



Ground and Environmental Services Limited

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**Wilmington Depot
Broad Lane
Wilmington
Dartford
DA2 7AQ**

Phase 1 Contamination Risk Assessment

On behalf of Mayfair Construction Developments Ltd



Document Reference: 13238 [Rev 1]

March 2024

air quality assessment contaminated land ecology environmental audits noise assessment
environmental impact assessments flood risk assessments geotechnical engineering ground investigation
hydrogeology noxious weeds remediation design risk assessments waste management

**Site: Wilmington Depot, Broad Lane, Wilmington, Dartford, DA2
7AQ**

Document Reference No: 13238 [Rev 1]

Quality Management

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Date	March 2024
Revision	01

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1 INTRODUCTION

Ground and Environmental Services Ltd (GES) was commissioned by Mayfair Construction Developments Ltd on 1st March 2024 to undertake a Phase 1 Contamination Risk Assessment on a proposed redevelopment site at Wilmington Depot, Broad Lane, Wilmington, Dartford, DA2 7AQ.

It was understood that the proposed redevelopment of the site would comprise the demolition of light industrial/commercial buildings and the construction of nine dwellings in a combination of semidetached and terraced configurations with associated access roads, areas of hard standing and soft landscaped areas including private gardens.

The aims of the Phase 1 Contamination Risk Assessment would be to identify environmental liabilities associated with the site and delineate any areas of potential contamination resulting from the site's previous and current usage.

2 SITE LOCATION AND LAYOUT

The site is located in Wilmington, Dartford, DA 2 7AQ, approximately 600m southwest of the A2 and 2.75km southwest of Dartford Train Station and is centred on approximate ordnance survey grid reference centre: TQ527720.

- To the immediate north of site is a small 40m stretch of trees followed by a large school complex.
- To the west of site is an access road to the school and the school playing fields.
- The south of site also borders the access road as well as a church. Further south is mostly agricultural land.
- To the east of site are terraced properties, mostly residential with a few small businesses.

A site walkover was carried out by a suitably experienced environmental consultant on 11th March 2024. Photographs taken of the site are included at Appendix 1, and the salient details are outlined below. A site layout plan is included as Figure 1.

At the time of the site walkover the development site was a former Kent County Council landscaping depot. An open sided corrugated metal barn with compacted earth flooring was located near the main southern boundary of site. A storage barn, formerly housing Kent County Council landscaping equipment with concrete flooring in the centre of site. To the immediate east of this were metals segregated and awaiting recycling. Attached to the northern end of the storage barn was a pitched slate tiled roof barn with concrete floors. Immediately south of this building was an open drain in which a notably high-water table was observed. Within the eastern half of the site were stand-alone containers and/or site offices/ welfare facilities. A large storage container was located in the northwest corner of the site. Along the northwestern and southern boundaries of the site there were two stockpiles of soils and rubble.



3 SITE HISTORY

A map search was carried out for the site and extracts of the following Ordnance Survey maps were obtained covering the period between 1883 and 2024.

These are presented in Appendix 2 and the relevant historic details are summarised as follows:

Mapping Date Range	On Site	Surrounding Area
1883–1885	There are two rectangular buildings on site. One on the northern border and one by the northeastern border. Four circular structures are also located on the northeastern border, and an access path follows the eastern boundary of site. The northwestern corner of site comprises woodland. The southernmost boundary of site overlaps a road. The rest of site is open land.	Immediately north and east of site are further buildings and terraced properties with gardens. To the south and west of site is agricultural land and woodlands. There is another road ~90m northwest of site. Around 200m southwest of site is a lime kiln and old chalk pit. A large residential development is located ~200m northwest of site.
1897-1898	No significant development on site.	A small 'Mission Room' (religious building) is located immediately east of the north of site. There is a well and a pump within the properties east of the south of site. There is a smithy located ~80m northeast of site. Lime kiln is now 'old lime kiln'. The land further east, southeast, south and southwest of site is mostly agricultural/ woodland with the occasional building. To the north and northwest at ~500m are two hubs of interconnected roads and tracks with a few houses. Wilmington town is located directly 500m east of site including a post office, school and housing. There are brick works and gravel pits ~1100m north of site.
1909-1910	A new ~30m long rectangular building is located in the southern part of the main site area. There are three new smaller buildings in the centre of site. The access path along the eastern boundary is now an access road. Only two of the circular structures remain.	There are new buildings in the land immediately north and west of site: 25m north, 50m west, 40m northwest and 90m northwest. The terraced housing east of site has developed following the road towards Wilmington town centre. There is a laundry ~450m southeast of site. A large hospital and asylum is located 1200m northwest of site.



Mapping Date Range	On Site	Surrounding Area
1938-1939	The southeastern most boundary of the site overlaps a church building.	Three new terraced properties are located ~10m south of the southernmost part of site. Allotment gardens are located ~180m east of site. A tank/track is located ~300m north of site. A residential development is located ~600m southeast of site. The network of paths and tracks between 250 -750m north of site are becoming more defined roads. Development 750m northwest of site is growing.
1961	A small building overlaps the western border of the site.	Buildings northeast of site are now denoted as cottages and the building to the east of site is denoted as a church. The large property ~200m northwest of site is now a school. Large development of terraced housing along the road to the ~100m northeast of site. Developments in the area ~500m to the east of site are now connected to those northeast of site.
1962-1966	No significant development on site	The area starting ~80m northwest of site comprises playing fields. A tunnel is located ~350m north of site. Development of residential properties 500 – 800m northwest of site. Development of a college ~700m northeast of site. There are piggeries located 750 and 900m southwest of site.
1971-1975		Tennis courts are located ~90m northwest of site. The school ~150m northwest of site has undergone significant development. Development of the A2 going E-W ~600m north of site, it is sunken immediately north of site and raised northeast of site.
1981-1983	Site is now designated as a depot.	Further development of the school ~100m northwest of site. A primary school and playing fields is now located ~120m north of site. No further significant developments are located in the wider surrounding area.
1992	No significant development on site.	No significant development in the surrounding area (within 1km).
1999		
2024		



4 ENVIRONMENTAL SETTING

4.1 GEOLOGY

Reference to the British Geological Survey online geological mapping of the area indicates that the geology underlying the site comprises superficial sand and gravels of the Boyn Hill Gravel Member overlying bedrock geology of the Lewes Nodular Chalk Formation, Seaford Chalk Formation and Newhaven Chalk Formation (undifferentiated).

The geological memoir for the area described these strata as follows:

Superficial Deposits

Boyn Hill Gravel Member

Sand and gravel, with possible lenses of silt, clay or peat. [Generic description]. Poorly sorted, stratified gravel and locally tabular cross-bedded sand beds. Gravel assemblage is characterised by abundant angular flint (77-81%), sparse rounded flint (5-10%), sparse vein quartz (4-7%), sparse quartzite (1.5-5%), sparse Greensand chert (2.5-4%) and less than 1% of other types. The Lower Boundary sits unconformably on bedrock geology.

Bedrock Geology: Lewes Nodular Chalk Formation, Seaford Chalk Formation and Newhaven Chalk Formation (undifferentiated)

Lewes Nodular Chalk Formation

Composed of hard to very hard nodular chalks and hardgrounds (which resist scratching by fingernail) with interbedded soft to medium hard chalks (some grainy) and marls; some griotte chalks. The softer chalks become more abundant towards the top. Nodular chalks are typically lumpy and iron-stained (usually marking sponges). Brash is rough and flaggy or rubbly and tends to be dirty. First regular seams of nodular flint, some large, commence near the base and continue throughout.

Seaford Chalk Formation

Firm white chalk with conspicuous semi-continuous nodular and tabular flint seams. Hardgrounds and thin marls are known from the lowest beds. Some flint nodules are large to very large.

Newhaven Chalk Formation

Composed of soft to medium hard, smooth white chalks with numerous marl seams and flint bands, including abundant Zoophycos flints (notably at levels near the base). The formation is known to contain distinct phosphatic chalks of limited lateral extent. Equivalent beds, the Margate Chalk of north Kent, are marl-free and contain little flint.



4.2 GROUNDWATER

Reference to the British Geological Survey 1:50,000 scale Aquifer Designation Dataset, shows the site to be set upon a Principal Bedrock Aquifer underlying a Secondary A Superficial Aquifer.

Principal Aquifers are highly permeable formations. They are layers of rock or drift deposits that have high intergranular and/or fracture permeability - meaning they usually provide a high level of water storage. They may support water supply and/or river base flow on a strategic scale.

Secondary Aquifers include a wide range of rock layers or drift deposits with an equally wide range of water permeability and storage. Secondary aquifers are subdivided into two types

Secondary A are permeable layers capable of supporting water supplies at a local scale and may be an important source of base flow to rivers. These include a wide range of rock layers or drift deposits with an equally wide range of water permeability and storage.

The soils are classified as high vulnerability, intermediate pollutant speed with well-connected fractures. There is very significant groundwater vulnerability risk and high possibility of soluble rock risk.

The site is not located within an Environment-Agency Designated Groundwater Source Protection Zone.

4.3 RADON

Reference to the British Geological Survey, National Geoscience Information Service indicated the property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). No radon protective measures are deemed necessary in the construction of new dwellings or extensions.

4.4 OTHER ENVIRONMENTAL INFORMATION

Reference was made to the environmental database Envirocheck, extracts from which are provided in Appendix 3. Relevant information relating to the sites environmental sensitivity is summarised as follows:

Dataset		On site	Nearest significant off-site feature
Agency & Hydrological	Discharge Consents	None	593m SW. Sewage Discharges - Final/Treated Effluent - Not Water Company. Into Land/Soakaway. Status: Lapsed



Dataset		On site	Nearest significant off-site feature
	Nearest Surface Water Feature	None	230m N.
	Substantiated Pollution Incident Register	None	533m NE. Category 2 - Significant Incident - Water Impact. Oils and Diesel (including Agricultural).
	Water Abstractions	None	1521m NW. Groundwater for Hospitals: General Use (Medium Loss). 1526m NE. Groundwater for Public Water Supply: Potable Water Supply - Direct
	Source Protection Zones	None	373m SE. Zone II (Outer Protection Zone) and Zone III (Total Catchment) Zone II: Either 25% of the source area or a 400-day travel time whichever is greater. Zone III: The total area needed to support the discharge from the protected groundwater source.
	OS Water Network Lines	None	230m N. Inland River, on ground surface.
Waste	No reported waste sensitivities related to this site.		
Geological	BGS Recorded Mineral Sites	None	955m SW. Underground Chalk. Ceased.
	Mining Instability	Conclusive Rock Mining	N/A
	Man-Made Mining Cavities	None	714m NE. Chalkwell. 752m SW. 2x Shafts- Probably Deneholes
	Natural Cavities	None	82m SW. Swallow Hole x 4. Chalk Group & Thanet Sand Formation underlying Boyn Hill Gravel & Head Deposits
	Potential for Ground Dissolution Stability Hazards	High	5m W. Moderate
Industrial Land Use	Contemporary Trade Directory Entries	None	152m E. Machine Tool Accessories & Services. Inactive.



Dataset		On site	Nearest significant off-site feature
Sensitive Land Use	Ancient Woodland	None	555m SW. Plantation on Ancient Woodland
	Areas of Adopted Green Belt	Adopted	945m S. Adopted
	Nitrate Vulnerable Zones	None	7m S. Groundwater.

5 CONTAMINATION RISK ASSESSMENT

This risk assessment has been undertaken with due regard to the advice relating to groundwater as provided in the Environment Agency’s “Methodology for the Derivation of Remedial Targets for Soil and Groundwater to Protect Water Resources”, the advice provided in the Contaminated Land (England) Regulations 2000, and the associated statutory guidance. The guidance defines contaminated land as any land that is in such a condition that by reason of substances in, on or under the land:

- significant harm is being caused or there is a significant possibility of such harm being caused; or
- pollution of controlled water is being or is likely to be caused.

This definition is based on the principles of risk assessment defined as a combination of the probability (or frequency) of occurrence of a defined hazard and the magnitude (including the seriousness) of the consequences. Central to the risk assessment process is the concept of pollutant linkage, that is a linkage between a contaminant and a receptor by means of a pathway.

Statutory definitions relating to pollution linkage.	
Contaminant	“a substance which is in, on or under the land and which has the potential to cause harm or to cause pollution of controlled waters.”
Receptor	“a living organism, a group of living organisms, and ecological system or a piece of property” which meets given criteria. “controlled waters which are, or could be, polluted by a contaminant”.
Pathway	“one or more routes or means by, or through, which a receptor: <ul style="list-style-type: none"> • is being exposed to, or affected by, a contaminant, or • could be so exposed or affected”.



The relationship between these components is discussed below in order to identify the existence of any source-pathway-receptor linkage on the site, and hence the potential risks associated with any contamination.

This risk assessment is based on the proposed redevelopment of the site for the demolition of light industrial/commercial buildings and the construction of nine dwellings in a combination of semidetached and terraced configurations with associated access roads, areas of hard standing and soft landscaped areas including private gardens.

The significance of the risks to the receptors/targets identified is based on an evaluation of the potential pathways between the contaminant source and receptors based on a residential with plant uptake end use.

Potential receptors/targets at the site and in the area in which the site is located include:

- future occupants and the general public;
- construction/maintenance workers;
- groundwater resources;
- underground services in and around the site;
- plants in proposed private gardens and soft landscaped areas.

5.1 CONTAMINANT SOURCES

The site has been part of a farm complex since c.1800s, being used more recently as storage compounds for Kent County Council Landscaping services.

There are contamination risks associated with an agricultural use of the site, as well as from the site's recent use as a storage depot for a council landscaping service, particularly from heavy metals, petroleum hydrocarbon compounds, polyaromatic hydrocarbons, and asbestos, as well as potential for herbicides and pesticides which may have been stored and disposed of on site.

The following potential contaminant sources have been identified at the site and in the surrounding area:

Potential Source	Source Description	Principal Contaminants of Concern
Current Site Use	Near surface in-fill/ reworked material of unknown origin used to level areas beneath current buildings and hardstanding across the site.	PAH, metals, asbestos, ground gases (methane, carbon dioxide)
Historic Site Use	Historic use of the site for agricultural/farming purposes.	TPH, PAH, metals, pesticides, herbicides
	Historic use of the site as depot for council landscaping services.	
Surrounding Land Use	Agricultural land	TPH, PAH, metals, pesticides, herbicides



5.2 RISK TO HUMAN HEALTH

There may be a risk to human health from heavy metals, TPH, PAH, pesticides, and herbicides, if a source-receptor pathway is present on site, i.e. within proposed garden areas. Development proposals are for a residential end use of the site with private gardens and areas of soft landscaping. As such, there would be an active source-receptor pathway in the areas of the private gardens and soft landscaping. Therefore, based on the current development proposals, the risks to human health from metals and hydrocarbons are considered to be moderate, in the absence of an intrusive site investigation.

GES feel that it would therefore be prudent to carry out an intrusive investigation of the site to establish the nature of any ground contamination in the underlying soils, in order to provide a more informed risk assessment in terms of human health.

5.3 RISKS TO WATER RESOURCES

The geology underlying the site is anticipated to comprise superficial sand and gravels of the Boyn Hill Gravel Member, designated as a Secondary A Aquifer, overlying bedrock geology of the Lewes Nodular Chalk Formation, Seaford Chalk Formation and Newhaven Chalk Formation, designated as Principal Aquifers. The site is not located within an Environment Agency Designated Groundwater Source Protection Zone.

There are no surface water features within 200m of the site, nor are there any water abstractions within 1km of the site.

Surface water runoff is into guttering and drainage.

Potentially contaminative uses of the site have been identified during the historical map survey. Potential mobile contamination may be present in the underlying soils, resulting from any potentially contaminative processes on site. The extent of ground contamination is unknown, and the absence of a groundwater level underlying the site, the risk to water resources is unknown and therefore assumed to be moderate.

5.4 RISKS TO PLANTS

Minimal plants, trees and vegetation on and bounding the site were noted to be in good condition for the time of year with no visible evidence of any dead vegetation, unusual growth, or discolouration. Development proposals include areas of private garden and soft landscaping. Based on the current development proposals the risks to plants are considered to be moderate in the absence of a more detailed site investigation. It is unlikely that existing soils on site would be suitable for use as growth media.

5.5 RISKS TO BUILDINGS & SERVICES

There is potential for hydrocarbon contamination to be present in the underlying soils given the site's historical use as a landscaping services depot. There is potential for damage to underground service pipes if any hydrocarbon contamination is present in underlying soils,



and therefore it is considered that the risks to proposed buildings and services are moderate. This assumption is made in the absence of more detailed ground investigation.

5.6 WASTE DISPOSAL

Any encountered asbestos materials should be handled safely, and by qualified persons, and disposed of to a suitably licensed waste facility.

Should an excess volume of soil be required to be disposed of off-site then a waste classification may be required.

For a waste classification to be undertaken, materials may need to be subjected to leachate testing which would give an indication to the soluble component of contaminants and, therefore those most toxic to the environment in the waste. The classification will then allow the appropriate disposal pathway to a suitably licensed disposal facility to be determined.

6 PRELIMINARY CONCEPTUAL SITE MODEL

A preliminary conceptual site model (PCSM) is a system diagram identifying contaminant sources, routes of exposure (pathways), and which receptors are affected by contaminants moving along those pathways.

The model is produced to identify the zones of the site with different potential contaminations characteristics (e.g. whether contaminants in the soil are likely to be on the surface or at depth, distributed over an entire area or in localised 'hot spots').

The PCSM presented in the table below is based on the findings of the desk study and site walkover.

Wilmington Depot, Broad Lane, Wilmington, DA2 7AQ
Geo-Environmental Investigation



Source	Pollutant	Pathway	Hazard	Receptor	Observations/ Recommendations	Assessed Risk
Contaminated ground	Metals (i.e. arsenic, copper, cobalt lead), and organic compounds.	→ Direct contact, ingestion, and inhalation.	Health risks including skin irritation.	→ Humans: site workers and future occupants.	Potential sources of contamination identified historically. Site currently capped and areas of bare ground, and private garden/soft landscaping is proposed. Intrusive investigation recommended to determine contamination content of underlying soils. Private gardens and soft landscaping proposed. Potential contamination in underlying soils. Surface run off is from buildings onto hardstanding. No surface watercourses within immediate vicinity.	Moderate
		Ingestion.	Consumption of homegrown produce.	→ Humans – future site users.		Moderate
		Uptake by plants.	Phytotoxic effects.	→ Soft landscaped areas / plants.		Moderate
		Surface run off from hardstanding areas.	Lateral movement to surface watercourses.	→ Aquatic resources, ecology and subsequent users including humans.		Low
		Leaching/ Dispersion.	Downward migration to groundwater.	→ Aquatic resources – Groundwater abstractions wells / surface waters.		Moderate
		Direct contact	Aggressive chemical attack	→ Building structures and services		Moderate
Liquid contaminant sources	Diesel, Petrol and Oils.	→ Direct contact; ingestion, inhalation.	Health risks including skin irritation. Lateral and vertical migration of contaminants.	→ Humans: site workers and future occupants. Groundwater and surface water.	Potential for mobile contamination within underlying soils given site's historical use.	Moderate
Building materials	Asbestos.	→ Inhalation.	Asbestosis.	→ Humans: site workers.	Appropriate PPE should be worn.	Low, assuming standard health and safety practices are followed
Landfill, Madeground	Ground gases (CO ₂ , CH ₄)	Inhalation and ingress into buildings	Asphyxiation and explosions	Buildings/ humans/ future site users	No landfill sites within 500m of the site. Potential for made ground on site.	Low-moderate



7 CONCLUSIONS AND RECOMMENDATIONS

Ground and Environmental Services Ltd undertook a Phase 1 Contamination Risk Assessment at a proposed redevelopment site at Wilmington Depot, Broad Lane, Wilmington, Dartford, DA2 7AQ. The purpose of the Phase 1 report was to identify environmental liabilities associated with the site and delineate any areas of contamination resulting from the site's previous and current usage.

- The Phase 1 Contamination Risk Assessment has been undertaken based on the current redevelopment proposals for the demolition of light industrial/commercial buildings and the construction of nine dwellings in a combination of semidetached and terraced configurations with associated access roads, areas of hard standing and soft landscaped areas including private gardens.
- Historical agricultural and commercial/light industrial use of the site as a depot for a council landscaping service has been identified.
- The geology underlying the site is anticipated to comprise superficial sand and gravels of the Boyn Hill Gravel Member, designated as a Secondary A Aquifer, overlying bedrock geology of the Lewes Nodular Chalk Formation, Seaford Chalk Formation and Newhaven Chalk Formation, designated as Principal Aquifers.
- The site is not situated within a Groundwater Source Protection Zone, and no potable water abstraction is noted within 1km of the site.
- Potential ground contamination may be present in the soils underlying the site given the nature of the site's historical use as part of a farm complex and a depot for a council landscaping service.
- The risks to human health, plants, water resources, and buildings and services are considered to be moderate in the absence of a more detailed site investigation.
- It is therefore recommended that confirmatory samples are collected from the soils underlying the site, as part of a Phase 2 Contamination Assessment of the site. Such an investigation could be required by an appropriate planning condition attached to any planning permission.
- Such a condition could stipulate that *“before the development hereby permitted commences on the site, a soil survey of the site shall be undertaken, and the results provided to the local planning authority. A scheme for the decontamination of the site shall be submitted to and approved by the local planning authority in writing and the scheme as approved shall be fully implemented and completed before any residential unit hereby permitted is first occupied.”*



APPENDIX 1
SITE PHOTOGRAPHS



Photo 1 – View west. Open sided metal barn in southern part of the site. Soil and brick rubble stockpiles noted to the south of the barn.



Photo 2 – view north of workshop/storage barns. Suspected ACM roofing on left hand barn in photo. Pile of segregated metal awaiting collection for recycling.



Photo 3 – view east across site, showing another storage barn (with possible ACM roofing) and container used as site office/welfare unit.



Photo 4 – View north, showing western part of the site where soils and vegetation have been stockpiled. Metal container used for storage of tools.



Photo 5 – internal floor area of barns. Concrete in good condition with no visual or olfactory evidence of any staining. Dark patch by doorway is rainwater ingress.



Photo 6 – View of southern end of storage barn, showing suspected ACM.



APPENDIX 2
HISTORICAL MAPS

Historical Mapping Legends

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

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

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

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

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

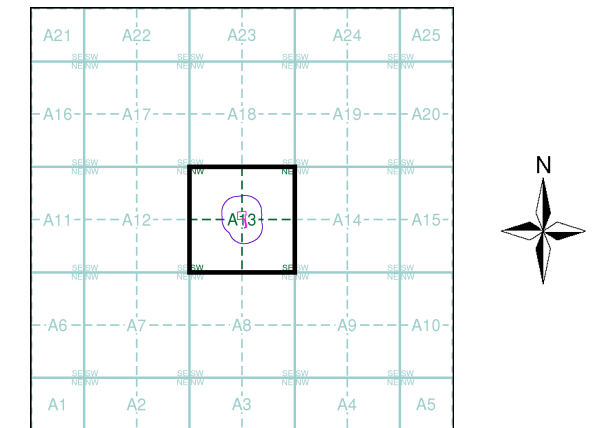
Cliff **Slopes** **Top**
Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds**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



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kent	1:2,500	1883 - 1885	2
Kent	1:2,500	1897	3
Kent	1:2,500	1909	4
Kent	1:2,500	1939	5
Ordnance Survey Plan	1:1,250	1961	6
Ordnance Survey Plan	1:2,500	1962	7
Ordnance Survey Plan	1:1,250	1971 - 1972	8
Ordnance Survey Plan	1:2,500	1977 - 1983	9
Additional SIMs	1:2,500	1977 - 1992	10
Additional SIMs	1:1,250	1981	11
Ordnance Survey Plan	1:2,500	1983	12
Additional SIMs	1:2,500	1984	13
Additional SIMs	1:2,500	1991	14
Large-Scale National Grid Data	1:2,500	1992	15
Large-Scale National Grid Data	1:1,250	1992	16
Large-Scale National Grid Data	1:2,500	1992	17

Historical Map - Segment A13



Order Details

Order Number: 338527426_1_1
 Customer Ref: 13238
 National Grid Reference: 552740, 172020
 Slice: A
 Site Area (Ha): 0.29
 Search Buffer (m): 100

Site Details

Wilmington Depot, Broad Lane, DARTFORD, DA2 7AQ



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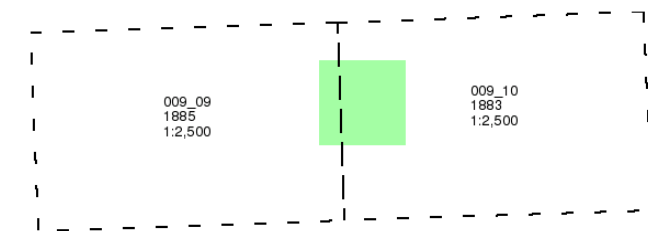
Kent

Published 1883 - 1885

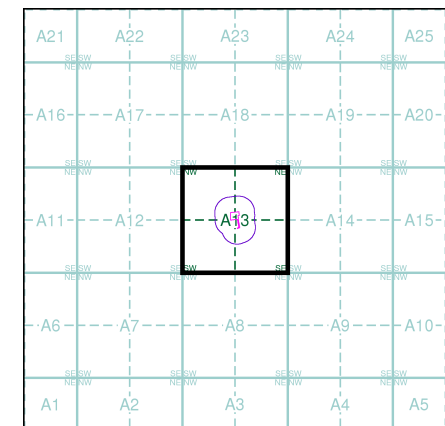
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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

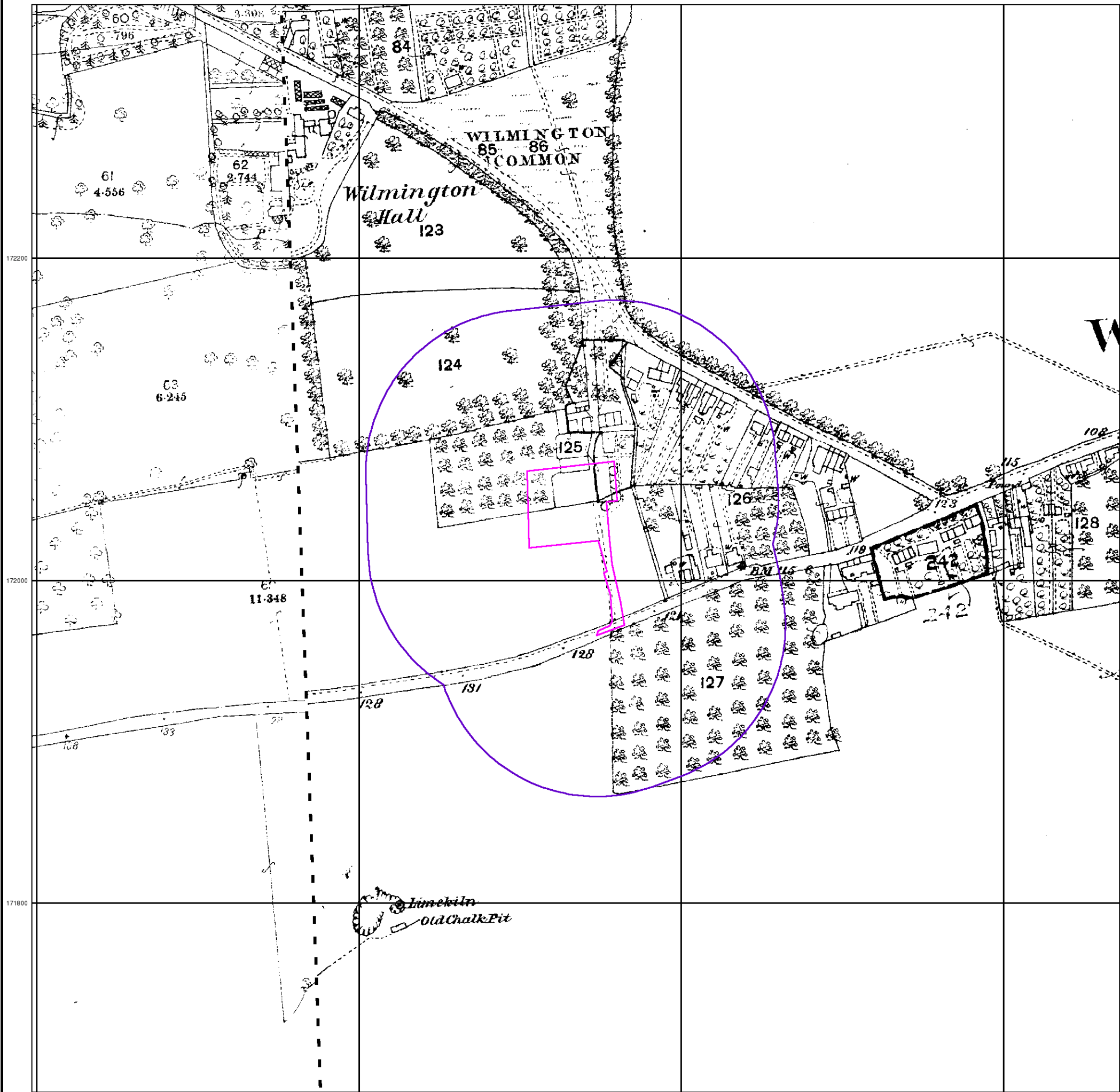
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Slice: A
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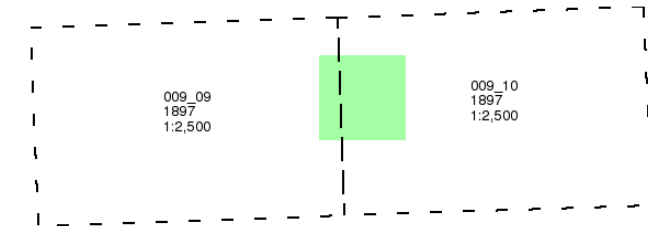
Kent

Published 1897

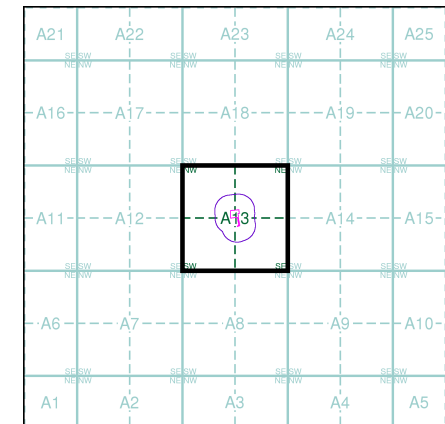
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

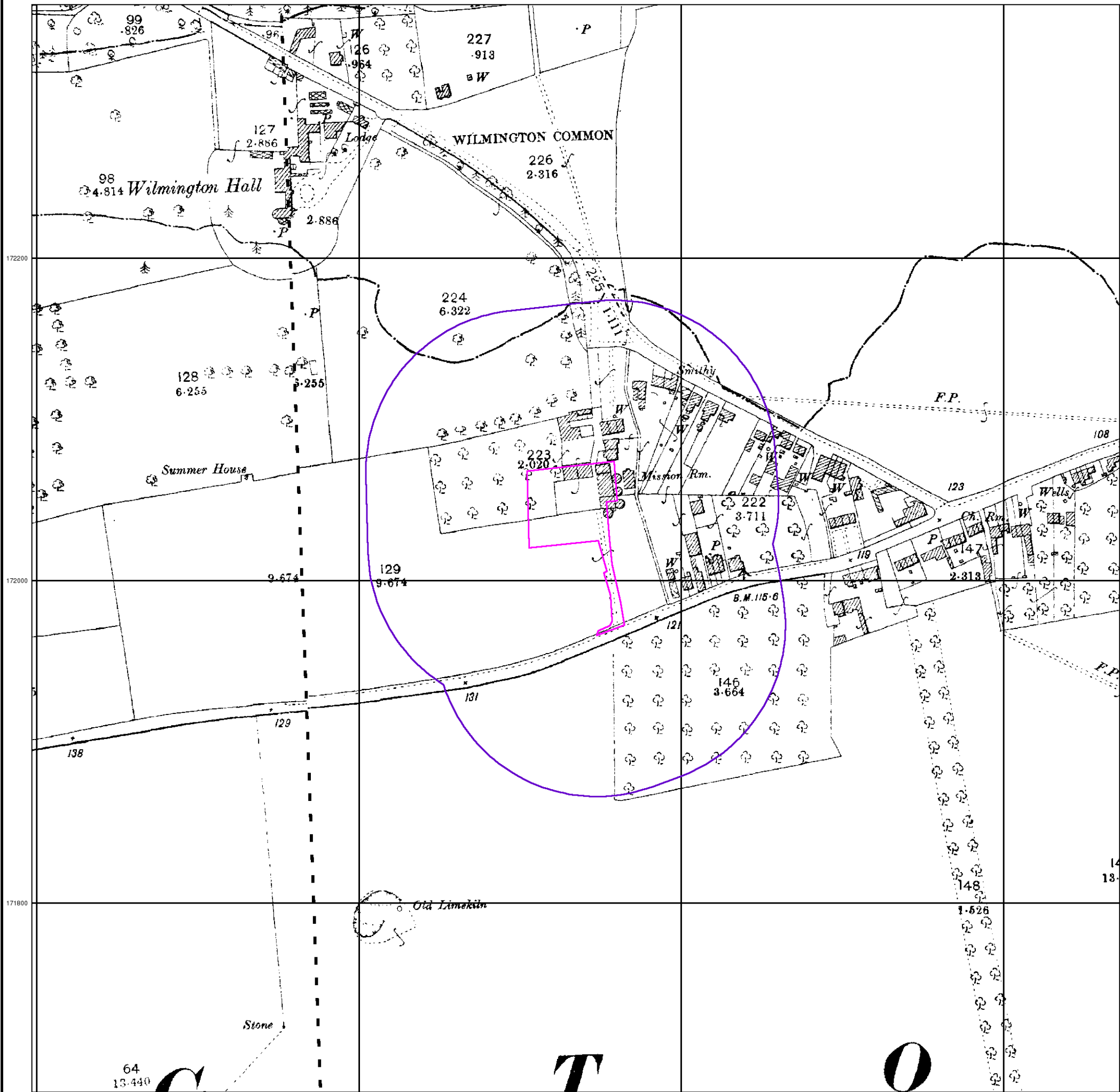
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Customer Ref: 13238
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Slice: A
Site Area (Ha): 0.29
Search Buffer (m): 100

Site Details

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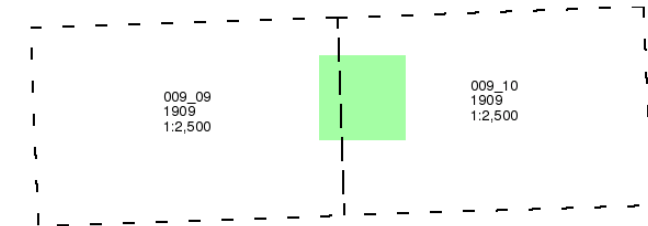
Kent

Published 1909

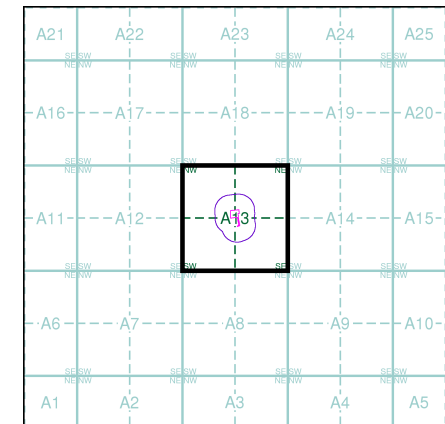
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

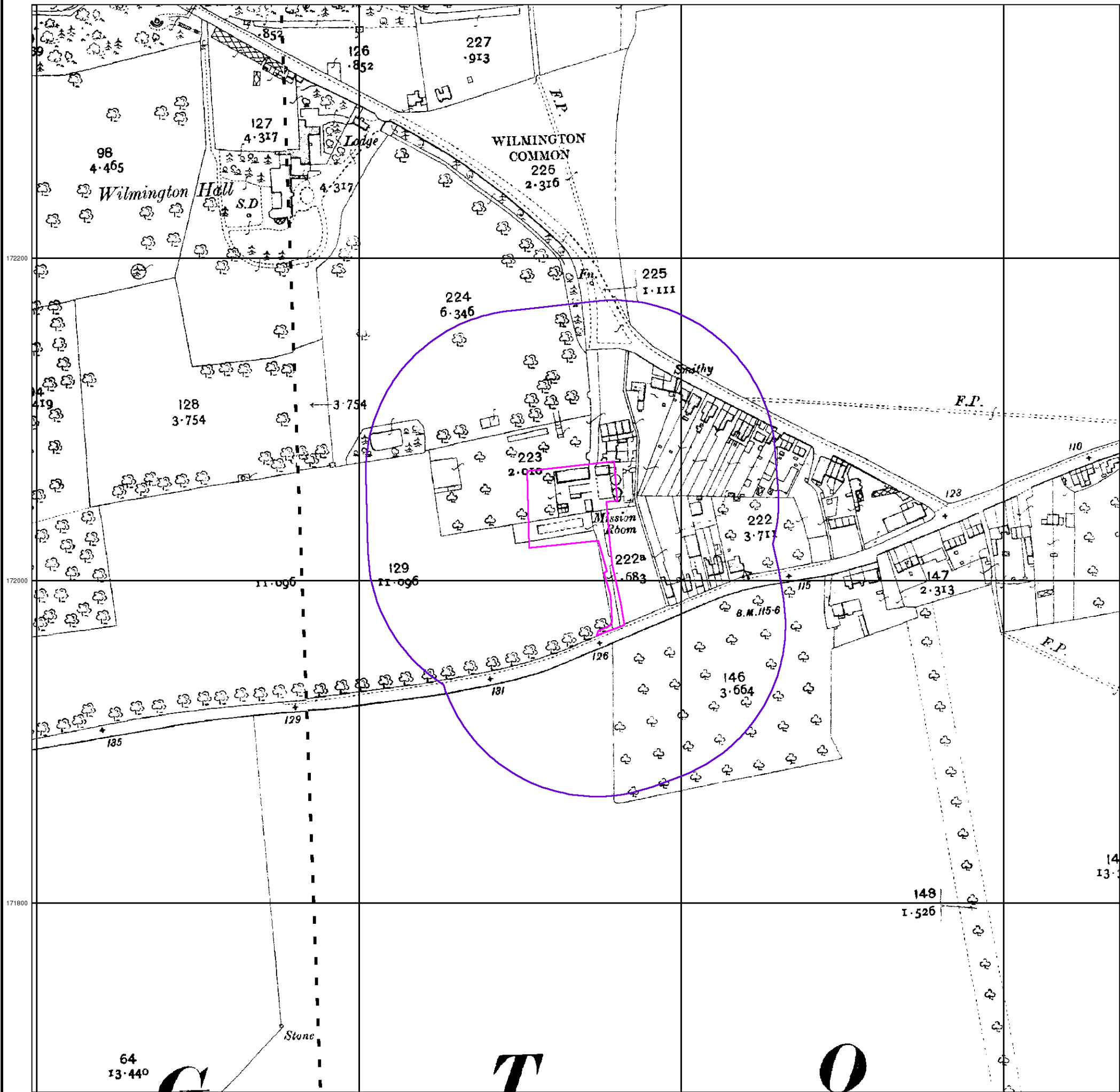
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Customer Ref: 13238
National Grid Reference: 552740, 172020
Slice: A
Site Area (Ha): 0.29
Search Buffer (m): 100

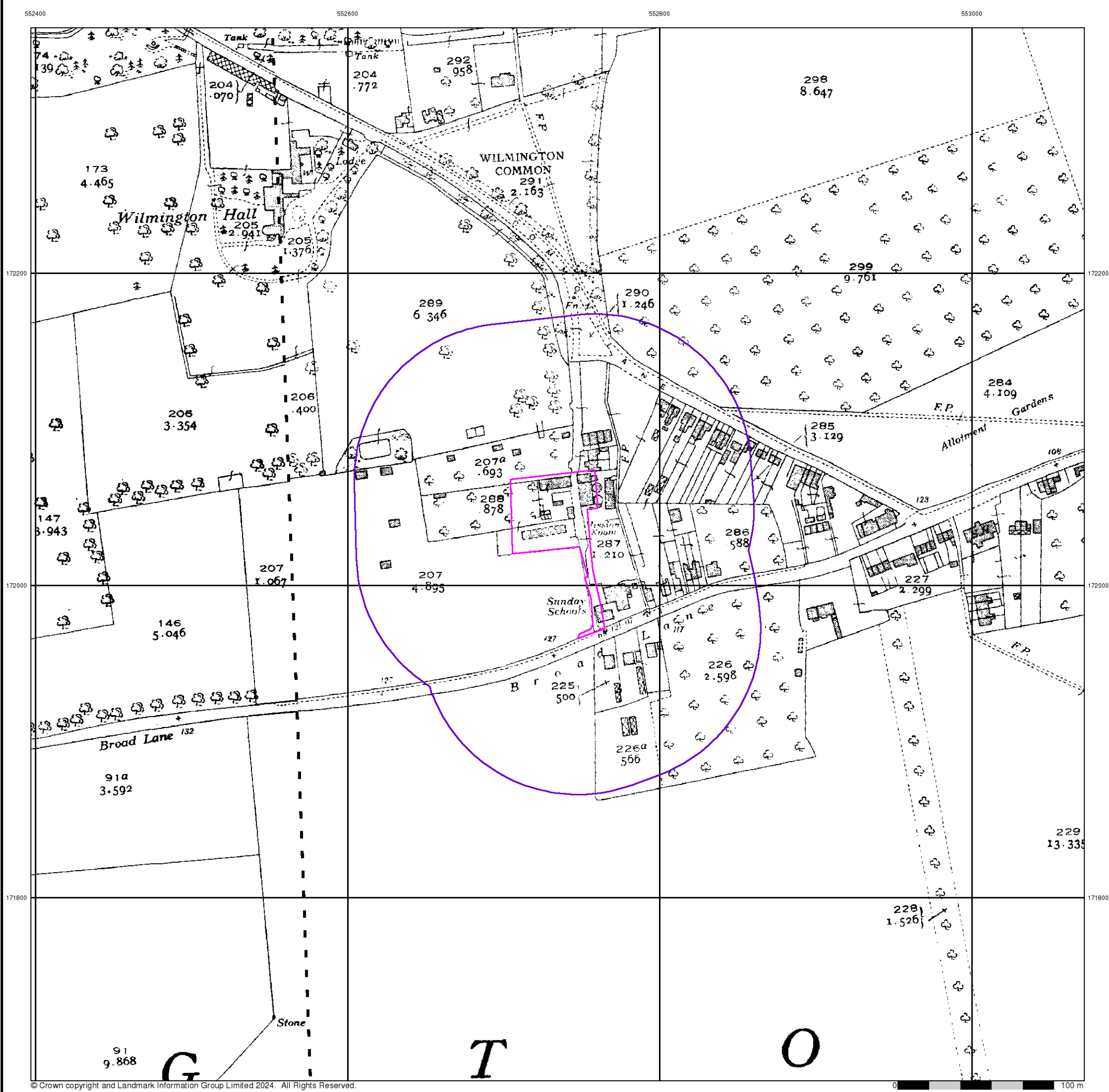
Site Details

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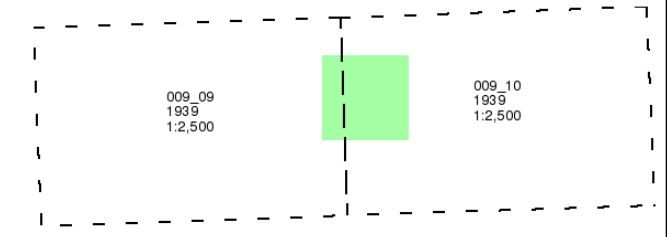
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Published 1939

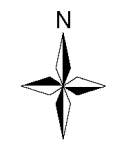
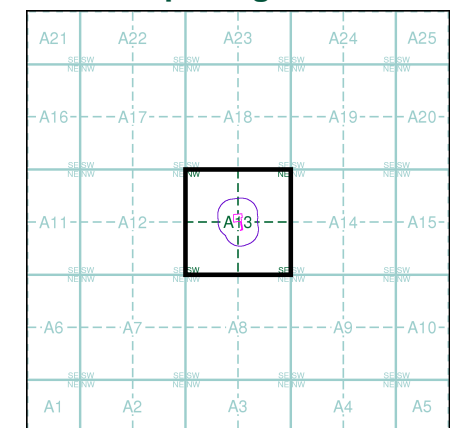
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 338527426_1_1
 Customer Ref: 13238
 National Grid Reference: 552740, 172020
 Slice: A
 Site Area (Ha): 0.29
 Search Buffer (m): 100

Site Details

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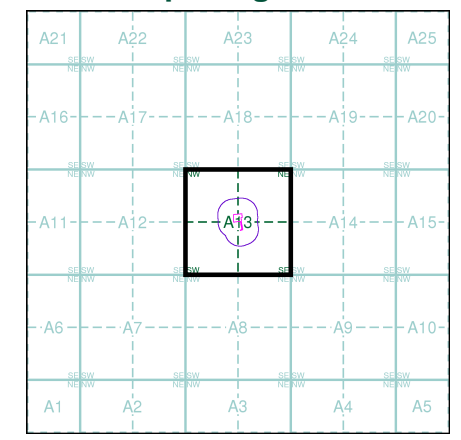
Ordnance Survey Plan
Published 1961
Source map scale - 1:1,250

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)

TQ5272SW 1961 1:1,250	TQ5272SE 1961 1:1,250	TQ5372SW 1961 1:1,250
-----------------------------	-----------------------------	-----------------------------

Historical Map - Segment A13



Order Details

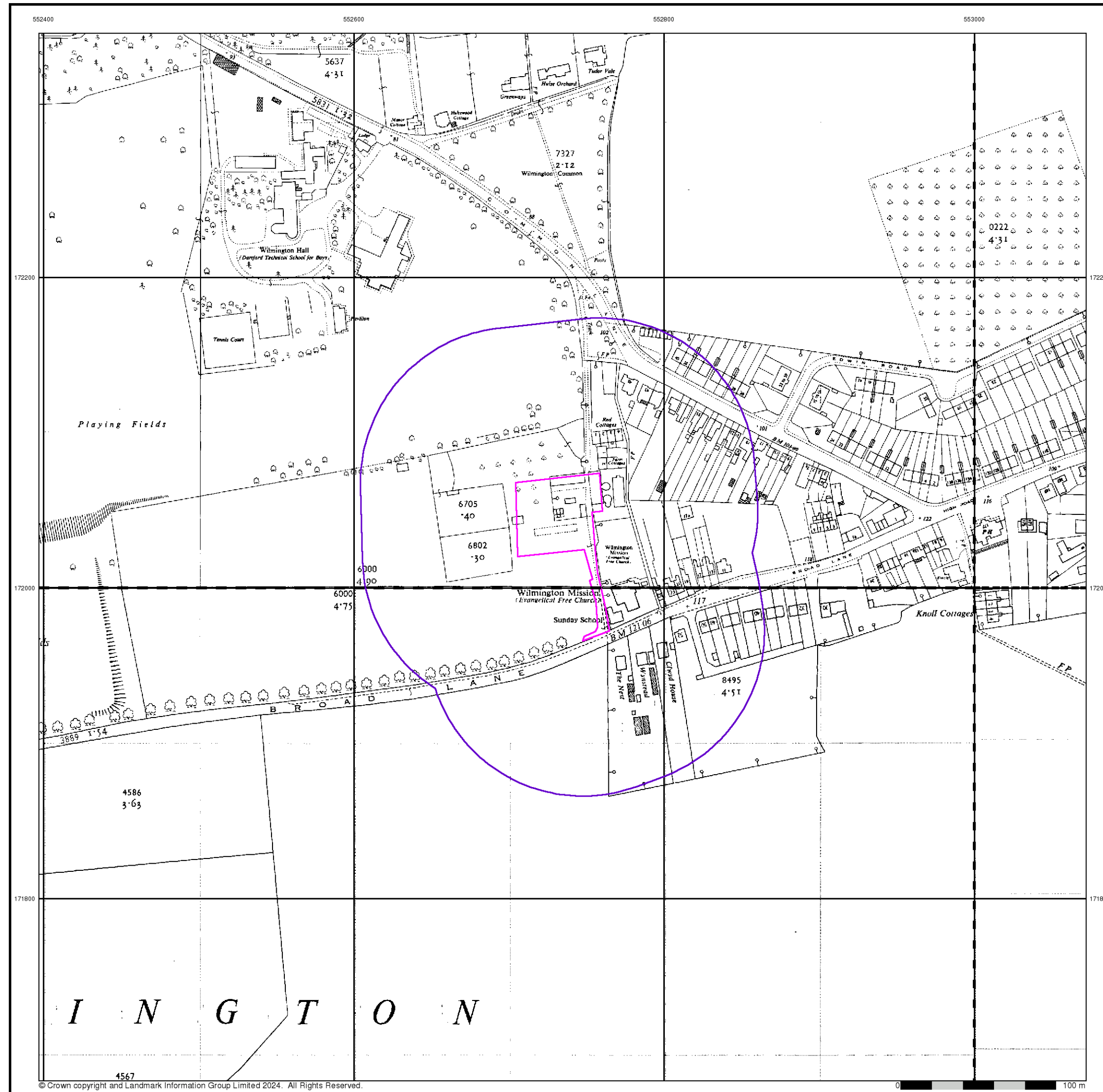
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 Slice: A
 Site Area (Ha): 0.29
 Search Buffer (m): 100

Site Details

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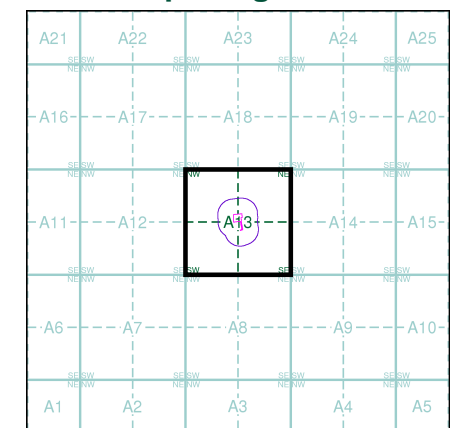
Ordnance Survey Plan
Published 1962
Source map scale - 1:2,500

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)

TQ5272 1962 1:2,500	TQ5372 1962 1:2,500
TQ5271 1962 1:2,500	TQ5371 1962 1:2,500

Historical Map - Segment A13



Order Details

Order Number: 338527426_1_1
 Customer Ref: 13238
 National Grid Reference: 552740, 172020
 Slice: A
 Site Area (Ha): 0.29
 Search Buffer (m): 100

Site Details

Wilmington Depot, Broad Lane, DARTFORD, DA2 7AQ



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 Fax: 0844 844 9951
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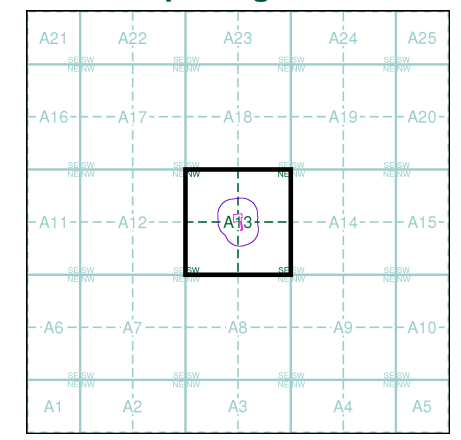
Ordnance Survey Plan
Published 1971 - 1972
Source map scale - 1:1,250

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Map Name(s) and Date(s)

TQ5272SW 1972 1:1,250	TQ5272SE 1971 1:1,250	TQ5372SW 1971 1:1,250
-----------------------------	-----------------------------	-----------------------------

Historical Map - Segment A13



Order Details

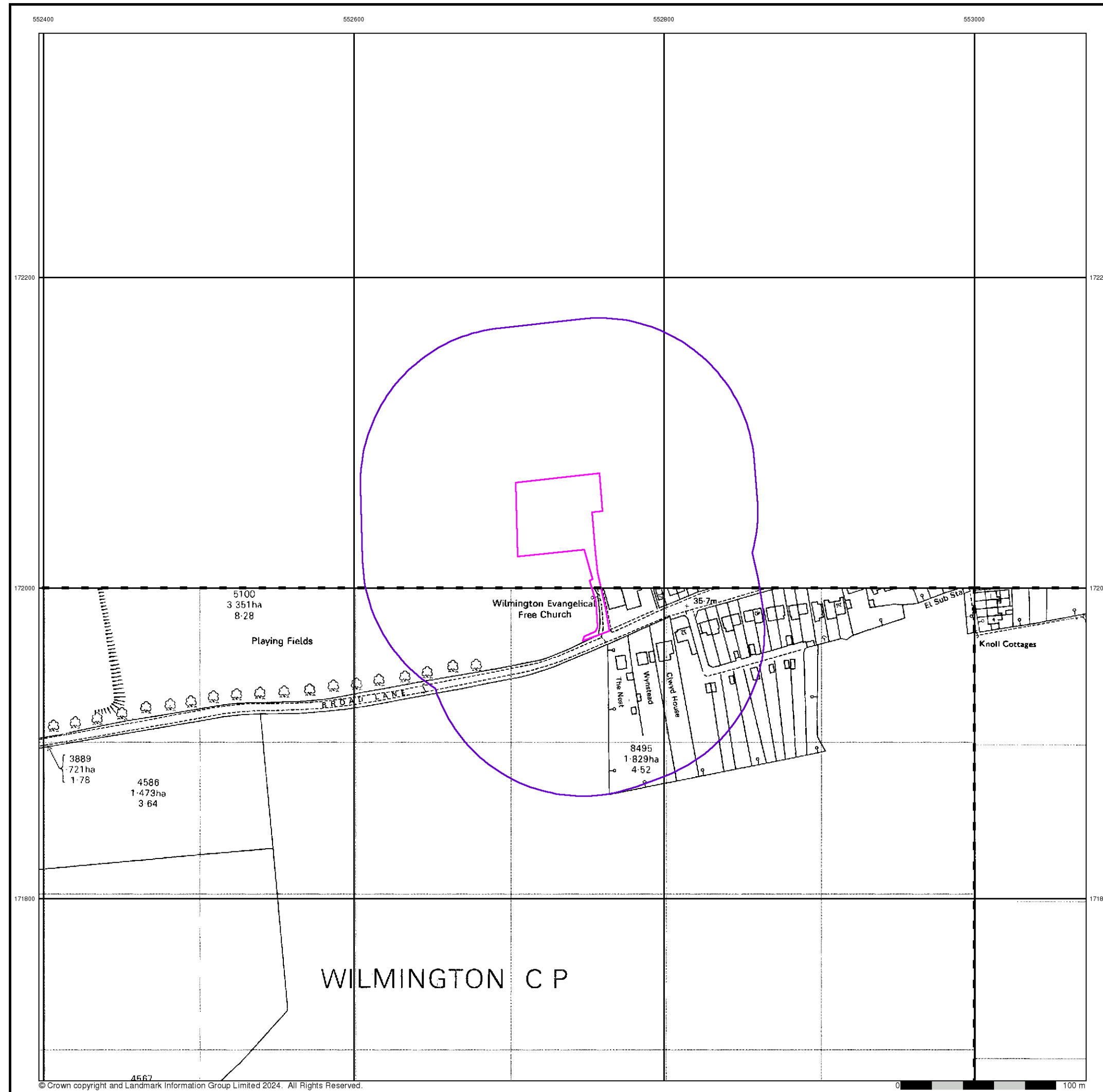
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 Search Buffer (m): 100

Site Details

Wilmington Depot, Broad Lane, DARTFORD, DA2 7AQ



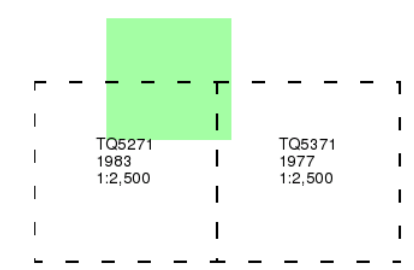
Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk



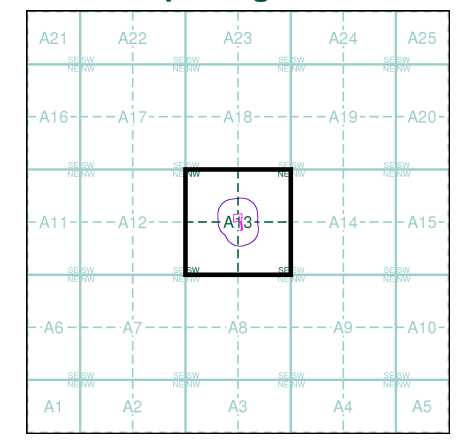
Ordnance Survey Plan
Published 1977 - 1983
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 338527426_1_1
 Customer Ref: 13238
 National Grid Reference: 552740, 172020
 Slice: A
 Site Area (Ha): 0.29
 Search Buffer (m): 100

Site Details

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552400

552600

552800

553000

172200

172200

172000

172000

171800

171800



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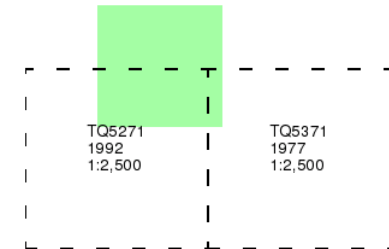
Additional SIMs

Published 1977 - 1992

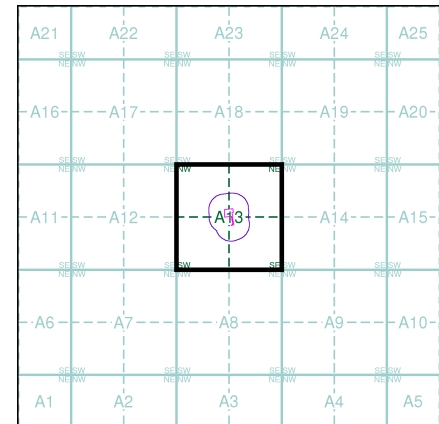
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

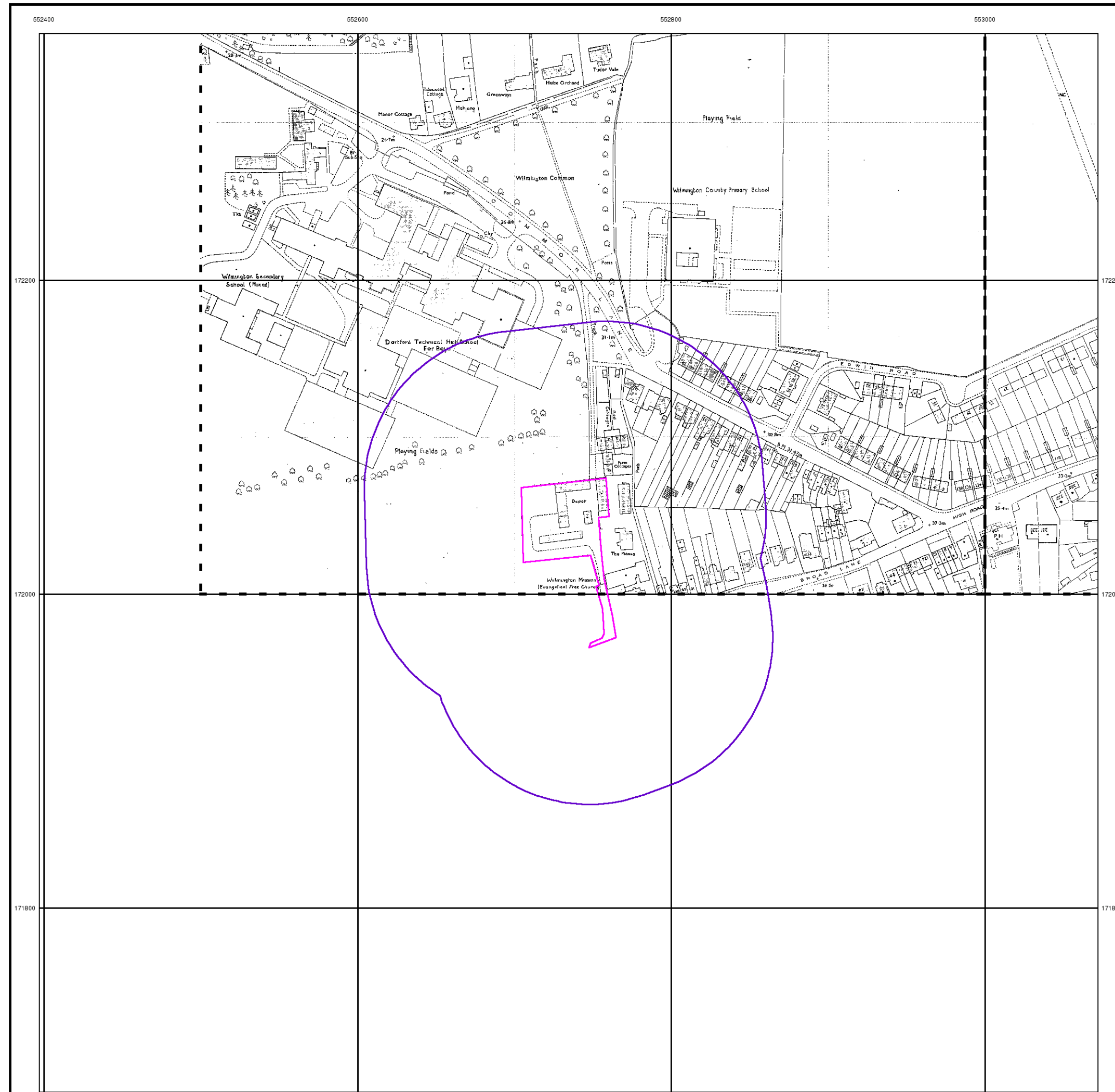
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 Search Buffer (m): 100

Site Details

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Additional SIMs

Published 1981

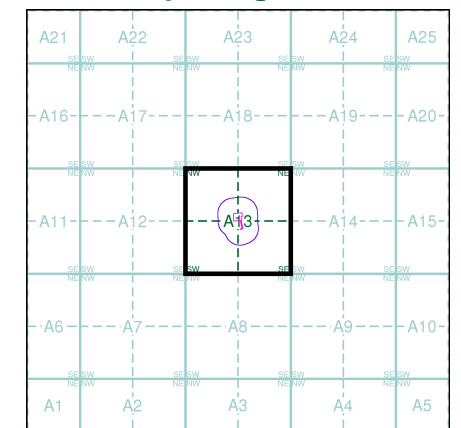
Source map scale - 1:1,250

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)

TQ5272SE 1981 1:1,250	TQ5372SW 1981 1:1,250
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Historical Map - Segment A13



Order Details

Order Number: 338527426_1_1
 Customer Ref: 13238
 National Grid Reference: 552740, 172020
 Slice: A
 Site Area (Ha): 0.29
 Search Buffer (m): 100

Site Details

Wilmington Depot, Broad Lane, DARTFORD, DA2 7AQ



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



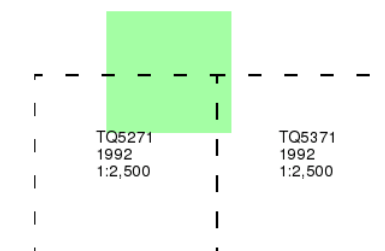
Large-Scale National Grid Data

Published 1992

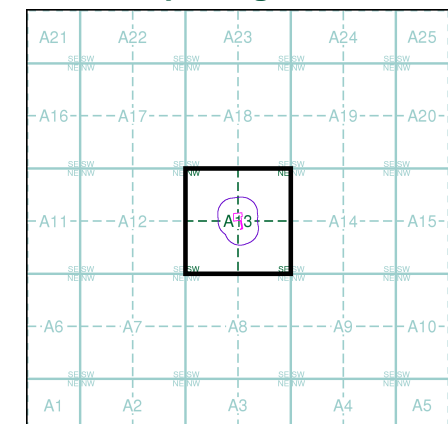
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

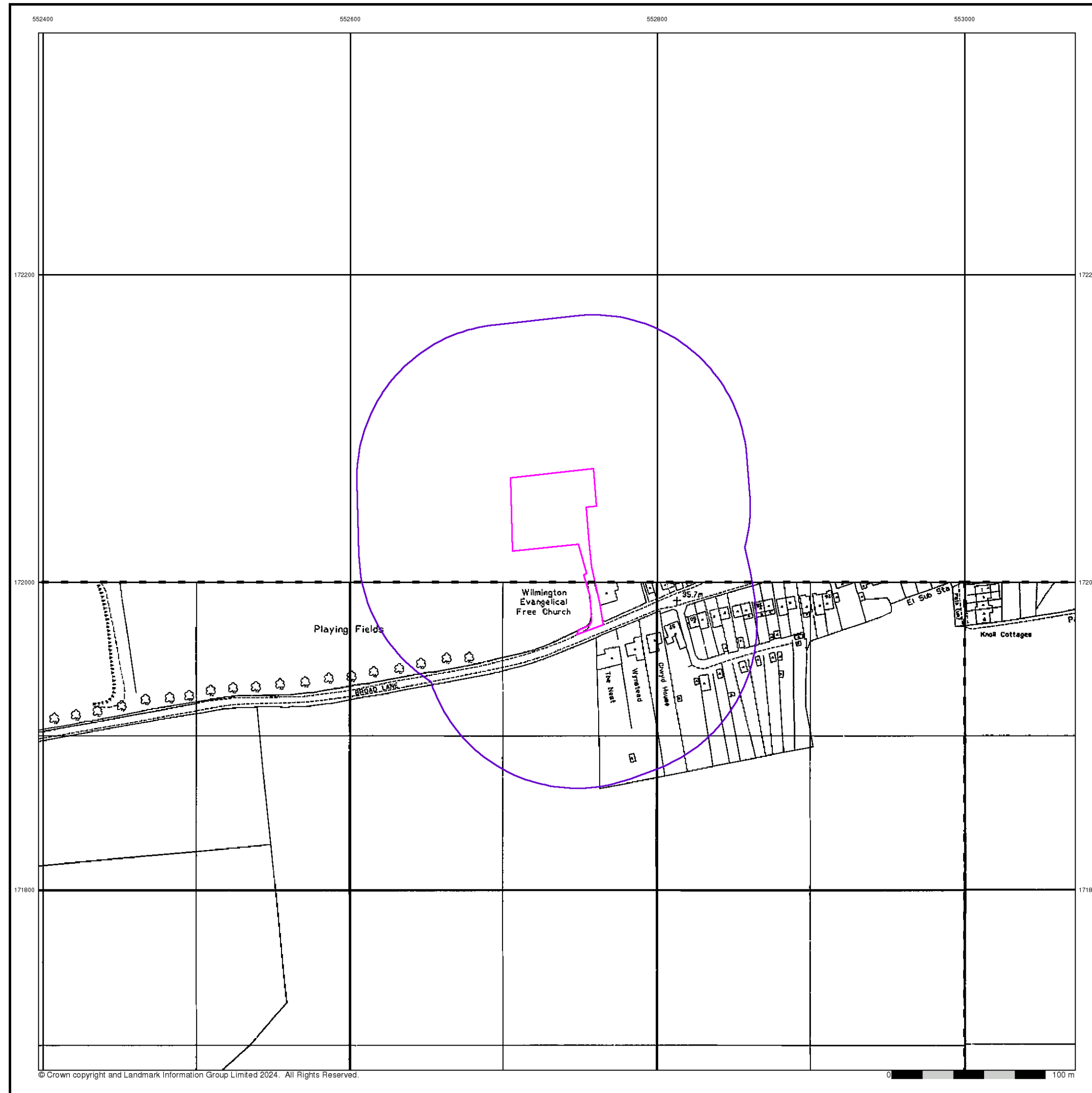
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 Search Buffer (m): 100

Site Details

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Large-Scale National Grid Data

Published 1992

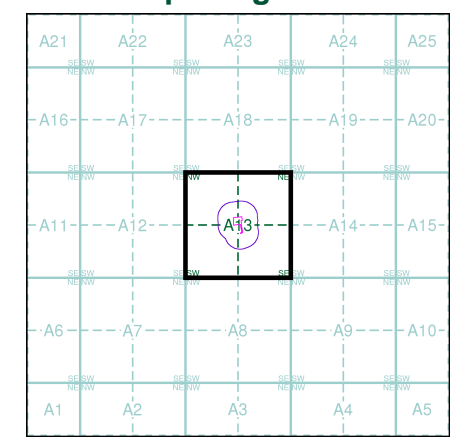
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

TQ5272SW 1992 1:1,250	TQ5272SE 1992 1:1,250	TQ5372SW 1992 1:1,250
-----------------------------	-----------------------------	-----------------------------

Historical Map - Segment A13



Order Details

Order Number: 338527426_1_1
 Customer Ref: 13238
 National Grid Reference: 552740, 172020
 Slice: A
 Site Area (Ha): 0.29
 Search Buffer (m): 100

Site Details

Wilmington Depot, Broad Lane, DARTFORD, DA2 7AQ



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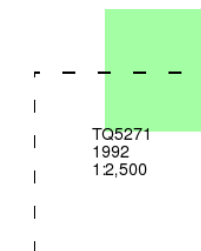
Large-Scale National Grid Data

Published 1992

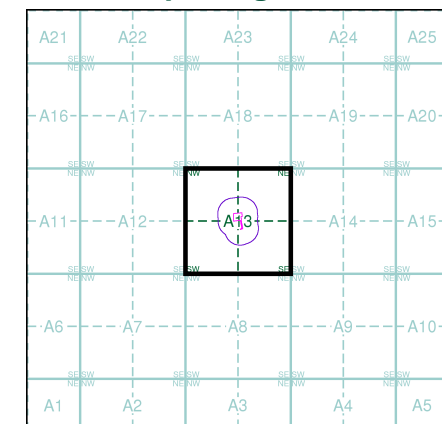
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



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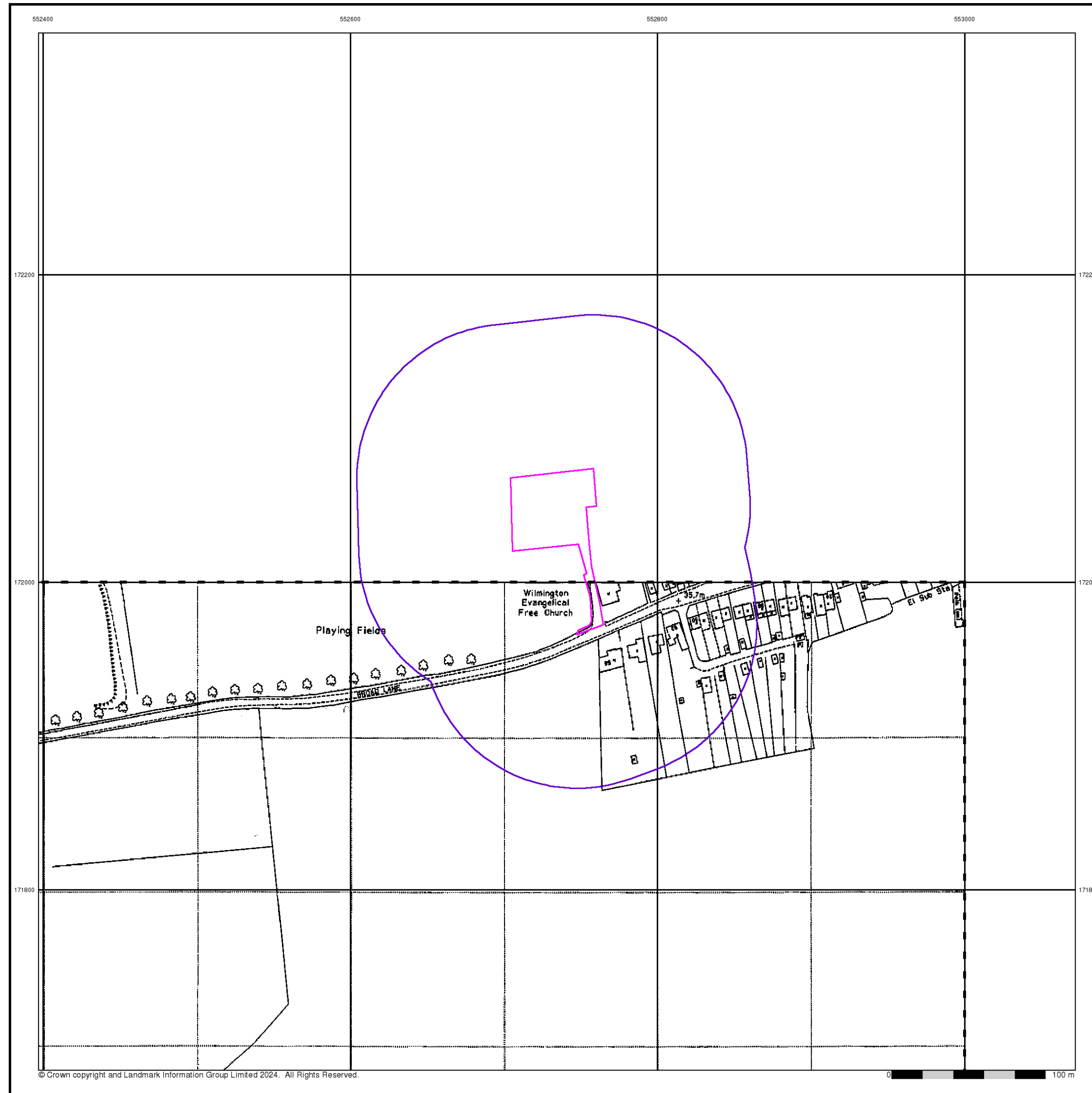
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Site Area (Ha): 0.29
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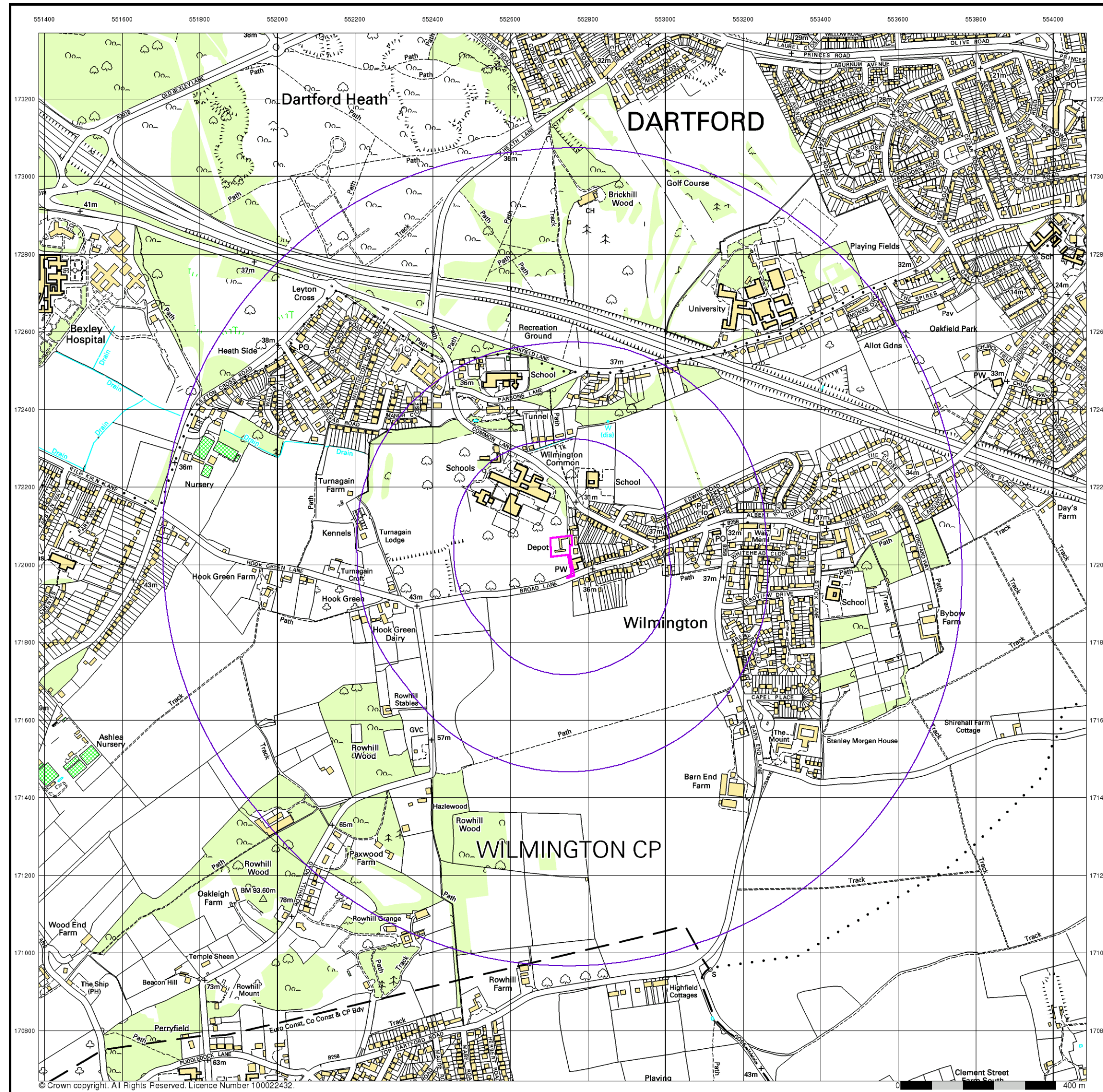
Site Details

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Web: www.envirocheck.co.uk

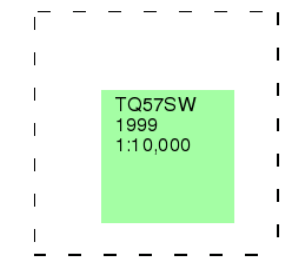




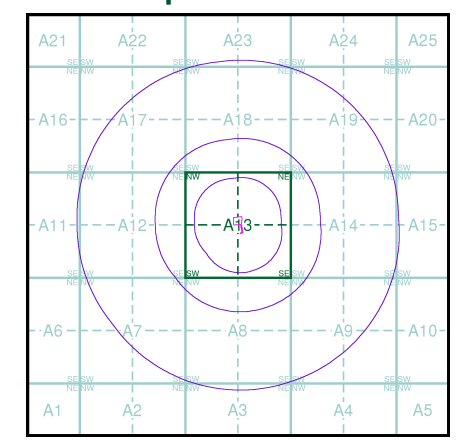
10k Raster Mapping
Published 1999
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

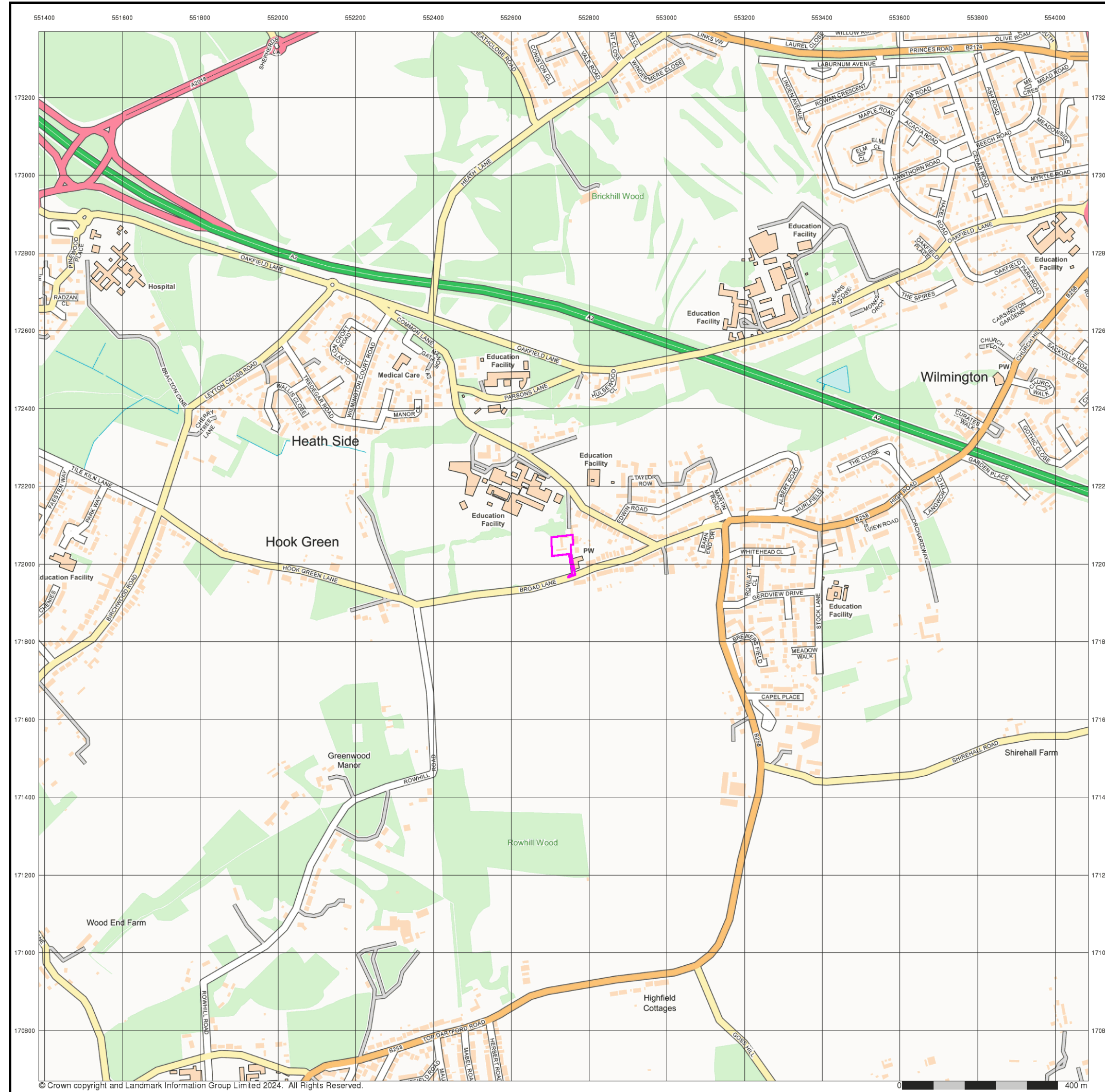
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 Customer Ref: 13238
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 Search Buffer (m): 1000

Site Details

Wilmington Depot, Broad Lane, DARTFORD, DA2 7AQ



Tel: 0844 844 9952
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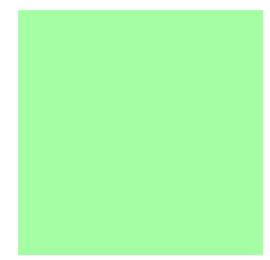
Street View

Published 2024

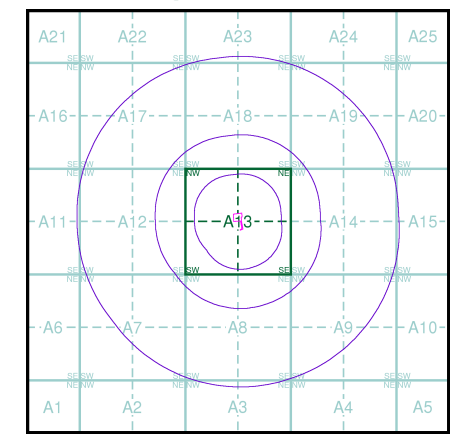
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Street View Map - Slice A



Order Details

Order Number: 338527426_1_1
 Customer Ref: 13238
 National Grid Reference: 552740, 172020
 Slice: A
 Site Area (Ha): 0.29
 Search Buffer (m): 1000

Site Details

Wilmington Depot, Broad Lane, DARTFORD, DA2 7AQ



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APPENDIX 3

ENVIROCHECK REPORT AND SITE SENSITIVITY MAPS



Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

338527426_1_1

Customer Reference:

13238

National Grid Reference:

552740, 172020

Slice:

A

Site Area (Ha):

0.29

Search Buffer (m):

1000

Site Details:

Wilmington Depot, Broad Lane

DARTFORD

DA2 7AQ

Client Details:

Mr P Johnson

Ground & Environmental Services Ltd

Unit 2, Montpelier Business Park

Dencora Way

Ashford

Kent

TN23 4FG



Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	10
Hazardous Substances	-
Geological	11
Industrial Land Use	15
Sensitive Land Use	18
Data Currency	19
Data Suppliers	26
Useful Contacts	27

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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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			n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1				6
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					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 2		Yes		
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 2				1
Water Abstractions	pg 2				(*16)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 6	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 7	2	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 7	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 7	Yes	n/a	n/a	n/a
Source Protection Zones	pg 7			2	2
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 7		7		4



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		2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
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					
Geological					
BGS 1:625,000 Solid Geology	pg 11	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 11				1
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability	pg 11	Yes	n/a	n/a	n/a
Man-Made Mining Cavities	pg 11				5
Natural Cavities	pg 12		1		3
Non Coal Mining Areas of Great Britain	pg 12	Yes	Yes	n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 13	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 13		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 13	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 13	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 14	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 14		Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 14	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a



Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 15		1	3	21
Fuel Station Entries					
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland	pg 18				3
Areas of Adopted Green Belt	pg 18	1			1
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	pg 18		1		
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NW)	0	1	552739 172025
1	Discharge Consents Operator: C J Cole Esq. Property Type: Undefined Or Other Location: Plot 2, Brise Yard, Rowhill Road, Wilmington, Dartford, Kent Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P04101 Permit Version: 1 Effective Date: 14th May 1992 Issued Date: 14th May 1992 Revocation Date: 31st March 1997 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Into Land Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	593	2	552370 171510
2	Discharge Consents Operator: E Williams Farmers Ltd Property Type: Mixed Farming Location: Barn End Farm, Wilmington, Dartford, Kent, Da2 7qa Authority: Environment Agency, Southern Region Catchment Area: Darent (NIRS) Reference: App/So/75k Permit Version: 1 Effective Date: 1st April 1999 Issued Date: 1st April 1999 Revocation Date: 12th February 2006 Discharge Type: Trade Discharge - Process Water Discharge Environment: Into Land Receiving Water: Into Land Status: Modified Groundwater Regulations Notice Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	686	2	553170 171420
3	Discharge Consents Operator: E Williams Farmers Ltd Property Type: Mixed Farming Location: Barn End Farm, Wilmington, Dartford, Kent, Da2 7qa Authority: Environment Agency, Southern Region Catchment Area: Darent (NIRS) Reference: App/So/75k Permit Version: 2 Effective Date: 13th February 2006 Issued Date: 13th February 2006 Revocation Date: 1st January 2011 Discharge Type: Trade Discharge - Process Water Discharge Environment: Into Land Receiving Water: Into Land Status: Varied Groundwater Regs Authorisation Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	709	2	553220 171430
4	Discharge Consents Operator: Mr & Mrs Woods Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Plot 1, Brise Yard, Wilmington, Kent Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P04690 Permit Version: 1 Effective Date: 2nd March 1993 Issued Date: 2nd March 1993 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Into Land Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	803	2	552150 171430



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	<p>Discharge Consents</p> <p>Operator: Mr & Mrs Timcke Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Plot 3, Woodcock Wood, Rowhill Road, Wilmington, Kent Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P05212 Permit Version: 1 Effective Date: 13th May 1994 Issued Date: 13th May 1994 Revocation Date: 31st March 1997 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Into Land Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m</p>	A7NW (SW)	900	2	552040 171410
5	<p>Discharge Consents</p> <p>Operator: Mr & Mrs Tillet Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Plot 3, Brise Yard, Rowhill Road, Wilmington, Kent Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P04552 Permit Version: 1 Effective Date: 7th January 1993 Issued Date: 7th January 1993 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Into Land Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m</p>	A7NW (SW)	938	2	552000 171400
	<p>Nearest Surface Water Feature</p>	A13NW (N)	230	-	552670 172297
6	<p>Substantiated Pollution Incident Register</p> <p>Authority: Environment Agency - South East Region, Kent & South London Area Incident Date: 26th October 2001 Incident Reference: 39377 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Oils - Diesel (Including Agricultural)</p>	A18SE (NE)	533	2	553050 172520
	<p>Water Abstractions</p> <p>Operator: The Secretary Of State For Health Licence Number: 37/093 Permit Version: 100 Location: Borehole At Bexley Hospital Authority: Environment Agency, Southern Region Abstraction: Hospitals: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Boldly Outlined On Licence Map Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 29th October 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A16NW (NW)	1521	2	551340 172740



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Thames Water Utilities Ltd Licence Number: 9/40/01/0118/Gr Permit Version: 100 Location: Wilmington Pumping Station, Dartford 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): 22730 Yearly Rate (m3): 6969018 Details: N/A Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 30th December 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A20NE (NE)	1526	2	554100 172800
	<p>Water Abstractions</p> <p>Operator: Thames Water Utilities Ltd Licence Number: 9/40/01/0118/Gr Permit Version: 102 Location: Borehole 1 At Wilmington Pumping Station, Dartford 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: N/A 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</p>	A20NE (NE)	1744	2	554327 172836
	<p>Water Abstractions</p> <p>Operator: Thames Water Utilities Ltd Licence Number: 9/40/01/0118/Gr Permit Version: 101 Location: Borehole 1 At Wilmington Pumping Station, Dartford 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: N/A 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</p>	A20NE (NE)	1744	2	554327 172836
	<p>Water Abstractions</p> <p>Operator: Thames Water Utilities Ltd Licence Number: 9/40/01/0118/Gr Permit Version: 102 Location: Borehole 2 At Wilmington Pumping Station, Dartford 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: N/A 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</p>	A20NE (NE)	1747	2	554319 172857



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Thames Water Utilities Ltd Licence Number: 9/40/01/0118/Gr Permit Version: 101 Location: Borehole 2 At Wilmington Pumping Station, Dartford 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: N/A 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</p>	A20NE (NE)	1747	2	554319 172857
	<p>Water Abstractions</p> <p>Operator: Thames Water Utilities Ltd Licence Number: 1/0118/ /GR Permit Version: Not Supplied Location: Pumping Station, WILMINGTON Authority: Environment Agency, Southern Region Abstraction: Public Water Supply Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 22730 Yearly Rate (m3): 6969018 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</p>	A20NE (NE)	1749	2	554320 172860
	<p>Water Abstractions</p> <p>Operator: Mr & Mrs K R Grassby Licence Number: 9/40/01/0060/Gr Permit Version: 100 Location: Well 2 At Ayers Place, Clement Street, Swanley, Kent Authority: Environment Agency, Southern Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Shown Edged Red On The Map. Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 21st June 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A5NE (SE)	1866	2	554100 170670
	<p>Water Abstractions</p> <p>Operator: Mr & Mrs K R Grassby Licence Number: 9/40/01/0060/Gr Permit Version: 100 Location: Well 3 At Ayers Place, Clement Street, Swanley, Kent Authority: Environment Agency, Southern Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Shown Edged Red On The Map. Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 21st June 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A5SW (SE)	1887	2	554070 170610



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Mr & Mrs K R Grassby Licence Number: 9/40/01/0060/Gr Permit Version: 100 Location: Well 1 At Ayers Place, Clement Street, Swanley, Kent Authority: Environment Agency, Southern Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 6 Yearly Rate (m3): 2032.1 Details: Shown Edged Red On The Map. Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 21st June 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A5SE (SE)	1915	2	554130 170630
	<p>Water Abstractions</p> <p>Operator: Samas Roneo Ltd Licence Number: 9/40/01/0160/G Permit Version: 100 Location: Borehole At Samas Roneo Ltd Authority: Environment Agency, Southern Region Abstraction: Other Industrial/Commercial/Public Services: General Washing/Process Washing 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: 8th December 1992 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	(E)	1949	2	554610 172680
	<p>Water Abstractions</p> <p>Operator: Samas Roneo Ltd Licence Number: 9/40/01/0160/G Permit Version: 100 Location: Borehole At Samas Roneo Ltd Authority: Environment Agency, Southern Region Abstraction: Other Industrial/Commercial/Public Services: Evaporative Cooling 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: 8th December 1992 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(E)	1949	2	554610 172680
	<p>Water Abstractions</p> <p>Operator: Samas Roneo Ltd Licence Number: 1/0160/ /G Permit Version: Not Supplied Location: Dartford Works , (Hawley Road), DARTFORD Authority: Environment Agency, Southern Region Abstraction: Industrial Cooling (Miscellaneous) Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 637 Yearly Rate (m3): 73645 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</p>	(E)	1952	2	554615 172675



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Samas Roneo Ltd Licence Number: 9/40/01/0160/G Permit Version: 100 Location: Borehole At Samas Roneo Ltd Authority: Environment Agency, Southern Region Abstraction: Chemicals: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 364 Yearly Rate (m3): 19639 Details: Additional Purpose: Industrial Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 8th December 1992 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	(E)	1954	2	554615 172680
	<p>Water Abstractions</p> <p>Operator: Samas Roneo Ltd Licence Number: 1/0160/B/G Permit Version: Not Supplied Location: Dartford Works, Hawley Road Authority: Environment Agency, Southern Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Pond or Lake Daily Rate (m3): 637 Yearly Rate (m3): 73645 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</p>	(E)	1955	2	554615 172685
	<p>Water Abstractions</p> <p>Operator: J.J. Barker Ltd Licence Number: 1/0006/ /SR Permit Version: Not Supplied Location: Hollands Farm, HAWLEY Authority: Environment Agency, Southern Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 1136 Yearly Rate (m3): 81828 Details: River Darent 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</p>	(E)	1957	2	554670 172490
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial: >90% Patchiness: <3m Superficial Thickness: <3m Superficial Recharge: High</p>	A13NE (NW)	0	3	552739 172025



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	A13SE (S)	0	3	552739 172000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Very Significant Risk - High Possibility	A13NE (NW)	0	3	552739 172025
	Groundwater Vulnerability - Soluble Rock Risk Classification: Very Significant Risk - High Possibility	A13SE (S)	0	3	552739 172000
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13NE (NW)	0	3	552739 172025
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NE (NW)	0	3	552739 172025
7	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.	A14SW (SE)	373	2	553113 171837
8	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.	A14SW (SE)	373	2	553114 171838
9	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.	A17SE (NW)	741	2	552126 172531
10	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.	A19SE (NE)	870	2	553569 172388
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
11	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13NW (N)	230	4	552670 172297



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13NW (N)	233	4	552676 172299
13	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13NW (N)	238	4	552698 172306
14	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13NW (N)	241	4	552711 172311
15	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13NW (N)	242	4	552715 172312
16	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13NW (N)	244	4	552725 172316
17	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13NE (N)	249	4	552744 172322
18	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 105.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12NE (NW)	525	4	552228 172287
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 265.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12NE (NW)	632	4	552120 172307
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A19SW (NE)	745	4	553403 172448



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 35.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A19SW (NE)	757	4	553407 172462



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Dartford Borough Council - Has no landfill data to supply		0	5	552739 172025
	Local Authority Landfill Coverage Name: Kent County Council - Had landfill data but passed it to the relevant environment agency		0	6	552739 172025
	Local Authority Landfill Coverage Name: Sevenoaks District Council - Has no landfill data to supply		944	7	552971 171050



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: White Chalk Subgroup	A13NE (NW)	0	1	552739 172025
22	BGS Recorded Mineral Sites Site Name: Rowhill Grange Denehole Location: Hextable, Swanley, Kent Source: British Geological Survey, National Geoscience Information Service Reference: 220406 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	955	1	552186 171194
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Mining Instability Mining Evidence: Conclusive Rock Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SE (S)	0	-	552739 172000
	Man-Made Mining Cavities Easting: 553100 Northing: 172700 Distance: 714 Quadrant Reference: A19 Quadrant Reference: NW Bearing Ref: NE Cavity Type: Chalkwell Commodity: Chalk Solid Geology Detail: Thanet Sand Formation, Chalk Group Superficial Geology: Boyn Hill Gravel Detail:	A19NW (NE)	714	8	553100 172700
	Man-Made Mining Cavities Easting: 552400 Northing: 171300 Distance: 752 Quadrant Reference: A8 Quadrant Reference: SW Bearing Ref: SW Cavity Type: 2x Shafts-Probable Deneholes Commodity: Chalk Solid Geology Detail: Thanet Sand Formation, Chalk Group Superficial Geology: No Details Detail:	A8SW (SW)	752	8	552400 171300
	Man-Made Mining Cavities Easting: 552300 Northing: 171300 Distance: 803 Quadrant Reference: A7 Quadrant Reference: SE Bearing Ref: SW Cavity Type: Shaft Collapse-Probable Denehole Commodity: Chalk Solid Geology Detail: Thanet Sand Formation, Upper Chalk Formation Superficial Geology: No Details Detail:	A7SE (SW)	803	8	552300 171300
	Man-Made Mining Cavities Easting: 553400 Northing: 172700 Distance: 897 Quadrant Reference: A19 Quadrant Reference: NW Bearing Ref: NE Cavity Type: 2x Deneholes Commodity: Chalk Solid Geology Detail: Thanet Sand Formation, Chalk Group Superficial Geology: Boyn Hill Gravel Detail:	A19NW (NE)	897	8	553400 172700



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Man-Made Mining Cavities Easting: 553200 Northing: 172900 Distance: 937 Quadrant Reference: A19 Quadrant Reference: NW Bearing Ref: NE Cavity Type: Chalkwell/Denehole Commodity: Chalk Solid Geology Detail: Thanet Sand Formation, Chalk Group Superficial Geology: Boyn Hill Gravel Detail:	A19NW (NE)	937	8	553200 172900
	Natural Cavities Easting: 552700 Northing: 171900 Distance: 82 Quadrant Reference: A13 Quadrant Reference: SW Bearing Ref: S Cavity Type: Swallow Hole x 4 Solid Geology Detail: Chalk Group, Thanet Sand Formation Superficial Geology: Boyne Hill Gravel, Head Detail:	A13SW (S)	82	8	552700 171900
	Natural Cavities Easting: 552080 Northing: 171610 Distance: 749 Quadrant Reference: A7 Quadrant Reference: NE Bearing Ref: SW Cavity Type: Solution Pipe x 22 Solid Geology Detail: Chalk Group, Lambeth Group, Thanet Sand Formation Superficial Geology: Head Detail:	A7NE (SW)	749	8	552080 171610
	Natural Cavities Easting: 553350 Northing: 171400 Distance: 819 Quadrant Reference: A9 Quadrant Reference: NW Bearing Ref: SE Cavity Type: Swallow Hole x 2 Solid Geology Detail: Chalk Group Superficial Geology: No Details Detail:	A9NW (SE)	819	8	553350 171400
	Natural Cavities Easting: 553340 Northing: 172800 Distance: 931 Quadrant Reference: A19 Quadrant Reference: NW Bearing Ref: NE Cavity Type: Solution Pipe x 12 Solid Geology Detail: Chalk Group, Thanet Sand Formation Superficial Geology: Boyne Hill Gravel, Head Detail:	A19NW (NE)	931	8	553340 172800
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	552739 172025
	Non Coal Mining Areas of Great Britain Risk: Likely Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	75	1	552707 171901
	Non Coal Mining Areas of Great Britain Risk: Highly Likely Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	125	1	552693 171853
	Non Coal Mining Areas of Great Britain Risk: Highly Likely Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	172	1	552795 171802
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	213	1	552495 171990



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	235	1	552997 172009
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	552739 172025
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	552739 172025
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	223	1	552499 172155
	Potential for Ground Dissolution Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	552739 172025
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	5	1	552701 172019
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	34	1	552702 172104
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	40	1	552714 171940
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	101	1	552687 172167
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	114	1	552883 172006
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	118	1	552880 172038
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	130	1	552873 171902
	Potential for Ground Dissolution Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	149	1	552907 172072
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	174	1	552867 172209
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	192	1	552514 172088
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	213	1	552495 171990
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	552739 172025
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	5	1	552701 172019
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	101	1	552687 172167
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	118	1	552880 172038
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	213	1	552495 171990

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Potential for Running Sand Ground Stability Hazards</p> <p>Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service</p>	A13NE (NW)	0	1	552739 172025
	<p>Potential for Running Sand Ground Stability Hazards</p> <p>Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service</p>	A13SW (W)	5	1	552701 172019
	<p>Potential for Running Sand Ground Stability Hazards</p> <p>Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service</p>	A13SW (SW)	61	1	552690 171946
	<p>Potential for Running Sand Ground Stability Hazards</p> <p>Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service</p>	A13NW (N)	101	1	552687 172167
	<p>Potential for Running Sand Ground Stability Hazards</p> <p>Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service</p>	A13NE (E)	118	1	552880 172038
	<p>Potential for Running Sand Ground Stability Hazards</p> <p>Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service</p>	A13SE (SE)	130	1	552873 171902
	<p>Potential for Running Sand Ground Stability Hazards</p> <p>Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service</p>	A13SW (W)	213	1	552495 171990
	<p>Potential for Shrinking or Swelling Clay Ground Stability Hazards</p> <p>Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service</p>	A13NE (NW)	0	1	552739 172025
	<p>Potential for Shrinking or Swelling Clay Ground Stability Hazards</p> <p>Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service</p>	A13NW (W)	6	1	552700 172026
	<p>Radon Potential - Radon Affected Areas</p> <p>Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service</p>	A13NE (NW)	0	1	552739 172025
	<p>Radon Potential - Radon Protection Measures</p> <p>Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service</p>	A13NE (NW)	0	1	552739 172025



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	<p>Contemporary Trade Directory Entries</p> <p>Name: Plants Parts (Uk) Ltd Location: 1, Common Lane, Dartford, Kent, DA2 7DE Classification: Machine Tool Accessories & Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A13NE (E)	152	-	552912 172056
24	<p>Contemporary Trade Directory Entries</p> <p>Name: Bakers Plumbing Ltd Location: 223, High Road, Dartford, DA2 7BU Classification: Power Flushing Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A13NE (E)	311	-	553070 172074
25	<p>Contemporary Trade Directory Entries</p> <p>Name: Ashdown Digital Systems Location: 18, Manor Close, Wilmington, Dartford, Kent, DA2 7AR Classification: Photocopiers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	466	-	552351 172371
26	<p>Contemporary Trade Directory Entries</p> <p>Name: B P Services Location: 61, Brewers Field, Dartford, DA2 7PL Classification: Boilers - Servicing, Replacements & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14SW (SE)	471	-	553203 171802
27	<p>Contemporary Trade Directory Entries</p> <p>Name: Ovenu Location: Heath Lodge, Common Lane, Dartford, Kent, DA2 7BD Classification: Oven cleaning Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A18SW (NW)	506	-	552478 172520
28	<p>Contemporary Trade Directory Entries</p> <p>Name: E Williams (Farmers) Ltd Location: Barn End Farm Bungalow, Barn End Lane, Dartford, DA2 7QA Classification: Pet Foods & Animal Feeds Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A9NW (SE)	553	-	553168 171595
29	<p>Contemporary Trade Directory Entries</p> <p>Name: Jnequinehoofcare Location: 30, Edwin Road, Dartford, DA2 7DJ Classification: Farriers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14NW (NE)	556	-	553284 172255
30	<p>Contemporary Trade Directory Entries</p> <p>Name: Speed & Street Ltd Location: 115, High Road, Dartford, DA2 7DP Classification: Mechanical Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14NW (E)	623	-	553383 172069
31	<p>Contemporary Trade Directory Entries</p> <p>Name: La-Kyra Location: 61, Tredegar Road, Dartford, DA2 7AY Classification: Vehicle Inspection Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	694	-	552116 172435
31	<p>Contemporary Trade Directory Entries</p> <p>Name: Sureguard Cleaning Co Location: Burnt Ash, Tredegar Road, Dartford, DA2 7AZ Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	720	-	552078 172421
32	<p>Contemporary Trade Directory Entries</p> <p>Name: Climperhurst Location: Oak Cottage, Oakfield Lane, Dartford, DA1 2TE Classification: Air Conditioning & Refrigeration Contractors Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address</p>	A19SW (NE)	735	-	553290 172582
33	<p>Contemporary Trade Directory Entries</p> <p>Name: Marshall Motor Company Location: 12, Wallis Close, Dartford, DA2 7BE Classification: Car Dealers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A17SW (NW)	822	-	551955 172404



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	<p>Contemporary Trade Directory Entries</p> <p>Name: Smart Solutions Location: 12, Wallis Close, Dartford, DA2 7BE Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A17SW (NW)	822	-	551956 172405
34	<p>Contemporary Trade Directory Entries</p> <p>Name: London Crane Hire & Engineering Services Ltd Location: 41, Leyton Cross Road, Dartford, DA2 7AW Classification: Crane Hire, Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A17SW (NW)	877	-	551931 172480
35	<p>Contemporary Trade Directory Entries</p> <p>Name: A & R Engineering Location: Bybow Farm, Orchard Way, Dartford, DA2 7ER Classification: Precision Engineers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p>	A14SE (E)	877	-	553636 171882
36	<p>Contemporary Trade Directory Entries</p> <p>Name: Goler Graphics Location: 12, Orchard Way, Dartford, DA2 7ER Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14NE (E)	881	-	553642 172041
37	<p>Contemporary Trade Directory Entries</p> <p>Name: K & D Location: Unit 9 Orchard Way, Dartford, Kent, DA2 7ER Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location</p>	A14NE (E)	885	-	553644 172092
37	<p>Contemporary Trade Directory Entries</p> <p>Name: Les Monk Location: 20, Langworth Close, Dartford, DA2 7ET Classification: Boilers - Servicing, Replacements & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14NE (E)	901	-	553659 172116
38	<p>Contemporary Trade Directory Entries</p> <p>Name: B & C Cleaning Services Location: Bracknell, Oakfield Lane, Dartford, DA1 2TF Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A19SE (NE)	899	-	553417 172686
39	<p>Contemporary Trade Directory Entries</p> <p>Name: Pure Solutions South East Ltd Location: Unit 20 Bybow Business Park, Orchard Way Wilmington, Dartford, Kent, DA2 7ER Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Manually positioned within the geographical locality</p>	A14SE (E)	904	-	553656 171829
39	<p>Contemporary Trade Directory Entries</p> <p>Name: Hawley Cleaning Location: Unit 20, Bybow Farm, Orchard Way, Wilmington, DA2 7ER Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14SE (E)	905	-	553657 171824
39	<p>Contemporary Trade Directory Entries</p> <p>Name: X L Location: Bybow Farm, Orchard Way, Dartford, Kent, DA2 7ER Classification: Plastics - Injection Moulding Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A14SE (E)	924	-	553681 171856
39	<p>Contemporary Trade Directory Entries</p> <p>Name: 4 Rings Ltd Location: Unit A/2, Bybow Farm, Orchard Way, Dartford, DA2 7ER Classification: Car Engine Tuning & Diagnostic Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14SE (E)	925	-	553682 171857



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
40	Contemporary Trade Directory Entries Name: Digiprint Systems Ltd Location: 52, Leyton Cross Road, Dartford, Kent, DA2 7AW Classification: Photocopiers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	939	-	551838 172427
41	Contemporary Trade Directory Entries Name: K & D Design & Build Ltd Location: Unit 15, Bybow Farm, Orchard Way, Wilmington, DA2 7ER Classification: Architectural Woodwork Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	949	-	553699 171809



Sensitive Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	Ancient Woodland Name: Rowhill/Hazel/Pax Woods Reference: 1498453 Area(m ²): 113658.39 Type: Plantation on Ancient Woodland	A12SE (SW)	555	9	552256 171696
43	Ancient Woodland Name: Not Supplied Reference: 1498398 Area(m ²): 14894.3 Type: Ancient and Semi-Natural Woodland	A8NW (SW)	563	9	552476 171473
44	Ancient Woodland Name: Rowhill/Hazel/Pax Woods Reference: 1498452 Area(m ²): 30151.88 Type: Plantation on Ancient Woodland	A7NE (SW)	713	9	552286 171424
45	Areas of Adopted Green Belt Authority: Dartford Borough Council Plan Name: Proposal Map Status: Adopted Plan Date: 17th July 2017	A13NE (S)	0	10	552739 172023
46	Areas of Adopted Green Belt Authority: Sevenoaks District Council Plan Name: Proposal Map Status: Adopted Plan Date: 17th February 2015	A8SE (S)	945	7	552983 171051
47	Nitrate Vulnerable Zones Name: North Kent Description: Groundwater Source: Environment Agency, Head Office	A13SE (S)	7	3	552761 171964



Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office London Borough of Havering - Environmental Health Department Sevenoaks District Council - Environmental Health Department Thurrock Borough Council - Environmental Health Department Dartford Borough Council - Environmental Health Department London Borough of Bexley - Environmental Health Department London Borough of Bromley - Environmental Health Department	November 2023 October 2017 October 2017 October 2017 September 2017 September 2017 September 2017	Annually Annual Rolling Update Annual Rolling Update Annually Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Southern Region Environment Agency - Thames Region	January 2024 January 2024	Quarterly Quarterly
Enforcement and Prohibition Notices Environment Agency - Anglian Region Environment Agency - Southern Region Environment Agency - Thames Region	March 2013 March 2013 March 2013	
Integrated Pollution Controls Environment Agency - Anglian Region Environment Agency - Southern Region Environment Agency - Thames Region	January 2009 January 2009 January 2009	
Integrated Pollution Prevention And Control Environment Agency - Anglian Region Environment Agency - South East Region - Kent & South London Area Environment Agency - South East Region - North East Thames Area Environment Agency - Southern Region Environment Agency - Thames Region	October 2023 October 2023 October 2023 October 2023 October 2023	Quarterly Quarterly Quarterly Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control London Borough of Havering - Environmental Health Department Thurrock Borough Council - Environmental Health Department London Borough of Bromley - Environmental Health Department London Borough of Bexley - Environmental Health Department London Port Health Authority - Environmental Services Dartford Borough Council - Environmental Health Department Sevenoaks District Council - Environmental Health Department	April 2015 February 2015 July 2015 March 2015 October 2014 September 2014 September 2014	Variable Variable Variable Variable Variable Variable Variable
Local Authority Pollution Prevention and Controls London Borough of Havering - Environmental Health Department London Port Health Authority - Environmental Services Thurrock Borough Council - Environmental Health Department London Borough of Bromley - Environmental Health Department London Borough of Bexley - Environmental Health Department Dartford Borough Council - Environmental Health Department Sevenoaks District Council - Environmental Health Department	April 2015 December 2020 February 2015 July 2015 March 2015 September 2014 September 2014	Annual Rolling Update Annual Rolling Update Not Applicable Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements London Borough of Havering - Environmental Health Department Thurrock Borough Council - Environmental Health Department London Borough of Bromley - Environmental Health Department London Borough of Bexley - Environmental Health Department London Port Health Authority - Environmental Services Dartford Borough Council - Environmental Health Department Sevenoaks District Council - Environmental Health Department	April 2015 February 2015 July 2015 March 2015 October 2014 September 2014 September 2014	Variable Variable Variable Variable Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	December 2023	
Pollution Incidents to Controlled Waters Environment Agency - Southern Region Environment Agency - Thames Region	December 1999 September 1999	



Agency & Hydrological	Version	Update Cycle
Prosecutions Relating to Authorised Processes Environment Agency - Anglian Region Environment Agency - Southern Region Environment Agency - Thames Region	July 2015 July 2015 July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - Anglian Region Environment Agency - Southern Region Environment Agency - Thames Region	March 2013 March 2013 March 2013	
Registered Radioactive Substances Environment Agency - Anglian Region Environment Agency - Southern Region Environment Agency - Thames Region Environment Agency - Head Office	June 2016 June 2016 June 2016 May 2023	As notified As notified As notified Quarterly
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	April 2012	
River Quality Chemistry Sampling Points Environment Agency - Head Office	April 2012	
Substantiated Pollution Incident Register Environment Agency - Anglian Region - Eastern Area Environment Agency - South East Region - Kent & South London Area Environment Agency - South East Region - North East Thames Area Environment Agency - Southern Region - Kent Area Environment Agency - Southern Region - Kent and East Sussex Environment Agency - Thames Region - North East Area Environment Agency - Thames Region - South East Area	January 2024 January 2024 January 2024 January 2024 January 2024 January 2024 January 2024	Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly
Water Abstractions Environment Agency - Southern Region Environment Agency - Thames Region	October 2023 October 2023	Quarterly Quarterly
Water Industry Act Referrals Environment Agency - Anglian Region Environment Agency - Southern Region Environment Agency - Thames Region	October 2017 October 2017 October 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	As notified
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	As notified
Source Protection Zones Environment Agency - Head Office	September 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2023	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	January 2024	Quarterly



Data Currency

Agency & Hydrological	Version	Update Cycle
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	January 2024	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified



Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	July 2023	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Anglian Region Environment Agency - Southern Region Environment Agency - Thames Region	January 2009 January 2009 January 2009	Not Applicable Not Applicable Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Anglian Region - Eastern Area Environment Agency - South East Region - Kent & South London Area Environment Agency - South East Region - North East Thames Area Environment Agency - Southern Region - Kent Area Environment Agency - Southern Region - Kent and East Sussex Environment Agency - Thames Region - North East Area Environment Agency - Thames Region - South East Area	January 2024 January 2024 January 2024 January 2024 January 2024 January 2024 January 2024	Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Eastern Area Environment Agency - South East Region - Kent & South London Area Environment Agency - South East Region - North East Thames Area Environment Agency - Southern Region - Kent Area Environment Agency - Southern Region - Kent and East Sussex Environment Agency - Thames Region - North East Area Environment Agency - Thames Region - South East Area	January 2023 January 2023 January 2023 January 2023 January 2023 January 2023 January 2023	Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Dartford Borough Council - Environmental Health Department Kent County Council - Waste Management Group London Borough of Bexley - Environmental Health Department London Borough of Bromley - Environmental Health Department London Borough of Havering - Environmental Health Department Sevenoaks District Council Thurrock Borough Council - Environmental Health Department	February 2003 February 2003 February 2003 February 2003 February 2003 February 2003 February 2003	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Dartford Borough Council - Environmental Health Department Kent County Council - Waste Management Group London Borough of Bexley - Environmental Health Department London Borough of Bromley - Environmental Health Department London Borough of Havering - Environmental Health Department Sevenoaks District Council Thurrock Borough Council - Environmental Health Department	October 2018 October 2018 October 2018 October 2018 October 2018 October 2018 October 2018	
Registered Landfill Sites Environment Agency - Anglian Region - Eastern Area Environment Agency - Southern Region - Kent Area Environment Agency - Southern Region - Kent and East Sussex Environment Agency - Thames Region - North East Area Environment Agency - Thames Region - South East Area	March 2006 March 2006 March 2006 March 2006 March 2006	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - Anglian Region - Eastern Area Environment Agency - Southern Region - Kent Area Environment Agency - Southern Region - Kent and East Sussex Environment Agency - Thames Region - North East Area Environment Agency - Thames Region - South East Area	April 2018 April 2018 April 2018 April 2018 April 2018	



Waste	Version	Update Cycle
Registered Waste Treatment or Disposal Sites Environment Agency - Anglian Region - Eastern Area Environment Agency - Southern Region - Kent Area Environment Agency - Southern Region - Kent and East Sussex Environment Agency - Thames Region - North East Area Environment Agency - Thames Region - South East Area	June 2015 June 2015 June 2015 June 2015 June 2015	
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	March 2023	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Thurrock Borough Council - Development Control London Borough of Bromley London Borough of Havering - Planning Department London Port Health Authority - Environmental Services London Borough of Bexley - Development Control Dartford Borough Council Sevenoaks District Council Kent County Council	December 2015 February 2016 February 2023 January 2008 January 2016 June 2023 June 2023 May 2023	Variable Variable Variable Annual Rolling Update Variable Variable Variable Variable
Planning Hazardous Substance Consents Thurrock Borough Council - Development Control London Borough of Bromley London Borough of Havering - Planning Department Sevenoaks District Council London Port Health Authority - Environmental Services Dartford Borough Council Kent County Council London Borough of Bexley - Development Control	December 2015 February 2016 February 2016 February 2016 January 2008 January 2016 January 2016 January 2016	Variable Variable Variable Variable Annual Rolling Update Variable Variable Variable





Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	January 2024	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	October 2023	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	October 2023	Annually
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	October 2023	Quarterly
Fuel Station Entries Catalist Ltd - Experian	February 2024	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Underground Electrical Cables National Grid	February 2023	Bi-Annually



Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	October 2023	Bi-Annually
Areas of Adopted Green Belt Dartford Borough Council London Borough of Bexley - Development Control London Borough of Bromley London Borough of Havering - Planning Department Sevenoaks District Council Thurrock Borough Council - Development Control	August 2023 August 2023 August 2023 August 2023 August 2023 August 2023	Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly
Areas of Unadopted Green Belt Dartford Borough Council London Borough of Bexley - Development Control London Borough of Bromley London Borough of Havering - Planning Department Sevenoaks District Council Thurrock Borough Council - Development Control	August 2023 August 2023 August 2023 August 2023 August 2023 August 2023	Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural England	November 2023	Bi-Annually
Environmentally Sensitive Areas Natural England	August 2023	
Forest Parks Forestry Commission	May 2023	Not Applicable
Local Nature Reserves Natural England	February 2024	Bi-Annually
Marine Nature Reserves Natural England	February 2024	Bi-Annually
National Nature Reserves Natural England	February 2024	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2023	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 March 2023	Bi-Annually
Ramsar Sites Natural England	February 2024	Bi-Annually
Sites of Special Scientific Interest Natural England	November 2023	Bi-Annually
Special Areas of Conservation Natural England	October 2023	Bi-Annually
Special Protection Areas Natural England	October 2023	Bi-Annually

A selection of organisations who provide data within this report

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



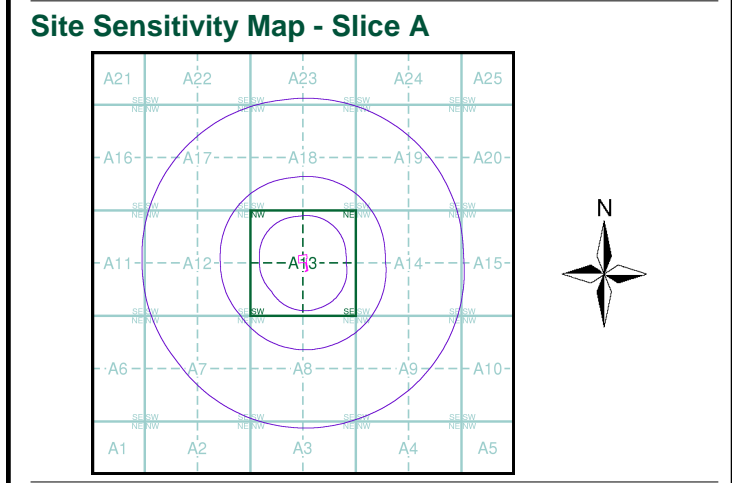
Useful Contacts

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	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
4	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	Dartford Borough Council - Environmental Health Department Civic Centre, Home Gardens, Dartford, Kent, DA1 1DR	Telephone: 01322 343233 Fax: 01322 343963 Website: www.dartford.gov.uk
6	Kent County Council - Waste Management Group Block H, The Forstal, Beddow Way, Aylesford, Kent, ME20 7BT	Telephone: 01622 605976 Website: www.kent.gov.uk
7	Sevenoaks District Council Council Offices, Argyle Road, Sevenoaks, Kent, TN13 1HG	Telephone: 01732 227000 Fax: 01732 742339 Website: www.sevenoaks.gov.uk
8	Stantec UK Ltd Caversham Bridge House, Waterman Place, Reading, RG1 8DN	Telephone: 0118 950 0761 Email: pba.reading@stantec.com Website: www.stantec.com
9	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
10	Dartford Borough Council Civic Centre, Home Gardens, Dartford, Kent, DA1 1DR	Telephone: 01322 343434 Fax: 01322 343047 Website: www.dartford.gov.uk
11	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.



- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Prosecution Relating to Authorised Processes
 - Prosecution Relating to Controlled Waters
 - Registered Radioactive Substance
 - River Network or Water Feature
 - River Quality Sampling Point
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- Waste**
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Landfill Boundary)
 - Licensed Waste Management Facility (Location)
 - Local Authority Recorded Landfill Site (Location)
 - Local Authority Recorded Landfill Site
 - Registered Landfill Site
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site
- Industrial Land Use**
- Contemporary Trade Directory Entry
 - Fuel Station Entry



Order Details

Order Number: 338527426_1_1
 Customer Ref: 13238
 National Grid Reference: 552740, 172020
 Slice: A
 Site Area (Ha): 0.29
 Search Buffer (m): 1000

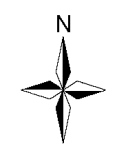
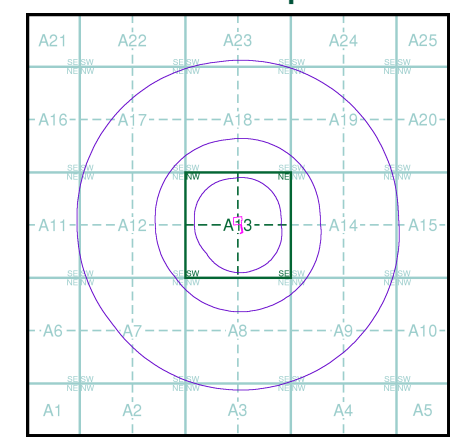
Site Details
 Wilmington Depot, Broad Lane, DARTFORD, DA2 7AQ



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
 - Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

Order Number: 338527426_1_1
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