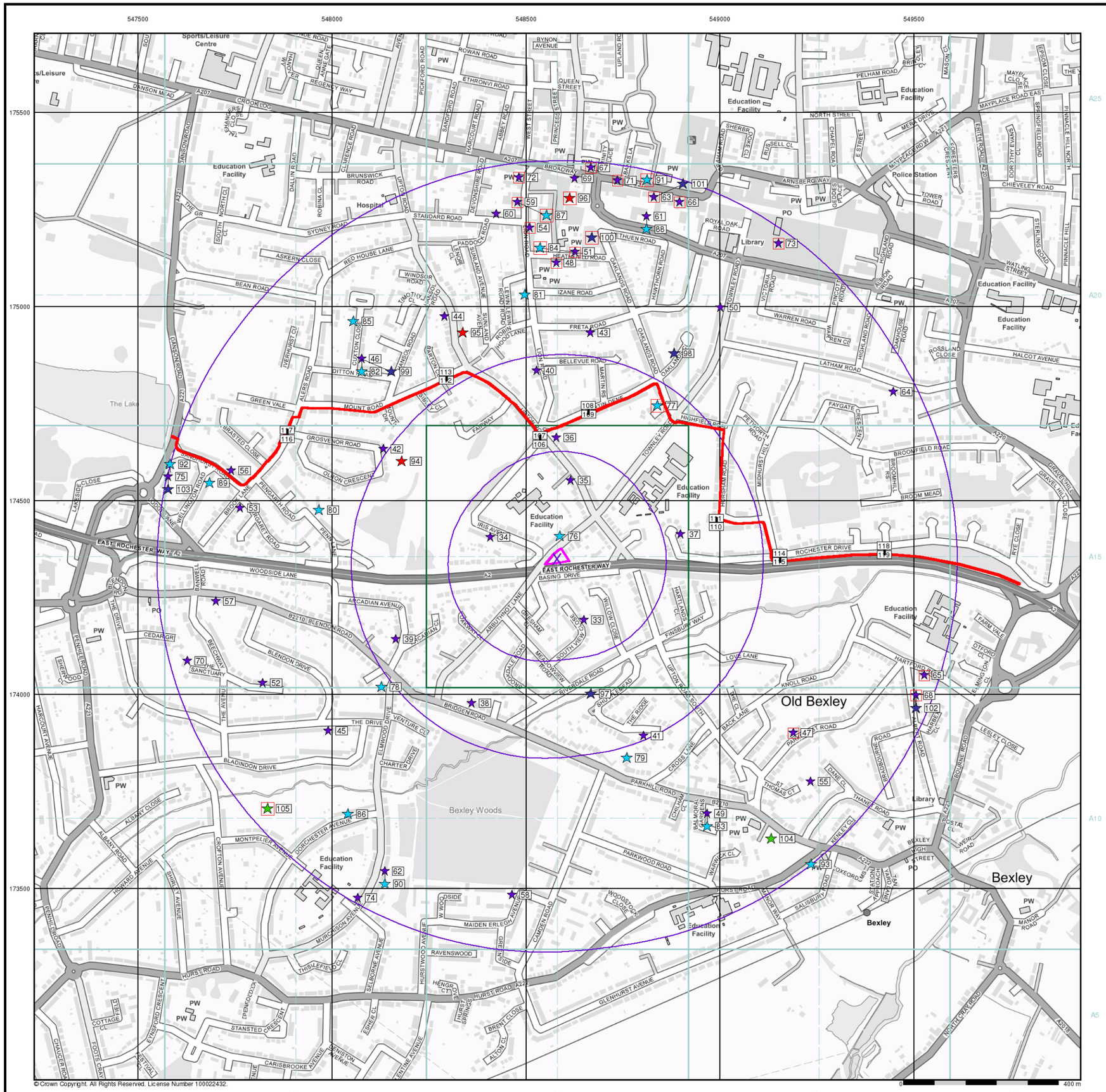
Site Details

71, Arbuthnot Lane, BEXLEY, DA5 1HD

Landmark INFORMATION GROUP

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


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Sports/Leisure Centre
Education Facility
Hospital
Police Station
Library
PO
Old Bexley
Bexley
The Lake
Woods
Education Facility
Education Facility
Education Facility



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Industrial Land Use Map

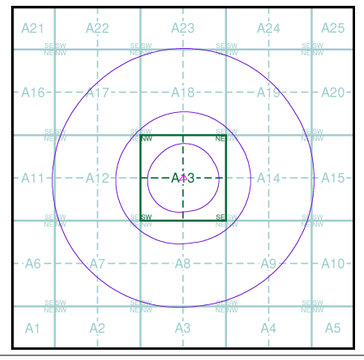
General

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

Industrial Land Use

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

Industrial Land Use Map - Slice A



Order Details

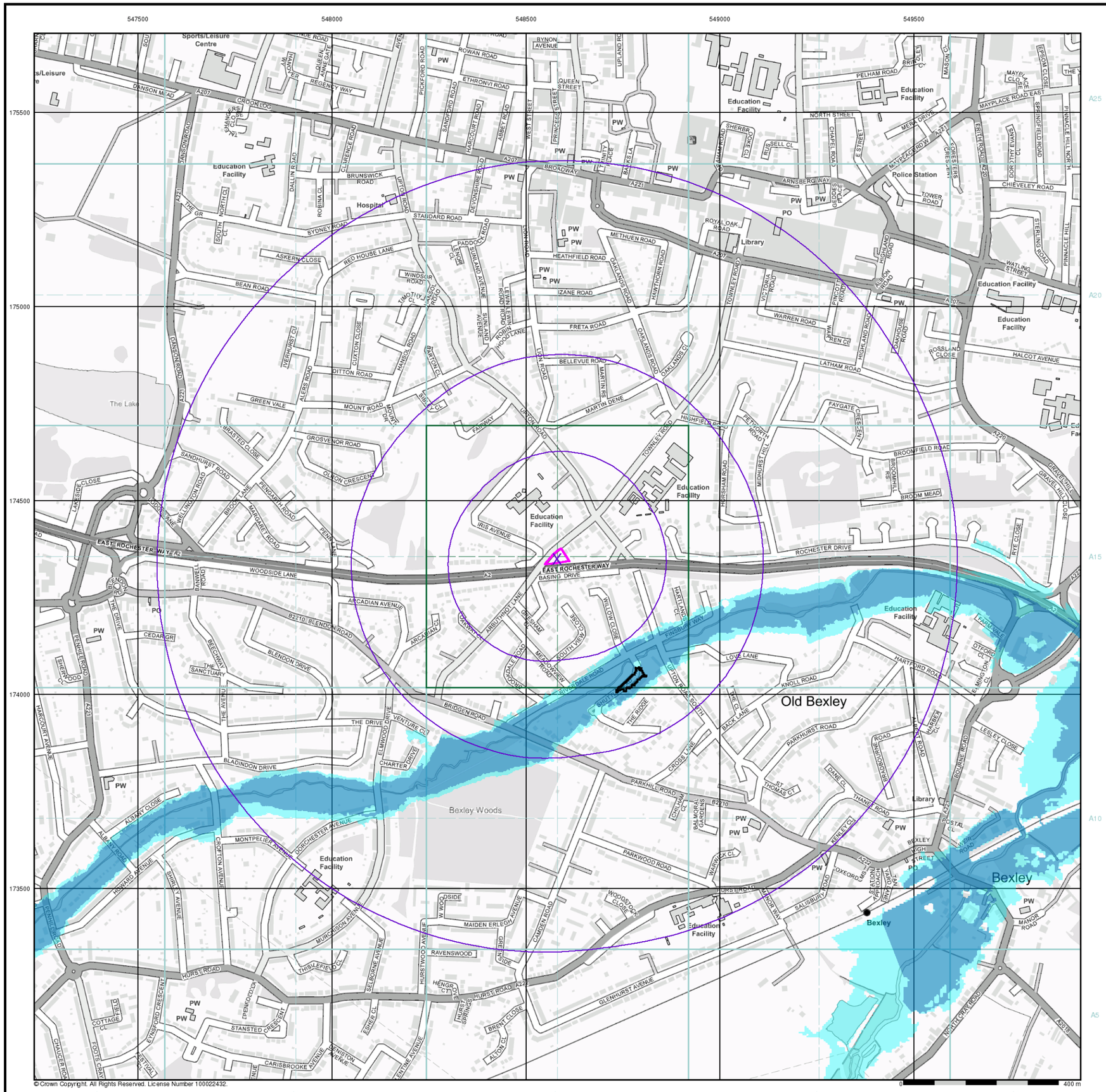
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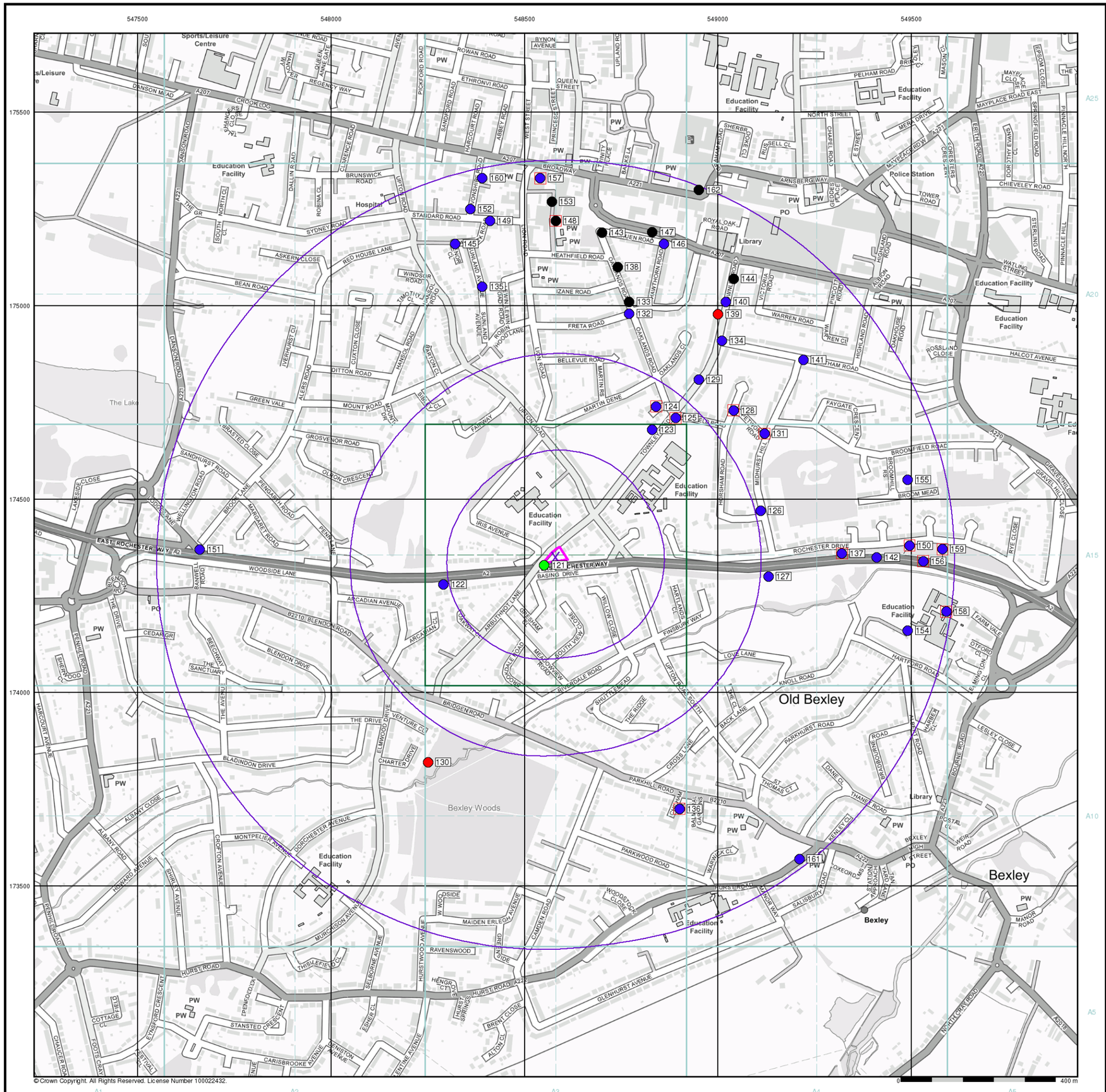
Site Details

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A5
Sports/Leisure Centre
Education Facility
Hospital
Police Station
Library
Post Office
Old Bexley
Bexley
Bexley Woods
The Lake
A207
A221
A2
A220
A223
B2210
ROWAN ROAD
ETHRONVI ROAD
REGENCY WAY
CROOK LOG
QUEEN STREET
BROADWAY
ARNSBERG WAY
MAYPLACE ROAD EAST
MAYPLACE ROAD WEST
CHIEVELEY ROAD
NORTH STREET
PELHAM ROAD
BRUNSWICK ROAD
STANDARD ROAD
SYDNEY ROAD
RED HOUSE LANE
BEAN ROAD
METHUEN ROAD
HEATHFIELD ROAD
IZANE ROAD
FRETA ROAD
BELLEVUE ROAD
MARTIN DENE
DITTON ROAD
GREEN VALE
MOUNT ROAD
GROSVENOR ROAD
SANDHURST ROAD
ROYAL OAK ROAD
WARREN ROAD
LATHAM ROAD
HALCOT AVENUE
BROOMFIELD ROAD
BROOM MEAD
EAST ROCHESTER WAY
BASING DRIVE
ROCHESTER DRIVE
WOODSIDE LANE
ARCADIAN AVENUE
B2210 BLENDON ROAD
BLENDON DRIVE
CEDAR GR
BRIDGEN ROAD
BLADINDON DRIVE
FIRSBURY WAY
LOVE LANE
KNOLL ROAD
HARTFORD ROAD
PARKHILL ROAD
PARKWOOD ROAD
THANET ROAD
MONTPELIER AVENUE
DORCHESTER AVENUE
ALBANY CLOSE
ALBANY ROAD
HURST ROAD
MAIDEN ERLEGH AVENUE
RAVENSWOOD
GLENHURST AVENUE
SALISBURY ROAD
MANOR WAY
MANOR ROAD
HIGHFIELDS RD
FAYGATE CRESCENT
PENROTH ROAD
MIDHURST HILL
HORSHAM ROAD
BROOMHILL RD
GRAVEL HILL CLOSE
RYE CLOSE
EPSOM CLOSE
SPRINGFIELD ROAD
PINNACLE HILL
PINNACLE HILL NORTH
STERLING ROAD
WATLING STREET
TOWER ROAD
MERA DRIVE
ERITH ROAD
DOROTHY EVANS CL
CHAPEL ROAD
E STREET
SHERBROOKE ROAD
BRIDGE ROAD
GEDDES HOUSE
ROSSLAND CLOSE
OAKHOUSE ROAD
HIGHLAND ROAD
PINCOTT ROAD
VICTORIA ROAD
TOWNLEY ROAD
HAWTHORN ROAD
OAKLANDS ROAD
LUDLOW ROAD
LEWIN ROAD
SUNNYMEAD AVENUE
ROBIN HOOD LANE
PADDOCK ROAD
LEIGH CL
TIMOTHY CL
WINDSOR ROAD
ASKERN CLOSE
DALLIN ROAD
CLARENCE ROAD
DEVONSHIRE ROAD
HARCOURT ROAD
ABBEY ROAD
WEST STREET
PRINCESS STREET
UPLAND RD
BYNON AVENUE
PICKFORD ROAD
SANDFORD ROAD
JOHNSON ROAD
JOHNSON MEAD
QUEEN ANNE GATE
SHAMROCK CLOSE
ROBINA CL
SOUTH NORTH CL
THE GR
UPTON ROAD
TOWNLEY ROAD
BARTON CL
SUNNYMEAD AVENUE
LUDLOW ROAD
MOUNT DR
SHIRLEY CL
FAIRWAY
UPTON ROAD
BRASTED CLOSE
LAKESIDE CLOSE
OLTON CRESCENT
WELLINGTON ROAD
BROOK LANE
MARGARET ROAD
FENNLANE
BANWELL ROAD
PENTLEE ROAD
SHERWOOD CL
THE SANCTUARY
THE AVENUE
HARCOURT AVENUE
ELMWOOD DRIVE
VENTURE CL
CHARTER DRIVE
THE DRIVE
ALBANY CLOSE
CROFTON AVENUE
SHIRLEY AVENUE
HINARD AVENUE
MURCHISON AVENUE
THISTLEFIELD CL
SELBORNE AVENUE
HURSTWOOD AVENUE
HENGROVE CT
HURST SPRINGS
BRENT CLOSE
ALTON CL
ESHER CL
PENWOOD CLOSE
STANSTED CRESCENT
CARISBROOKE AVENUE
DENISTON AVENUE
KENTMERE AVENUE
ENGLEFORD CRESCENT
COTTAGE FIELD
FOOTS CRAY FESTIVAL
CAMDEN ROAD
WOODSIDE
WOODSIDE CLOSE
ONSLOW GARDENS
CRESCENT
CRESCENT
CRESCENT



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General

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

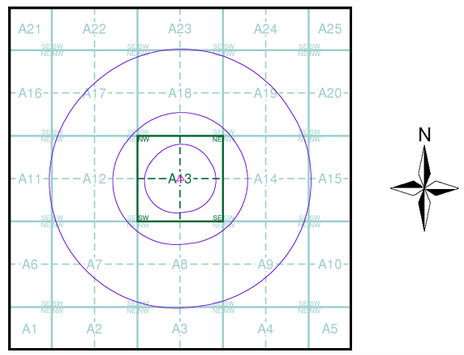
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A



Order Details

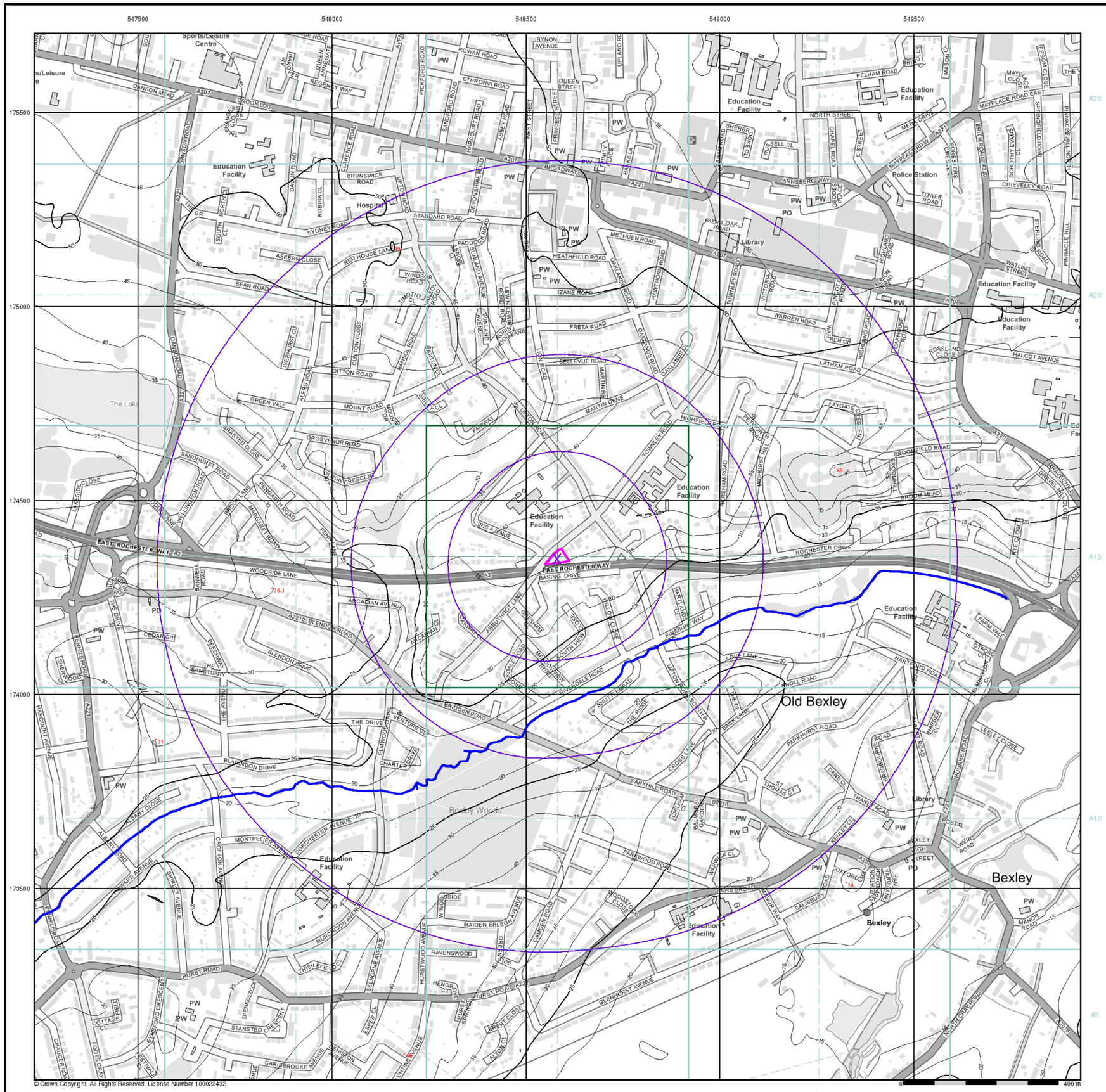
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Customer Ref:	14020774
National Grid Reference:	548580, 174350
Slice:	A
Site Area (Ha):	0.13
Search Buffer (m):	1000

Site Details

71, Arbuthnot Lane, BEXLEY, DA5 1HD

Landmark® INFORMATION GROUP

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



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General

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

OS Water Network Data

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

Contours (height in meters)

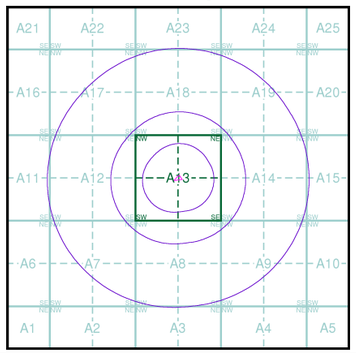
Standard Contour 105 100 95

Master Contour

Spot Height 167.3

- MLW Mean Low Water
- MHW Mean High Water

OS Water Network Map - Slice A



Order Details

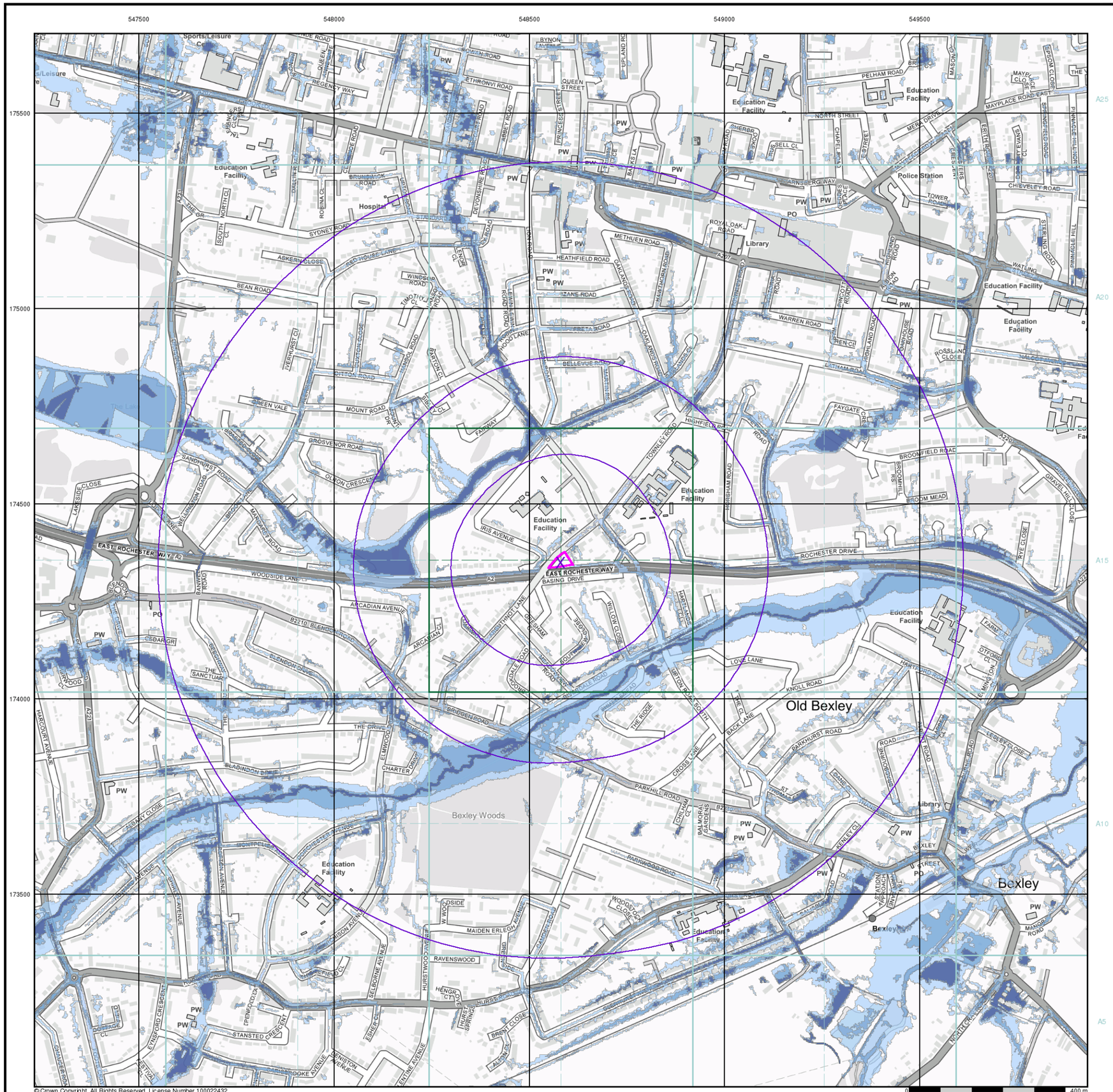
Order Number:	191717962_1_1
Customer Ref:	14020774
National Grid Reference:	548580, 174350
Slice:	A
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Search Buffer (m):	1000

Site Details

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General

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

Risk of Flooding from Surface Water

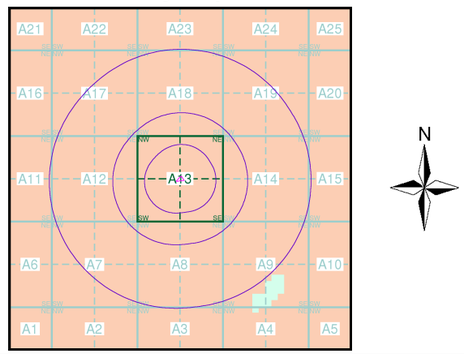
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

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

EA/NRW Suitability Map - Slice A



Order Details

Order Number:	191717962_1_1
Customer Ref:	14020774
National Grid Reference:	548580, 174350
Slice:	A
Site Area (Ha):	0.13
Search Buffer (m):	1000

Site Details

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APPENDIX C

Zetica UXO Map and Pre-Desk Study Assessment

Pre-Desk Study Assessment

Site:	Arbuthnot Lane, Bexley, London
Client:	Arcadis
Contact:	Rimjhim Singh
Date:	23rd January 2019
Pre-WWI Military Activity on or Affecting the Site	None identified.
WWI Military Activity on or Affecting the Site	None identified.
WWI Strategic Targets (within 5km of Site)	The following strategic targets were located in the vicinity of the Site: ■ Transport infrastructure and public utilities. ■ Anti-Aircraft (AA) guns.
WWI Bombing	None identified on the Site.
Interwar Military Activity on or Affecting the Site	None identified.
WWII Military Activity on or Affecting the Site	None identified.
WWII Strategic Targets (within 5km of Site)	The following strategic targets were located in the vicinity of the Site: ■ Transport infrastructure and public utilities. ■ Industries important to the war effort, including munitions works. ■ Military barracks and training grounds. ■ AA guns and anti-invasion defences.
WWII Bombing Decoys (within 5km of Site)	None.
WWII Bombing	During WWII the Site was located in the Municipal Borough (MB) of Bexley, which officially recorded 660No. High Explosive (HE) bombs with a bombing density of 135.6 bombs per 405 hectares (ha). Readily available records indicate that several HE bombs fell in close proximity to the Site.
Post-WWII Military Activity on or Affecting the Site	None identified.
Recommendation	It is recommended that a detailed desk study is commissioned to assess, and potentially zone, the Unexploded Ordnance (UXO) hazard level on the Site.

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

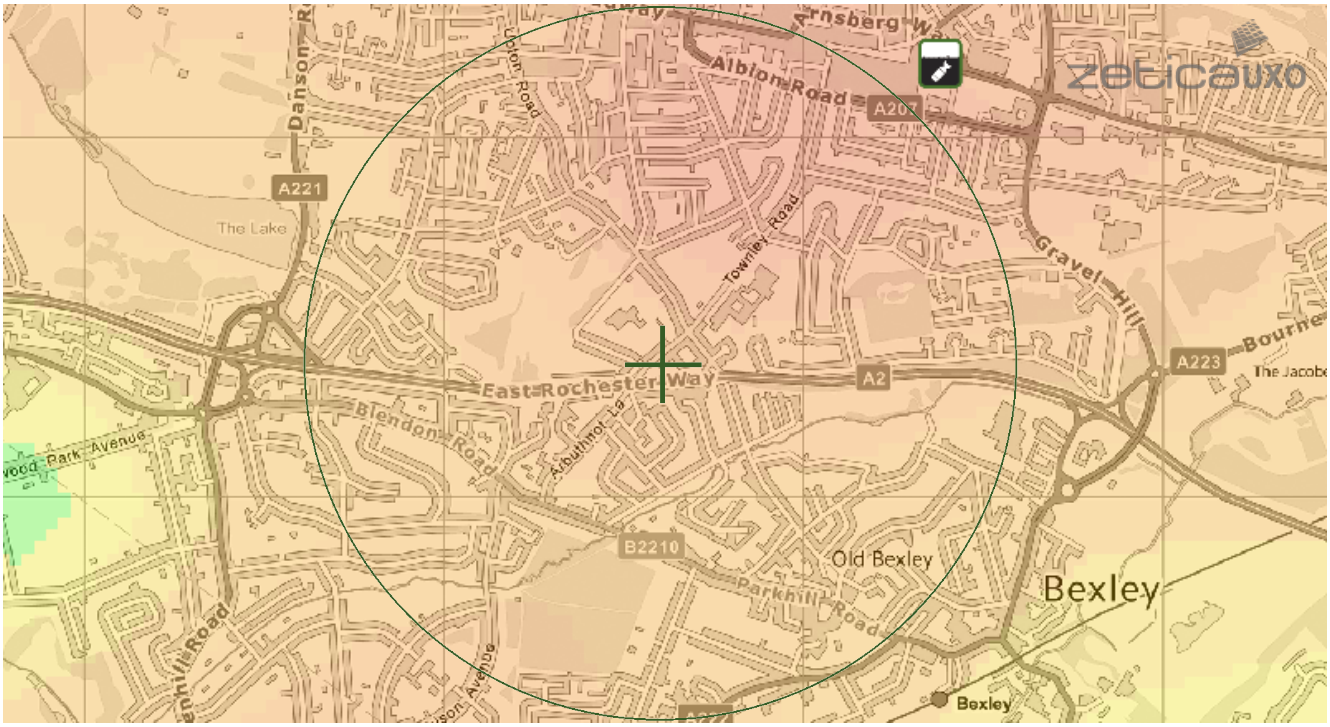
It should be noted that where a potentially significant source of UXO hazard has been identified on the Site, the requirement for a detailed desk study and risk assessment has been confirmed and no further research will be undertaken at this stage. It is possible that further in-depth research as part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

UNEXPLODED BOMB RISK MAP

zeticauxo

SITE LOCATION

Location: DA5 1HD,
Map Centre: 548614,174373



LEGEND

London Bomb Risk



miltary	industry	UXO find
transport	dock	Luftwaffe targets
utilities	other	abandoned bombs

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

The map indicates the potential for Unexploded Bombs (UXB) to be present as a result of World War Two (WWII) bombing.

You can incorporate the map into your preliminary risk assessment* for potential Unexploded Ordnance (UXO) for a site. Using this map, you can make an informed decision as to whether more in-depth detailed risk assessment* is necessary.

Relative UXB risk across London

The relative risk for the London area is established by plotting the recorded bombing densities.

These are represented as counts of high explosive bombs in km2 area. The areas coloured green represent a record of less than 10 bombs per km2.

Compared to other areas of the UK, this still represents a significant density. However, this is much lower than parts of Central London, where the red colouration indicates in excess of 150 bombs falling per km2, representing a very significant bombing density.

What do I do if my site is in a moderate or high density area?

Generally, we recommend that a detailed UXO desk study and risk assessment is undertaken for sites with a moderate or high bombing density.

More often than not, this further detailed research will conclude that the potential for a significant UXO hazard to be present on your site is actually low.

Never plan site work or undertake a risk assessment using these maps alone. More detail is required, particularly where there may be a source of UXO from other military operations which are not reflected on these maps.

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

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

A low risk really means that there is no greater probability of encountering UXO than anywhere else in the UK.

If you are unsure whether other sources of UXO may be present, you can ask for one of our **pre-desk study assessments (PDSA)**

If I have any questions, who do I contact?

tel: **+44 (0) 1993 886682**

email: **uxo@zetica.com**

web: **www.zeticauxo.com**

The information in this UXB risk map is derived from a number of sources and should be used in conjunction with the accompanying notes on our website: **(https://zeticauxo.com/downloads-and-resources/risk-maps/)**

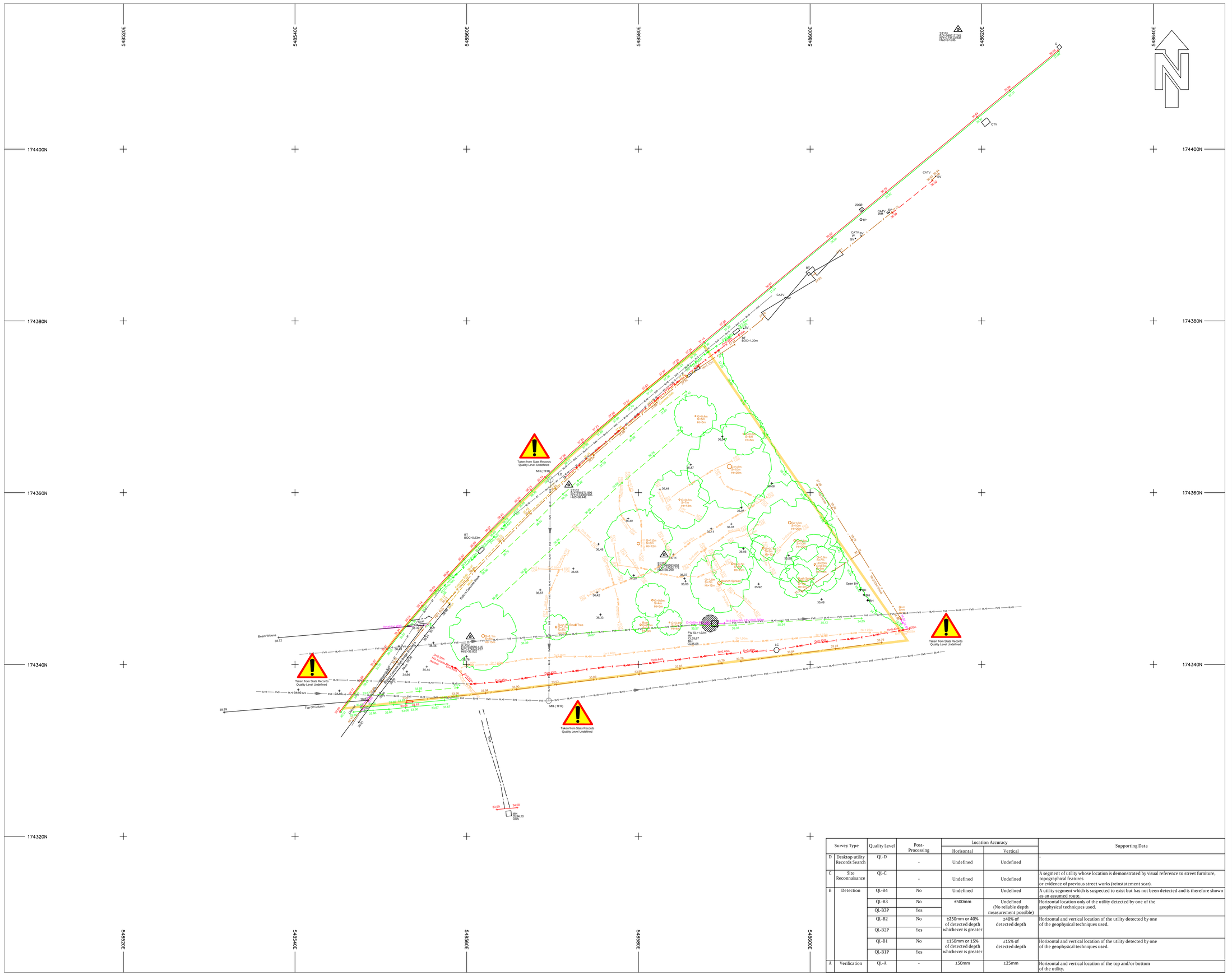
Zetica cannot guarantee the accuracy or completeness of the information or data used and cannot accept any liability for any use of the maps. These maps can be used as part of a technical report or similar publication, subject to acknowledgment. The copyright remains with Zetica Ltd.

It is important to note that this map is not a UXO risk assessment and should not be reported as such when reproduced.

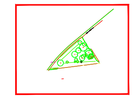
*Preliminary and detailed UXO risk assessments are advocated as good practice by industry guidance such as CIRIA C681 'Unexploded Ordnance (UXO), a guide for the construction industry'.

APPENDIX D

Underground Utility Mapping Survey



SHEET LAYOUT



UTILITY LEGEND

FWS	Foul Drainage
SWS	Surface Drainage
CWS	Combined Drainage
ELEC	Electricity
OHC	Overhead Electricity
TL	Traffic Light System
GAS	Gas
WATER	Water
TELECOM	Telecommunications
CATV	Cable Television
CCTV	Close Circuit Television
BT	British Telecom
OHT	Overhead Telecom
FO	Fibre Optics
UK	Unknown
UK-GPR	Unknown Route Located By GPR
DUCT	Ducting
TFL	Transport for London
	GPR Image Position

GPR Disturbance
GPR Geological Movement
GPR Reinforcement
GPR Underground Structure
GPR Underground Void
Survey Extents
Photo Position

*** Please Note:**
Utility routes shown in dark grey & with line type (/) are from existing records.
Example: ——— E ——— /E,+0 ———

ABBREVIATIONS

AC	Asbestos Cement	FFL	Finished Floor Level	R/W	Retaining Wall
ACU	Air Conditioning Unit	FH	Fire Hydrant	S	Slump
AD	Assumed Direction	FO	Fibre Optic Cover	SA	Survey Abandoned
AR	Assumed Route	FS	Flag Staff	S/A	Soakaway
AV	Air Valve	G	Gully	SC	Speed Camera
BB	Belisha Beacon	GPR	Ground Penetrating Radar Inconclusive	S/F	Safety Fence
BD	Back Drop			SI	Spun Iron
BHL	Bed Level	GV	Gas Valve	SL	Soffit Level
BK	Borehole	H/R	Hand Rail	SP	Sign Post
BL	Bollard	IC	Inspection Cover	SPR	Sprinkler
BL	Basement Light	IL	Invert Level	S/R	Steel Railings
BO	Bollard	I/R	Iron Rail Fence	SS	Single Stops
BR	Brick	KO	Kerb Outlet	ST	Stop Tap
BS	Bus Stop	LB	Letter Box	Stn	Survey Station
BT	British Telecom Cover	LC	Lighting Column	SV	Sluice Valve
BTB	British Telecom Box	LH	Lamp Hole	SVP	Soil Vent Pipe
BW	Brick Wall	LOR	Loss Of Reflection	SW	Stone Wall
B/W	Barbed Wire Fence	LOS	Loss Of Signal	Tac	Tactile Paving
Cam	Camera	MB	Mooring Bollard	TBM	Temporary Bench Mark
CAT	Catenary Level	M/C	Multiple Cables	TC	Telecom Cover
CB	Close Bonded Fence	MH	Manhole Cover	TCB	Telephone Call Box
CC	Control Cabinet	Mkr	Marker Post	TCP	Telephone Call Post
CH	Chainage	MP	Mile Post/Stone	TFR	Taken From Records
ChL	Channel Level	NFI	No Further Information	TH	Trial Hole / Pit
CI	Cast Iron	NM	Node Marker	THL	Threshold Level
C/I	Corrugated Iron Fence	NP	Name Plate	Tk	Tank
CL	Cover Level	NPV	No Pipes Visible	TOW	Top Of Wall
C/L	Chain Link Fence	OSA	Off Survey Area	TP	Telegraph Pole
Co	Concrete	P	Post	TS	Traffic Signals
CP	Catch Pit	PBM	Permanent Bench Mark	U/S	Upstream
C/pL	Coping Level	PE	Polyethylene	UTGA	Unable to Gain Access
C/B	Crash Barrier	PGM	Permanent Ground Marker	UTL	Unable to Locate
CTV	Cable TV			UTR	Unable to Raise
C/UL	Culvert	PL	Plastic	UTS	Unable to Survey
CW	Concrete Wall	P/L	Palisade Fence	UTT	Unable to Trace
DI	Ductile Iron	PM	Parking Meter	VC	Vitrified Clay
dil	Dilapidated	P/R	Post and Rail Fence	VDP	Vehicle Detector Pads
dis	Disused	PU	Pump	VP	Vent Pipe
D/S	Downstream	PVC	Polyvinylchloride	VR	Vapour Recovery
DSW	Dry Stone Wall	P/W	Post and Wire Fence	VTP	Vertical Pipe
EB	Electricity Box	PZ	Piezometer	W	Water Cover
EC	Electricity Cover	RE	Reading Eye	WL	Water Level
E/F	Electric Fence	RI	Risk	WM	Water Meter
EOT	End of Trace	RL	Rail Level	W/M	Wire Mesh Fence
EP	Electricity Pole	RP	Reflector Post	WO	Water Wash Out
ER	Earth Rod	RS	Road Sign	WS	Window Sample
FC	Fuel Cover	RWP	Rain Water Pipe	WV	Wheel Valve

DISCLAIMER

Unless otherwise stated, all services shown on this plan have been surveyed using approved detectors and the connections between manholes, if not traced, are assumed to be direct.
No guarantee can be given that all services have been shown.
In ideal conditions the depth accuracies for the underground utilities located is +/- 10% of depth.
Where services are shown as 'Taken From Records' on the drawing we are not liable for any loss that may arise due to a lack of accuracy in that guided information.
Due to BT's policy we are not permitted to lift their inspection chamber covers.
Reference should be made to the methodology used on site as detailed within the latest version of 40SEVEN's Site Procedures for Utility Location Surveys.
Excavations in the vicinity of services shown are to be carried out with due diligence (Ref: HSG47.)
The following text* is an extract from Surveys of Land, Buildings and Utility Surveys at scales of 1:500 and Larger issued by the Royal Institute of Chartered Surveyors December 2014.
*Electronic tracing is a reliable method of locating buried services. On heavy, built up sites 85% completeness is probably all that can be expected.
*Plan accuracies of the order of + or - 150mm may be achieved but this figure will depend on the depth of the service below ground level. Where similar services run in close proximity, separation may be impossible. Successful tracing of non-metallic pipes may be limited.
*Existing record information showing underground services is often incomplete and of doubtful accuracy. It should be regarded only as an indication and cannot be guaranteed.

NOTES

Read in conjunction with existing records.
Utility routes and text shown in dark grey are from existing records.
Drainage routes with a pipe diameter of 300mm or greater are shown as the pipe width along with continuous line style.
For additional copies please contact 40SEVEN.
Services plotted outside survey extents should not be considered to be exhaustive.

REV.	DETAILS	BY	DATE

Survey Type		Quality Level	Post-Processing	Location Accuracy		Supporting Data
				Horizontal	Vertical	
D	Desktop utility Records Search	QL-D	-	Undefined	Undefined	-
C	Site Reconnaisance	QL-C	-	Undefined	Undefined	A segment of utility whose location is demonstrated by visual reference to street furniture, topographical features or evidence of previous street works (reinstatement scar).
B	Detection	QL-B4	No	Undefined	Undefined	A utility segment which is suspected to exist but has not been detected and is therefore shown as an assumed route.
		QL-B3	No	±500mm	Undefined (No reliable depth measurement possible)	Horizontal location only of the utility detected by one of the geophysical techniques used.
		QL-B3P	Yes			
		QL-B2	No	±250mm or 40% of detected depth whichever is greater	±40% of detected depth	Horizontal and vertical location of the utility detected by one of the geophysical techniques used.
		QL-B2P	Yes			
		QL-B1	No	±150mm or 15% of detected depth whichever is greater	±15% of detected depth	Horizontal and vertical location of the utility detected by one of the geophysical techniques used.
		QL-B1P	Yes			
A	Verification	QL-A	-	±50mm	±25mm	Horizontal and vertical location of the top and/or bottom of the utility.

GRID: ORDNANCE SURVEY RELATED TO THE OS ACTIVE STATIONS BY GPS OBSERVATIONS

DATUM: ORDNANCE SURVEY RELATED TO THE OS ACTIVE STATIONS BY GPS OBSERVATIONS

Achilles
THE SURVEY ASSOCIATION
Certificate Number: FS 11217
40SEVEN
LEEDS 0113 201 9700
LONDON 01732 740696
E-Mail: 40Seven-info@40Seven.com Web site: www.40seven.com

CLIENT:
ARCADIS CONSULTING
1ST FLOOR, 2 GLASS WHARF
TEMPLE QUAY
BRISTOL, BS2 0FR

PROJECT TITLE:
TFL SITES
PHASE 2 SMALL SITES
ARBUTHNOT LANE

DRAWING TITLE:
PAS128 M4P
UNDERGROUND UTILITY MAPPING SURVEY

SURVEYED BY:	DRAWN BY:	APPROVED BY:
MM	VK	EE

SCALE:	SURVEY DATE:
1:200 @ A1	01 / 2019

DRAWING NUMBER: 1670_P_Arbuthnot_Lane_SiteC

SHEET NUMBER: 1 of 1 A1 REV:

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