

Phase 1 Desk Study

The Meadows - Nettlestead



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Non-Technical Summary

What is Proposed?

It is understood that proposals involve the clearance of the site and construction of a residential scheme. The proposed development will comprise a single L-shaped dwelling with an access road/driveway and front and rear gardens.

What is the Problem?

Based on the findings of this review, no significant sources of potential contamination have been identified either on site or in the immediate surrounds.

What is the Result?

No unacceptable risks have been identified to human or environmental receptors. It is considered **unlikely** that contamination is present on site in a circumstance which could lead to unacceptable risks to identified receptors. The Phase 1 has not identified any significant sources of contamination. As such, no significant pollutant linkages have been found in this review (i.e **low risk**).

What are the Next Steps?

Based on the findings of this assessment **no further works or mitigation measures are required** to ensure the proposed development is suitable for use from a land quality perspective. This report should be submitted to the local planning authority to discharge planning conditions 4 and 5. Finally, a Non-Specialist Watching Brief should be undertaken during groundworks and any unforeseen contamination encountered reported to the local planning authority and Lustre to assess the risk and determine appropriate remedial measures (if required).

Report Record

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Client	Mr P Mitchell
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Author	Matthew Larkin - BSc (Hons) MSc MCIWEM C.WEM CSci RSoBRA
Reviewer	Claire Munns - BSc (Hons) MEnvSc

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1.0 Introduction

1.1 This report presents the findings of a Phase 1 Desk Study - a land contamination assessment that has been prepared in line with best practice guidance and planning policy.

What is a Phase 1 Desk Study?

1.2 A Phase 1 Desk Study will determine if potential contamination is present at a site, and importantly, if that contamination poses a risk to future site users or the environment. If the Desk Study finds that the level of risk is unacceptable, you may need to further investigate with a Phase 2 Site Investigation and possibly undertake remediation.

1.3 The Phase 1 assessment will consider the historical and current uses of a site and understand it's environmental sensitivity, within a conceptual site model (CSM). The report will provide risk ratings assigned to different components of the CSM and give actionable recommendations. Recommendations may include further investigation of any issues or ways to reduce the risk. If no unacceptable risks are identified, then typically no further environmental assessment is required. Find out more about Phase 1 Desk Studies [here](#).

1.4 Understanding and reducing the risks ensures that you have a safe and compliant site. When dealing with planning, the National Planning Policy Framework (NPPF) and associated policies require an appropriate land contamination risk assessment at the initial planning stage, whilst the Land Contamination Risk Management guidance (LCRM) requires a phased, risk-based approach when dealing with land affected by contamination in the UK. A Phase 1 Desk Study is the first part of that iterative investigation process.

The Subject Site

Table 1 Site Details

Address	The Meadows, Maidstone Road, in Nettlestead, Kent, ME18 5HE
Eastings, Northings	568209, 151221
Area	0.33ha

1.5 The site, irregular shaped in plan, currently comprises part of a former equestrian centre. The site is located within a rural land use area. The site area is shown in Figure 1 in red.

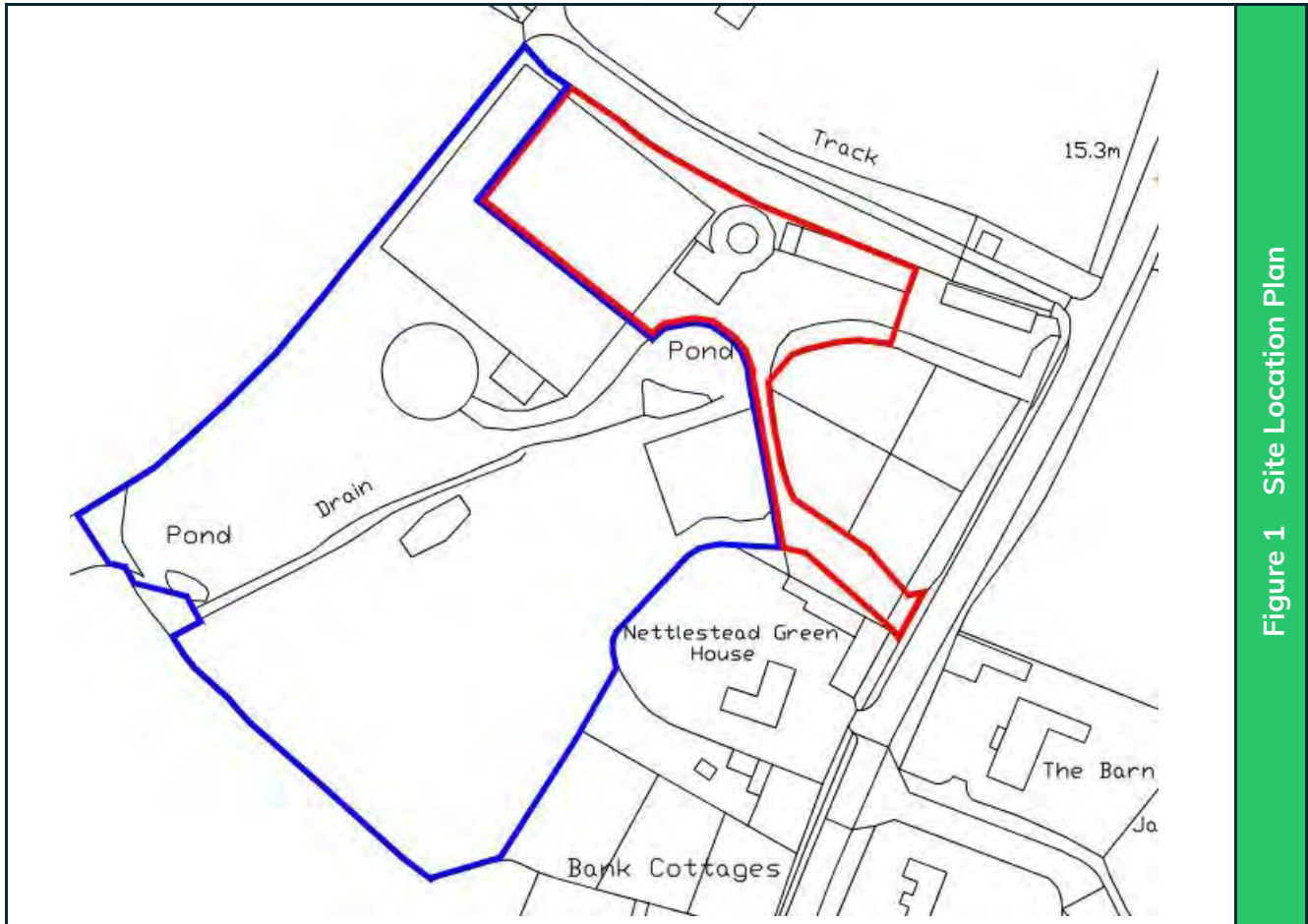


Figure 1 Site Location Plan

The Proposed Development

- 1.6 It is understood that the site has planning permission for redevelopment to provide a residential scheme, as illustrated in Figure 2.
- 1.7 The scheme will involve the clearance of the site and construction of a single L-shaped residential dwelling. External parts of the site will comprise private gardens, soft verges, parking and access. There are no basements, undercroft car parking or other underground structures anticipated with below ground features limited to foundations and buried services.
- 1.8 Enabling works to permit the development are understood to involve the full clearance of the site. It is understood that site levels will remain relatively similar to that present.



Figure 2 Proposed Development Plan

The Stakes & Objectives

1.9 The scope of works adopted in this Desk Study will address the following potential issues:

- ▶ Potential for contamination from historical site uses and nearby land uses through a review of available historical Ordnance Survey maps (dating back to the mid-1800s) and any existing information and reports relating to the site and surrounding area.
- ▶ Potential for contamination from the current or contemporary site uses by undertaking a site walkover.
- ▶ Sensitive receptors such as groundwater aquifers and geotechnical ground hazards through a review of published geological, hydrogeological and hydrological records.



- ▶ Nearby environmentally sensitive areas such as protected groundwater bodies, surface water features etc through a review of available public information and up-to-date regulatory information from relevant authorities.

1.10 The objective of this report is therefore to determine the contaminative status of the site and to provide a general indication of the likely geoenvironmental issues which may be present. Information on likely geotechnical conditions and hazards is also included.

Report Structure, Limitations & Changes

1.11 The report structure generally follows the pollution linkage approach described above. Chapter 2 of the report provides information relating to the "sources" of potential contamination through a study of current and historical land uses, whilst the sensitivity and anthropology information in Chapter 3 relates to the "receptors" and "pathways" components. Report conclusions and recommendations, including a summary of the conceptual site model and risk assessment Appendix, are set out in Chapter 4.

1.12 This Phase 1 Desk Study has been undertaken in accordance with our Terms & Conditions. Full details on limitations and reliance are provided in those Terms. Third party information which has been reviewed and used to inform the assessments presented herein, including public records held by various regulatory authorities and environmental database data has been assumed to be true and accurate.

1.13 This assessment has been carried out to determine the potential risks posed to future end users, along with other key receptors, based on the current development. Should revisions in the development proposals result in a change any assessment parameters detailed in this report, a re-assessment of the risk should be carried out.

2.0 Land Use

2.1 This chapter identifies and provides information on any potential on-site and off-site "sources" of contamination within the source-pathway-receptor model. The chapter includes a review of information obtained from photographic records, publicly recorded information on environmental issues and controls within relevant distances of the site (which may indicate the presence of potential source(s) of contamination, such as licensed landfills), available planning records obtained from regulatory websites and OS historical mapping. A summary of the identified sources and potential contaminants are given at the end of the chapter.

Site Description

2.2 A site walkover was undertaken by a qualified consultant from Lustre on 10th December 2021. The client was present throughout the site walkover and access was granted to the buildings and external areas.



Figure 3 Aerial Imagery



Access drive and former stables



Former stables

- 2.3 At the time of the site walkover the site comprised a former equestrian training area with an access road, stables/stores, an open-sided hay barn, a temporary bungalow building and a large sand school.
- 2.4 Access was gained via a drive from Maidstone Road to the south of the site, with the access road extending north to the main site area. Hardstanding on the driveway was noted to be in poor to fair condition. In the north-eastern part of the site the driveway opens out and extends off site to the north-east.
- 2.5 Along the northern boundary in this area a row of timber shed/former stables are present, currently used for domestic storage and small-scale gardening equipment. In the central part of the site a small open sided hay barn was present with a temporary bungalow. The barn structure was timber framed and clad with wooden fence panelling and fiberglass and used for the storage of hay bales and patio furniture. The bungalow was located over a former small circular horse circuit.
- 2.6 The north-eastern part of the site was present as a sand school and located at a slightly higher elevation than the rest of the site. A tree line formed the northern site boundary.



Sand school



Hay storage and temporary accommodation



Observations on Ground Stability & Structural Damage

- 2.7 No evidence of ground stability hazards or structural damage was observed on site. However, this report does not constitute a structural survey or similar survey.

Bulk Storage of Fuels & Hazardous Material

- 2.8 Lustre has not been made aware of, or observed, any current or former bulk above ground fuel storage areas/ hazardous material storage on site. No evidence of any current underground fuel tanks (e.g. unexplained manhole covers, vents, fill points etc) was noted during the site walkover.
- 2.9 Small-scale hazardous material storage was not observed during the walkover.

Asbestos Containing Soils (ACS)

- 2.10 ACM was commonly used in construction and refurbishment projects until their use was prohibited in 1999. Given the age of the building present on site (including any refurbishment works), the potential for ACM to be present within the building fabric and curtilage is possible. No asbestos containing materials (ACM) were observed during the site walkover. However, the inspection does not constitute an asbestos survey.
- 2.11 Soil contamination from asbestos can be caused through inappropriate use and poor care of ACM in the building fabric and curtilage causing cross contamination during historical demolition or renovation works. ACS can also be encountered within infilled land and/or imported sub-base / fill materials associated with previous construction or renovation works (such as the construction of a new hardstanding). The potential for ACS to be present underlying the hardstanding should be considered. Based on the site walkover it is unlikely that ACS is present in other parts of the site.

Waste

- 2.12 Based on the site use, potentially contaminative waste streams are not considered likely. Only domestic waste was observed during the site walkover. From the observations made on site, housekeeping appears to be generally good.

Drainage

- 2.13 Only sanitary wastewater, surface water run-off (from roof areas and hardstanding) is generated on site. No evidence of activities that would require a Discharge Consent was observed. Lustre has not been made aware of any oil / water interceptors within the site drainage system by the Client.
- 2.14 A seasonal drainage ditch and connected pond is present immediately south of the site, which is culverted below the on-site access road. At the time of the walkover water was present in the ditch and pond, with a north-easterly flow direction. No evidence of surface water contamination was noted during the walkover (no foaming, algal bloom, oily sheen etc). A second drainage ditch is present immediately off-site to the north; however, this could not be inspected during the walkover. It is understood these two ditches merge circa 30m east below Maidstone Road (likely within a culvert).



Pond, immediately off-site to south



Drainage ditch along southern boundary

Persistent Organic Pollutants (POPs, inc. Polychlorinated Biphenyls (PCBs))

- 2.15 No sub-stations, high voltage cables (in excess of 100kV) or other potential sources of PCB were identified on the site.
- 2.16 No other specific POP point sources were identified during the site inspection that could have adversely impacted soils on site.

Invasive Species

- 2.17 No Japanese Knotweed (an invasive species) was identified during the site walkover, however the site visit conducted does not constitute a full 'injurious weeds and invasive plants' survey.



Further Surveys

2.18 Whilst the site walkover discussion may reference observations regarding the presence of features/issues such as invasive species, ACM, site drainage and evidence of structural abnormalities, this report does not constitute specialist surveys on these matters. Should further specialist surveys be carried out in this regard, the findings of these should be reported to Lustre so that we may determine if this has any discernible impact on the findings of this report.

Public Record Information

2.19 Information on potentially significant environmental issues and controls at the site and surrounding area may be held on public records by various regulatory authorities. Information referenced in this Chapter has been sourced directly from the regulatory authorities and from the Landmark database (data summarised within relevant distances of the site centre). A copy of the Envirocheck report is attached at Appendix A. A summary of the significant environmental issues and controls in the Envirocheck report is summarised in the following table.

Table 2 Regulatory Information	
Public Record	Features
Environmental Permits and Controls	No Local Authority Pollution Prevention and Controls have been identified within 250m of the subject site. No IPPCs have been identified within 250m of the subject site.
Pollution Incidents to Controlled Waters	No pollution incidents to controlled waters have been identified within 250m of the subject site.
Hazardous Substances	There are no hazardous substances (e.g. Control of Major Accident Hazards (COMAH), Notification of Installations Handling Hazardous Substances (NIHHS) or Planning Hazardous Substance Consents) recorded within 250m.
Landfill Sites	No BGS recorded landfill sites, historical landfill sites, Local Authority Recorded Landfill Sites or registered landfill sites have been identified within 1km of the subject site.
Waste Management Facilities	No Licensed Waste Management Facilities have been identified within 250m of the subject site. No Registered Waste Transfer Sites have been identified within 250m of the subject site. No Registered Waste Treatment or Disposal Sites have been identified within 250m of the subject site.



Table 2 Regulatory Information

Public Record	Features
Contemporary Trade Directory Entries	No on-site trade directory entries have been identified from environmental database records. Two contemporary trade directory entries have been listed within 250m from the subject site. Both entries are located 68m S of the site; one is for an air conditioning equipment & systems (Primalec), which is listed as active and the other is for agricultural machinery - sales & service which is listed as inactive.
Petrol Filling Stations (PFS)	No fuel station entries have been identified within 250m of the subject site.

Review of Regulatory Information

2.20 A review of the available online planning records has not provided any pertinent information relating to the subject site.

Site History

2.21 The site history has been assessed by reviewing historical Ordnance Survey maps provided by Landmark and aerial photographic imagery from Google Earth. Relevant maps are reproduced in Appendix B. The historical development of the site and the surrounding area are summarised in the following section. Where features are identified as having a potential impact on the proposed development, an indication of potential contaminants has been provided at the end of the Chapter.

2.22 It is noted that the mapping process adopted in generating the historical Ordnance Survey records (mapping intervals/frequency, scale, inclusion/exclusion of features etc), may result in an incomplete account of a site's history. Changes in land use between mapping dates, or small yet potentially contaminative land uses, may not be identified from the records. The following account is therefore based solely on the information provided in the mapping records and the dates listed should be considered as approximate.

Table 3 On Site History

On Site Land Use	Date Features Present	Date Features Removed
Western half of site open field, with orchard in eastern half. Drainage channel and pond present to the south immediately off-site.	1885	1897
Entire site area in use as orchard, fence divides site in half.	1897	1967
Orchards cleared, site present as open fields.	1967	1990



Table 3 On Site History

On Site Land Use	Date Features Present	Date Features Removed
Stables present, haybarn and sand school as described above.	1990	-

2.23 Environmentally pertinent historical information from the immediate surrounding area (within 250m) has been summarised below. From the earliest mapping records, the site’s surrounds have been dominated with open arable fields and orchards. The orchards, both on site and in the surrounds, were cleared in the 1960s with land now present as residential garden areas and horse paddocks. From at least the late 1800s circa 250m east of the site a railway line is present, raised on an embankment. Other than the surrounding farmland use, no off-site potential sources of contamination have been identified in this review. It is also noted that no agricultural buildings were present within close proximity to the subject site, only stables.

Summary of Identified Potential Sources of Contamination

2.24 This section has assessed both the current and historical uses of the site and surrounding areas, as well as publicly available regulatory information. In accordance with the LCRM guidance, this assessment has allowed potential sources of contamination to be identified.

2.25 Based on our understanding, it is considered that some potential sources can be discounted at this stage of the assessment. Potential sources of contamination have only been discounted where sufficient evidence has been gathered to indicate that the particular source, for reasons relating to the viability of its presence/significance, need not be considered further. The off-site railway land circa 250m east has been discounted given the relatively immobile nature of contaminants associated with railway tracks, coupled with significant distance to subject site.

2.26 Viable potential sources of contamination which have been carried forward into the conceptual model and risk assessment are set out below.

On-Site Sources - Current

2.27 The site use as a former sand school and stable is not anticipated to represent a significant source of contamination - the significance of this land use is likely **minor**. No hazardous material storage was observed on site, nor likely historically. The structures were intact and



did not contain any ACM, being predominantly wooden structures other than the modern temporary accommodation. Whilst vehicles will have been parked on the driveway, the underlying soils will have been protected by the concrete present in this area. As such, whilst contaminants such as asbestos, metals and PAH (polyaromatic hydrocarbons) may be present in the shallow soils (including below any hardstanding such as in any imported subbase), the likelihood is considered very low.

On-site Sources - Historical

- 2.28 Periods of construction and demolition are not noted within mapping records and therefore a significant thickness of Made Ground is not anticipated on site. Likely reworked natural soils are present near surface. Although orchards can represent a potentially contaminative land use due to the spraying of pesticides, this activity ceased over 70 years ago and as such the historical use of the site is not anticipated to present a notable source of contamination. In addition, no former structures were noted.

Off-site Sources – Historical

- 2.29 The following off-site land uses (taken from mapping records) have been considered further in this assessment as viable potential off-site sources of contamination: farmland and orchard. Limited potential contaminants identified.

Off-site Sources – Potential Sources Identified from Regulatory Information

- 2.30 No permitted or regulatory controlled activities require assessment as specific off-site sources of contamination.
- 2.31 A review of regulatory information has not identified any pollution incidents which are likely to have adversely impacted the subject site.
- 2.32 No off-site petrol filling stations are present within close proximity to the site that would require further consideration.
- 2.33 No waste disposal sites have been identified within relevant distances which could impact the subject site.



3.0 Sensitivity & Anthropology

Introduction

- 3.1 This chapter provides information relating to on-site and off-site 'pathways' and 'receptors' and includes a review of the geology, hydrogeology, hydrology and ecological setting of the site. A general assessment and review of the site anthropology, such as identified human / built environment receptors, including current and future site occupiers, below ground structures, flora etc is also provided. A summary of identified receptors and site-specific pollutant linkages is given at the end of the chapter. Any pathways (contaminant migration, exposure pathways), which can be discounted in conceptual terms (i.e. considering the unviable nature of the pathway given the proposed development setting or local geology/hydrogeology etc), are discussed at the end of the chapter.

Geology

- 3.2 The 1:50,000 British Geological Survey (BGS) map (Sheet 287)¹ and the BGS website (National Geoscience Information Service)² show the eastern half of site to be directly underlain by superficial deposits of the River Terrace Deposits comprising sand and gravel, locally with lenses of silt, clay or peat. No superficial deposits are mapped on the western half of the site. Bedrock geology is listed as the Weald Clay Formation comprising mudstone. Given that the site lies on a boundary of superficial geology, the thickness of the River Terrace Deposits may be variable or limited. Based on anecdotal evidence in the central part of the site, the Weald Clay is circa 0.3m bgl.
- 3.3 Periods of construction and demolition are not noted within mapping records and therefore a significant thickness of Made Ground is not anticipated on site. Reworked natural soils are likely present.
- 3.4 A review of historical borehole records on the BGS website has been undertaken to identify any boreholes drilled within the general vicinity of the site. No records within a suitable distance and/or within relevant geological strata have been identified.

¹ BGS Solid and Drift Map Sheet 287

² Information from BGS website: www.bgs.ac.uk consulted in month of report issue



Ground Hazards

3.5 BGS data has also been reviewed to determine potential ground stability hazards which may affect the site. The table below summarises the ground stability hazards anticipated on the subject site based upon the expected ground model.

Table 4 Ground Hazards On-Site	
Hazard Type	Hazard Potential
Coal Mining Affected Area	None
Non-Coal Mining Affected Area	None
Potential for Collapsible Ground Stability Hazards	Very Low
Potential for Compressible Ground Stability Hazards	No Hazard
Potential for Ground Dissolution Stability Hazards	No Hazard
Potential for Landslide Ground Stability Hazards	Very Low
Potential for Running Sand Ground Stability Hazards	No Hazard
Potential for Shrinking or Swelling Clay Ground Stability Hazards	Low

3.6 The BGS also holds data on non-coal mining areas, natural cavities and radon, and the Coal Authority holds data on coal mining affected areas for the UK. Data collated by Landmark on these matters (sites/features within 1km of the subject site) are presented below.

Table 5 BGS Sites & Radon	
Category	Details
BGS Recorded Mineral Sites	One BGS Recorded Mineral Site has been identified within 1km from the subject site: 884m SW at Hook Wood Brick and Tile Works. Mineral site operated as an opencast site extracting soils from the Weald Clay Formation. Status is listed as ceased.
Man-Made Mining Cavities	None identified
Natural Cavities	No natural cavities have been identified within 1km of the subject site.
Radon Potential - Radon Affected Areas	The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level).



Hydrogeology

- 3.7 The Groundwater Vulnerability Map of England and the DEFRA website³ have been reviewed to determine the aquifer designations.
- 3.8 The River Terrace Deposits is designated as a Secondary (undifferentiated) aquifer which is defined by the Environment Agency as an aquifer where "it has not been possible to attribute either category A or B to a rock type. In most cases, this means that the layer in question has previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type." Based on the BGS information reviewed, it is considered that this geology is likely of limited thickness and may not be present across the entire site area. Shallow groundwater may be anticipated where this stratum is of sufficient thickness.
- 3.9 The Weald Clay Formation is designated as an unproductive stratum which is defined by the Environment Agency as "rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow." If groundwater is present within unproductive strata, for example within more permeable lenses or small fissures, it is typically discontinuous, of low value and very low sensitivity. Based on the BGS information reviewed, it is considered that the bedrock is relatively impermeable, and that groundwater is not anticipated within this geology.
- 3.10 The Environment Agency has defined Source Protection Zones (SPZs) for groundwater sources used for public drinking water supply.⁴ No groundwater Source Protection Zones have been identified within 1km of the subject site.
- 3.11 No groundwater abstractions are recorded within 1km of the site.
- 3.12 No groundwater discharge consents are recorded within 250m of the site.

³ Information from DEFRA Website: www.magic.defra.gov.uk consulted in month of report issue

⁴ These zones show the risk of contamination from any activities that might cause pollution in the area. The maps show three main zones (inner, outer and total catchment) and a fourth zone of special interest.



Hydrology

- 3.13 The nearest surface water features are located immediately adjacent to the site in the form of a drainage ditch and connected pond on the southern site boundary and also along the northern site boundary. Further information on these surface water features is provided in the site walkover section of this report. Considering the underlying geology/ ground conditions and the local topography, these surface water features are likely to be in hydraulic connectivity with the site.
- 3.14 In addition to the above mentioned drainage ditch, within 500m of the subject site, a wider network of surface water features are present including ponds, ditches and rivers. The network of off-site surface water features is unlikely to be hydraulic connectivity with the site given the localised extent of the superficial deposits and impermeable underlying bedrock. The primary surface water feature near the site is the River Medway, located circa 383m east, which is listed as having a GQA (river quality) grade of B.
- 3.15 Two surface water abstractions are recorded within 500m of the site:
- 319m north - Operated by Farming Acre Ltd (Point C, Pond at Nettlestead) and pertains to the abstraction of surface for general agriculture: spray irrigation - direct, under licence no. 9/40/03/0160/Sr.
 - 373m east - Operated by Farming Acre Ltd (River Medway at Nettlestead) and pertains to the abstraction of surface for general agriculture: spray irrigation - direct, under licence no. 9/40/03/0160/Sr.
- 3.16 No surface water discharge consents are recorded within 250m of the site.

Environmental Statutory Designations

- 3.17 A review of the environmental sensitive receptors' database indicates that the site is not located within an ecologically sensitive area. There are no Special Protection Areas, Sites of Special Scientific Interest, Ramsar Sites, Local Nature Reserves, Environmentally Sensitive Areas within 250m of the site.
- 3.18 The site lies within a Nitrate Vulnerable Zone.



Environmental Sensitivity

- 3.19 The sensitivity of each of the identified receptors is rated depending upon the environmental setting of the site, the likelihood for pollutant linkages to be present and potential consequence of those potential pollutant linkages. The assessment approach adopted is based on guidance set out in the NHBC R&D 66⁵ document.
- 3.20 Groundwater within the River Terrace Deposits is considered to have a Moderately High (M1) sensitivity, which is described in the guidance as being a "recognised major or minor aquifer, moderately vulnerable, with probable use (either direct or via baseflow to a sensitive watercourse). Within formal protection zone or catchment of authorised abstractions for potable or other high quality uses. Minor, short-term releases of contaminants may be tolerable." This sensitivity classification has been assigned given the expected potential for groundwater transmission to the nearby surface water features; the groundwater resource itself is considered limited.
- 3.21 Groundwater within the Weald Clay Formation is considered to have a Very Low (L2) sensitivity, which is described in the guidance as being "not a recognised aquifer, but strata beneath site may retain a small amount of contaminated liquid but there is likely to be limited vertical penetration. High potential for surface runoff or ponding." This sensitivity classification has been assigned given the expected low permeability and limited potential for groundwater storage and transmission.
- 3.22 Surface water is considered to have a Very High (H1) sensitivity, which is described in the guidance as being a "high quality watercourse (GQA A or B) within close proximity (less than 250m) of site or with potential for rapid transmission of pollutants to that watercourse via a fissured aquifer. Or interconnected unclassified drain or stream." This sensitivity classification has been assigned given the proximity of nearby surface water features and the potential for baseflow in shallow groundwater.

⁵ Guidance for the Safe Development of Housing on Land Affected by Contamination R&D66, NHBC, 2008



- 3.23 The site is considered to have a low ecological sensitivity given the absence of any statutory designated ecological receptors either on-site or within proximity to the site.
- 3.24 The sensitivity classifications noted above have been taken into consideration in the development of the conceptual model presented at the rear of this report.

Anthropology

- 3.25 Proposed anthropological receptors at the site are considered to include future residents and visitors. In the short term, groundworkers and construction personnel will also be considered.

Summary of Identified Receptors & Site-Specific Pollutant Linkages

- 3.26 A review of the environmental sensitivity and proposed anthropological use of the site has identified the following **receptors**, as detailed below.

Identified Receptors

- ▶ Residents and visitors,
- ▶ Ground / construction workers,
- ▶ Shallow groundwater within the River Terrace Deposits (Secondary (undifferentiated) aquifer),
- ▶ Surface water,
- ▶ Adjacent land,
- ▶ Flora,
- ▶ Below ground structures and foundations, and
- ▶ Potable water pipes.

Viable Pathways and Pollution Linkages

- 3.27 A number of **viable migration and exposure pathways** and potential pollutant linkages have been identified, whereby a receptor may be exposed to a source. The viable pollutant linkages have then been used to develop a conceptual model. The following is a summary of **viable**, site specific pathways and pollutant linkages to be considered further:



- ▶ In areas of open ground, the following exposure pathways to humans are considered to be active: inhalation of contaminated dust and dermal contact and direct ingestion of contaminated soils. It is noted that these exposure pathways are only active in soft landscaped areas; permeant hardstanding breaks the potential pathways. In addition, as private gardens are proposed, the indirect ingestion of contaminated soils sorbed to home-grown produce are to be considered.
- ▶ Inhalation of toxic vapours, potentially migrating into above ground structures from organic contaminants within the Made Ground, contaminated groundwater or localised spills / leaks. Potential for vapours to migrate through hardstanding and open ground.
- ▶ Hazardous ground gases, potentially generated by the Made Ground or organic-rich natural soils, may migrate into above ground structures and accumulate within building voids and enclosed spaces (resultant risk of asphyxiation and / or explosion).
- ▶ Shallow soil contamination has the potential to vertically migrate downwards into the underlying natural soils and perched or shallow groundwater by leaching and infiltration. These processes are enhanced in areas of soft landscaping due to an increased infiltration potential. Conversely, areas of hardstanding reduce infiltration potential and leaching rates, which results in a lower mobility of any shallow contamination.
- ▶ Lateral migration of contamination within shallow groundwater in the River Terrace Deposits and via surface water run-off, including to and from adjacent land and to nearby surface water.
- ▶ Flora grown within areas of soft landscaping may be exposed to contaminants through root uptake mechanisms.
- ▶ Below ground concrete structures and foundations are susceptible to chemical attack from aggressive ground conditions (pH and water-soluble sulphate).
- ▶ Potable water pipes are susceptible to chemical attack from shallow soil contamination.



4.0 Conclusions & Next Steps

- 4.1 The information presented in the previous chapters have been compiled and used to create a conceptual model and qualitative risk assessment. The CSM and risk assessment is presented at the end of this Chapter.
- 4.2 The risk ratings assigned in the risk table, and summarised below, are based on information obtained through desk-based research, a site walkover and on our experience in assessing risks from similar sites. The proposed end use of the site, anticipated ground conditions, environmental receptors and viable exposure pathways have been considered.

Geoenvironmental Risk Ratings

- 4.3 In summary, this Phase 1 Desk Study has determined that it is **unlikely** that contamination is present on site in a circumstance which could lead to unacceptable risks to identified receptors. As illustrated in the risk assessment tables, several of the risks attributable to viable pollutant linkages were considered to be **low**.
- 4.4 This finding is due to the absence of any significant pollutant linkages between any potential sources of contamination (current or historical) and the identified receptors.
- ▶ Only low and very low risks have been identified from the historical use of the site. The site use as a former sand school and stable is not anticipated to represent a significant source of contamination - the significance of this land use is likely **minor**. No hazardous material storage was observed on site, nor likely historically. The structures were intact and did not contain any ACM, being predominantly wooden structures other than the modern temporary accommodation. Whilst vehicles will have been parked on the driveway, the underlying soils will have been protected by the concrete present in this area.
 - ▶ Periods of construction and demolition are not noted within mapping records and therefore a significant thickness of Made Ground is not anticipated on site. Although orchards can represent a potentially contaminative land use due to the spraying of pesticides, this activity ceased over 70 years ago and as such the



historical use of the site is not anticipated to present a notable source of contamination.

- 4.5 It is important to remember that the qualitative nature of the risk assessment is not absolute. Even if very low and low risks have been assigned to pollutant linkages, the risk cannot be eliminated (i.e. “no risk”) at this stage of the assessment. Residual risks will remain and should not be disregarded on the basis that the risk is low.

Planning Considerations & Next Steps

- 4.6 This report should be submitted to the local planning authority to discharge planning conditions 3 and 4.
- 4.7 Based on the findings of this assessment **no further works or mitigation measures are required** to ensure the proposed development is suitable for use from a land quality perspective.
- 4.8 A **Non-Specialist Watching Brief** is recommended during the groundworks and construction phase to identify any visual or olfactory evidence of contamination. Should unforeseen contamination be identified, works in that area should stop and Lustre be contacted to assess the suspected contamination.

Preliminary Ground Model & Ground Hazard Recommendations

- 4.9 The BGS information shows that the site is underlain by River Terrace Deposits over the Weald Clay Formation. Considering the information from the BGS reviewed as part of this Phase 1, shallow groundwater may be present beneath the site.
- 4.10 All new build properties normally require a geotechnical site investigation to inform foundation design.

Statutory Designation

- 4.11 The National Planning Policy Framework (NPPF) states that “land should be suitable for its new use and as a minimum, after carrying out remediation (if required), the land should **not** be capable of being determined as contaminated land under Part 2A of the Environmental Protection Act 1990”. It is our opinion that, based on the findings of this Phase 1 Desk Study,



it is unlikely the site would be designated as statutory contaminated land by the Local Authority under the provision of the published Statutory Guidance. It is advisable however, that any recommendations made in this report are implemented in line with current guidance and good practice.



Conceptual Site Model

The Meadows - Nettlestead

ON SITE SOURCE: Shallow Soils Impacted by Current and Historical Site Use

JUSTIFICATION NOTES: A full list of summary notes which provide detail and context to the risk ratings assigned in the table below is given at the end of the table. If specific notes are particularly significant to a certain pollutant linkage, these are referenced in the final column of the table.

CONCEPTUAL SITE MODEL				RISK ASSESSMENT			KEY JUSTIFICATION NOTES
SOURCE - Potential contamination from current / historical site use(s) to impact site Based on historical mapping records, the following have been identified on site: orchard.	POTENTIAL CONTAMINANTS - asbestos, metals, inorganics, pesticides and fertiliser	PATHWAY	RECEPTOR	LIKELIHOOD OF OCCURRENCE	CONSEQUENCE (SEVERITY)	POTENTIAL RISK	
		Inhalation of contaminated dusts, gases and vapours, dermal contact and direct ingestion of contaminated soils, and indirect ingestion of contaminated soils sorbed to home-grown produce	Residents and site visitors	Low Likelihood	Mild	Low	1 - 5
		Inhalation of contaminated dusts, gases and vapours, dermal contact and direct ingestion of contaminated soils	Ground / construction workers	Likely	Minor	Low	2 - 6
		Vertical migration downwards via leaching and/or saturation of contaminated soils	Shallow groundwater within the River Terrace Deposits (Secondary (undifferentiated) aquifer)	Likely	Minor	Low	3 - 5 and 7
		Lateral migration of contaminants to down hydraulic gradient surface water (baseflow)	Surface water	High Likelihood	Minor	Low	3 - 5 and 12
		Lateral migration of contaminants to down hydraulic gradient areas in groundwater and runoff	Adjacent land	Low Likelihood	Minor	Very Low	3 - 5 and 7
		Root uptake mechanisms	Flora	Likely	Minor	Low	3 - 5 and 13
		Chemical attack from aggressive ground conditions (pH and water soluble sulphate) and shallow contamination	Buried services and below ground structures and foundations	Low Likelihood	Mild	Low	3 - 5 and 14
		Migration and accumulation of gases within building voids and enclosed spaces	Building and site occupants	Very Unlikely	Severe	Acceptably Low	15 and 16

JUSTIFICATION NOTES

NOTE ID	NOTES
1	It is understood that proposals involve the clearance of the site and construction of a residential development. The proposed development will comprise 1 low rise residential dwellings with access roads, private gardens and soft verges.
2	In areas of open ground, the following exposure pathways to humans are considered to be active: inhalation of contaminated dust and dermal contact and direct ingestion of contaminated soils. It is noted that these exposure pathways are only active in soft landscaped areas; permeant hardstanding breaks the potential pathways. In addition, as private gardens are proposed, the indirect ingestion of contaminated soils sorbed to home-grown produce are to be considered.
3	Periods of construction and demolition are not noted within mapping records and therefore a significant thickness of Made Ground is not anticipated on site.
4	The site use as a former sand school and stable is not anticipated to represent a significant source of contamination - the significance of this land use is likely minor. No hazardous material storage was observed on site, nor likely historically. The structures were intact and did not contain any ACM, being predominantly wooden structures other than the modern temporary accommodation. Although orchards can represent a potentially contaminative land use due to the spraying of pesticides and herbicides, this activity ceased over 70 years ago and as such the historical use of the site is not anticipated to present a notable source of contamination.
5	Contamination may be generally minor, with possible sporadic localised areas of higher contamination. Whilst vehicles will have been parked on the driveway, the underlying soils will have been protected by the concrete present in this area.
6	Construction workers - use of appropriate PPE and awareness of potential hazards through 'toolbox' talks
7	Groundwater within the River Terrace Deposits is considered to have a Moderately High (M1) sensitivity, which is described in the guidance as being a "recognised major or minor aquifer, moderately vulnerable, with probable use (either direct or via baseflow to a sensitive watercourse). Within formal protection zone or catchment of authorised abstractions for potable or other high quality uses. Minor, short-term releases of contaminants may be tolerable." This sensitivity classification has been assigned given the expected limited thickness/site coverage, but pathway to surface water.
8	Groundwater within the Weald Clay Formation is considered to have a Very Low (L2) sensitivity, which is described in the guidance as being "not a recognised aquifer, but strata beneath site may retain a small amount of contaminated liquid but there is likely to be limited vertical penetration. High potential for surface runoff or ponding." This sensitivity classification has been assigned given the expected low permeability and limited potential for groundwater storage and transmission.
9	The superficial soils are a low permeability clay geology, with a very low porosity and permeability. As such this stratum is not anticipated to be a viable groundwater aquifer or capable of storing or transmitting significant quantities of groundwater. Any groundwater present will likely be held within discontinuous more granular lenses and be of limited value and low significance. The potential for significant mobilisation of contamination within this stratum is therefore very low. As such, the vertical mixing of shallow groundwater to deeper groundwater can be discounted. This will also limit the potential for the lateral migration of site-borne contaminants to off-site areas (down hydraulic gradient) via baseflow. The migration of potential sources of off-site contamination and ground gases onto the site is also likely to be significantly restricted noting the above.
10	Considering the information from the BGS reviewed as part of this Phase 1, shallow groundwater may be present beneath the site.
11	Given the anticipated presence of shallow groundwater, shallow contamination may readily enter groundwater and migrate off-site.
12	The nearest surface water feature is located immediately adjacent to the site. Further information on this surface water feature is provided in the site walkover section of this report. Considering the underlying geology/ ground conditions and the local topography, this surface water feature is likely to be in hydraulic connectivity with the site.
13	Flora grown within areas of soft landscaping may be exposed to contaminants through root uptake mechanisms.
14	Potable water pipes likely laid in natural soils
15	The organic content of the natural ground is low. Organic-rich soils are not anticipated on site.
16	A significant thickness of Made Ground is not anticipated and therefore any Made Ground present is unlikely to represent a source of ground gas.
17	Based on the site use, potentially contaminative waste streams are not considered likely. The following waste types were observed on site: domestic. Wastes generated on site are likely removed by a licensed waste carrier. From the observations made on site, housekeeping appears to be generally good.

The Meadows - Nettlestead



OFF-SITE SOURCES

JUSTIFICATION NOTES: A full list of summary notes which provide detail and context to the risk ratings assigned in the table below is given at the end of the table. If specific notes are particularly significant to a certain pollutant linkage, these are referenced in the final column of the table.

CONCEPTUAL SITE MODEL				RISK ASSESSMENT			KEY JUSTIFICATION NOTES
SOURCE	POTENTIAL CONTAMINANTS	PATHWAY	RECEPTOR	LIKELIHOOD OF OCCURRENCE	CONSEQUENCE (SEVERITY)	POTENTIAL RISK	
Off-site land uses - farmland and orchard	asbestos, metals, inorganics, PAH, TPH, pesticides, herbicides and fertiliser	Inhalation of vapours from groundwater	Site occupants	Unlikely	Minor	Very Low	1
		Lateral migration of contaminated groundwater on to the subject site	On-site groundwater	Likely	Minor	Low	1

JUSTIFICATION NOTES

NOTE ID	NOTES
1	Limited off-site potentially contaminative land uses identified, only open arable fields.
2	No off-site petrol filling stations are present within close proximity to the site that would require further consideration.
3	No permitted or regulatory controlled activities require assessment as specific off-site sources of contamination.
4	No non-landfill waste disposal sites have been identified within relevant distances which could impact the subject site.
5	A review of regulatory information has not identified any pollution incidents which are likely to have adversely impacted the subject site.
6	Groundwater within the River Terrace Deposits is considered to have a Moderately High (M1) sensitivity, which is described in the guidance as being a "recognised major or minor aquifer, moderately vulnerable, with probable use (either direct or via baseflow to a sensitive watercourse). Within formal protection zone or catchment of authorised abstractions for potable or other high quality uses. Minor, short-term releases of contaminants may be tolerable." This sensitivity classification has been assigned given the expected low permeability and limited potential for groundwater storage and transmission.
7	Groundwater within the Weald Clay Formation is considered to have a Very Low (L2) sensitivity, which is described in the guidance as being "not a recognised aquifer, but strata beneath site may retain a small amount of contaminated liquid but there is likely to be limited vertical penetration. High potential for surface runoff or ponding."
8	The superficial soils are a low permeability clay geology, with a very low porosity and permeability. As such this stratum is not anticipated to be a viable groundwater aquifer or capable of storing or transmitting significant quantities of groundwater. Any groundwater present will likely be held within discontinuous more granular lenses and be of limited value and low significance. The potential for significant mobilisation of contamination within this stratum is therefore very low. As such, the vertical mixing of shallow groundwater to deeper groundwater can be discounted. This will also limit the potential for the lateral migration of site-borne contaminants to off-site areas (down hydraulic gradient) via baseflow. The migration of potential sources of off-site contamination and ground gases onto the site is also likely to be significantly restricted noting the above.
9	Considering the information from the BGS reviewed as part of this Phase 1, shallow groundwater may be present beneath the site.

ENVIRONMENTAL RISK ASSESSMENT

Introduction

This section assesses the significance of the environmental issues that have been identified on the site or in the surrounding area. This is achieved by developing an initial conceptual model for the site and undertaking a qualitative risk assessment.

The objective of the conceptual model is to identify potential contaminant “source(s)”, “pathways” and target “receptors” relating to the site and surrounding area. The information obtained is described in detail in the Land Use Chapter and the Sensitivity & Anthropology Chapters. This information is then collated and a qualitative risk assessment^{6,7} undertaken to assess the source-pathway-receptor linkages. The potential for a pollution event to occur is evaluated using a risk classification tool⁸. The level of risk is assigned by considering the likelihood that a pollution event might occur with the consequence of its occurrence. The consequence is essentially a measurement of the severity of a hazard (or source) and sensitivity of the receptor (e.g. aquifer type or end user).

The Table presented overleaf details the various components of the site conceptual model and evaluates the risks associated with each viable potential pollution linkage. Where additional explanation is required, Justification Notes have been given at the end of the Table. The risks associated with each potential pollution linkage are also discussed within the report conclusions.

Methodology

The qualitative risk assessment firstly considers the source of contamination and potential contaminants associated with the source(s) (or hazards). As well as the type of source, the extent, concentration and availability of a contaminant is also assessed.

The effect of a hazard on an identified receptor is largely governed by the sensitivity of a receptor. Receptors may typically include people, buildings, animals, plants and local resources (such as groundwater, surface waters, mines etc). A change in the receptor should be considered if the end-use of the site changes, for example, if a commercial site is to be redeveloped into a residential housing estate as a residential occupier is considered more sensitive than a commercial occupier. The presence of contamination (as a potential hazard) does not necessary mean that there is a risk. It is the exposure pathway and the quantity of contamination that reaches the receptor which may determine the effect on a receptor (such as the integrity of a barrier between a contamination source and receptor).

The risk classifications for both likelihood and consequence is based on methodology presented in Contaminated Land Risk Assessment, A Guide to Good Practice (CIRIA C552, 2001) and has been developed from procedures outlined in the EA’s LCRM. The Department for the Environment Transport and the Regions (DETR), with the EA and Institute of Environment & Health, has also published guidance on risk assessment (Guidelines for Environmental Risk Assessment and

⁶ Guidance for the Safe Development of Housing on Land Affected by Contamination R&D66, NHBC, 2008.

⁷ Construction Industry Research and Information Association (CIRIA). Contaminated Land Risk Assessment. A Guide to Good Practice. CIRIA C552 2001.

⁸ Department of the Environment, Transport and the Regions, Environment Agency and Institute of Environmental Health. Guidelines for Environmental Risk Assessment and Management. HMSO July 2000.

Management). The guidance states that the designation of risk is based upon a consideration of both:

- ▶ The magnitude of the potential consequence (severity) of risk occurring which takes into account both the potential severity of the hazard and the sensitivity of the receptor; and
- ▶ The likelihood of an event occurring (probability) which takes into account the both the presence of the hazard and receptor and the integrity of the pathway.

The magnitude of consequence (severity) and likelihood (probability) is defined in the CIRIA guidance, together with examples. The two classifications are then compared (as shown on Table 1) to obtain an estimation of risk for each pollution linkage, ranging from “very high risk” to “very low risk”. A description of the risks and likely actions required is presented in Table 2. The benefit of estimating the risk in this way is that it can be revised after each investigation phase as the conceptual model and corresponding pollution linkages are refined.

Comparison of Consequence VS. Probability

		Consequence			
		Severe	Medium	Mild	Minor
Likelihood	High likelihood	Very high risk	High risk	Moderate risk	Moderate/low risk
	Likely	High risk	Moderate risk	Moderate/low risk	Low risk
	Low likelihood	Moderate risk	Moderate/low risk	Low risk	Very low risk
	Unlikely	Moderate/low risk	Low risk	Very low risk	Very low Risk

Description of the Classified Risks and Likely Action Required

Level of Risk	Description of Classification
Very High Risk	There is a high probability that severe harm could arise to a designated receptor from an identified hazard, or there is evidence that severe harm to a designated receptor is currently happening. If this risk is realised, it is likely to result in significant environmental and financial liability to current and/ or future site owners/ occupiers. Urgent investigation (if not already undertaken) and remediation is likely to be required.
High Risk	Harm is likely to arise to a designated receptor from an identified hazard.

	If risk is realised, it is likely to present a sizeable environmental and financial liability to current and/ or future site owners/ occupiers. Urgent investigation is required, and remediation work may be necessary in the short term and likely over the longer term.
Moderate Risk	It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely the harm would be relatively mild. Investigation is normally required to clarify the risk and determine the potential environmental liability. Some remedial works may be required over the longer term.
Low Risk	It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realised, would at worst normally be mild. Limited investigation may be recommended to clarify the risk, dependant on the sensitivity of the receptor and viewpoint of those of interest. Any remedial works are likely to be fairly limited.
Very Low Risk	There is a low possibility that harm could arise to a receptor. In the event of such harm being realised it is likely to be mild or minor.

The acceptability of risk will always depend upon the viewpoint of those of interest, whether it is an occupier of a site, a regulator or stakeholder. As a result, it could be that action will be required to deal with a level of risk even if it is classified as very low.



APPENDIX A: Envirocheck Report



Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

288709208_1_1

Customer Reference:

4207

National Grid Reference:

568220, 151210

Slice:

A

Site Area (Ha):

0.33

Search Buffer (m):

1000

Site Details:

The Meadows, Maidstone Road
Nettlestead
MAIDSTONE
ME18 5HE

Client Details:

Mr M Dean
Lustre Consulting Ltd
Second Floor North,
The Fitted Rigging House,
The Historic Dockyard
Chatham
Kent
ME4 4TZ

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	26
Hazardous Substances	-
Geological	27
Industrial Land Use	29
Sensitive Land Use	32
Data Currency	33
Data Suppliers	39
Useful Contacts	40

Introduction

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

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1			Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1			1	8
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 3	Yes			
Pollution Incidents to Controlled Waters	pg 3				8
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 5			1	
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 5				1
Water Abstractions	pg 5			2	13 (*13)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 12	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 12	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 12	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 13		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 13	3	14	21	77

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 26	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 26				1
Potentially Infilled Land (Water)					
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					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 27	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 27	Yes	Yes	Yes	
BGS Recorded Mineral Sites	pg 27				1
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 27	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 27	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 28	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards				n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 28	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 29		2	1	12
Fuel Station Entries					
Points of Interest - Commercial Services	pg 30				3
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 30			1	6
Points of Interest - Public Infrastructure	pg 31				4
Points of Interest - Recreational and Environmental	pg 31				1
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland	pg 32		1	3	8
Areas of Adopted Green Belt	pg 32	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 32				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: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	269	1	568050 151500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (NW)	296	1	568000 151500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	345	1	568100 151600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	377	1	568350 151600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (NW)	406	1	567950 151600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	422	1	568350 151650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	468	1	568350 151700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	489	1	568400 151700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7NE (SW)	490	1	567850 150850
1	Discharge Consents Operator: Kenward Trust Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Kenward House, Kenward Road, Yalding, Kent, Me18 Authority: Environment Agency, Southern Region Catchment Area: River Beult Reference: P03488 Permit Version: 1 Effective Date: 1st May 1991 Issued Date: 1st May 1991 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: The River Beult Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A14NW (E)	449	2	568700 151300
2	Discharge Consents Operator: Zeneca Ltd. Property Type: Undefined Or Other Location: Imperial Chemical Industries Plc, Site No.1, Yalding, Maidstone Kent Authority: Environment Agency, Southern Region Catchment Area: Old-River Medway Reference: K00021 Permit Version: 1 Effective Date: 13th March 1985 Issued Date: 13th March 1985 Revocation Date: 25th November 1994 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater Stream Or River Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	631	2	568700 150700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	<p>Discharge Consents</p> <p>Operator: Southern Water Services Ltd (K) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Station Road S.T.W., Nettlestead, Junction Of Station Road & B2162, Nettlestead Kent Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: D01110 Permit Version: 1 Effective Date: 26th August 1963 Issued Date: 26th August 1963 Revocation Date: 19th December 2003 Discharge Type: Sewage Discharges - Unspecified - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m</p>	A8SW (S)	850	2	568150 150300
4	<p>Discharge Consents</p> <p>Operator: Mr R C Tucker Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Nettlestead Place, Maidstone Road, Nettlestead, Kent, Me18 Authority: Environment Agency, Southern Region Catchment Area: River Beult Reference: P01470 Permit Version: 1 Effective Date: 18th March 1988 Issued Date: 18th March 1988 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: The River Beult Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m</p>	A18NE (N)	884	2	568520 152080
5	<p>Discharge Consents</p> <p>Operator: R C Tucker Property Type: Undefined Or Other Location: Nettlestead Place, Watringbury Kent Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: D01175 Permit Version: 1 Effective Date: 9th April 1963 Issued Date: 9th April 1963 Revocation Date: 31st March 1997 Discharge Type: Non Water Company (Private) Sewage Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m</p>	A19NW (NE)	887	2	568570 152060
6	<p>Discharge Consents</p> <p>Operator: Syngenta Limited Property Type: MAKING OF CHEMICALS + CHEMICAL PRODUCTS Location: Zeneca Agrochemicals Hampstead Lane, Yalding, Maidstone, Kent, Me18 Authority: Environment Agency, Southern Region Catchment Area: Medway Reference: P06405 Permit Version: 2 Effective Date: 13th August 2004 Issued Date: 13th August 2004 Revocation Date: 26th January 2009 Discharge Type: Trade Discharge - Process Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Medway Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m</p>	A9SW (SE)	913	2	568600 150300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	<p>Discharge Consents</p> <p>Operator: Syngenta Limited Property Type: MAKING OF CHEMICALS + CHEMICAL PRODUCTS Location: Zeneca Agrochemicals Hampstead Lane, Yalding, Maidstone, Kent, Me18 Authority: Environment Agency, Southern Region Catchment Area: Medway Reference: P06405 Permit Version: 1 Effective Date: 9th November 1998 Issued Date: 9th November 1998 Revocation Date: 12th August 2004 Discharge Type: Trade Discharge - Process Water Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of The River Medway Status: New Consent (Water Industry Act 1991, Section 166) Positional Accuracy: Located by supplier to within 100m</p>	A9SW (SE)	913	2	568600 150300
7	<p>Discharge Consents</p> <p>Operator: Mrs P Whiting & Mr T J Searle Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Pottery Cottage, Maidstone Road Pottery Cottage, Maidstone Road, Nettlestead Green, Kent, Me18 5hl Authority: Environment Agency, Southern Region Catchment Area: Medway Reference: P20343 Permit Version: 1 Effective Date: 21st September 2004 Issued Date: 21st September 2004 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: A Tributary Of River Medway Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SW)	915	2	567780 150360
7	<p>Discharge Consents</p> <p>Operator: Mrs K J Lewis Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Alpha Cottage, Maidstone Road Alpha Cottage, Maidstone Road, Nettlestead Green, Maidstone, Kent, Me18 5hl Authority: Environment Agency, Southern Region Catchment Area: Medway Reference: P20361 Permit Version: 1 Effective Date: 4th November 2004 Issued Date: 4th November 2004 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: A Trib Of The River Medway Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SW)	951	2	567760 150330
	Nearest Surface Water Feature	A13NE (NE)	0	-	568232 151233
8	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: East Farleigh To Yalding Authority: Environment Agency, Southern Region Pollutant: Miscellaneous - Natural Note: Blue Green Algal Covering River Medway Incident Date: 7th July 1992 Incident Reference: 92T271 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Miscellaneous/Other Pollution Type Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A9SW (SE)	732	2	568600 150500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	Pollution Incidents to Controlled Waters Property Type: Other Transport Location: Westview Road, SWANLEY Authority: Environment Agency, Southern Region Pollutant: Oils - Petrol Note: Petrol Spill; Road (Road Traffic Accident) Incident Date: 3rd November 1994 Incident Reference: 94T365 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Oils/Related Products Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SE (E)	759	2	569000 151000
10	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Hampstead Marina Authority: Environment Agency, Southern Region Pollutant: Oils - Other Oil Note: Oil Coming Fown The Medway Incident Date: 24th July 1997 Incident Reference: 397302 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	785	2	568700 150500
11	Pollution Incidents to Controlled Waters Property Type: Other Transport Location: Hampstead Lane, YALDING Authority: Environment Agency, Southern Region Pollutant: Oils - Other Oil Note: Exploding Boat - Oil Risk; Ships/Boats Incident Date: 17th September 1994 Incident Reference: 94T337 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Oils/Related Products Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	822	2	568600 150400
11	Pollution Incidents to Controlled Waters Property Type: No Premises Identified Location: Hempstead Lock, YALDING Authority: Environment Agency, Southern Region Pollutant: No Pollutant Note: Not Supplied Incident Date: 16th October 1999 Incident Reference: 3307 Catchment Area: Medway Receiving Water: Potential River Cause of Incident: Other Cause Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	826	2	568600 150395
12	Pollution Incidents to Controlled Waters Property Type: Chemical industry Location: I C I Yalding, YALDING Authority: Environment Agency, Southern Region Pollutant: Chemicals - Acid Note: Spillage Of Nitric Acid Incident Date: 4th August 1992 Incident Reference: 92T283 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Industrial Chemicals Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	913	2	568600 150300
13	Pollution Incidents to Controlled Waters Property Type: Domestic/Residential Location: Hampstead Lane, YALDING Authority: Environment Agency, Southern Region Pollutant: Oils - Unknown Note: Oil In Ditch Incident Date: 15th January 1993 Incident Reference: 92T475 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Oils/Related Products Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	916	2	568450 150250

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Other General Premises Location: Nettlestead Churchyard Authority: Environment Agency, Southern Region Pollutant: Oils - Diesel (Including Agricultural) Note: Central Heating Tank Leaking Diesel; Miscellaneous Premises: Other Incident Date: 13th August 1995 Incident Reference: 395266 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Oils/Related Products Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A18NE (N)	983	2	568480 152200
	<p>River Quality</p> <p>Name: Medway GQA Grade: River Quality B Reach: Allington Sluices - Ensfield Bridge Estimated Distance (km): 13.5 Flow Rate: Flow less than 20 cumecs Flow Type: River Year: 2000</p>	A14SW (E)	383	2	568643 151175
15	<p>Substantiated Pollution Incident Register</p> <p>Authority: Environment Agency - South East Region, Kent & South London Area Incident Date: 24th July 2002 Incident Reference: 94206 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants And Effects: Chemical Odour</p>	A18NW (N)	705	2	567980 151940
16	<p>Water Abstractions</p> <p>Operator: Farming Acre Ltd Licence Number: 9/40/03/0160/Sr Permit Version: 100 Location: Point C, Pond At Nettlestead Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land Shown Pink On Plan Authorised Start: 01 May Authorised End: 30 September Permit Start Date: 27th February 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A18SE (N)	319	2	568270 151570
17	<p>Water Abstractions</p> <p>Operator: Farming Acre Ltd Licence Number: 9/40/03/0160/Sr Permit Version: 100 Location: River Medway At Nettlestead Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): 114 Yearly Rate (m3): 1363.8 Details: Land Shown Pink On Plan Authorised Start: 01 May Authorised End: 30 September Permit Start Date: 27th February 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A14SW (E)	373	2	568630 151160

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	<p>Water Abstractions</p> <p>Operator: I Milstead Licence Number: 3/0207 /SR Permit Version: Not Supplied Location: Green Farm, NETTLESTEAD Authority: Environment Agency, Southern Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 409 Yearly Rate (m3): 10228.5 Details: River Medway 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>	A9NW (SE)	575	2	568680 150760
19	<p>Water Abstractions</p> <p>Operator: Farming Acre Ltd Licence Number: 9/40/03/0160/Sr Permit Version: 100 Location: Point D, Pond At Nettlestead Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land Shown Pink On Plan Authorised Start: 01 May Authorised End: 30 September Permit Start Date: 27th February 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A17SE (NW)	689	2	567800 151840
20	<p>Water Abstractions</p> <p>Operator: Syngenta Ltd Licence Number: 9/40/03/0163/Sr Permit Version: 101 Location: Point 1, River Medway At Yalding Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Four Parcels Of Land Edged Red On Plan Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 6th December 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A9SW (SE)	835	2	568610 150390
20	<p>Water Abstractions</p> <p>Operator: Syngenta Ltd Licence Number: 9/40/03/0163/Sr Permit Version: 101 Location: Point 1, River Medway At Yalding Authority: Environment Agency, Southern Region Abstraction: Chemicals: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Four Parcels Of Land Edged Red On Plan Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 6th December 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A9SW (SE)	835	2	568610 150390

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	<p>Water Abstractions</p> <p>Operator: Syngenta Ltd Licence Number: 9/40/03/0163/Sr Permit Version: 101 Location: Point 1, River Medway At Yalding Authority: Environment Agency, Southern Region Abstraction: Chemicals: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Four Parcels Of Land Edged Red On Plan Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 6th December 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A9SW (SE)	835	2	568610 150390
21	<p>Water Abstractions</p> <p>Operator: Syngenta Ltd Licence Number: 9/40/03/0163/Sr Permit Version: 101 Location: Point 3, River Medway At Yalding Authority: Environment Agency, Southern Region Abstraction: Chemicals: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Four Parcels Of Land Edged Red On Plan Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 6th December 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A9SE (SE)	979	2	568910 150420
21	<p>Water Abstractions</p> <p>Operator: Syngenta Ltd Licence Number: 9/40/03/0163/Sr Permit Version: 101 Location: Point 3, River Medway At Yalding Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 165 Yearly Rate (m3): 1364 Details: Four Parcels Of Land Edged Red On Plan Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 6th December 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A9SE (SE)	979	2	568910 150420
21	<p>Water Abstractions</p> <p>Operator: Syngenta Ltd Licence Number: 9/40/03/0163/Sr Permit Version: 101 Location: Point 3, River Medway At Yalding Authority: Environment Agency, Southern Region Abstraction: Chemicals: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Four Parcels Of Land Edged Red On Plan Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 6th December 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A9SE (SE)	979	2	568910 150420

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	<p>Water Abstractions</p> <p>Operator: Zeneca Ltd Licence Number: 3/0163/A/SR Permit Version: Not Supplied Location: YALDING Authority: Environment Agency, Southern Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Spring Daily Rate (m3): 891 Yearly Rate (m3): 247757 Details: Additional Purpose: Industrial / 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>	A9SE (SE)	986	2	568915 150415
22	<p>Water Abstractions</p> <p>Operator: Syngenta Ltd Licence Number: 02/141 Permit Version: 2 Location: Point A, Seepage Trench At Zeneca Site, Yalding Authority: Environment Agency, Southern Region Abstraction: Environmental: Pump & Treat: Pollution Remediation Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st December 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A9SW (SE)	983	2	568660 150250
23	<p>Water Abstractions</p> <p>Operator: Syngenta Ltd Licence Number: 9/40/03/0163/Sr Permit Version: 101 Location: Point 2, River Medway At Yalding Authority: Environment Agency, Southern Region Abstraction: Chemicals: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 165 Yearly Rate (m3): 1363.8 Details: Four Parcels Of Land Edged Red On Plan Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 6th December 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A9SW (SE)	998	2	568750 150280
23	<p>Water Abstractions</p> <p>Operator: Syngenta Ltd Licence Number: 9/40/03/0163/Sr Permit Version: 101 Location: Point 2, River Medway At Yalding Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Four Parcels Of Land Edged Red On Plan Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 6th December 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A9SW (SE)	998	2	568750 150280

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	<p>Water Abstractions</p> <p>Operator: Syngenta Ltd Licence Number: 9/40/03/0163/Sr Permit Version: 101 Location: Point 2, River Medway At Yalding Authority: Environment Agency, Southern Region Abstraction: Chemicals: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Four Parcels Of Land Edged Red On Plan Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 6th December 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A9SW (SE)	998	2	568750 150280
	<p>Water Abstractions</p> <p>Operator: Syngenta Ltd Licence Number: 02/141 Permit Version: 2 Location: Point B, Borehole At Zeneca Site, Yalding Authority: Environment Agency, Southern Region Abstraction: Environmental: Pump & Treat: Pollution Remediation Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st December 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A4NW (SE)	1112	2	568770 150160
	<p>Water Abstractions</p> <p>Operator: Clock House Farm Limited Licence Number: So/040/0001/061 Permit Version: 1 Location: Kenward Farm Abstraction Point Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Heat Pump Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 8th July 2020 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A9SE (SE)	1174	2	569169 150412
	<p>Water Abstractions</p> <p>Operator: Southern Water Services Ltd Licence Number: 02/114 Permit Version: 100 Location: River Medway At Yalding Intake Authority: Environment Agency, Southern Region Abstraction: Water Supply Related: Transfer Between Sources Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: For Transfer To Bewl Water Reservoir Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 2nd April 1992 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A9SE (SE)	1205	2	569200 150400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Southern Water Services Ltd Licence Number: 2/114A Permit Version: Not Supplied Location: Yalding Pumping Station, YALDING Authority: Environment Agency, Southern Region Abstraction: Industrial Processing (Miscellaneous) Abstraction Type: Not Supplied Source: Spring Daily Rate (m3): 250000 Yearly Rate (m3): 25000000 Details: Additional Purpose: Public Water Supply 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>	A9SE (SE)	1209	2	569200 150395
	<p>Water Abstractions</p> <p>Operator: Southern Water Services Ltd Licence Number: 02/114 Permit Version: 101 Location: River Medway At Yalding Intake Authority: Environment Agency, Southern Region Abstraction: Water Supply Related: Transfer Between Sources Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: For Transfer To Bewl Water Reservoir Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 22nd November 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A9SE (SE)	1219	2	569212 150394
	<p>Water Abstractions</p> <p>Operator: Clock House Farm Limited Licence Number: 9/40/03/0021/Sr Permit Version: 101 Location: River Medway At Court Lodge Farm, Yalding Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Two Areas Of Land Edged Blue On Map Authorised Start: 15 May Authorised End: 15 September Permit Start Date: 13th May 2019 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A5NW (SE)	1518	2	569250 150000
	<p>Water Abstractions</p> <p>Operator: J A Worley Ltd Licence Number: 9/40/03/0021/Sr Permit Version: 100 Location: River Medway At Court Lodge Farm, Yalding Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): 1036 Yearly Rate (m3): 40186.6 Details: Two Areas Of Land Edged Blue On Map Authorised Start: 15 May Authorised End: 15 September Permit Start Date: 6th December 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A5NW (SE)	1518	2	569250 150000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Syngenta Ltd Licence Number: 9/40/03/0121/Sr Permit Version: 101 Location: Points C-D, River Medway At Yalding Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land Shown Red On Plan Authorised Start: 01 April Authorised End: 31 August Permit Start Date: 21st December 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A4SW (SE)	1520	2	568880 149760
	<p>Water Abstractions</p> <p>Operator: Syngenta Ltd Licence Number: 9/40/03/0121/Sr Permit Version: 101 Location: Points A-B, River Medway At Yalding Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): 5 Yearly Rate (m3): 90.9 Details: Land Shown Red On Plan Authorised Start: 01 April Authorised End: 31 August Permit Start Date: 21st December 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A4SW (S)	1696	2	568740 149520
	<p>Water Abstractions</p> <p>Operator: Clock House Farm Limited Licence Number: 9/40/03/0021/Sr Permit Version: 101 Location: River Beult At Court Lodge Farm, Yalding Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Two Areas Of Land Edged Blue On Map Authorised Start: 15 May Authorised End: 15 September Permit Start Date: 13th May 2019 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A5NE (SE)	1701	2	569610 150120
	<p>Water Abstractions</p> <p>Operator: J A Worley Ltd Licence Number: 9/40/03/0021/Sr Permit Version: 100 Location: River Beult At Court Lodge Farm, Yalding Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Two Areas Of Land Edged Blue On Map Authorised Start: 15 May Authorised End: 15 September Permit Start Date: 6th December 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A5NE (SE)	1701	2	569610 150120

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: English Licence Number: 9/40/03/0064/Sr Permit Version: 101 Location: Point A On The Mereworth Stream, Manor Farm, Wateringbury Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land Edged Red On On Plan Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 24th March 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1870	2	568050 153130
	Water Abstractions Operator: Owen English Licence Number: 9/40/03/0064/Sr Permit Version: 100 Location: Point A On The Mereworth Stream, Manor Farm, Wateringbury Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land Edged Red On On Plan Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 27th February 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1870	2	568050 153130
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Unproductive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: Medium	A13NE (E)	0	3	568216 151207
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: Medium	A13NW (NW)	0	3	568203 151217
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	A13NE (E)	0	3	568216 151207
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13NE (E)	0	3	568216 151207

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (E)	90	2	568347 151209
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 52.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A13NE (E)	0	4	568229 151205
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A13SE (SE)	0	4	568220 151200
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 139.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A13NE (N)	0	4	568227 151235
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A13SE (S)	7	4	568214 151196
28	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 14.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A13SE (S)	9	4	568212 151195
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 203.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A13SW (SW)	17	4	568198 151192
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A13NW (NW)	23	4	568165 151282

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A13SE (E)	27	4	568279 151195
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 78.9 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A13NE (E)	27	4	568284 151214
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 191.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A13NW (NW)	29	4	568160 151286
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 257.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A13NE (E)	98	4	568349 151258
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 240.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A13NE (E)	98	4	568349 151258
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A13SW (W)	180	4	568013 151131
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A13SW (W)	187	4	568007 151130
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A13SW (W)	199	4	567995 151126
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 274.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A13SW (W)	205	4	567988 151125

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 196.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A13NW (NW)	215	4	568029 151418
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 125.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A13SE (E)	270	4	568527 151168
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 147.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A12NE (W)	300	4	567863 151287
43	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 54.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A18SE (N)	322	4	568248 151578
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 122.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A18SE (N)	322	4	568248 151578
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 261.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A18SE (N)	337	4	568302 151578
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 138.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A18SW (N)	341	4	568138 151603
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 201.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medway Catchment Name: Medway Primacy: 1	A14SW (E)	394	4	568652 151165
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 309.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medway Catchment Name: Medway Primacy: 1	A14SW (E)	395	4	568653 151204

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A12SE (W)	406	4	567756 151187
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 92.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A18SW (NW)	411	4	567885 151551
51	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 8.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A12SE (W)	421	4	567743 151176
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 124.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A12SE (W)	426	4	567762 151083
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 131.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A14SW (SE)	442	4	568656 150964
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 368.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medway Catchment Name: Medway Primacy: 1	A14SW (SE)	442	4	568656 150964
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 88.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A8NW (SW)	444	4	567937 150828
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A18SW (N)	449	4	568028 151687
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A18SW (N)	457	4	568017 151692

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A18SW (NW)	460	4	568013 151694
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A18SW (NW)	476	4	567998 151704
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 152.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A19SW (NE)	480	4	568564 151592
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 146.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A18SW (NW)	480	4	567994 151707
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A14NW (NE)	525	4	568726 151461
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 180.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medway Catchment Name: Medway Primacy: 1	A14NW (NE)	525	4	568726 151461
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 61.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A14NW (NE)	534	4	568738 151456
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 196.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A14NW (E)	556	4	568813 151263
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 173.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A14SW (E)	558	4	568786 150975

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A19SW (NE)	589	4	568713 151597
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A14NW (NE)	590	4	568799 151458
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A19SW (NE)	595	4	568715 151602
70	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 45.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A19SW (NE)	605	4	568718 151615
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 80.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A18SW (NW)	606	4	568779 151790
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 93.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A19SW (NE)	643	4	568730 151659
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 111.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medway Catchment Name: Medway Primacy: 1	A19SW (NE)	663	4	568781 151630
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A19SW (NE)	663	4	568781 151630
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 60.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A19SW (NE)	673	4	568830 151577

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A19SW (NE)	680	4	568802 151630
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A19SW (NE)	690	4	568818 151625
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 91.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A14SE (E)	694	4	568943 151047
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A19SW (NE)	707	4	568834 151634
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 233.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medway Catchment Name: Medway Primacy: 1	A9NW (SE)	707	4	568697 150595
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 146.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medway Catchment Name: Medway Primacy: 1	A9NW (SE)	709	4	568710 150604
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 81.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A19SW (NE)	719	4	568848 151634
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 112.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medway Catchment Name: Medway Primacy: 1	A19SW (NE)	724	4	568744 151760
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 904.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A12SW (W)	745	4	567447 151020

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 149.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medway Catchment Name: Medway Primacy: 1	A19SW (NE)	751	4	568702 151827
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 120.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A19SW (NE)	751	4	568702 151827
87	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 4.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A12SW (W)	780	4	567405 151038
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 48.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A14SE (E)	783	4	569032 151039
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A14NE (E)	790	4	569008 151473
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 129.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A19SE (NE)	791	4	568928 151642
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 153.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A9SW (SE)	808	4	568708 150477
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A19NW (NE)	813	4	568640 151940
93	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 13.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A18NE (N)	830	4	568535 152014

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 73.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medway Catchment Name: Medway Primacy: 1	A9SW (SE)	832	4	568634 150405
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A9SW (SE)	832	4	568634 150405
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 143.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A9NW (SE)	833	4	568864 150580
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 174.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A9NE (SE)	836	4	568939 150669
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A19NW (N)	836	4	568549 152014
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medway Catchment Name: Medway Primacy: 1	A19NW (NE)	840	4	568647 151966
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 82.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medway Catchment Name: Medway Primacy: 2	A19NW (NE)	840	4	568647 151966
101	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A19NW (NE)	841	4	568558 152014
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 2	A19NW (NE)	841	4	568558 152014

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 2	A19NW (NE)	843	4	568584 152003
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 63.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 2	A19NW (NE)	843	4	568585 152002
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A19NW (NE)	845	4	568565 152015
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 50.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A19NW (NE)	846	4	568567 152016
107	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A9SW (SE)	849	4	568827 150520
108	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 120.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medway Catchment Name: Medway Primacy: 1	A9SW (SE)	852	4	568816 150506
109	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 42.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medway Catchment Name: Medway Primacy: 1	A19NW (NE)	856	4	568644 151986
110	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 176.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A12NW (W)	883	4	567292 151406
111	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 80.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A9SW (SE)	893	4	568681 150361

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
112	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A9SW (SE)	893	4	568681 150361
113	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A19NW (NE)	895	4	568576 152066
114	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medway Catchment Name: Medway Primacy: 1	A9SW (SE)	895	4	568659 150347
115	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 58.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medway Catchment Name: Medway Primacy: 1	A19NW (NE)	897	4	568658 152026
116	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A19NW (N)	899	4	568555 152081
117	OS Water Network Lines Watercourse Form: Lock or flight of locks Watercourse Length: 32.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medway Catchment Name: Medway Primacy: 1	A9SW (SE)	914	4	568673 150334
118	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A19NW (N)	915	4	568559 152096
119	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A19SE (NE)	917	4	569024 151726
120	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A19SE (NE)	917	4	569024 151726

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
121	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 47.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A19NW (N)	917	4	568562 152097
122	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 67.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A19NW (NE)	929	4	568606 152089
123	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medway Catchment Name: Medway Primacy: 1	A9SW (SE)	943	4	568700 150314
124	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 116.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A9SE (SE)	951	4	568924 150471
125	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medway Catchment Name: Medway Primacy: 1	A9SW (SE)	952	4	568707 150308
126	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 64.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medway Catchment Name: Medway Primacy: 1	A19NW (NE)	953	4	568672 152081
127	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 265.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A12NW (W)	953	4	567208 151310
128	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 137.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A12NW (W)	953	4	567209 151312
129	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 480.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A9SE (SE)	957	4	568976 150518

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
130	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 551.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medway Catchment Name: Medway Primacy: 1	A9SW (SE)	961	4	568715 150302
131	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A3NE (S)	968	4	568332 150180
132	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 58.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A12NW (W)	968	4	567225 151491
133	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 117.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medway Catchment Name: Medway Primacy: 1	A9SE (SE)	970	4	568907 150428
134	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 76.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A8SE (S)	970	4	568499 150206
135	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 86.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A3NE (S)	971	4	568354 150179
136	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A3NE (S)	976	4	568449 150188
137	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A3NE (S)	976	4	568449 150188
138	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Medway Primacy: 1	A11NE (W)	989	4	567192 151444

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Maidstone Borough Council - Has supplied landfill data		0	5	568216 151207
	Local Authority Landfill Coverage Name: Kent County Council - Had landfill data but passed it to the relevant environment agency		0	6	568216 151207
139	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A7SE (SW)	849	-	567752 150458

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Wealden Group	A13NE (E)	0	1	568216 151207
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (E)	0	1	568216 151207
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (S)	144	1	568216 151000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (N)	271	1	568252 151528
140	BGS Recorded Mineral Sites Site Name: Hook Wood Brick And Tile Works Location: Nettlestead Green, Nettlestead, Maidstone, Kent Source: British Geological Survey, National Geoscience Information Service Reference: 132387 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Weald Clay Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	884	1	567759 150410
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	568216 151207
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	568216 151207
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	568216 151207
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	568216 151207

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	568216 151207
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	568216 151207
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	568216 151207
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	568216 151207
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	568216 151207

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
141	Contemporary Trade Directory Entries Name: Primalec Location: Green Farm, Maidstone Road, Nettlestead, MAIDSTONE, Kent, ME18 5HD Classification: Air Conditioning Equipment & Systems Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (S)	68	-	568266 151077
141	Contemporary Trade Directory Entries Name: Landtecnic Ltd Location: Maidstone Road, Nettlestead, Maidstone, Kent, ME18 5HD Classification: Agricultural Machinery - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (S)	68	-	568266 151077
142	Contemporary Trade Directory Entries Name: Charles Watts Ltd Location: Sunnyside, Maidstone Road, Nettlestead, Maidstone, Kent, ME18 5HE Classification: Cabinet Makers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (S)	281	-	568130 150891
143	Contemporary Trade Directory Entries Name: Esquire Print Ltd Location: Maidstone Road, Nettlestead, Maidstone, Kent, ME18 5HP Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	865	-	567783 150417
143	Contemporary Trade Directory Entries Name: Diamond Printed Products Location: Maidstone Road, Nettlestead, Maidstone, Kent, ME18 5HP Classification: Plastics - Injection Moulding Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	865	-	567783 150417
143	Contemporary Trade Directory Entries Name: Diamond Printed Products Ltd Location: Maidstone Road, Nettlestead, Maidstone, Kent, ME18 5HP Classification: Printers - Glass, Metal, Plastics Etc. Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	865	-	567783 150417
143	Contemporary Trade Directory Entries Name: Diamond Photofoil Location: Maidstone Road, Nettlestead, Maidstone, Kent, ME18 5HP Classification: Hot Foil Stamping Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	865	-	567783 150417
143	Contemporary Trade Directory Entries Name: Michael Cass Garages Ltd Location: Maidstone Road, Nettlestead, Maidstone, Kent, ME18 5HP Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	865	-	567783 150417
143	Contemporary Trade Directory Entries Name: Diamond Printed Products (Plastic Printers) Location: Maidstone Rd, Nettlestead, Maidstone, Kent, ME18 5HP Classification: Printers - Glass, Metal, Plastics Etc. Status: Inactive Positional Accuracy: Manually positioned to the address or location	A7SE (SW)	867	-	567782 150416
143	Contemporary Trade Directory Entries Name: Diamond Plastics Ltd Location: Unit 2 Diamond Works, Maidstone Rd, Nettlestead, Maidstone, Kent, ME18 5HP Classification: Plastics - Injection Moulding Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A7SE (SW)	878	-	567766 150413
143	Contemporary Trade Directory Entries Name: Vak Transfers Ltd Location: Maidstone Rd, Nettlestead, Maidstone, Kent, ME18 5HP Classification: Screen Process Printers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A7SE (SW)	888	-	567806 150376

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
143	Contemporary Trade Directory Entries Name: D V Godden Location: Maidstone Road, Nettlestead, Maidstone, ME18 5HP Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	889	-	567756 150406
143	Contemporary Trade Directory Entries Name: Conway Motors Location: Unit 4, Diamond Works, Maidstone Road, Nettlestead, Maidstone, ME18 5HP Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	889	-	567756 150406
143	Contemporary Trade Directory Entries Name: H M C Electrical Services Ltd Location: Maidstone Road, Nettlestead, Maidstone, Kent, ME18 5HP Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A7SE (SW)	889	-	567756 150406
143	Contemporary Trade Directory Entries Name: Godden Engineering Location: Unit 4, Diamond Works, Maidstone Road, Nettlestead, Maidstone, ME18 5HP Classification: Precision Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	889	-	567756 150406
144	Points of Interest - Commercial Services Name: Cass Location: Unit 3, Maidstone Rd, Nettlestead, Maidstone, Kent, ME18 5HP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7SE (SW)	866	7	567783 150416
144	Points of Interest - Commercial Services Name: Michael Cass Garages Ltd Location: Diamond Works, Maidstone Road, Nettlestead, Maidstone, ME18 5HP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7SE (SW)	866	7	567783 150416
144	Points of Interest - Commercial Services Name: Conway Motors Location: Unit 4 Diamond Works, Maidstone Road, Nettlestead, Maidstone, ME18 5HP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7SE (SW)	889	7	567756 150406
145	Points of Interest - Manufacturing and Production Name: A Honey & Son Location: Diamond Place Farm, Maidstone Road, Nettlestead, Maidstone, ME18 5HB Category: Farming Class Code: Arable Farming Positional Accuracy: Positioned to address or location	A13NE (N)	294	7	568332 151515
146	Points of Interest - Manufacturing and Production Name: Farmingacre Ltd Location: Nettlestead Place, Maidstone Road, Nettlestead, Maidstone, ME18 5HA Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A18NE (N)	873	7	568545 152056
146	Points of Interest - Manufacturing and Production Name: Farmingacre Ltd Location: Nettlestead Place, Maidstone Road, Nettlestead, Maidstone, ME18 5HA Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A18NE (N)	873	7	568545 152056
147	Points of Interest - Manufacturing and Production Name: Tank Location: ME18 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	973	7	568662 150262
147	Points of Interest - Manufacturing and Production Name: Tanks Location: ME18 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	988	7	568660 150244

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
148	Points of Interest - Manufacturing and Production Name: Tank Location: ME18 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A17NW (NW)	999	7	567420 151913
149	Points of Interest - Manufacturing and Production Name: Tanks Location: ME18 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	1000	7	569067 150565
150	Points of Interest - Public Infrastructure Name: Sluice Location: ME18 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	967	7	568724 150300
150	Points of Interest - Public Infrastructure Name: Sluice Location: ME18 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	972	7	568731 150298
151	Points of Interest - Public Infrastructure Name: Yalding Rail Station Location: Hampstead Lane, ME18 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A3NE (S)	1000	7	568477 150170
151	Points of Interest - Public Infrastructure Name: Yalding Station Location: Hampstead Lane, ME18 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A3NE (S)	1000	7	568477 150170
152	Points of Interest - Recreational and Environmental Name: Play Area Location: ME18 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	932	7	569152 151488

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
153	Ancient Woodland Name: Moat/Hale Park Woods Reference: 1500690 Area(m ²): 56900.25 Type: Ancient and Semi-Natural Woodland	A13NW (NW)	239	8	567993 151414
154	Ancient Woodland Name: Not Supplied Reference: 1500443 Area(m ²): 12177.87 Type: Ancient and Semi-Natural Woodland	A13NE (N)	295	8	568280 151541
155	Ancient Woodland Name: Not Supplied Reference: 1500595 Area(m ²): 11959.77 Type: Ancient and Semi-Natural Woodland	A12SE (SW)	384	8	567863 150993
156	Ancient Woodland Name: Moat/Hale Park Woods Reference: 1500686 Area(m ²): 17319.94 Type: Ancient and Semi-Natural Woodland	A12SE (W)	406	8	567756 151187
157	Ancient Woodland Name: Moat/Hale Park Woods Reference: 1500691 Area(m ²): 4783.01 Type: Ancient and Semi-Natural Woodland	A17SE (NW)	518	8	567813 151631
158	Ancient Woodland Name: Moat/Hale Park Wood Reference: 1501640 Area(m ²): 830892.45 Type: Ancient and Semi-Natural Woodland	A12SE (SW)	527	8	567708 150964
159	Ancient Woodland Name: Not Supplied Reference: 1500422 Area(m ²): 4705.92 Type: Ancient and Semi-Natural Woodland	A8NE (S)	553	8	568236 150591
160	Ancient Woodland Name: Not Supplied Reference: 1500447 Area(m ²): 3757.13 Type: Ancient and Semi-Natural Woodland	A17SE (NW)	582	8	567859 151750
161	Ancient Woodland Name: Not Supplied Reference: 1500906 Area(m ²): 9564.63 Type: Ancient and Semi-Natural Woodland	A8NW (S)	602	8	568053 150576
162	Ancient Woodland Name: Not Supplied Reference: 1500461 Area(m ²): 13574.83 Type: Ancient and Semi-Natural Woodland	A18NW (N)	762	8	567924 151983
163	Ancient Woodland Name: Alder Shaw Reference: 1500451 Area(m ²): 4770.32 Type: Ancient and Semi-Natural Woodland	A19SW (NE)	778	8	568772 151807
164	Ancient Woodland Name: Alder Shaw Reference: 1500446 Area(m ²): 19077.01 Type: Ancient and Semi-Natural Woodland	A19SE (NE)	809	8	568890 151730
165	Areas of Adopted Green Belt Authority: Maidstone Borough Council Plan Name: Proposal Map Status: Adopted Plan Date: 25th October 2017	A13NE (E)	0	9	568216 151207
166	Nitrate Vulnerable Zones Name: Maidstone Description: Groundwater Source: Environment Agency, Head Office	A19SW (NE)	831	3	568827 151833

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office Tunbridge Wells Borough Council - Environmental Health Department Maidstone Borough Council - Environmental Health Department Tonbridge And Malling Borough Council - Environmental Health Department	June 2020 October 2017 September 2017 September 2017	Annually Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Southern Region	October 2021	Quarterly
Enforcement and Prohibition Notices Environment Agency - Southern Region	March 2013	
Integrated Pollution Controls Environment Agency - Southern Region	January 2009	
Integrated Pollution Prevention And Control Environment Agency - South East Region - Kent & South London Area Environment Agency - Southern Region	October 21 October 21	Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control Tonbridge And Malling Borough Council - Environmental Health Department Tunbridge Wells Borough Council - Environmental Health Department Maidstone Borough Council - Environmental Health Department	April 2014 August 2013 June 2016	Variable Variable Variable
Local Authority Pollution Prevention and Controls Tonbridge And Malling Borough Council - Environmental Health Department Tunbridge Wells Borough Council - Environmental Health Department Maidstone Borough Council - Environmental Health Department	April 2014 August 2013 June 2016	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Tonbridge And Malling Borough Council - Environmental Health Department Tunbridge Wells Borough Council - Environmental Health Department Maidstone Borough Council - Environmental Health Department	April 2014 August 2013 June 2016	Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	August 2021	
Pollution Incidents to Controlled Waters Environment Agency - Southern Region	December 1999	
Prosecutions Relating to Authorised Processes Environment Agency - Southern Region	July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - Southern Region	March 2013	
Registered Radioactive Substances Environment Agency - Southern Region	June 2016	Annually
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	April 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	April 2012	Annually
Substantiated Pollution Incident Register Environment Agency - South East Region - Kent & South London Area Environment Agency - Southern Region - Kent Area Environment Agency - Southern Region - Kent and East Sussex	October 2021 October 2021 October 2021	Quarterly Quarterly Quarterly
Water Abstractions Environment Agency - Southern Region	October 2021	Quarterly
Water Industry Act Referrals Environment Agency - Southern Region	October 2017	Quarterly
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified

Agency & Hydrological	Version	Update Cycle
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	May 2021	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	September 2021	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	September 2021	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	September 2021	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	September 2021	Quarterly
Flood Defences Environment Agency - Head Office	September 2021	Quarterly
OS Water Network Lines Ordnance Survey	July 2021	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually








Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	May 2021	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Southern Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - South East Region - Kent & South London Area Environment Agency - Southern Region - Kent Area Environment Agency - Southern Region - Kent and East Sussex	October 2021 October 2021 October 2021	Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - South East Region - Kent & South London Area Environment Agency - Southern Region - Kent Area Environment Agency - Southern Region - Kent and East Sussex	October 2021 October 2021 October 2021	Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Kent County Council - Waste Management Group Maidstone Borough Council - Environmental Health Department Tonbridge And Malling Borough Council - Environmental Health Department Tunbridge Wells Borough Council - Environmental Health Department	February 2003 February 2003 February 2003 February 2003	Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Kent County Council - Waste Management Group Maidstone Borough Council - Environmental Health Department Tonbridge And Malling Borough Council - Environmental Health Department Tunbridge Wells Borough Council - Environmental Health Department	October 2018 October 2018 October 2018 October 2018	
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	
Registered Landfill Sites Environment Agency - Southern Region - Kent Area Environment Agency - Southern Region - Kent and East Sussex	March 2006 March 2006	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - Southern Region - Kent Area Environment Agency - Southern Region - Kent and East Sussex	April 2018 April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - Southern Region - Kent Area Environment Agency - Southern Region - Kent and East Sussex	June 2015 June 2015	

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Maidstone Borough Council Tonbridge And Malling Borough Council Tonbridge Wells Borough Council - Planning Department Kent County Council	February 2016 February 2016 February 2016 January 2016	Variable Variable Variable Variable
Planning Hazardous Substance Consents Maidstone Borough Council Tonbridge And Malling Borough Council Tonbridge Wells Borough Council - Planning Department Kent County Council	February 2016 February 2016 February 2016 January 2016	Variable Variable Variable Variable
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	Annually
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2021	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	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	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	October 2021	Quarterly
Fuel Station Entries Catalist Ltd - Experian	November 2021	Quarterly
Gas Pipelines National Grid	October 2021	Annually
Points of Interest - Commercial Services PointX	December 2021	Quarterly
Points of Interest - Education and Health PointX	December 2021	Quarterly
Points of Interest - Manufacturing and Production PointX	December 2021	Quarterly
Points of Interest - Public Infrastructure PointX	December 2021	Quarterly
Points of Interest - Recreational and Environmental PointX	December 2021	Quarterly
Underground Electrical Cables National Grid	May 2021	Annually

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt Maidstone Borough Council Tonbridge And Malling Borough Council Tonbridge Wells Borough Council	October 2020 October 2020 October 2020	Quarterly Quarterly Quarterly
Areas of Unadopted Green Belt Maidstone Borough Council Tonbridge And Malling Borough Council Tonbridge Wells Borough Council	October 2020 October 2020 October 2020	Quarterly Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural England	January 2021	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2021	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	January 2021	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 June 2017	Bi-Annually
Ramsar Sites Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2021	Bi-Annually
Special Areas of Conservation Natural England	July 2020	Bi-Annually
Special Protection Areas Natural England	February 2021	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	

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	Maidstone Borough Council - Environmental Health Department Maidstone House, King Street, Maidstone, Kent, ME15 6JQ	Telephone: 01622 602000 Fax: 01622 602444 Website: www.maidstone.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	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
8	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
9	Maidstone Borough Council Maidstone House, King Street, Maidstone, Kent, ME15 6JQ	Telephone: 01622 602000 Fax: 01622 602444 Website: www.maidstone.gov.uk
10	Tonbridge And Malling Borough Council Park Building, Gibson Building, Gibson Drive, West Malling, Kent, ME19 4LZ	Telephone: 01732 844522 Fax: 01732 842170 Website: www.tmbc.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.



APPENDIX B: 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

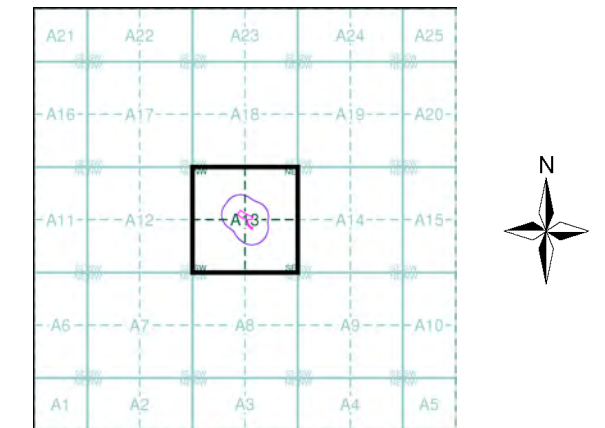
Cliff **Slopes** **Top**
Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **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	1885	2
Kent	1:2,500	1897	3
Kent	1:2,500	1908	4
Kent	1:2,500	1938	5
Ordnance Survey Plan	1:2,500	1961 - 1962	6
Additional SIMs	1:2,500	1961 - 1991	7
Additional SIMs	1:2,500	1962 - 1991	8
Ordnance Survey Plan	1:2,500	1976	9
Supply of Unpublished Survey Information	1:2,500	1976	10
Additional SIMs	1:2,500	1991	11
Large-Scale National Grid Data	1:2,500	1992	12
Large-Scale National Grid Data	1:2,500	1993	13
Historical Aerial Photography	1:2,500	1999	14

Historical Map - Segment A13



Order Details

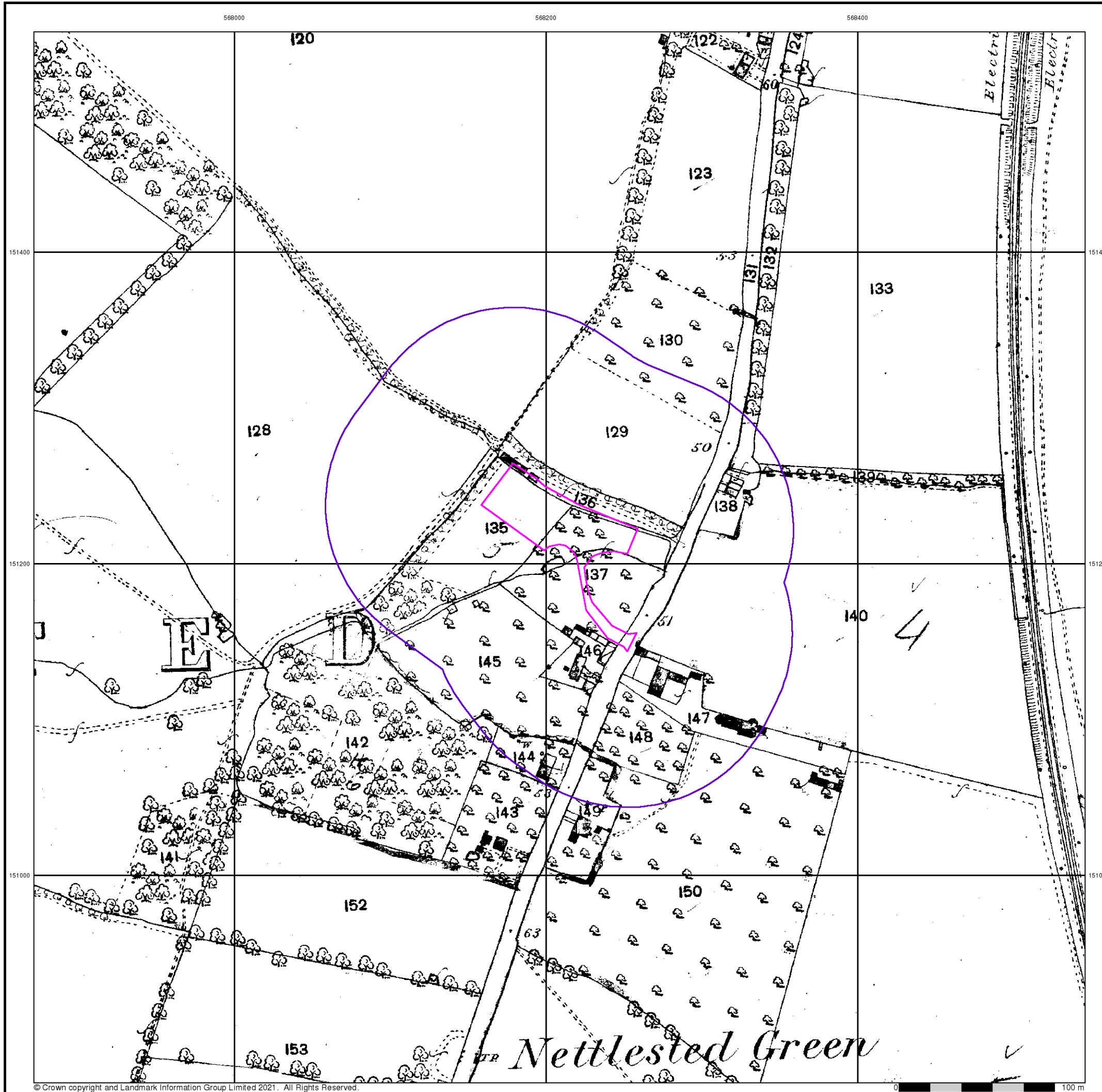
Order Number: 288709208_1_1
 Customer Ref: 4207
 National Grid Reference: 568220, 151210
 Slice: A
 Site Area (Ha): 0.33
 Search Buffer (m): 100

Site Details

The Meadows, Maidstone Road, Nettlestead, MAIDSTONE, ME18 5HE



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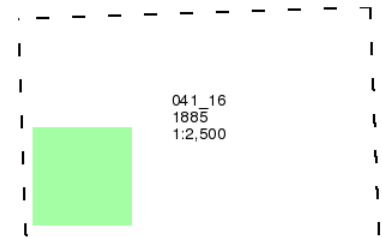
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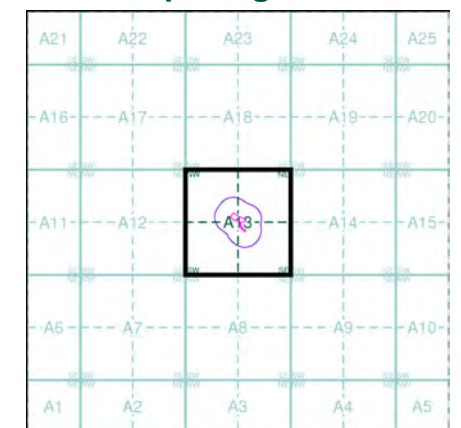
Kent
Published 1885
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



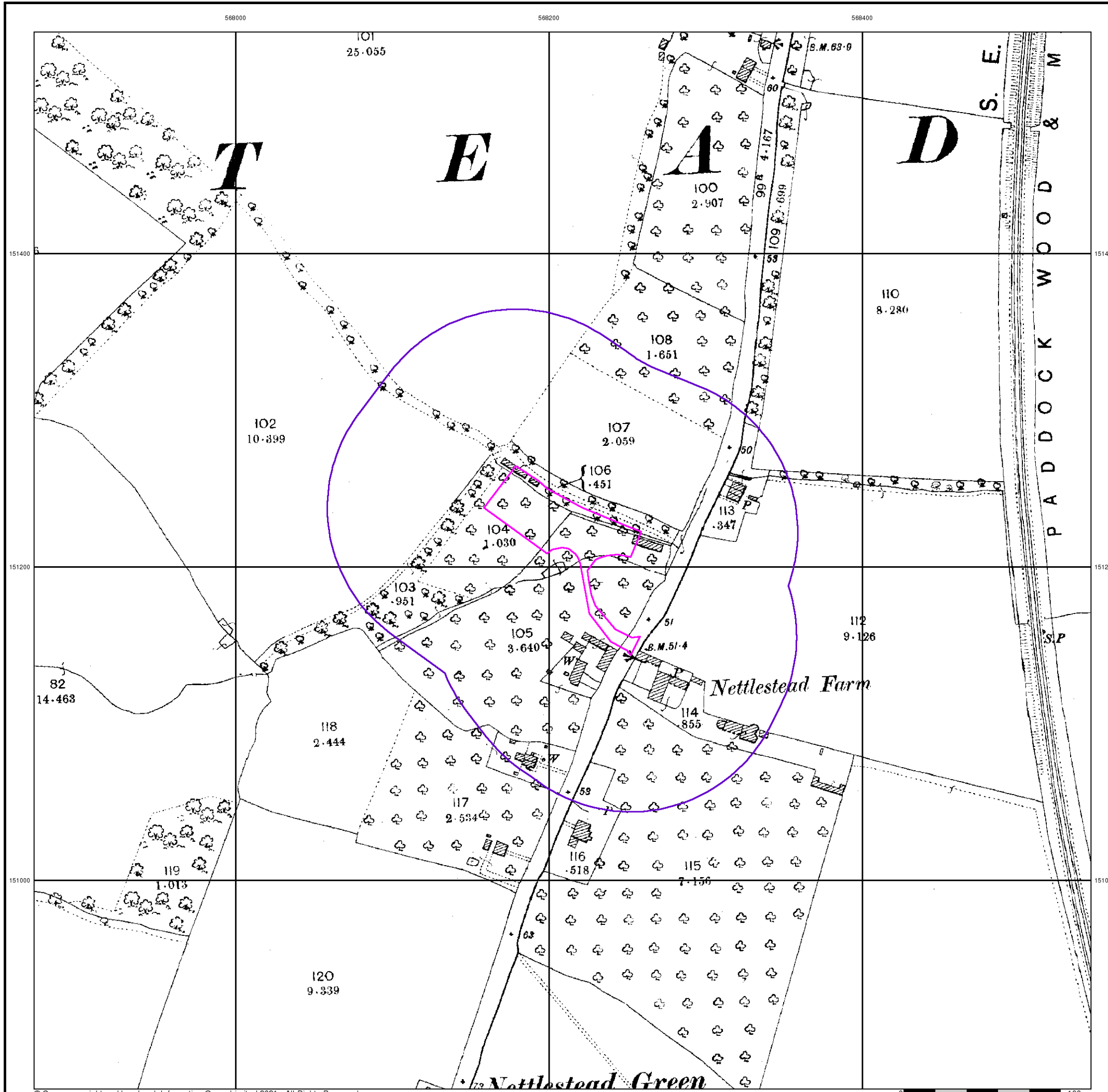
Historical Map - Segment A13



Order Details
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 Search Buffer (m): 100

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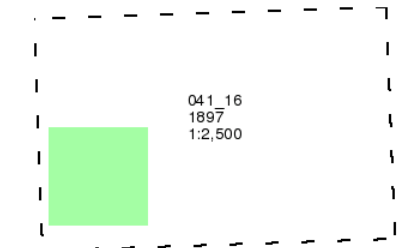
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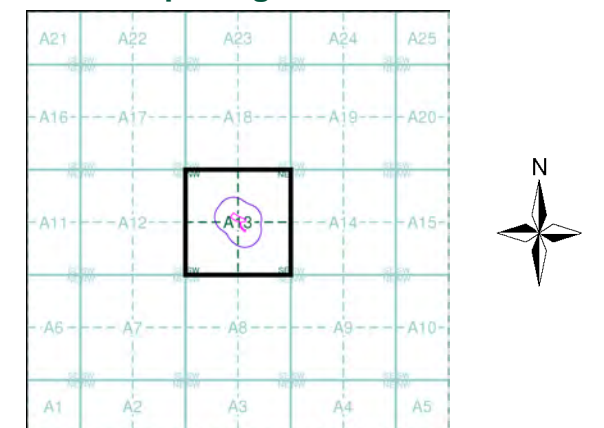
Kent
Published 1897
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

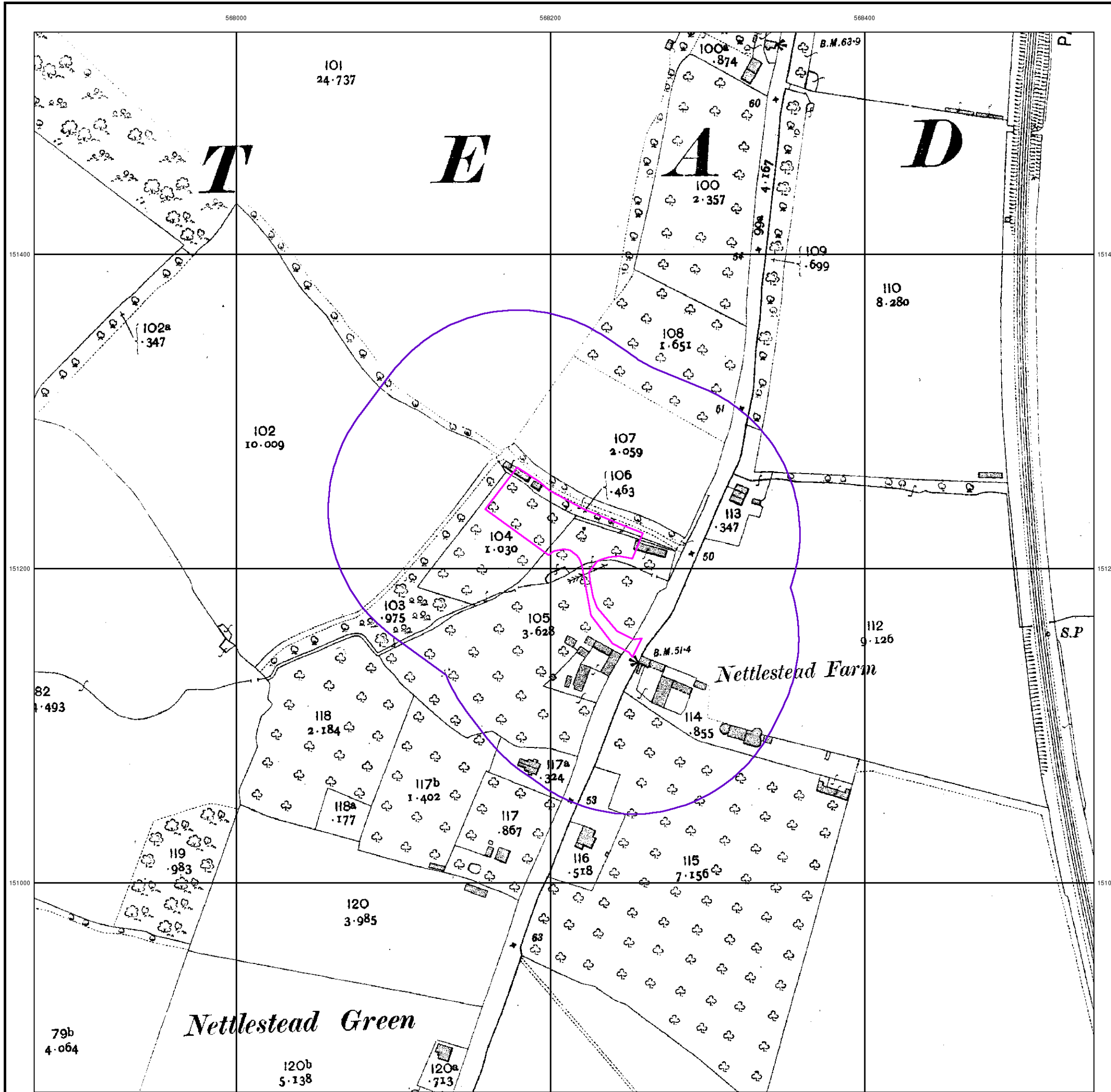


Historical Map - Segment A13



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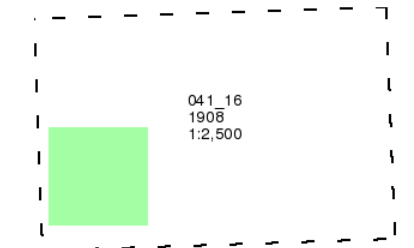
Site Details
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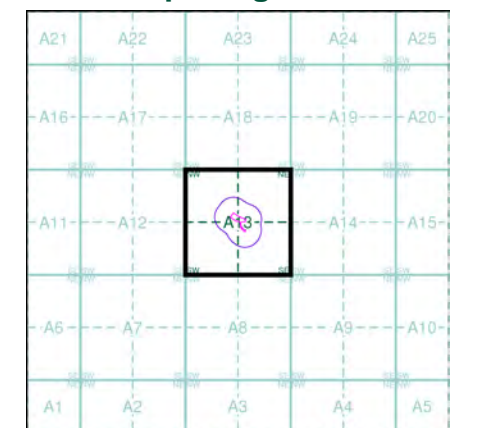
Kent
Published 1908
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



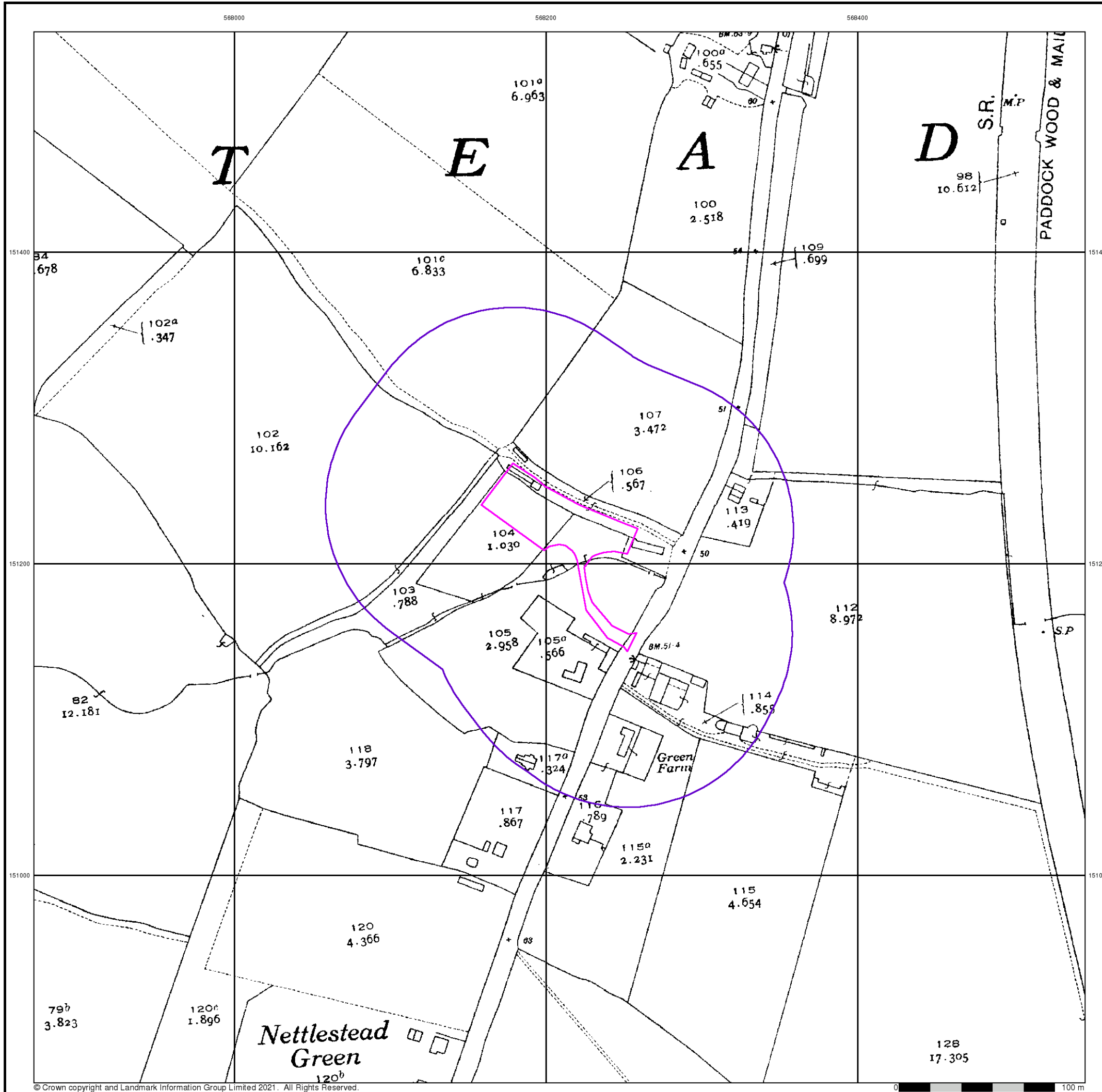
Historical Map - Segment A13



Order Details
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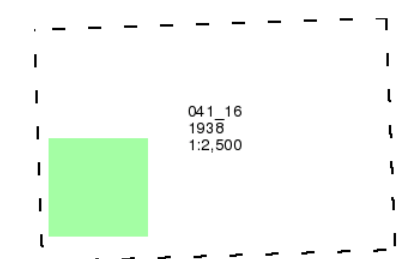
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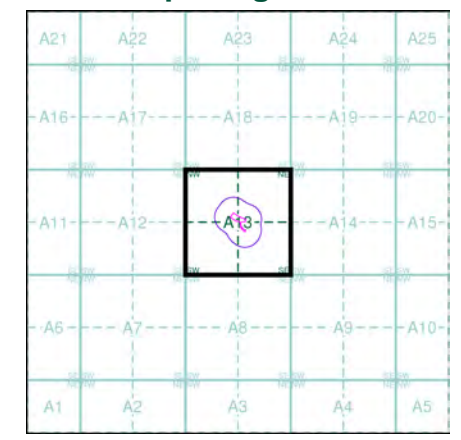
Kent
Published 1938
Source map scale - 1:2,500

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)



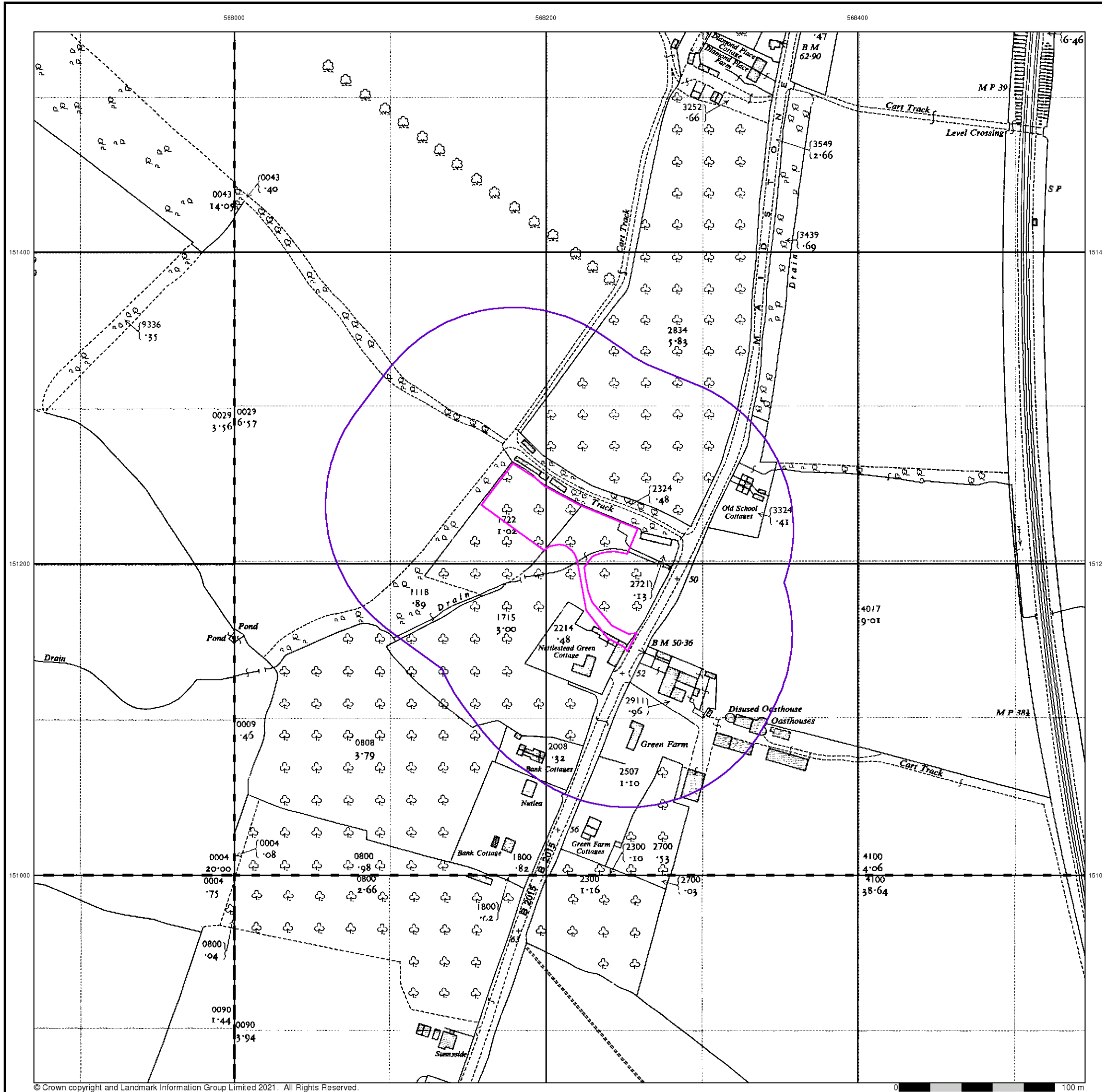
Historical Map - Segment A13



Order Details
 Order Number: 288709208_1_1
 Customer Ref: 4207
 National Grid Reference: 568220, 151210
 Slice: A
 Site Area (Ha): 0.33
 Search Buffer (m): 100

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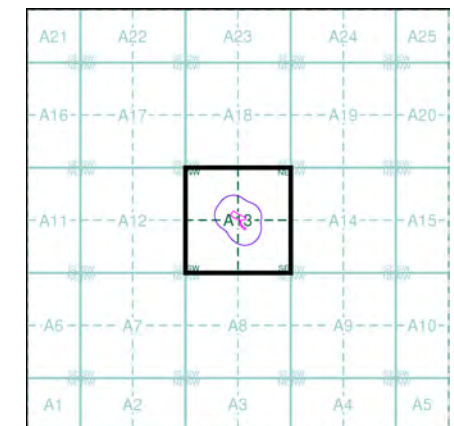
Ordnance Survey Plan Published 1961 - 1962 Source map scale - 1:2,500

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)

TQ6751 1962 1:2,500	TQ6851 1961 1:2,500
TQ6750 1962 1:2,500	TQ6850 1961 1:2,500

Historical Map - Segment A13



Order Details

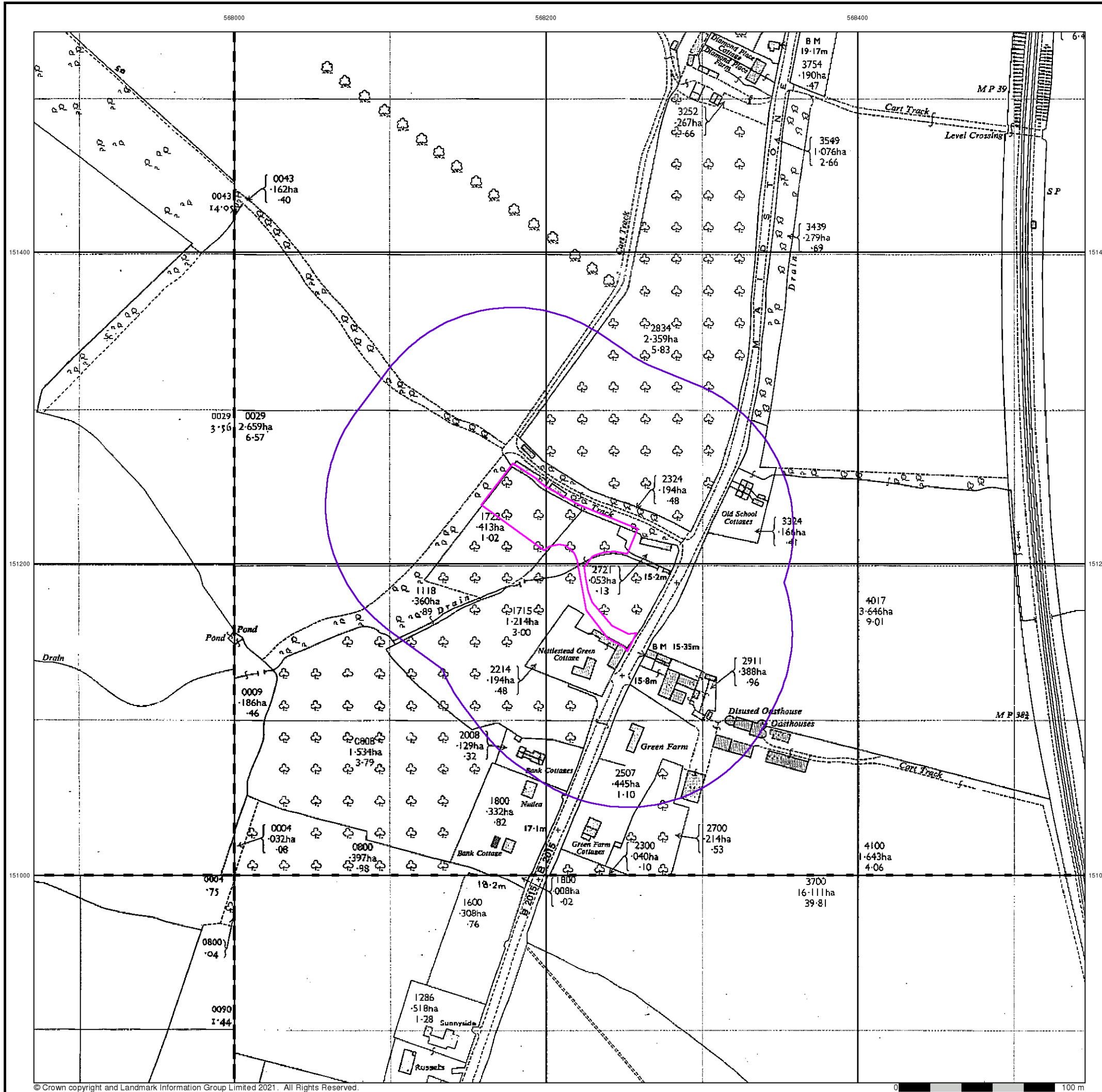
Order Number: 288709208_1_1
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 Slice: A
 Site Area (Ha): 0.33
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Additional SIMs

Published 1961 - 1991

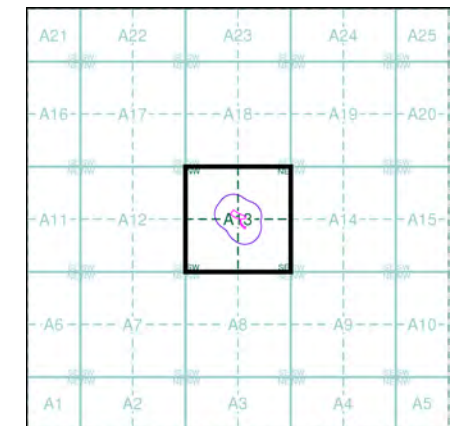
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TQ6751 1991 12,500	TQ6851 1961 12,500
TQ6750 1962 12,500	TQ6850 1991 12,500

Historical Map - Segment A13



Order Details

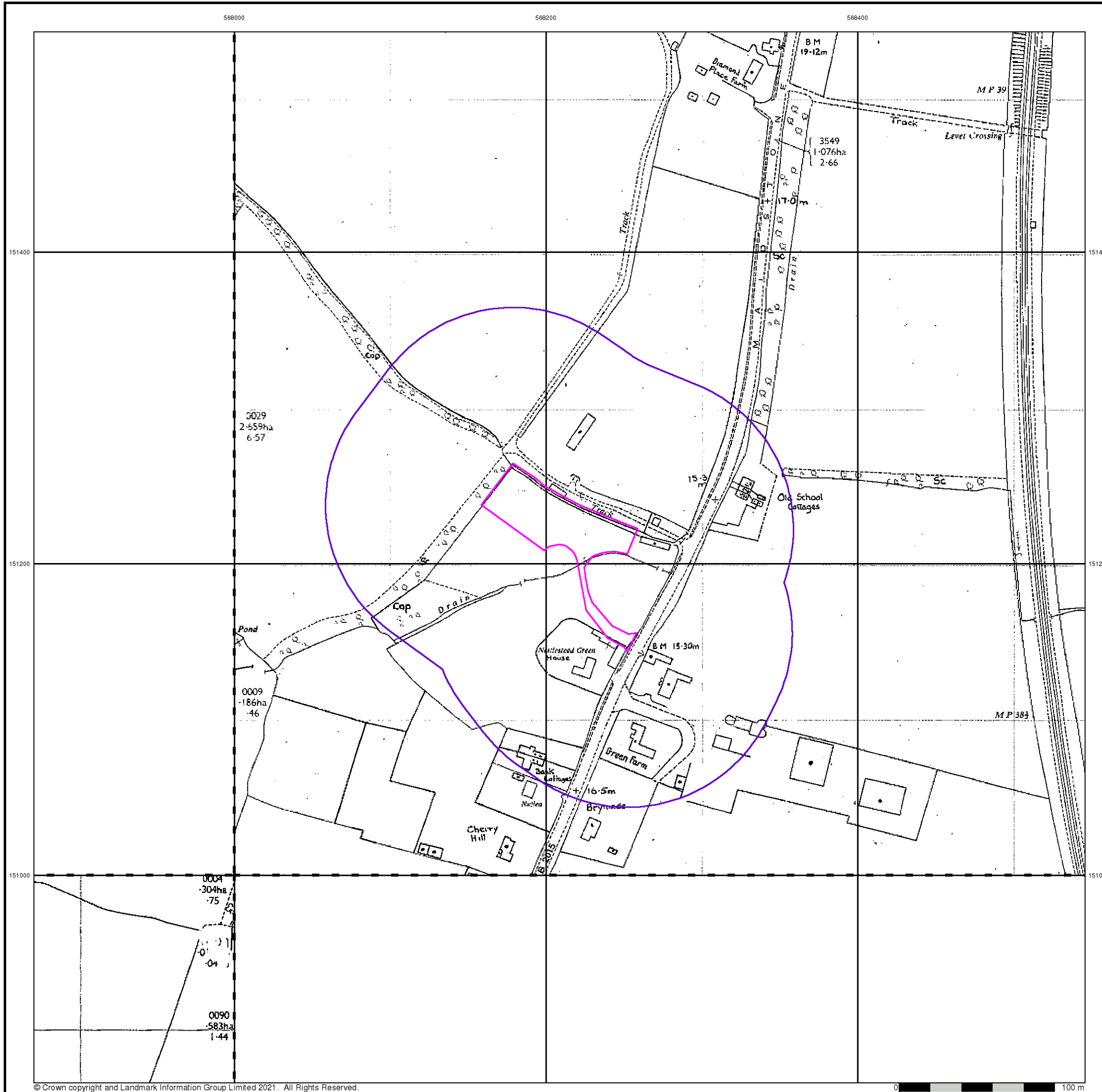
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 National Grid Reference: 568220, 151210
 Slice: A
 Site Area (Ha): 0.33
 Search Buffer (m): 100

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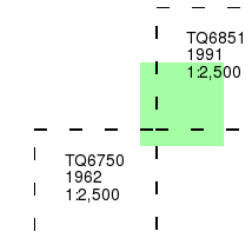
Additional SIMs

Published 1962 - 1991

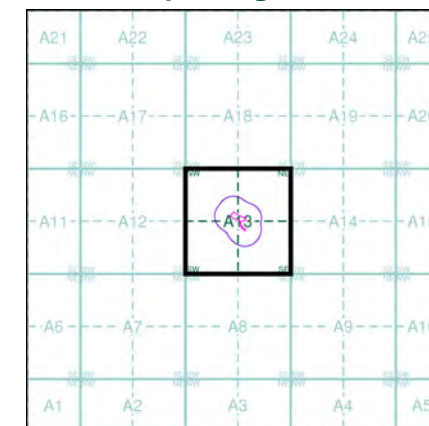
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

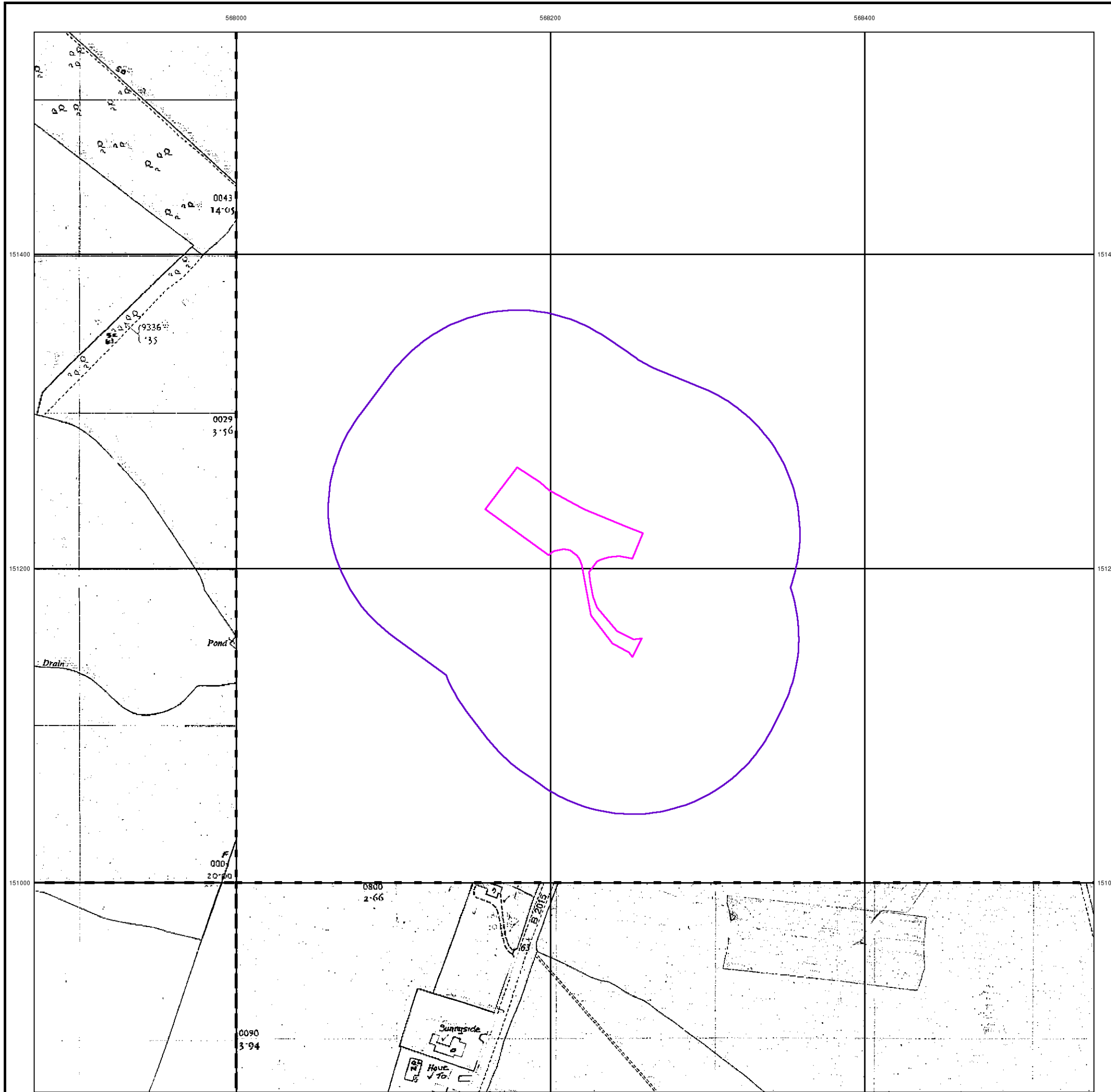
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 National Grid Reference: 568220, 151210
 Slice: A
 Site Area (Ha): 0.33
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Supply of Unpublished Survey Information

Published 1976

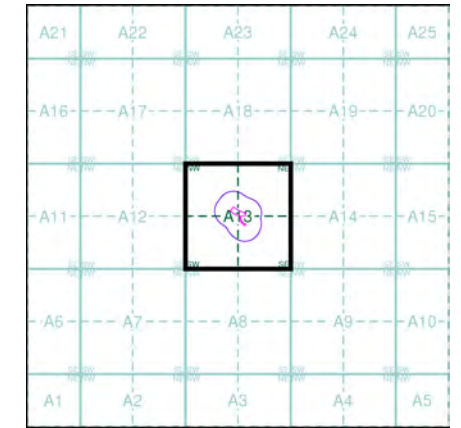
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TQ6751 1976 1:2,500		
TQ6750 1976 1:2,500		TQ6850 1976 1:2,500

Historical Map - Segment A13



Order Details

Order Number: 288709208_1_1
 Customer Ref: 4207
 National Grid Reference: 568220, 151210
 Slice: A
 Site Area (Ha): 0.33
 Search Buffer (m): 100

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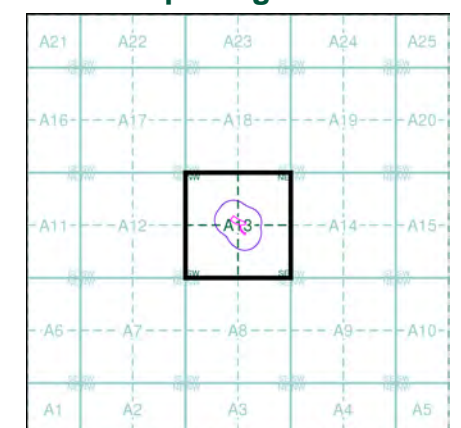
Large-Scale National Grid Data
Published 1992
Source map scale - 1:2,500

'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)

TQ6751 1992 1:2,500	TQ6851 1992 1:2,500
TQ6750 1992 1:2,500	TQ6850 1992 1:2,500

Historical Map - Segment A13



Order Details

Order Number: 288709208_1_1
 Customer Ref: 4207
 National Grid Reference: 568220, 151210
 Slice: A
 Site Area (Ha): 0.33
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568000

568200

568400

151400

151400

151200

151200

151000

151000



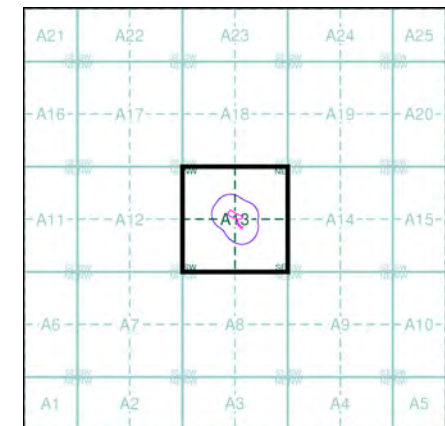
LUSTRE
CONSULTING

Historical Aerial Photography

Published 1999

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

Historical Aerial Photography - Segment A13



Order Details

Order Number: 288709208_1_1
 Customer Ref: 4207
 National Grid Reference: 568220, 151210
 Slice: A
 Site Area (Ha): 0.33
 Search Buffer (m): 100

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2nd Floor North, Fitted Rigging House,
The Historic Dockyard, Chatham, Kent, ME4 4TZ
e: info@lustreconsulting.com | t: 01634 757 705
www.lustreconsulting.com