

Phase 1 Desk Study

Titmore Green Farm - Little Wymondley



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Non-Technical Summary

What is Proposed?	It is understood that development proposals for the site involve the conversion of two linked agricultural buildings to mixed commercial and residential use. The proposed development will comprise conversion of the larger western barn to three business/storage units with an external parking area within an existing concrete surfaced yard area. It is understood the scheme involves clearance of the walled yard, removal of the timber perimeter walls and removal of the derelict former menage (paddock) through conversion to soft landscaping. Proposals for the smaller adjoining barn to the eastern side involve conversion to a single-family dwelling with a private garden, private driveway and landscaping works.
What is the Problem?	The following potential sources of contamination have been identified: ▶ Onsite – Current and historic use of the site for agricultural buildings with a yard. Small scale and bulk storage of hazardous substances (drum of red diesel), parked vehicles and burning grounds were identified during the site walkover.
What is the Result?	Potential contamination from the current/historical use of the site for agricultural buildings / yard has been identified to represent unacceptable risk to the following receptors: ▶ Moderate/ low risk to residents and site visitors through direct and indirect contact with contaminated soils ▶ Moderate/ low risk to groundwater within the Glaciofluvial Deposits (Secondary A aquifer) and Holywell Nodular Chalk Formation and New Pit Chalk Formation (Principal aquifer) through the vertical migration of contaminants.
What are the Next Steps?	This report should be submitted to the local planning authority to support the planning application. To mitigate the above identified risks, the following elements will need to be carried out on award of planning: ▶ Undertake a Phase 2 Site Investigation to determine the contaminative status of the shallow soils and the condition of any shallow groundwater. ▶ Further investigation into the underground cavity observed onsite to determine if there is/was a tank there. ▶ A Non-Specialist Watching Brief is recommended during the groundworks and construction phase to identify any visual or olfactory evidence of contamination.

Report Record

Project Name	Titmore Green Farm - Stevenage
Client	Haydenlang Ltd
Report Type	Phase 1 Desk Study
Report Ref	R235-PH1-01.0_4948
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Author	Maddie Edwards - BSc (Hons)
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Report Revisions

Revision Ref	Date	Author	Details
Rev A	Dec 2024	ME	Updated proposed development plan to include commercial and residential use

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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 its 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	Titmore Green Farm, Titmore Green in Little Wymondley, near Hitchin, Hertfordshire, SG4 7JT
Eastings, Northings	521368, 226480
Area	0.44ha

- 1.5 The site currently comprises a double agricultural barn on the eastern side and a smaller open barn structure just north of this main barn. External parts of the site include a walled yard area on the western side, a vacant derelict paddock to the south and access tracks around the site. The site is located within

a mixed rural and residential area with a residential dwelling and commercial development adjacent to the north. The site area is shown in teal in Figure 1.



Figure 1 Site Location Plan

The Proposed Development

- 1.6 It is understood that the site is proposed to be redeveloped to provide a mixed residential and commercial scheme, with two related planning applications as follows:

Building 1 – “Change of use of agricultural building to three business/storage units (Commercial Business Services Use Class E(g)(iii) light industrial and Storage and Distribution B8); external alterations and recladding; demolition of open storage yard, layout of car parking, construction of cycle store and all ancillary works.”

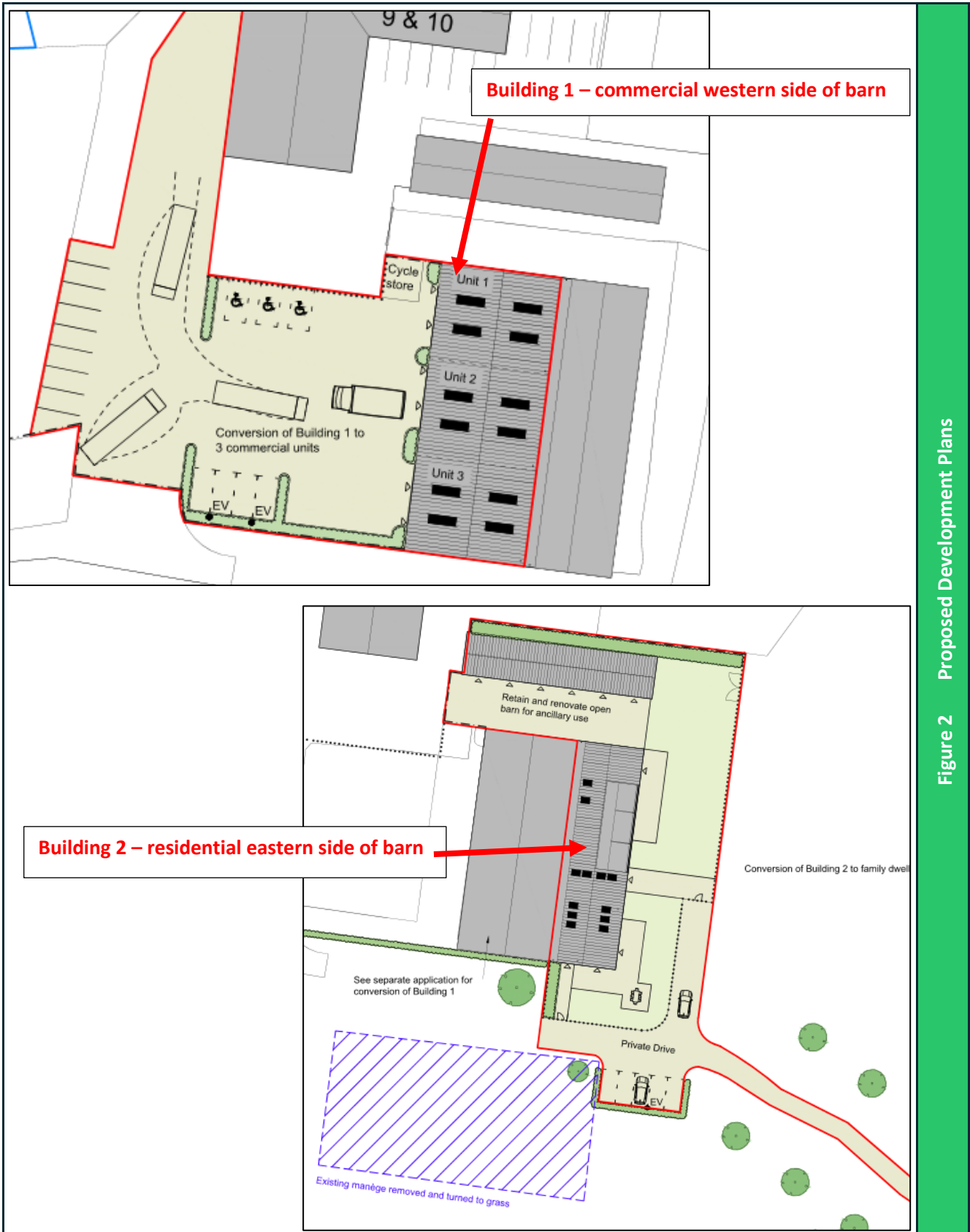
Building 2 - “Change of use of agricultural building to one x 5 bedroomed single-family dwelling; external alterations and re-cladding; demolition of outdoor menage; re-cladding and external alterations to Atcost Barn for use with dwelling; layout of parking, landscaping and all ancillary works”.

- 1.7 In summary, development proposals involve the conversion of the large agricultural barn onsite into three commercial units on the western side, and into a single residential unit on the eastern side, as



shown by the plans in Figure 2. The commercial units will be served by an access road leading from Stevenage Road to a car park for commercial site users, on the western side of the barn. The car park will be within the existing concrete surfaces yard area and will include soft verges. The existing walled yard towards the western side of the site will be cleared and timber sleeper walls removed.

- 1.8 The residential dwelling will be served by an access road leading from Lower Titmore Green to a private driveway and gardens on the eastern side of the barn. An open barn structure located north of the main barn is proposed to also be renovated to offer ancillary space to the residential dwelling. Asbestos sheeting in the roof of this structure will be removed and the building repaired and re-clad. An existing derelict menage (paddock) to the south of the barn is set to be removed and returned to grassed soft landscaping.
- 1.9 External parts of the site will therefore include comprise soft verges, a commercial car park, access roads, a private driveway and private gardens associated with the residential dwelling. There are no basements, undercroft car parking or other underground structures anticipated with below ground features limited to foundations and buried services.
- 1.10 Enabling works to permit the development are understood to involve the partial clearance of the site with all features being removed, other than the main barn. It is understood that site levels will remain relatively similar to that present.





The Stakes & Objectives

- 1.11 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.
- 1.12 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

- 1.13 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 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.
- 1.14 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.
- 1.15 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 15th February 2024. Maddie Edwards and Karen Denbow were present throughout the site walkover and access was granted to the main barn and all external areas.



Figure 3 Aerial Imagery



Double agricultural barn



Open barn structure to north

Overview

- 2.3 At the time of the site walkover the site comprised a double agricultural barn on the east side, an open barn structure just north of this main barn, a derelict paddock to the south and a walled yard area on the west side.
- 2.4 Hardstanding was recorded to comprise concrete and tarmacadam, with hardstanding comprising approximately 85% of the site footprint, including the barn structures. Areas of soft landscaping were limited to soft verges, a muddy gravel track to the south of the barn and yard, and a small area of bare ground in the western side of the barn. Based on the observations during the site walkover, the hardstanding (where present) was generally noted to be in poor condition due to heavy vegetation coverage and widespread cracking.
- 2.5 The site is currently used for the storage of a wide variety of materials including: dry goods, construction equipment and materials, agricultural equipment and landscaping equipment. Further details are included throughout this walkover section.
- 2.6 The site is also currently used for parking, storage and maintenance of vehicles. Two cars were present at the time of the walkover: one in the open barn structure and one to the south of the main barn. A truck was stored in the walled yard and another one was parked between the main barn and yard area. One forklift was present south of the main barn. A mini excavator was observed within the western side of the main barn, in addition to a large tractor. A smaller tractor was present in the open barn structure.
- 2.7 Significant vegetation was not observed onsite with flora limited to the grass and moss that covered the hardstanding and formed soft verges. As such, no invasive species were noted.



- 2.8 No surface water features were observed on site. Only surface water run-off (from roof areas and hardstanding) is generated on site. Lustre has not been made aware of any oil / water interceptors within the site drainage system by the Client. Existing drainage plans were not made available for viewing. Although drainpipes were present on the main barn these were for rainwater collection. No evidence of formal drainage was present on site.

Main Barn

- 2.9 The main barn, understood to have been constructed circa 1991, was noted as being a steel frame construction with concrete block walls from ground level up to a height of 2.5m, with spaced wooden panelling extending vertically further up to the eaves of the building to encourage air flow. The roof which constituted corrugated metal sheeting supported by a combination of steel and wooden beams. Multiple skylights were present in the roof. The barn had four entrances/exits, two to the south and two to the north, all of which comprised black corrugated metal gates.
- 2.10 The main barn was split into two sections by a concrete block wall down the centre. The eastern side stored only hay bales whilst the western side stored a wide range of items, including construction materials and equipment, small-scale chemical storage, old furniture, a tractor and a drum of red diesel. It is noted that hardstanding made up the majority of the barn footprint, however a small strip of soft landscaping appeared to be present in the south-western corner of the barn.
- 2.11 Immediately surrounding the main barn to the west, north and east was mossy and cracked concrete. This ground led to a large, grassed field (offsite) to the east, to the north it extended to a strip of moss and grass before more hardstanding was present to form the foundation of the open barn structure. To the west the hardstanding extended into the walled yard area and to the south the barn gave way to a muddy slightly gravelly track.
- 2.12 Drainpipes were observed along the vertices of the barn with an IBC to the south for rainwater collection. Three wheelie bins were also observed to the north of the main barn.



Western side of barn (storage & workshop)



Small-scale chemical storage in barn



Drum of red diesel



Tractor in main barn

Open Barn Structure

- 2.13 The open barn structure just north of the main barn was observed as being a concrete frame construction supporting a roof of corrugated metal sheeting. This structure was open, with no walls or partitions to allow for full air flow. Anecdotal evidence suggested the presence of ACM within the roof, which is set to be removed and re-clad as part of the redevelopment.
- 2.14 At the time of the site walkover this structure housed a wood store, a car, a tractor and waste materials including wooden pallets, metal gates, chipboard and carpet.

Walled Yard Area

- 2.15 The western side of the site comprised a yard area enclosed by walls made of wooden railway sleepers slotted between metal fence posts, with an entrance to the south-west. Concrete slabs covered the ground with heavy moss coverage around the edges.



- 2.16 The yard mainly comprised construction materials including panelling, fencing, window frames, bricks, metal framing and timber in storage or awaiting disposal. A portaloo and a truck were stored within the yard at the time of the walkover. A small stockpile of soil was observed in the north-west corner of the yard.
- 2.17 In the centre of the yard was a concrete block surround and metal container comprising burning pits for incinerating waste materials. Large piles of ash were observed in both containers.
- 2.18 A large rubble pile was observed along the external southern wall of the yard.



Walled yard area



Burning pit within brick surround

Other External Areas

- 2.19 The derelict paddock to the south of the site comprised tarmac, however it was heavily covered by moss and gravel. A majority of the paddock boundary constituted a wooden fence and/or soft verges.
- 2.20 A car, a forklift and a small pile of construction materials were present on the mud and gravel track between the paddock and barn area.
- 2.21 A strip of mossy concrete ran between the main barn and the walled yard area. At the time of the walkover a truck was parked there, and a skip was present, which mainly contained plastic sheeting and empty jerry cans. Materials lined the external western wall of the main barn, including wooden pallets, metal beams and large plastic bags.
- 2.22 A square metal cover was present on this strip of hardstanding between the barn and yard. When lifted it revealed an underground cavity flooded with water. It is unknown what the space was used for



previously, but it likely contained an underground storage tank, relating to fuel, heating oil or possibly milk.



Hardstanding between barn and yard



Flooded underground cavity

Bulk Storage of Fuels & Hazardous Material

- 2.23 Bulk hazardous liquid storage was recorded on site: 205l drums - oils/fuel. These were located in the west side of the main barn and are understood to contain red diesel for refuelling the tractor (see photos). Bulk storage containers were noted to be located on a wooden pallet over hardstanding. No evidence of staining was observed and no form of secondary containment, such as a bund or drip tray, was observed.
- 2.24 Small-scale hazardous material storage was also recorded on site within the west wide of the main barn, including gas tanks, paint cans, other chemicals (e.g. graffiti wipes and cleaning products) and jerry cans of fuels or oils.

Asbestos Containing Soils (ACS)

- 2.25 ACM was commonly used in construction and refurbishment projects until their use was prohibited in 1999. Given the age of the structures present on site (including any refurbishment works), the potential for ACM to be present within the building fabric and curtilage is possible. Anecdotal evidence from the client suggested that that ACM is likely present within the roof of the open barn structure.
- 2.26 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.

Potential Off-site Sources / Points of Interest

- 2.27 A commercial development comprising offices, and a car park is present adjacent to the north-west of the site and a residential dwelling adjacent to the north-east. A tank was observed in the garden of the dwelling, approximately 7m from the site boundary. Further investigation revealed that it contains heating oil for an aga in the residential dwelling. It was raised above the ground using timber planks and a small slab of concrete. No staining was observed around the base of the tank.

Further Surveys

- 2.28 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

- 2.29 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 or Integrated Pollution Prevention and Controls (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 have been identified within 1km of the subject site. Three historical landfill sites have been identified within 1km from the subject site:



Table 2 Regulatory Information

Public Record	Features
	▶ 406m N operated by C J Pryor Earth Moving Contractors Limited under licence reference EAHLD01147 with landfilling taking place between (20th August 1991 - 27th January 1993). The record states that deposited waste included inert waste. ▶ 795m NW named Little Wymondley Gravel Pit under licence reference EAHLD13145. No further information was provided. ▶ 796m NW operated by J W Stutley under licence reference EAHLD01505 with landfilling ceasing by 31st May 1983. The record states that deposited waste included inert, industrial and commercial waste.
	Five Local Authority Recorded Landfill Sites have been identified within 1km from the subject site: ▶ 597m N located at Rear Of Bungalow Farm, Little Wymondley under licence reference 489. ▶ 793m NW located at Wymondley Quarry, Little Wymondley, Near Hitchin under licence reference 83/157. The records that the landfill status is open and deposited waste included non-hazardous rubble and soil, non-hazardous commercial and industrial solid. ▶ 793m NW located at Wymondley Pit, Little Wymondley under licence reference 23. ▶ 793m NW located at Wymondley Quarry, Little Wymondley, Hitchin under licence reference 78/55. ▶ 793m NW located at Little Wymondley under licence reference 82. The record states that the landfill status is open and that deposited materials included non-putrescible waste.
	A single registered landfill site has been identified within 1km from the subject site: ▶ 597m N operated by C J Pryor (Earth Moving Contractors) Ltd under licence reference: 91/262. The status is listed as cancelled/defunct and authorised waste included clean non-hazardous top/subsoil and other inert waste.
Waste Management Facilities	No Licensed or Registered Waste Management / Transfer / Treatment / Disposal Facilities have been identified within 250m of the subject site.
Contemporary Trade Directory Entries	Two trade directory entries have been listed on site: ▶ Columbia Laboratories (UK) Ltd - Pharmaceutical Manufacturers & Distributors. Listed as inactive. ▶ 365 Aerospace - Aviation Engineers. Listed as active. No other contemporary trade directory entries have been listed within 250m of the site.
Petrol Filling Stations (PFS)	No fuel station entries have been identified within 250m of the subject site.

Review of Regulatory Information

- 2.30 A review of the planning records held by North Hertfordshire has revealed a previous planning application (planning reference: 22/00986/FP) for the conversion of the agricultural barn to the east of



the site, into a light industrial unit for storage and distribution. Although the application was approved with conditions, none pertained to the risk of contaminated land and the current application is likely to override the previous one. No environmentally pertinent information was uncovered.

Site History

- 2.31 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.
- 2.32 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
Undeveloped land		1881	1991
Main barn appears on eastern side of the site and walled area appears on west side.		1991	Present
Barn structure appears in north-east corner of site		2000	Present

- 2.33 Environmentally pertinent historical information from the immediate surrounding area (within 250m) has been summarised in Table 5 below. Given the relatively rural nature of the site, much of the surroundings historically and currently constitute undeveloped land, farmland or woodland.

Table 4 Off Site History			
Off Site Land Use	Distance from site	Date Features Present	Date Features Removed
Residential properties expanding north-west from Titmore Cottage to form the hamlet of Titmore Green	20m N	1881	Present
Residential properties extending south-west from Titmore Green Farm to form hamlet of Lower Titmore Green	30m SE	1881	Present
Orchard	100m SE	1881	1924



Table 4 Off Site History			
Off Site Land Use	Distance from site	Date Features Present	Date Features Removed
Pub – The Hermit of Redcoats	105m NW	1898	Present
Pond	200m NE	1924	Present
Residential properties – e.g. Beech Cottage	40m NW	1972	Present
Ponds	105m NW, 80m NW, 200m NW, 40m SE	1972	Present
Wymondley Transforming Station	800m NW	1972	Present
Titmore Cottage undergoes expansion and is renamed Titmore Farm	Adjacent N	1972	Present
Pond	125m E	1991	Present
Drainage network	80m E	1999	Present

Summary of Identified Potential Sources of Contamination

- 2.34 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.

Discounted Sources

- 2.35 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 following off-site sources of potential contamination have not been considered further in this assessment: residential properties, orchard and Wymondley Transforming Station.
- 2.36 These off-site sources have been discounted for one or more of the following reasons: minor nature of the source of contamination, time elapsed since contaminative operations ceased and relatively immobile nature of contaminants coupled with significant distance to subject site.
- 2.37 Other than the landfills, a review of regulatory information has not identified any sources that are likely to have adversely impacted the subject site, e.g. no nearby petrol filling stations or permitted operations. The trades listed in the contemporary trade directory refer to offices at the nearby commercial development and are unlikely to pose a risk of contamination to the subject site given their office nature.



- 2.38 Based on the data held within the Envirocheck database, 9 landfill records have been identified within 1km of the subject site, however are believed to only refer to two landfill sites. The closest landfill is located circa 406m away and was active between 1991 and 1993 and concerned inert waste and clean non-hazardous soils, as such this landfill is unlikely to pose a risk to the subject site through the migration of ground gas. The other landfill is approximately 793m away and pertains to the infilling of Wymondley Quarry/Pit. Given the significant distance between the landfill and the subject site, coupled with records stating that waste was mainly inert, non-hazardous and non-putrescible, this landfill is unlikely to pose a risk to the subject site.

Viable Sources

- 2.39 Viable potential sources of contamination which have been carried forward into the conceptual model and risk assessment are set out below.
- 2.40 Bulk hazardous liquid storage was recorded on site: 205l drums - oils/fuel. These were located in the west side of the main barn and are understood to contain red diesel for refuelling the tractor. Any uncontrolled releases of hazardous substances through either spills during filling or long-term leaks as a result of compromised integrity of the container can result in contamination of the subsurface. Bulk storage containers were noted to be located on a wooden pallet over hardstanding. No evidence of staining was observed and no form of secondary containment, such as a bund or drip tray, was observed.
- 2.41 Small-scale hazardous material storage was also recorded on site within the west wide of the main barn, including gas tanks, paint cans, other chemicals (e.g. graffiti wipes and cleaning products) and jerry cans of fuels or oils. As such minor spills and leaks may have resulted contamination of shallow soils with potential contaminants such as metals, inorganics, hydrocarbons, volatile and semi-volatile organic compounds (VOCs and SVOCs).
- 2.42 Minor sporadic leaks of fuels and oils from parked vehicles (cars, trucks, forklift and tractors) is expected. Hardstanding, where present, will likely afford some protection to the underlying ground from any such small-scale hydrocarbon releases from parked cars etc. The use of the site involving works on vehicles (maintenance and small-scale repairs of agricultural equipment) may have resulted in uncontrolled release of contaminants such as fuels, oils, volatile and semi-volatile organic compounds.
- 2.43 Agricultural properties can have a wide range of uses depending on the nature of the farm. Agricultural plant and machinery were observed to be stored on site, with small scale repairs and maintenance likely carried out within the main barn. Bulk fuel storage in the form of a red diesel drum was also observed in the main barn. Pesticides, herbicides and fertiliser may have been stored in bulk quantities previously



onsite. These activities may have introduced contamination into the subsurface through spills and leaks of bulk liquids stored and used on site, as well as from any plant/machinery. Potential contaminants associated with agricultural land include: metals, inorganics, PAH, TPH, pesticides, herbicides and fertiliser. It is noted that ground cover in both the main barn and open barn structure comprised hardstanding, with only a small proportion of the main barn floor being bare ground.

- 2.44 Older agricultural buildings commonly contain asbestos, and anecdotal evidence suggested that ACM was present within the curtilage of the open barn structure. This structure is set to be renovated as part of the redevelopment with the ACM removed and the roof re-clad. ACM may also be present within the main barn and so further assessment is needed. Asbestos containing soils (ACS) may be present from historical demolition works and/or degradation of ACM.
- 2.45 The yard area may represent a potential source of contamination through both the materials stored on site and the activities carried out in the yard etc. Previous bulk storage of building materials/products including cements may have resulted in the release of metals (such as hexavalent chromium) and inorganics. No bulk storage of hazardous substances was observed within the yard, however burning grounds were observed. A concrete brick surround enclosed a large pile of ash and burnt materials and adjacent to this was a metal container, also full of ash. A truck was also noted to be stored within the yard which may have resulted in small-scale hydrocarbon releases. Widespread hardstanding across the yard will have afforded some protection to the subsurface. Potential contaminants include: metals, inorganics, PAH, TPH, VOCs and SVOCs.
- 2.46 Periods of construction and demolition are not noted within mapping records and therefore a significant thickness of Made Ground is not anticipated on site. It is noted that a layer of Made Ground may be present as a sub-base for the hardstanding but is unlikely to be of significant thickness.



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 221)¹ and the BGS website (National Geoscience Information Service)² show the site to be directly underlain by superficial deposits of the **Glaciofluvial Deposits** comprising sand and gravel. Bedrock geology is listed as the **Holywell Nodular Chalk Formation and New Pit Chalk Formation** (undifferentiated) comprising chalk with flints. With discrete marl seams, nodular chalk, sponge-rich and flint seams throughout.
- 3.3 A zone of superficial Head is present approximately 100m south of the of the site and a zone of the Lowestoft Formation is present around 60m north of the site. The former comprises clays, silts, sands and gravels, whilst the latter comprises chalky till.
- 3.4 Periods of construction and demolition are not noted within mapping records and therefore a significant thickness of Made Ground is not anticipated on site. However Made Ground may be present as a sub-base for the hardstanding.
- 3.5 Historical borehole records have been identified relating to boreholes drilled within the general vicinity of the site and surrounding area. The closest historical borehole was recorded approximately 100m north of the site (TL22NW43). A summary of ground conditions encountered is provided below and a copy of the borehole log is included in Appendix C.

¹ BGS Solid and Drift Map Sheet 221

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



- ▶ Pleistocene drift (glaciofluvial deposits): Topsoil from surface to 0.3m bgl, gravels for a further 1.8m then yellow clay from 2.1m bgl to 12.8m bgl.
- ▶ Chalk with layer of grey stones to 36.6m bgl
- ▶ Groundwater was not recorded in the log.

Ground Hazards

3.6 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 5 Ground Hazards On-Site	
Hazard Type	Hazard Potential
Coal Mining Affected Area	Very Unlikely
Non-Coal Mining Affected Area	Rare
Potential for Collapsible Ground Stability Hazards	Very Low
Potential for Compressible Ground Stability Hazards	No Hazard
Potential for Ground Dissolution Stability Hazards	Very Low
Potential for Landslide Ground Stability Hazards	Very Low
Potential for Running Sand Ground Stability Hazards	Very Low
Potential for Shrinking or Swelling Clay Ground Stability Hazards	No Hazard

3.7 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 6 BGS Sites & Radon	
Category	Details
BGS Recorded Mineral Sites	Three BGS Recorded Mineral Sites have been identified within 1km from the subject site. All three are listed as having ceased operation: ▶ 571m N at Little Wymondley Chalk Pit. Mineral site operated as an opencast site extracting soils from the White Chalk Subgroup. ▶ 910m E at Spoil Bank Gravel Pit. Mineral site operated as an opencast site extracting soils from the Glaciofluvial Deposits, Mid Pleistocene. ▶ 999m NW at Wymondley Gravel Pit. Mineral site operated as an opencast site extracting soils from the Glaciofluvial Deposits, Mid Pleistocene.
Man-Made Mining Cavities	None identified within 1km of the site.
Natural Cavities	Five natural cavities have been identified within 1km from the subject site:



Table 6 BGS Sites & Radon	
Category	Details
	▶ 553m SE relating to a swallow hole in the glacial deposits. Geological units associated with this cavity include chalk and glacial deposits. ▶ 616m SE relating to a sinkhole and is associated with the chalk geology. ▶ 838m S relating to a sinkhole and is associated with the chalk geology. ▶ 887m S relating to a sinkhole and is associated with the chalk geology. ▶ 937m S relating to a sinkhole and is associated with the chalk geology.
Radon Potential - Radon Affected Areas	The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level) and so further assessment may be needed.

Hydrogeology

- 3.8 The Groundwater Vulnerability Map of England and the DEFRA website³ have been reviewed to determine the aquifer designations.
- 3.9 The Glaciofluvial Deposits is designated as a **Secondary A aquifer** which is defined by the Environment Agency as an "aquifer formed of permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers." Based on the BGS information reviewed, it is considered that this geology is relatively permeable and that shallow groundwater is not anticipated. As such, groundwater within the Glaciofluvial Deposits may be in hydraulic continuity with deeper groundwater.
- 3.10 The Holywell Nodular Chalk Formation and New Pit Chalk Formation is designated as a **Principal aquifer** which is defined by the Environment Agency as "layers of rock or drift deposits that have high intergranular and/or fracture permeability - meaning they usually provide a high level of water storage. They may support water supply and/or river base flow on a strategic scale. In most cases, principal aquifers are aquifers previously designated as major aquifer." Based on the BGS information reviewed, it is considered that the bedrock is relatively permeable and that shallow groundwater is not anticipated.
- 3.11 The Environment Agency has defined Source Protection Zones (SPZs) for groundwater sources used for public drinking water supply.⁴ Two groundwater source protection zones are present on site with a Zone

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.



2 (Outer Zone) towards the north-east corner of the site, with the remainder of the site falling in a Zone 3 (Total catchment).

3.12 Seven groundwater abstractions have been listed within 1km from the subject site:

- ▶ 497m north x2 - Operated by Affinity Water Limited (Borehole - Little Wymondley) and pertains to the abstraction of groundwater for public water supply: potable water supply - direct, under licence no. 6/33/13/*G/0007.
- ▶ 497m north x2 - Operated by Three Valleys Water Plc and Veolia Water Central Limited (Borehole - Little Wymondley) and pertains to the abstraction of groundwater for public water supply: potable water supply - direct, under licence no. 6/33/13/*G/0007.
- ▶ 640m east - Operated by Mr F T Gearing (Borehole At Chantry Farm, WYMONDLEY) and pertains to the abstraction of well and borehole for spray irrigation, under licence no. 6/33/13/*g/079 .
- ▶ 643m east - Operated by F T Gearing Landscape (Borehole At Todds Green) and pertains to the abstraction of groundwater for general agriculture: spray irrigation - direct, under licence no. 6/33/13/*G/0097.
- ▶ 645m east - Operated by Mr F T Gearing (Borehole At Chantry Farm, WYMONDLEY) and pertains to the abstraction of well and borehole for spray irrigation, under licence no. 6/33/13/*g/087.

3.13 Five discharge consents to groundwater have been listed within 1km from the subject site:

- ▶ 17m west x2 - Held by Mr Bernard J Duffy (Environment Agency, Anglian Region) and relates to the discharge of sewage and trade combined - unspecified under licence no. Prclf14943.
- ▶ 17m west x2 - Held by Greene King Plc (Environment Agency, Anglian Region) and relates to the discharge of sewage and trade combined - unspecified under licence no. Prclf14943.
- ▶ 26m south-east - Held by D C (Builders) Ltd (Environment Agency, Anglian Region) and relates to the discharge of sewage discharges - final/treated effluent - not water company under licence no. Pr1lfu244.

Hydrology

3.14 The nearest surface water feature is located 42m south-east and relates to a drainage ditch. Considering the proximity, underlying geology/ ground conditions and the local topography, this surface water feature is likely to be in hydraulic connectivity with the site.

3.15 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 streams. The network of off-site surface water features could be in hydraulic connectivity with the site.



3.16 No surface water abstractions are recorded within 1km of the site; however 8 surface water discharge consents are recorded within 250m of the site:

- ▶ 75m north-west - Held by Bunyan Mr (Environment Agency, Anglian Region) and relates to the discharge of sewage discharges - final/treated effluent - not water company under licence no. Prcnf17388.
- ▶ 81m south-east x2 - Held by Mr Richard Chambers (Environment Agency, Anglian Region) and relates to the discharge of sewage discharges - final/treated effluent - not water company under licence no. Npswqd005505 and Npswqd005598.
- ▶ 121m south - Held by Mr G Moody (Environment Agency, Anglian Region) and relates to the discharge of sewage discharges - final/treated effluent - not water company under licence no. Prcnf05633.
- ▶ 165m south x2 - Held by Mr Bernard J Duffy (Environment Agency, Anglian Region) and relates to the discharge of sewage discharges - final/treated effluent - not water company under licence no. Prcnf05686.
- ▶ 226m south x2 - Held by Mr W Rogers (Environment Agency, Anglian Region) and relates to the discharge of sewage discharges - final/treated effluent - not water company under licence no. Prcnf01053.

Flood Risk

3.17 BGS flood data shows the site area to have limited potential for groundwater and surface water flooding to occur. It lies within a Flood Zone 1 which has the lowest risk of flooding.

Environmental Statutory Designations

3.18 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.

3.19 The site lies within two Nitrate Vulnerable Zones for groundwater within Anglian Chalk and surface water of the Great Ouse.

Environmental Sensitivity

3.20 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 66*⁵ document.

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



- 3.21 Groundwater within the Glaciofluvial Deposits is considered to have a **High (H2) sensitivity**, which is described in the guidance as being a "major or minor vulnerable aquifer with probable use nearby (either direct abstraction or baseflow to sensitive watercourses and springs). Likely to be within Outer or Source Catchment protection zones (Zones II or III). Most contaminant releases to the ground environment of concern." This sensitivity classification has been assigned given the designation of the site area as within a groundwater SPZ II and III, the presence of high-quality use groundwater abstractions nearby, but also the expected permeability and potential for groundwater storage as a Secondary A aquifer.
- 3.22 Groundwater within the Holywell Nodular Chalk Formation and New Pit Chalk Formation is considered to have a **Very High (H1) sensitivity**, which is described in the guidance as being a "highly vulnerable aquifer, actively used in vicinity of site with short travel times to sources of supply or sensitive watercourses. Likely to be within an inner or outer groundwater protection zone (Zones I or II under EA protection policy). All contaminant releases to the ground environment of concern." This sensitivity classification has been assigned given the designation of the site area as within a groundwater SPZ 2 and 3, the presence of high-quality use groundwater abstractions nearby, but also the expected permeability and potential for groundwater storage as a Principle aquifer.
- 3.23 Surface water is considered to have a **Moderate (M2) sensitivity**, which is described in the guidance as being a "site within catchment of and relatively close (less than 100m) of a moderate or poor quality (GQA C to F) watercourse that may be subject to planned improvement by attainment of surface water quality objectives. May be potential for transmission of pollutants via baseflow from a highly permeable formation." This sensitivity classification has been assigned given the proximity of any nearby surface water features and the potential for baseflow in shallow groundwater.
- 3.24 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.
- 3.25 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

- 3.26 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

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

Identified Receptors

- ▶ Future residents and visitors (to residential eastern side),
- ▶ Future site workers and visitors (to commercial western side),
- ▶ Ground / construction workers,
- ▶ Perched groundwater within any Made Ground,
- ▶ Groundwater within the Glaciofluvial Deposits (Secondary A aquifer),
- ▶ Deeper groundwater within the Holywell Nodular Chalk Formation and New Pit Chalk Formation (Principal aquifer),
- ▶ Surface water,
- ▶ Adjacent land,
- ▶ Flora,
- ▶ Below ground structures and foundations, and
- ▶ Potable water pipes.

Viable Pathways and Pollution Linkages

- 3.28 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 residential gardens are proposed along the east of the barn, 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 any Made Ground, contaminated groundwater or localised spills / leaks. Potential for vapours to migrate through hardstanding and open ground.



- ▶ Hazardous ground gases, potentially generated by any 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.
- ▶ Vertical mixing of groundwater (assumed to be in hydraulic continuity) between the groundwater bodies within the Glaciofluvial deposits and the underlying chalk.
- ▶ Lateral migration of site-borne contaminants to off-site areas (down hydraulic gradient), via surface water runoff and baseflow. Lateral migration of potentially contaminated shallow groundwater from off-site areas (up hydraulic gradient), impacting on-site groundwater. Lateral migration of ground gases both onto site and off-site.
- ▶ 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 there is a potential for contamination to be present on site in a circumstance which could lead to risks to identified receptors.
- 4.4 All of the potential sources of contamination identified in this study relate to historic and current use of the site. All off-site sources of potential contamination have been discounted given either their minor contaminative nature or the significant distance from site. Both small-scale and bulk storage of hazardous substances was observed onsite, with a drum of red diesel present in the west side of the main barn. Multiple vehicles were parked on site at the time of the walkover and maintenance of the tractor likely occurred within the main barn. ACM is present in the open barn structure to the north-east, and the walled yard contained burning grounds and bulk storage of construction materials.
- 4.5 As illustrated in the risk assessment tables, several of the risks attributable to viable pollutant linkages were considered to be low and very low. The risk ratings identified in this assessment are not considered prohibitive for the development and can be effectively managed in accordance with LCRM. The risks which require further consideration in this regard are detailed below:
- ▶ Potential contamination from the current/historical use of the site has been identified to represent unacceptable risk to the following receptors:
 - ▶ Moderate/ low risk to residents and site visitors,
 - ▶ Moderate/ low risk to deeper groundwater within the Glaciofluvial Deposits (Secondary A aquifer) and Holywell Nodular Chalk Formation And New Pit Chalk Formation (Principal aquifer),



- 4.6 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

- 4.7 It is understood that this report will be submitted to the local planning authority to support the planning application.
- 4.8 To mitigate the above identified risks, the following elements will need to be carried out and would be expected to be **undertaken on award of planning** (these may be conditioned by the local planning authority):
- ▶ Undertake a **Phase 2 Site Investigation** to determine the:
 - contaminative status of the shallow soils – targeting areas proposed to soft landscaping, especially private gardens on eastern side of barn,
 - presence/condition of shallow groundwater.
 - ▶ Further investigation into the **underground cavity** observed onsite to determine if there is/was a tank there. Analysis of water samples taken from the cavity will further inform risk. Ground Penetrating Radar can be used to determine the extent of the cavity.
 - ▶ A **Non-Specialist Watching Brief** is always 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.

Advisory Matters

- 4.9 Aside from land contamination issues that require consideration under the planning regime, the findings of this assessment impact other aspects of building design and construction. These items often require action to ensure that you continue to have a safe and complaint site and include matters such as ground hazards foundation design, waste soil classification etc.
- 4.10 Reviews of risk maps for unexploded ordnance in the UK show the site to be in an area deemed to be at low risk and so further UXO assessments are unlikely to be needed.



- 4.11 A suitable asbestos survey should be undertaken prior to the start of any site refurbishment/demolition works, if not already completed. If encountered, asbestos and asbestos containing materials, should be dealt with in accordance with CAR 2012.

Preliminary Ground Model & Ground Hazard Recommendations

- 4.12 The BGS information shows that the site is underlain by Glaciofluvial deposits which are underlain by Holywell Nodular Chalk Formation and New Pit Chalk Formation.
- 4.13 Considering the information from the BGS reviewed as part of this Phase 1, shallow groundwater may be present beneath the site.
- 4.14 All new build properties normally require a geotechnical site investigation to inform foundation design which can be combined with any environmental investigation works that are required.
- 4.15 Due to the presence of several natural cavities within 1km of the site consideration should be given to obtaining a natural cavity occurrence database report and probability assessment for the site to provide further information on the likely risk from identified ground hazards.
- 4.16 A potential risk from radon ground gas has been identified. Further specific risk assessment is required into radon and possible radon gas ingress prevention measures is recommended.

Comments on Waste Classification

- 4.17 Separate to the human health and wider environmental risks from potential contamination, the presence of some contaminants can also impact the waste spoil disposal costs. Depending on the chemical composition of any Made Ground, soils may require different disposal routes. Should there be a need for the disposal of soils as part of the development, the waste producer should undertake a waste spoil assessment. This must include an assessment of the hazardous nature of the soil by virtue of any contamination (in accordance with the Waste Framework Directive and the Environment Agency's *Technical Guidance WM3 Hazardous Waste*⁶), and possibly Waste Acceptance Criteria (WAC) testing.

⁶ Technical guidance WM3: Guidance on the Classification and Assessment of Waste (1st Edition 2015). Environment Agency.



Statutory Designation

- 4.18 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.

The background of the slide features a complex geometric pattern. It consists of several thin, light gray lines that intersect at various points, creating a network of triangles and polygons. Some of these shapes are filled with a very light, semi-transparent gray, while others remain white. The overall effect is a modern, minimalist, and abstract design.

Conceptual Site Model

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^{7,8} undertaken to assess the source-pathway-receptor linkages. The potential for a pollution event to occur is evaluated using a risk classification tool⁹. 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 necessarily 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 Management). The guidance states that the designation of risk is based upon a consideration of both:

⁷ Guidance for the Safe Development of Housing on Land Affected by Contamination R&D66, NHBC, 2008.

⁸ Construction Industry Research and Information Association (CIRIA). Contaminated Land Risk Assessment. A Guide to Good Practice. CIRIA C552 2001.

⁹ 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.

- ▶ 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 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.

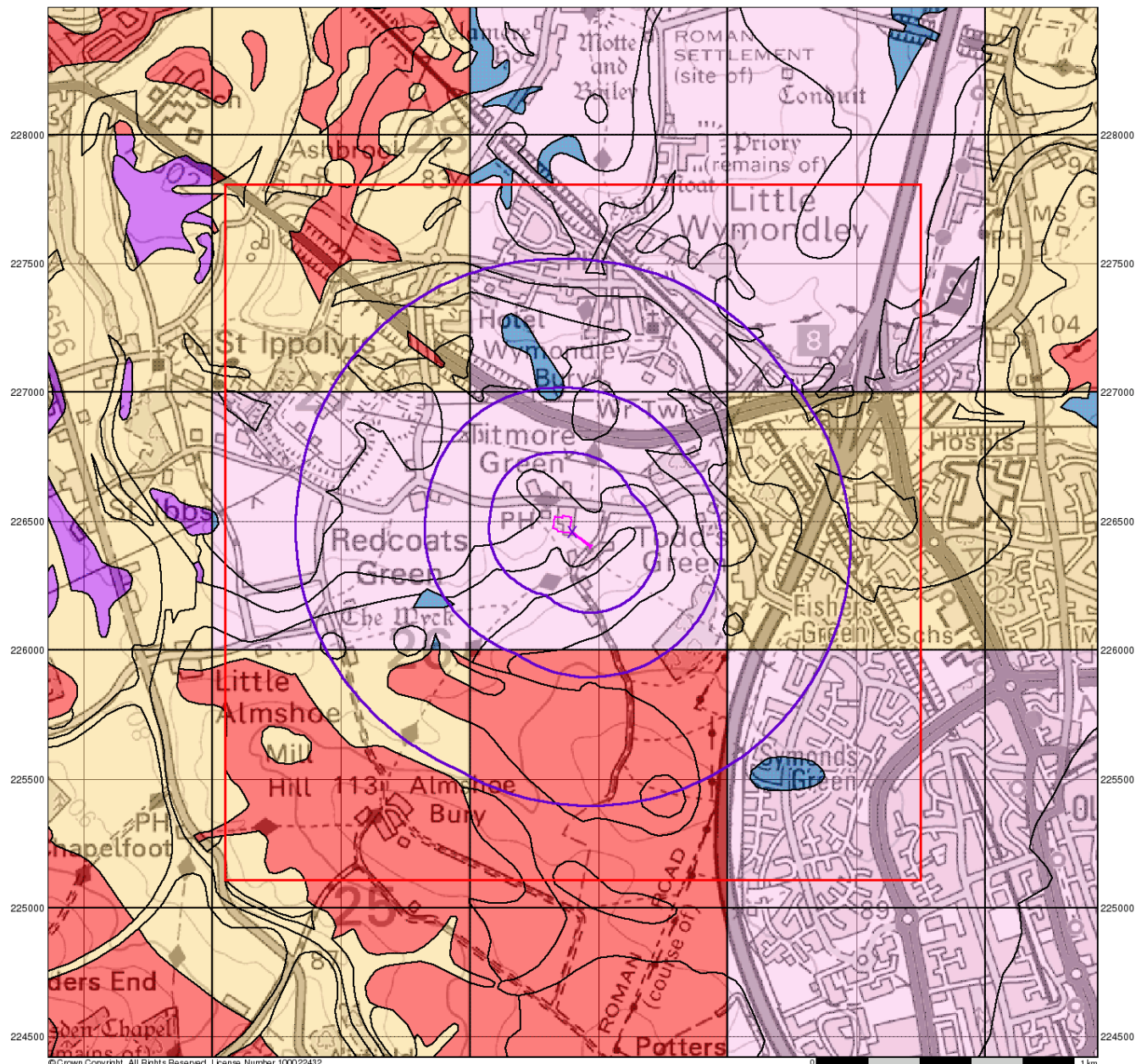
	Investigation is normally required to clarify the risk and determine the potential environmental liability. Some remedial works may be required over the longer term.
Low Risk	It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realised, 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

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Groundwater Vulnerability

General

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

Agency and Hydrological

Bedrock Aquifers

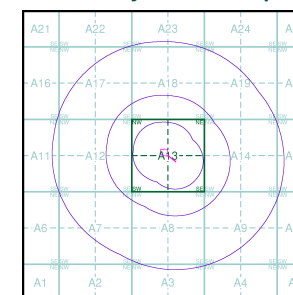
- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

Superficial Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

- Unproductive Aquifer
- Soluble Rock

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 334873697_1_1
Customer Ref: 4948
National Grid Reference: 521400, 226460
Slice: A
Site Area (Ha): 0.44
Search Buffer (m): 1000

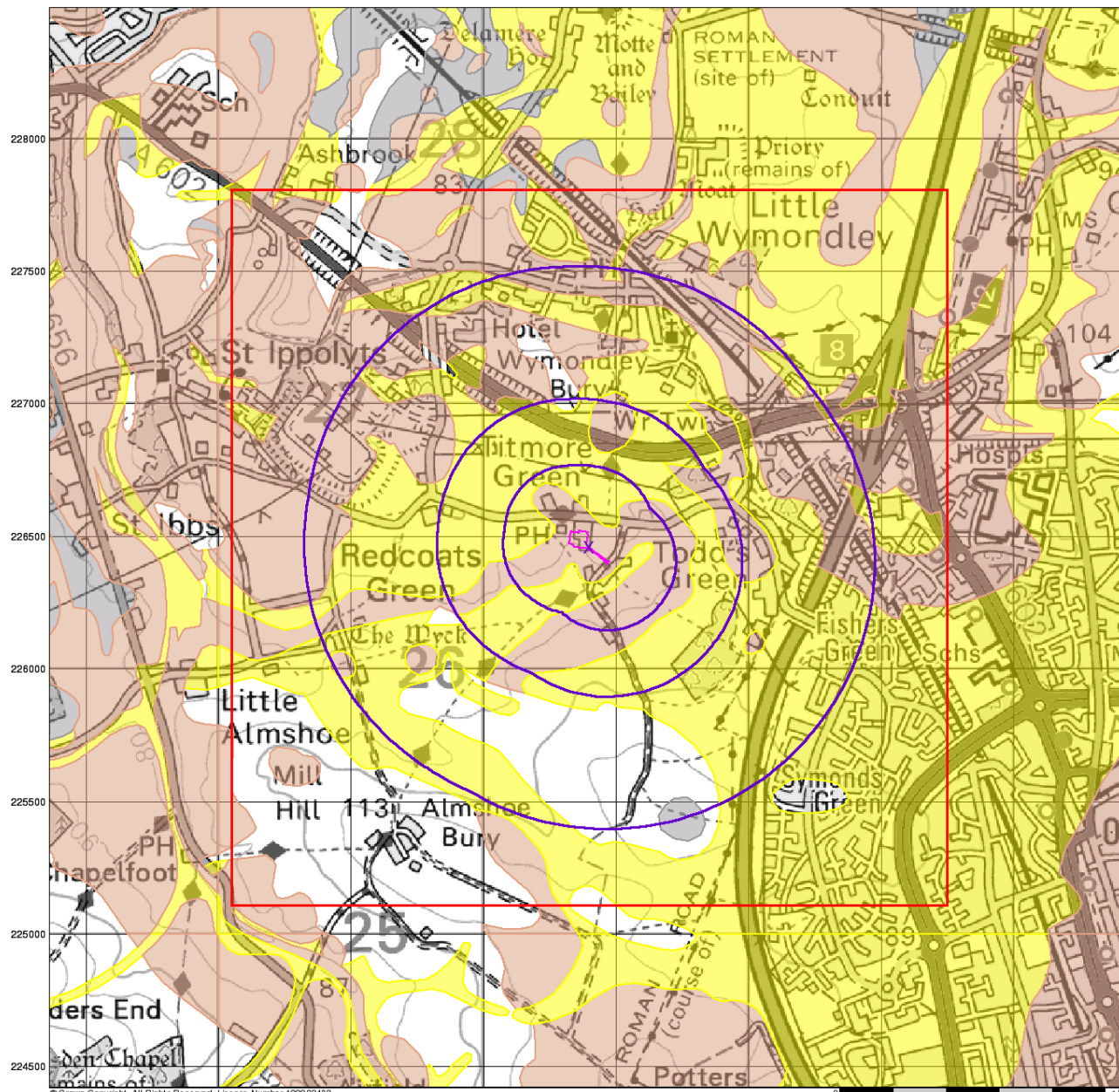
Site Details

Titmore Green Farm, Titmore Green, Little Wymondley, HITCHIN, SG4 7JT

Landmark
INFORMATION GROUP

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

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Superficial Aquifer Designation

General

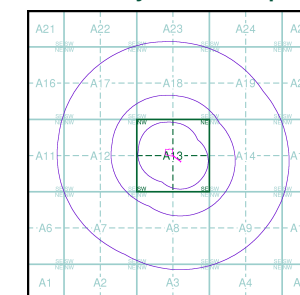
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 334873697_1_1
Customer Ref: 4948
National Grid Reference: 521400, 226460
Slice: A
Site Area (Ha): 0.44
Search Buffer (m): 1000

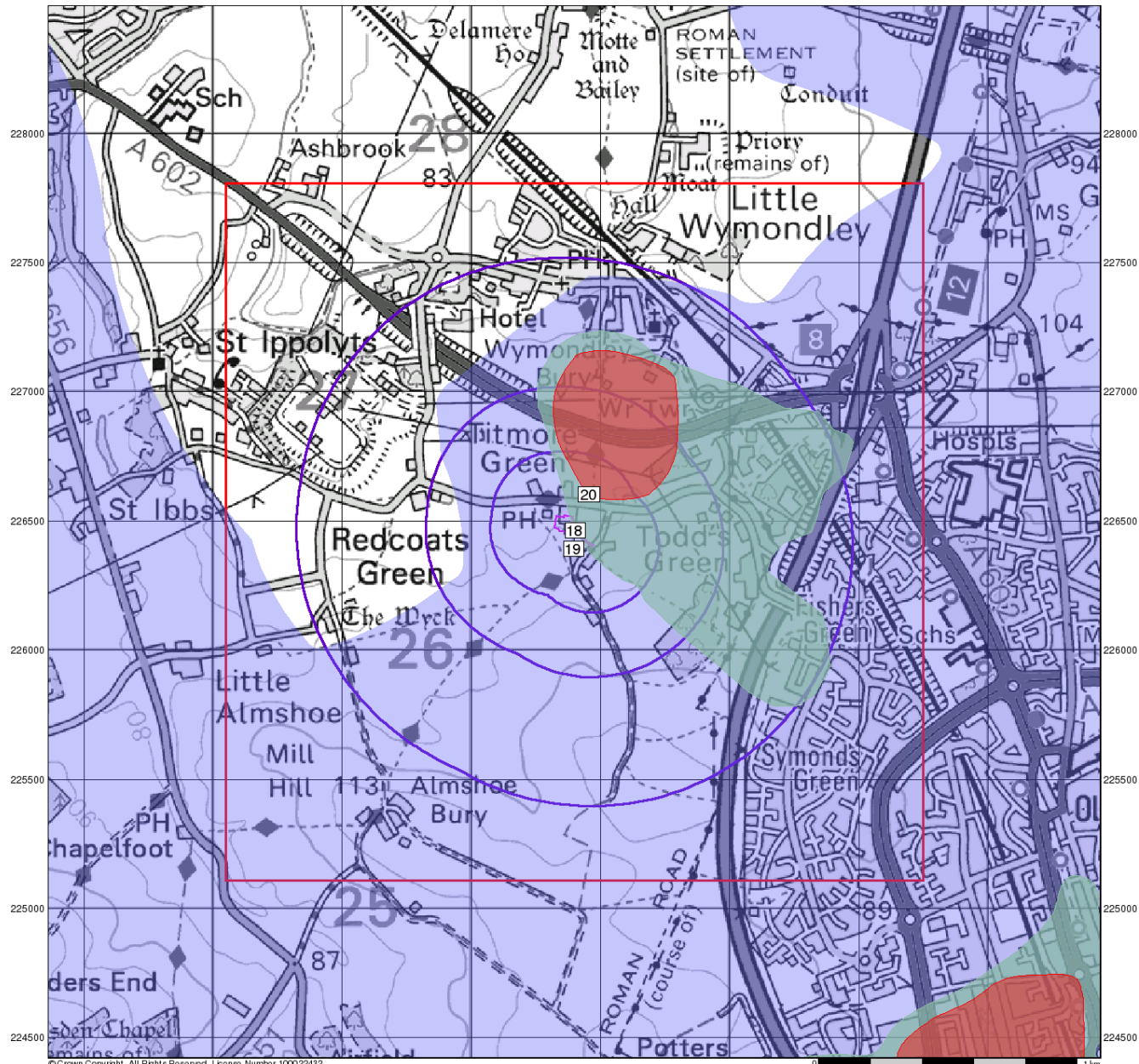
Site Details

Titmore Green Farm, Titmore Green, Little Wymondley, HITCHIN, SG4 7JT

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Source Protection Zones

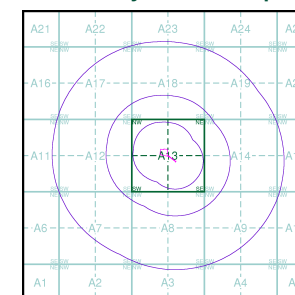
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 334873697_1_1
Customer Ref: 4948
National Grid Reference: 521400, 226460
Slice: A
Site Area (Ha): 0.44
Search Buffer (m): 1000

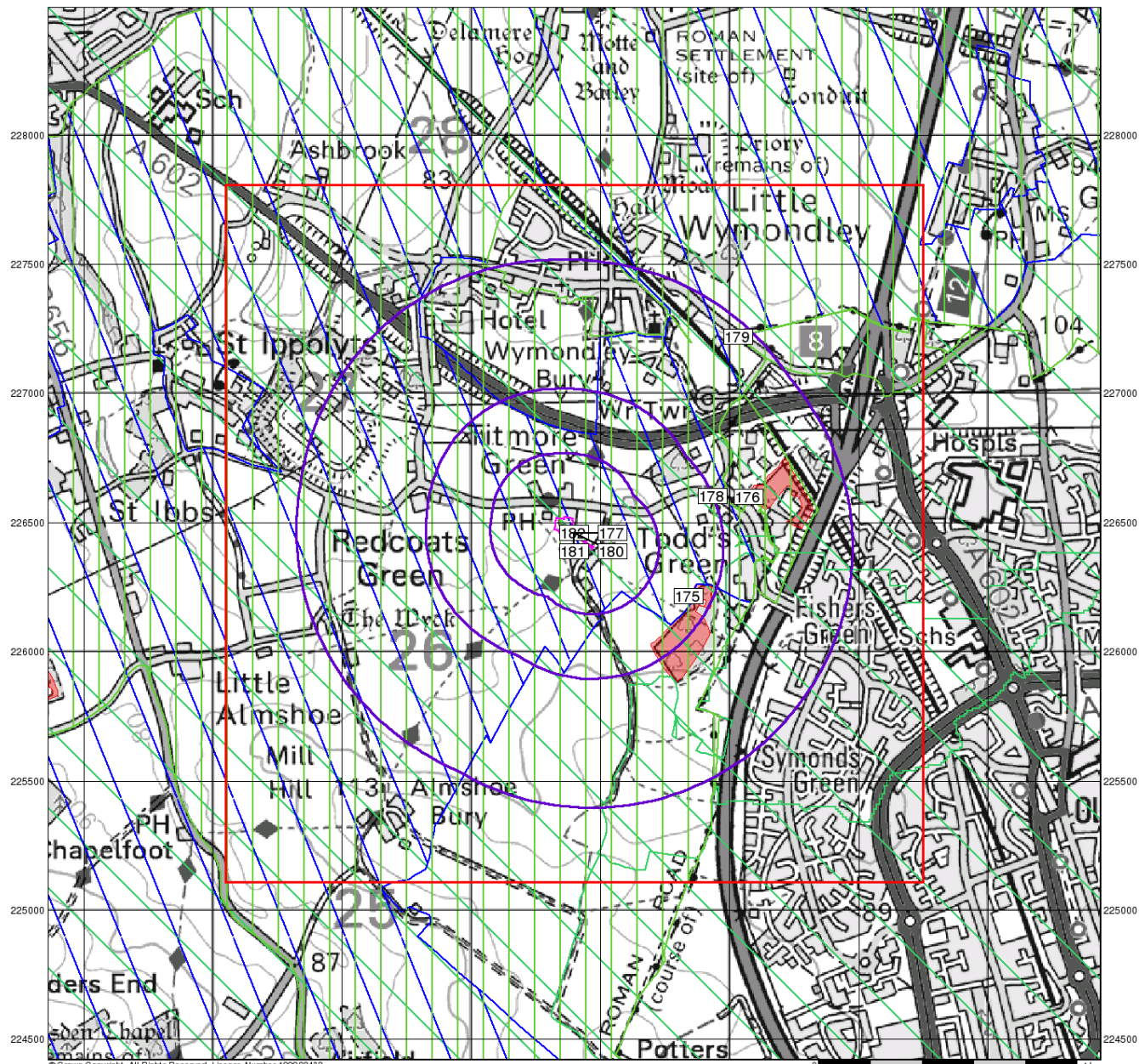
Site Details

Titmore Green Farm, Titmore Green, Little Wymondley, HITCHIN, SG4 7JT

Landmark
INFORMATION GROUP

Tel: 0844 844 9952
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Sensitive Land Uses

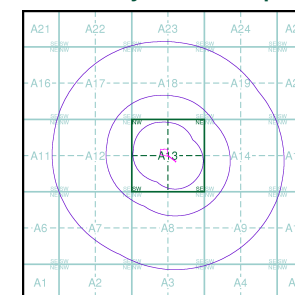
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



Order Details

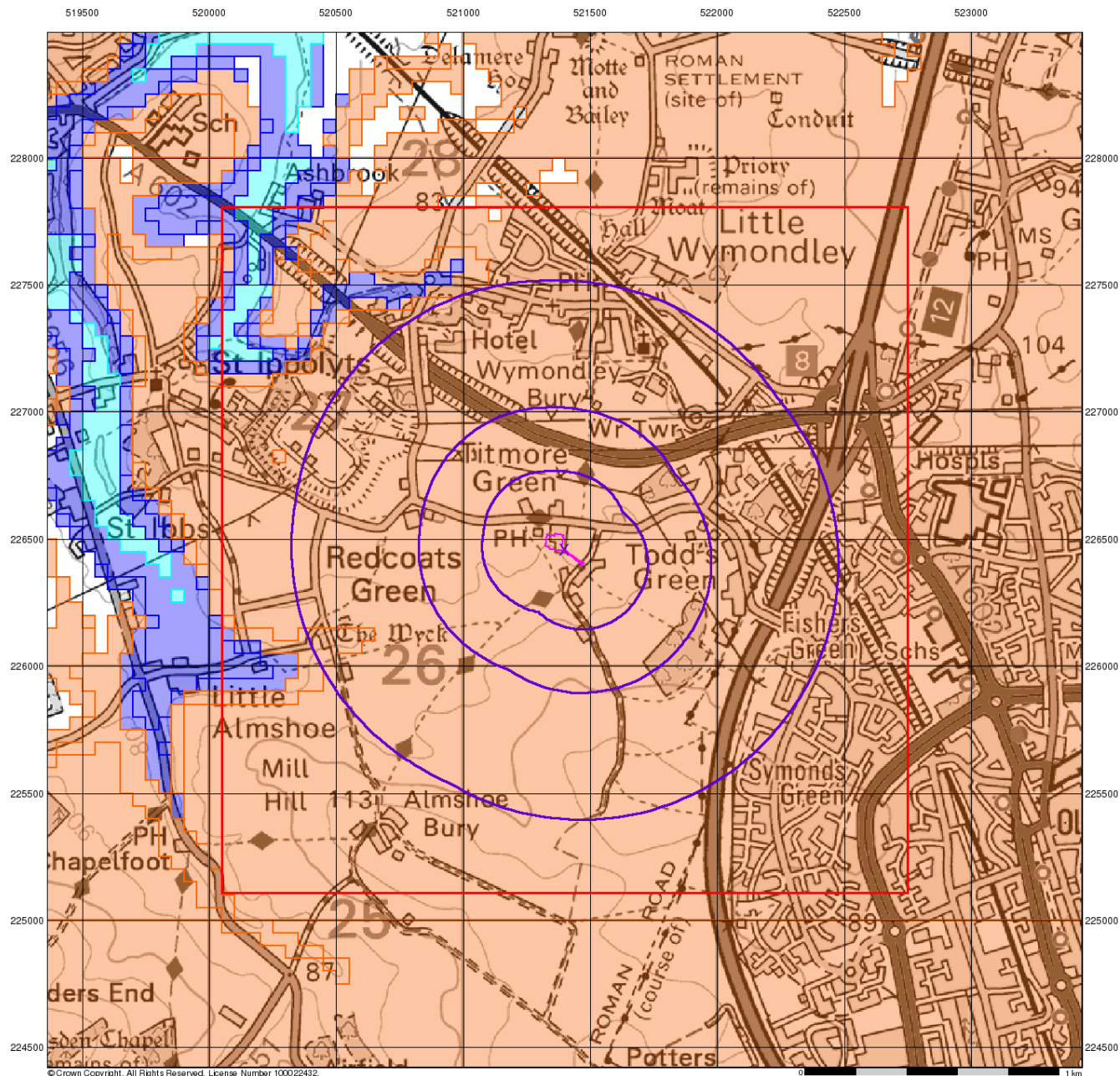
Order Number: 334873697_1_1
Customer Ref: 4948
National Grid Reference: 521400, 226460
Slice: A
Site Area (Ha): 0.44
Search Buffer (m): 1000

Site Details

Titmore Green Farm, Titmore Green, Little Wymondley, HITCHIN, SG4 7JT

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BGS Flood GFS Data

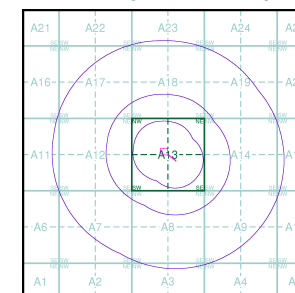
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 334873697_1_1
Customer Ref: 4948
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Site Area (Ha): 0.44
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Site Details

Titmore Green Farm, Titmore Green, Little Wymondley, HITCHIN, SG4 7JT

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Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

334873697_1_1

Customer Reference:

4948

National Grid Reference:

521400, 226460

Slice:

A

Site Area (Ha):

0.44

Search Buffer (m):

1000

Site Details:

Titmore Green Farm, Titmore Green
Little Wymondley
HITCHIN
SG4 7JT

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	24
Hazardous Substances	-
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Introduction

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

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Report Version v53.0

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		13		6
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 5		Yes		
Pollution Incidents to Controlled Waters	pg 5			1	2
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 6			4	3 (*20)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 13	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 13	1	n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 13	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 13	Yes	n/a	n/a	n/a
Source Protection Zones	pg 13	2	1		
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 13		26	6	55

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 24			1	2
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 24				1
Local Authority Landfill Coverage	pg 24	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 25				5
Potentially Infilled Land (Non-Water)	pg 25				2
Potentially Infilled Land (Water)	pg 25				3
Registered Landfill Sites	pg 26				1
Registered Waste Transfer Sites	pg 26				1
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	Yes
BGS Recorded Mineral Sites	pg 31				3
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	pg 31				5
Non Coal Mining Areas of Great Britain	pg 32	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 32	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 32	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 32	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 32	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 32		Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 33	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 34	2			38
Fuel Station Entries	pg 37				1
Points of Interest - Commercial Services	pg 37				14
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 38				12
Points of Interest - Public Infrastructure	pg 39				1
Points of Interest - Recreational and Environmental	pg 39				6
Gas Pipelines	pg 40	1			
Underground Electrical Cables	pg 40			4	4

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland	pg 42			1	1
Areas of Adopted Green Belt	pg 42	1			2
Areas of Unadopted Green Belt	pg 42	1			
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 42	2			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (W)	0	1	521398 226458
1	Discharge Consents Operator: Greene King Plc Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Hermit Of Redcoats Public House & Titmore Green Farm, Titmore Green, Wymondley, Herts, Sg4 7jt Authority: Environment Agency, Anglian Region Catchment Area: River Hiz (Hitchin) Reference: Prclf14943 Permit Version: 2 Effective Date: 14th December 2011 Issued Date: 14th December 2011 Revocation Date: Not Supplied Discharge Type: Sewage And Trade Combined - Unspecified Discharge: Land/Soakaway Environment: Receiving Water: Ashbrook Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A13NW (W)	17	2	521310 226460
1	Discharge Consents Operator: Mr Bernard J Duffy Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Hermit Of Redcoats Public House & Titmore Green Farm, Titmore Green, Wymondley, Herts, Sg4 7jt Authority: Environment Agency, Anglian Region Catchment Area: River Hiz (Hitchin) Reference: Prclf14943 Permit Version: 2 Effective Date: 14th December 2011 Issued Date: 14th December 2011 Revocation Date: Not Supplied Discharge Type: Sewage And Trade Combined - Unspecified Discharge: Land/Soakaway Environment: Receiving Water: Ashbrook Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A13NW (W)	17	2	521310 226460
1	Discharge Consents Operator: Greene King Plc Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Hermit Of Redcoats Public House & Titmore Green Farm, Titmore Green, Wymondley, Herts, Sg4 7jt Authority: Environment Agency, Anglian Region Catchment Area: River Hiz (Hitchin) Reference: Prclf14943 Permit Version: 1 Effective Date: 6th October 2003 Issued Date: 6th October 2003 Revocation Date: 13th December 2011 Discharge Type: Sewage And Trade Combined - Unspecified Discharge: Land/Soakaway Environment: Receiving Water: Ashbrook 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	A13NW (W)	17	2	521310 226460
1	Discharge Consents Operator: Mr Bernard J Duffy Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Hermit Of Redcoats Public House & Titmore Green Farm, Titmore Green, Wymondley, Herts, Sg4 7jt Authority: Environment Agency, Anglian Region Catchment Area: River Hiz (Hitchin) Reference: Prclf14943 Permit Version: 1 Effective Date: 6th October 2003 Issued Date: 6th October 2003 Revocation Date: 13th December 2011 Discharge Type: Sewage And Trade Combined - Unspecified Discharge: Land/Soakaway Environment: Receiving Water: Ashbrook 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	A13NW (W)	17	2	521310 226460

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Discharge Consents Operator: D C (Builders) Ltd Property Type: Domestic Property (Single) Location: Titmore Green No.10 Little Wymondley, Hitchin, Herts, Sg4 7jt Authority: Environment Agency, Anglian Region Catchment Area: River Hiz (Hitchin) Reference: Pr1lfu244 Permit Version: 1 Effective Date: 8th February 1984 Issued Date: 8th February 1984 Revocation Date: 1st October 1996 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Land Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	26	2	521468 226370
3	Discharge Consents Operator: Bunyan Mr Property Type: Domestic Property (Single) Location: Beech Cottage Titmore Green, Little Wymondley, Hitchin, Herts, Sg4 7jt Authority: Environment Agency, Anglian Region Catchment Area: River Hiz (Hitchin) Reference: Prcnf17388 Permit Version: 1 Effective Date: 8th November 2004 Issued Date: 9th November 2004 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Ditch Trib Of Ash Brook 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	A13NW (NW)	75	2	521281 226575
4	Discharge Consents Operator: Mr Richard Chambers Property Type: Domestic Property (Single) Location: Kingsholmes Cottage 8-9 Titmore Green, Little Wymondley, Hitchin, Hertfordshire, Sg4 7jt Authority: Environment Agency, Anglian Region Catchment Area: River Hiz (Hitchin) Reference: Npswqd005505 Permit Version: 1 Effective Date: 2nd December 2008 Issued Date: 16th December 2008 Revocation Date: 13th March 2009 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Ippollits Brook Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	81	2	521481 226316
4	Discharge Consents Operator: Mr Richard Chambers Property Type: Domestic Property (Single) Location: Kingsholmes Cottage 8/9 Lower Titmore Green, Little Wymondley, Hitchin, Hertfordshire, Sg4 7jt Authority: Environment Agency, Anglian Region Catchment Area: River Hiz (Hitchin) Reference: Npswqd005598 Permit Version: 1 Effective Date: 13th November 2008 Issued Date: 13th November 2008 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Ippollits Brook 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	A13SE (SE)	84	2	521483 226314

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Discharge Consents Operator: Mr G Moody Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: 6/7 Lower Titmore Green Todds Green, Nr Stevenage, Herts. Sg4 7jt, Sg4 7jt Authority: Environment Agency, Anglian Region Catchment Area: River Hiz (Hitchin) Reference: Prcnf05633 Permit Version: 1 Effective Date: 24th April 1996 Issued Date: 24th April 1996 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Seasonal Soakaway Ashbrook Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A13SE (S)	121	2	521430 226280
6	Discharge Consents Operator: Mr Bernard J Duffy Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Hermit Of Redcoats Public House & Titmore Green Farm, Titmore Green, Wymondley, Herts, Sg4 7jt Authority: Environment Agency, Anglian Region Catchment Area: River Hiz (Hitchin) Reference: Prcnf05686 Permit Version: 1 Effective Date: 1st August 1996 Issued Date: 1st August 1996 Revocation Date: 5th October 2003 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Ashbrook Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A13SW (S)	165	2	521360 226270
6	Discharge Consents Operator: Bernard J Duffy Property Type: Undefined Or Other Location: Hermit Of Redcoats Ph & Titmore Green Farm, Titmore Green, Wymondley Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: Prcnf05686 Permit Version: 1 Effective Date: 1st August 1996 Issued Date: 1st August 1996 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Ashbrook Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A13SW (S)	165	2	521360 226270
7	Discharge Consents Operator: Mr W B Rogers Property Type: Domestic Property (Multiple) Location: Titmore Green Cottages Lower Titmore Green, Nr. Stevenage, Herts, Sg4 7jt Authority: Environment Agency, Anglian Region Catchment Area: River Hiz (Hitchin) Reference: Prcnf01053 Permit Version: 2 Effective Date: 10th January 1992 Issued Date: 10th January 1992 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib River Purwell Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A13SE (S)	226	2	521470 226170

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Discharge Consents Operator: Mr W Rogers Property Type: Domestic Property (Multiple) Location: Titmore Green Cottages Lower Titmore Green, Nr. Stevenage, Herts, Sg4 7jt Authority: Environment Agency, Anglian Region Catchment Area: River Hiz (Hitchin) Reference: Prcnf01053 Permit Version: 1 Effective Date: 8th June 1989 Issued Date: 8th June 1989 Revocation Date: 9th January 1992 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib River Purwell Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A13SE (S)	226	2	521470 226170
8	Discharge Consents Operator: Redcoats Farmhouse Ltd Property Type: Domestic Property (Single) Location: Redcoats Farmhouse Hotel, Redcoats Green, Nr Hitchin, Hertfordshire, Sg4 7jr Authority: Environment Agency, Anglian Region Catchment Area: River Hiz (Hitchin) Reference: Prclf00160 Permit Version: 1 Effective Date: 2nd December 1988 Issued Date: 2nd December 1988 Revocation Date: 20th November 2012 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Land Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A12NE (W)	560	2	520800 226700
9	Discharge Consents Operator: The Farmhouse@Redcoats Ltd Property Type: Domestic Property (Single) Location: Redcoats Farmhouse Hotel, Redcoats Green, Nr Hitchin, Hertfordshire, Sg4 7jr Authority: Environment Agency, Anglian Region Catchment Area: River Hiz (Hitchin) Reference: Prclf00160 Permit Version: 3 Effective Date: 30th November 2017 Issued Date: 30th November 2017 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Groundwater Via Infiltration System Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A12NW (W)	622	2	520703 226517
9	Discharge Consents Operator: The Farmhouse@Redcoats Ltd Property Type: Domestic Property (Single) Location: Redcoats Farmhouse Hotel, Redcoats Green, Nr Hitchin, Hertfordshire, Sg4 7jr Authority: Environment Agency, Anglian Region Catchment Area: River Hiz (Hitchin) Reference: Prclf00160 Permit Version: 2 Effective Date: 21st November 2012 Issued Date: 21st November 2012 Revocation Date: 29th November 2017 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Land Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A12NW (W)	636	2	520691 226538

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Discharge Consents Operator: Stutley Bros Property Type: Undefined Or Other Location: Elms Depot Wymondley, Hitchin, Hertfordshire Authority: Environment Agency, Anglian Region Catchment Area: River Hiz (Hitchin) Reference: Pr1nf1485 Permit Version: 1 Effective Date: 10th August 1984 Issued Date: 10th August 1984 Revocation Date: 1st November 1994 Discharge Type: Trade Discharge - Process Water Discharge: Freshwater Stream/River Environment: Receiving Water: Ash Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A18NW (N)	883	2	521300 227400
11	Discharge Consents Operator: Stutley Bros Property Type: SHOP INCL GARDEN CENTRE/RETAIL TRADE(NOT MOTOR VEHICLE) Location: Elm Depot Stevenage Road, Little Wymondley, Hitchin, Herts, Sg4 7hz Authority: Environment Agency, Anglian Region Catchment Area: River Hiz (Hitchin) Reference: Pr1nf343 Permit Version: 1 Effective Date: 18th June 1962 Issued Date: 18th June 1962 Revocation Date: 19th September 1996 Discharge Type: Trade Discharge - Process Water Discharge: Freshwater Stream/River Environment: Receiving Water: Ash Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A18NW (N)	892	2	521200 227400
12	Discharge Consents Operator: Mr.P.F. Pinkstone Or Occupier Property Type: Domestic Property (Single) Location: 1-6 Almshoebury Cottages, St. Ippollitts, Herts., Sg4 7ns Authority: Environment Agency, Anglian Region Catchment Area: River Hiz (Hitchin) Reference: Prcnf05039 Permit Version: 1 Effective Date: 28th April 1992 Issued Date: 28th April 1992 Revocation Date: 7th January 1997 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Ippollitt'S Brook Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A7NW (W)	925	2	520480 226090
	Nearest Surface Water Feature	A13SE (SE)	42	-	521484 226358
13	Pollution Incidents to Controlled Waters Property Type: Poultry Yard/Battery Location: Bedford District Authority: Environment Agency, Anglian Region Pollutant: Organic Wastes: Poultry Manure (solid) Note: Ippollitts Brook Incident Date: 13th April 1994 Incident Reference: 2217 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Leaking Field Heap Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	358	2	521700 226700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Bedford District Authority: Environment Agency, Anglian Region Pollutant: Miscellaneous - Unknown Note: Ash Brook Incident Date: 20th September 1996 Incident Reference: 3371 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	882	2	521400 227400
15	Pollution Incidents to Controlled Waters Property Type: Road Location: Bedford District Authority: Environment Agency, Anglian Region Pollutant: Oils - Diesel (Including Agricultural) Note: Ash Brook Incident Date: 28th January 1993 Incident Reference: 1783 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Poor Operational Practice Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A23SW (N)	983	2	521300 227500
16	Water Abstractions Operator: Affinity Water Limited Licence Number: 6/33/13/*G/0007 Permit Version: 105 Location: Borehole - Little Wymondley Authority: Environment Agency, Anglian Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th September 2020 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18SE (N)	497	2	521500 227000
16	Water Abstractions Operator: Affinity Water Limited Licence Number: 6/33/13/*G/0007 Permit Version: 103 Location: Borehole - Little Wymondley Authority: Environment Agency, Anglian Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th November 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18SE (N)	497	2	521500 227000
16	Water Abstractions Operator: Veolia Water Central Limited Licence Number: 6/33/13/*G/0007 Permit Version: 102 Location: Borehole - Little Wymondley Authority: Environment Agency, Anglian Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 20th July 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18SE (N)	497	2	521500 227000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	Water Abstractions Operator: Three Valleys Water Plc Licence Number: 6/33/13/*G/0007 Permit Version: 100 Location: Borehole - Little Wymondley Authority: Environment Agency, Anglian Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: C Chalk 2; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st March 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18SE (N)	497	2	521500 227000
17	Water Abstractions Operator: Mr F T Gearing Licence Number: 6/33/13/*g/079 Permit Version: Not Supplied Location: Borehole At Chantry Farm, WYMONDLEY Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 5 Yearly Rate (m3): 23000 Details: C Chalk 2; Status: Revoked 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	A14NW (NE)	640	2	522030 226725
17	Water Abstractions Operator: F T Gearing Landscape Licence Number: 6/33/13/*G/0097 Permit Version: 100 Location: Borehole At Todds Green Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: C Chalk 2; Status: Perpetuity Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 1st May 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	643	2	522030 226730
17	Water Abstractions Operator: Mr F T Gearing Licence Number: 6/33/13/*g/087 Permit Version: Not Supplied Location: Borehole At Chantry Farm, WYMONDLEY Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 9 Yearly Rate (m3): 45500 Details: C Chalk 2; Status: Revoked 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	A14NW (NE)	645	2	522035 226725

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Kuwait Petroleum (GB) Ltd Licence Number: 6/33/13/*g/099 Permit Version: Not Supplied Location: Borehole At, LITTLE WYMONDLEY Authority: Environment Agency, Anglian Region Abstraction: Unspecified Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 2 Yearly Rate (m3): 5000 Details: C Chalk 2; Status: Revoked 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 10m	A17NW (NW)	1016	2	520720 227330
	Water Abstractions Operator: Hertfordshire & Bedfordshire Petroleum Licence Number: 6/33/13/*G/0086 Permit Version: 100 Location: Borehole W Of Little Wymondley Authority: Environment Agency, Anglian Region Abstraction: Commercial Private Water Undertaking: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: C Chalk 2; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 1988 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17NW (NW)	1025	2	520685 227315
	Water Abstractions Operator: Hertfordshire & Bedfordshire Petroleum Licence Number: 6/33/13/*G/0086 Permit Version: 100 Location: Borehole W Of Little Wymondley Authority: Environment Agency, Anglian Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: C Chalk 2; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 1988 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17NW (NW)	1029	2	520680 227315
	Water Abstractions Operator: Stutley Bros Limited Licence Number: 6/33/13/*g/022 Permit Version: Not Supplied Location: Borehole West Of, LITTLE WYMONDLEY Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 0 Yearly Rate (m3): Not Supplied Details: C Chalk 2; Status: Revoked 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	A17NW (NW)	1029	2	520685 227320

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Herts & Beds Petroleum Licence Number: 6/33/13/*g/086 Permit Version: Not Supplied Location: Borehole , West Of Little Wymondley Authority: Environment Agency, Anglian Region Abstraction: Private Water Undertaking Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 8 Yearly Rate (m3): 27300 Details: C Chalk 2; Status: Perpetuity 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 10m	A17NW (NW)	1033	2	520680 227320
	Water Abstractions Operator: Stutley Bros Limited Licence Number: 6/33/13/*g/022 Permit Version: Not Supplied Location: Borehole West Of, LITTLE WYMONDLEY Authority: Environment Agency, Anglian Region Abstraction: Industrial Processing (Miscellaneous) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 0 Yearly Rate (m3): Not Supplied Details: C Chalk 2; Status: Revoked 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	A17NW (NW)	1033	2	520685 227325
	Water Abstractions Operator: Letchworth Garden City Licence Number: 6/33/13/*s/034 Permit Version: Not Supplied Location: Watercourse Southwest Of Great Wymondley, WYMONDLEY, Hertfordshire Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 2 Yearly Rate (m3): 727270 Details: Status: Perpetuity 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 10m	A22SE (NW)	1109	2	520805 227495
	Water Abstractions Operator: Letchworth Garden City Licence Number: 6/33/13/**/034 Permit Version: Not Supplied Location: Watercourse , North Of Great Wymondley Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 2 Yearly Rate (m3): 727270 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22SE (NW)	1112	2	520800 227495

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Letchworth Garden City Licence Number: 6/33/13/**/034 Permit Version: Not Supplied Location: Watercourse East Of, GREAT WYMONDLEY Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 2 Yearly Rate (m3): 727000 Details: Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22SE (NW)	1116	2	520800 227500
	Water Abstractions Operator: Letchworth Garden City Licence Number: 6/33/13/*s/034 Permit Version: Not Supplied Location: Pond, WYMONDLEY, Hertfordshire Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Catchpit, Catchment Tank or Collecting Tank Daily Rate (m3): 10 Yearly Rate (m3): 727270 Details: Status: Perpetuity 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 10m	A24NW (N)	1439	2	521800 227895
	Water Abstractions Operator: Letchworth Garden City Licence Number: 6/33/13/**/034 Permit Version: Not Supplied Location: Watercourse , North Of Great Wymondley Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 10 Yearly Rate (m3): 727270 Details: Not Supplied 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	A24NW (N)	1440	2	521805 227895
	Water Abstractions Operator: Letchworth Garden City Licence Number: 6/33/13/*s/034 Permit Version: Not Supplied Location: Watercourse East Of Great Wymondley, WYMONDLEY, Hertfordshire Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 10 Yearly Rate (m3): 727270 Details: Status: Perpetuity 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 10m	A24NW (N)	1443	2	521800 227900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: D G Scott Licence Number: 6/33/13/*g/057 Permit Version: Not Supplied Location: Well At, Little Almshoe Authority: Environment Agency, Anglian Region Abstraction: Unspecified Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 1 Yearly Rate (m3): 22730 Details: C Chalk 2; Status: Revoked 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	A6NW (W)	1624	2	519805 225895
	Water Abstractions Operator: D G Scott Licence Number: 6/33/13/*g/057 Permit Version: Not Supplied Location: Well At, Little Almshoe Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 0 Yearly Rate (m3): 22730 Details: C Chalk 2; Status: Revoked 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	A6NW (W)	1627	2	519800 225900
	Water Abstractions Operator: D G Scott Licence Number: 6/33/13/*g/057 Permit Version: Not Supplied Location: Well At, Little Almshoe Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 1 Yearly Rate (m3): 22730 Details: C Chalk 2; Status: Revoked 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	A6NW (W)	1628	2	519800 225895
	Water Abstractions Operator: Letchworth Garden City Licence Number: 6/33/13/**/034 Permit Version: Not Supplied Location: Watercourse , North Of Great Wymondley Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 2 Yearly Rate (m3): 727270 Details: Not Supplied 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	A21SE (NW)	1665	2	520205 227745

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Letchworth Garden City Licence Number: 6/33/13/**/034 Permit Version: Not Supplied Location: Watercourse North Of, GREAT WYMONDLEY Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 2 Yearly Rate (m3): 727000 Details: Status: Perpetuity 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	A21SE (NW)	1668	2	520200 227745
	Water Abstractions Operator: Letchworth Garden City Licence Number: 6/33/13/*s/034 Permit Version: Not Supplied Location: Watercourse Southwest Of Great Wymondley, WYMONDLEY, Hertfordshire Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 2 Yearly Rate (m3): 727270 Details: Status: Perpetuity 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 10m	A21SE (NW)	1669	2	520205 227750
	Water Abstractions Operator: K J Dinnin Licence Number: 6/33/13/*g/039 Permit Version: Not Supplied Location: Borehole At, ST IPPOLLITTS Authority: Environment Agency, Anglian Region Abstraction: Domestic Use Only Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 1 Yearly Rate (m3): 2270 Details: C Chalk 3; Status: Revoked 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	A1NW (SW)	1921	2	519800 225300
	Water Abstractions Operator: K J Dinnin Licence Number: 6/33/13/*g/039 Permit Version: Not Supplied Location: Borehole At, ST IPPOLLITTS Authority: Environment Agency, Anglian Region Abstraction: Unspecified Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 1 Yearly Rate (m3): 2270 Details: C Chalk 3; Status: Revoked 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	A1NW (SW)	1924	2	519800 225295

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	A13NW (W)	0	3	521398 226458
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	A13NW (W)	0	3	521398 226458
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13NW (W)	0	3	521398 226458
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NW (W)	0	3	521398 226458
18	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	A13NE (NE)	0	2	521404 226463
19	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	A13NW (W)	0	2	521398 226458
20	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	A13NE (NE)	106	2	521457 226600
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
21	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 18.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A13SE (SE)	82	4	521517 226332
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A13SE (SE)	82	4	521518 226333

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 115.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A13SW (S)	83	4	521396 226300
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A13SE (SE)	84	4	521531 226343
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 62.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A13SE (SE)	84	4	521550 226368
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A13SE (E)	96	4	521571 226403
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A13SE (E)	99	4	521574 226408
28	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 7.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A13SE (E)	115	4	521587 226431
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A13SW (S)	120	4	521395 226300
30	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 7.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A13SE (E)	120	4	521591 226437
31	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 18.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A13SE (E)	120	4	521591 226437

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 89.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A13SE (E)	123	4	521595 226430
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A13SW (S)	124	4	521388 226300
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A13SW (S)	130	4	521383 226296
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A13SW (S)	135	4	521379 226292
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 120.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A13SE (E)	137	4	521605 226448
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A13SW (S)	138	4	521377 226291
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A13SW (S)	138	4	521377 226291
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 128.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A13SW (S)	139	4	521379 226288
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A13SW (S)	146	4	521371 226285

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A13SW (S)	166	4	521355 226272
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 406.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A13SW (S)	169	4	521353 226270
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A13SE (E)	198	4	521672 226384
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A13NE (NE)	198	4	521604 226556
45	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 42.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Lawn Pond Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A13NE (NE)	203	4	521605 226561
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 225.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A13SE (E)	207	4	521680 226380
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 99.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A14SW (E)	422	4	521872 226264
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 46.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A14SW (E)	423	4	521873 226266
49	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 82.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A12NE (W)	426	4	520907 226566

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A12SE (SW)	460	4	520994 226150
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 184.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A12SE (SW)	465	4	520988 226149
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 75.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A12NE (W)	471	4	520872 226628
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A14SW (E)	518	4	521964 226237
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 87.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A14SW (E)	520	4	521966 226237
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A14SW (E)	607	4	522045 226200
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A14SW (E)	617	4	522054 226197
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 556.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A12SE (SW)	623	4	520805 226124
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 728.6 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A12SE (SW)	623	4	520805 226124

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 207.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A9NW (SE)	632	4	522023 226094
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A14SE (E)	643	4	522079 226187
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A14SE (E)	651	4	522086 226183
62	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: Cam Ely Ouse and South Level Primacy: 1	A18SE (NE)	657	4	521710 227091
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.5 Watercourse Level: On ground surface Permanent: False Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A14SE (E)	686	4	522118 226168
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 110.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A14SE (E)	719	4	522148 226154
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A18NE (N)	768	4	521439 227283
66	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 7.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A18NE (N)	777	4	521417 227294
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 29.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A14SE (E)	829	4	522255 226128

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 83.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A19SW (NE)	847	4	522046 227055
69	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 31.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A8SW (S)	886	4	521063 225607
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A7SE (S)	886	4	521059 225609
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 423.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A8SW (S)	893	4	521088 225587
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 53.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A19NW (NE)	895	4	521845 227287
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 102.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ash Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A18NW (N)	912	4	521356 227431
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 65.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ash Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A18NW (N)	912	4	521356 227431
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 52.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ash Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A18NE (N)	922	4	521459 227436
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.5 Watercourse Level: Underground Permanent: True Watercourse Name: Ash Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A18NW (N)	929	4	521293 227446

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A19SE (NE)	930	4	522105 227113
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.9 Watercourse Level: Underground Permanent: True Watercourse Name: Ash Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A18NE (N)	932	4	521511 227440
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 65.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ash Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A18NW (N)	933	4	521276 227449
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ash Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A19SE (NE)	933	4	522107 227115
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ash Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A19SE (NE)	933	4	522108 227114
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.4 Watercourse Level: Underground Permanent: True Watercourse Name: Ash Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A19SE (NE)	933	4	522108 227114
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A19SE (NE)	935	4	522182 227019
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 264.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ash Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A19NW (NE)	935	4	522021 227209
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 382.7 Watercourse Level: Underground Permanent: True Watercourse Name: Ash Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A18NE (N)	936	4	521597 227428

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 84.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ash Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A19SE (NE)	937	4	522125 227100
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ash Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A19NE (NE)	939	4	522091 227143
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A19NE (NE)	939	4	522091 227143
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 102.5 Watercourse Level: Underground Permanent: True Watercourse Name: Ash Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A19SE (NE)	940	4	522209 226999
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ash Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A19SE (NE)	940	4	522239 226954
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.2 Watercourse Level: Underground Permanent: True Watercourse Name: Ash Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A19SE (NE)	941	4	522242 226950
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ash Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A19SE (NE)	942	4	522249 226944
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.3 Watercourse Level: Underground Permanent: True Watercourse Name: Ash Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A19SE (NE)	943	4	522260 226929
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ash Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A18NE (N)	944	4	521531 227449

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ash Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A18NE (N)	944	4	521533 227449
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 74.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A18NE (N)	944	4	521532 227449
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 60.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ash Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A19SE (NE)	946	4	522275 226912
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 75.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ash Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A18NW (N)	948	4	521212 227458
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.0 Watercourse Level: Underground Permanent: True Watercourse Name: Ash Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A19SE (NE)	959	4	522315 226867
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ash Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A19SE (NE)	959	4	522318 226864
101	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.8 Watercourse Level: Underground Permanent: True Watercourse Name: Ash Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A19SE (E)	972	4	522345 226839
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A19NE (NE)	975	4	522120 227164
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ash Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A23SW (N)	983	4	521140 227483

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 42.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ash Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A19SE (E)	983	4	522369 226815
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A19NE (NE)	987	4	522129 227172
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 47.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A19NE (NE)	989	4	522143 227161
107	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 103.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ash Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A14NE (E)	993	4	522394 226782

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
108	Historical Landfill Sites Licence Holder: C J Pryor Earth Moving Contractors Limited Location: Little Wymondley Name: Wymondleybury Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD01147 First Input Date: 20th August 1991 Last Input Date: 27th January 1993 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 1900/0334 BGS Ref: Not Supplied Other Ref: 91/262	A18SW (N)	406	2	521332 226925
109	Historical Landfill Sites Licence Holder: Not Supplied Location: Little Wymondley, Near Hitchen, Hertfordshire Name: Little Wymondley Gravel Pit Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD13145 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: HCC082, LS82, HCC120, 0500/5097	A17SE (NW)	795	2	520797 227108
110	Historical Landfill Sites Licence Holder: J W Stutley Location: Little Wymondley, Near Hitchen, Hertfordshire Name: Little Wymondley Quarry Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD01505 First Input Date: Not Supplied Last Input Date: 31st May 1983 Specified Waste: Deposited Waste included Inert, Industrial and Commercial Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 1900/0333 BGS Ref: Not Supplied Other Ref: 83/157, 78/0085, 78/55, 1900/5342	A17SE (NW)	796	2	520797 227109
111	Licensed Waste Management Facilities (Locations) Licence Number: 80276 Location: Wymondley Bury, Little Wymondley, Hertfordshire, SG4 7JN Operator Name: Wymondley Pet Crematorium Operator Location: Not Supplied Authority: Environment Agency - Anglian Region, Central Area Site Category: Incinerators Licence Status: Surrendered Issued: 6th March 1996 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 6th August 2003 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18SE (NE)	660	2	521700 227100
	Local Authority Landfill Coverage Name: Hertfordshire County Council - Has supplied landfill data		0	5	521398 226458
	Local Authority Landfill Coverage Name: North Hertfordshire District Council - Has supplied landfill data		0	6	521398 226458
	Local Authority Landfill Coverage Name: Stevenage Borough Council - Has supplied landfill data		528	7	521966 226599

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
112	Local Authority Recorded Landfill Sites Location: Rear Of Bungalow Farm, Little Wymondley Reference: 489 Authority: Hertfordshire County Council, Spatial Planning and Economy Unit Last Reported Status: Unknown Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Applicable	A18SW (N)	597	5	521200 227100
113	Local Authority Recorded Landfill Sites Location: Wymondley Quarry, Little Wymondley, Near Hitchin Reference: 83/157 Authority: North Hertfordshire District Council, Environmental Health Department Last Reported Status: Open Types of Waste: Non-Hazardous Rubble And Spoil, Non-Hazardous Commercial And Industrial Solid Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A17SE (NW)	793	6	520799 227107
114	Local Authority Recorded Landfill Sites Location: Wymondley Pit, Little Wymondley Reference: 23 Authority: Hertfordshire County Council, Spatial Planning and Economy Unit Last Reported Status: Unknown Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A17SE (NW)	793	5	520799 227107
115	Local Authority Recorded Landfill Sites Location: Wymondley Quarry, Little Wymondley, Hitchin Reference: 78/55 Authority: North Hertfordshire District Council, Environmental Health Department Last Reported Status: Unknown Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A17SE (NW)	793	6	520799 227107
116	Local Authority Recorded Landfill Sites Location: Little Wymondley Reference: 82 Authority: North Hertfordshire District Council, Environmental Health Department Last Reported Status: Open Types of Waste: Non-Putrescible Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A17SE (NW)	793	6	520799 227107
117	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1981	A9NE (SE)	920	10	522301 226003
118	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1981	A14NE (E)	923	10	522385 226559
119	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1960	A18SE (NE)	652	10	521670 227106
120	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1960	A18SE (NE)	656	10	521707 227091
121	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1960	A9NE (SE)	935	10	522290 225949

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
122	Registered Landfill Sites Licence Holder: C J Pryor (Earth Moving Contr) Ltd Licence Reference: 91/262 Site Location: South Of Bungalow Farm, Little Wymondley, Hitchin, Hertfordshire Licence Easting: 521200 Licence Northing: 227100 Operator Location: Harlow Common, HARLOW, Essex, CM17 9HY Authority: Environment Agency - Thames Region, North East Area Site Category: Landfill Max Input Rate: Undefined Waste Source: Waste produced/controlled by licence holder Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st August 1991 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the road within the address or location Boundary Accuracy: Not Applicable Authorised Waste: Clean Non-Haz. Top/Subsoil & Other Sim'R Inert Waste (Serplan A) Prohibited Waste: Chemical Contamination Empty Containers Liable To Cause Environmental Hazards Other Similar Mat'ls Paper Plasterboard/Plaster Plastic Timber	A18SW (N)	597	2	521200 227100
123	Registered Waste Transfer Sites Licence Holder: J R Boxall t/a Wymondley Pet Crematorium Licence Reference: 96/335 Site Location: Wymondley Bury, Little Wymondley, HITCHIN, Hertfordshire, SG4 7JN Operator Location: As Site Address Authority: Environment Agency - Anglian Region, Central Area Site Category: Incineration - with transfer Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 6th April 1996 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Approximate location provided by supplier Boundary Quality: Not Supplied Authorised Waste: Max.Waste Permitted By Licence Pet Animal Carcasses And Their Immediate Wrappings Prohibited Waste: Waste N.O.S.	A18SE (NE)	660	2	521700 227100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: White Chalk Subgroup	A13NW (W)	0	1	521398 226458
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil 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	A13NW (W)	0	1	521398 226458
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (SW)	40	1	521351 226390
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil 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: 30 - 45 mg/kg	A13NE (NE)	57	1	521453 226543
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil 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: 30 - 45 mg/kg	A13SW (SW)	124	1	521296 226344
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil 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: 30 - 45 mg/kg	A13SW (SW)	276	1	521251 226198
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil 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	A18SE (N)	304	1	521437 226816

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NE (NE)	388	1	521726 226720
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A18SW (N)	487	1	521266 227000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A12NE (NW)	514	1	520875 226756
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A17SE (NW)	584	1	521000 227000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A9NW (SE)	597	1	521988 226103
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14NW (E)	658	1	522057 226713

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A17SE (NW)	675	1	520858 227000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A19SE (NE)	915	1	522168 227022
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A8SE (S)	921	1	521721 225511
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14NE (E)	925	1	522344 226722
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A19SE (NE)	925	1	522145 227057
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A19SE (NE)	926	1	522168 227022

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A18NW (N)	931	1	521348 227450
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A19NW (NE)	935	1	521996 227231
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A14NE (E)	941	1	522375 226680
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A18NE (N)	947	1	521449 227462
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A7NW (SW)	983	1	520432 226057
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A19SE (NE)	1000	1	522293 226980

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
124	BGS Recorded Mineral Sites Site Name: Little Wymondley Chalk Pit Location: Wymondley, Hitchin, Hertfordshire Source: British Geological Survey, National Geoscience Information Service Reference: 166626 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A18SW (N)	571	1	521324 227089
125	BGS Recorded Mineral Sites Site Name: Spoil Bank Gravel Pit Location: Todd'S Green, Wymondley, Hitchin, Hertfordshire Source: British Geological Survey, National Geoscience Information Service Reference: 166600 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Mid Pleistocene Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A14NE (E)	910	1	522370 226568
126	BGS Recorded Mineral Sites Site Name: Wymondley Gravel Pit Location: Little Wymondley, Hitchin, Hertfordshire Source: British Geological Survey, National Geoscience Information Service Reference: 2309 Type: Opencast Status: Ceased Operator: Individual'S Name Withheld Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Mid Pleistocene Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 100m	A17NW (NW)	999	1	520600 227200
	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				
	Natural Cavities Easting: 521730 Northing: 225910 Distance: 553 Quadrant Reference: A8 Quadrant Reference: NE Bearing Ref: SE Cavity Type: Swallow Hole Solid Geology Detail: Chalk Group Superficial Geology: Glacial Deposits Detail:	A8NE (SE)	553	8	521730 225910
	Natural Cavities Easting: 521750 Northing: 225850 Distance: 616 Quadrant Reference: A9 Quadrant Reference: NW Bearing Ref: SE Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology: No Details Detail:	A9NW (SE)	616	8	521750 225850

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Natural Cavities Easting: 521610 Northing: 225570 Distance: 838 Quadrant Reference: A8 Quadrant Reference: SE Bearing Ref: S Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology No Details Detail:	A8SE (S)	838	8	521610 225570
	Natural Cavities Easting: 521700 Northing: 225540 Distance: 887 Quadrant Reference: A8 Quadrant Reference: SE Bearing Ref: S Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology No Details Detail:	A8SE (S)	887	8	521700 225540
	Natural Cavities Easting: 521740 Northing: 225500 Distance: 937 Quadrant Reference: A9 Quadrant Reference: SW Bearing Ref: S Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology No Details Detail:	A9SW (S)	937	8	521740 225500
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	521398 226458
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	521398 226458
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	521398 226458
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	521398 226458
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	57	1	521453 226543
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	521398 226458
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	521398 226458
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	521398 226458
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	40	1	521351 226390
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	57	1	521453 226543
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	124	1	521296 226344

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	521398 226458
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	521398 226458

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
127	Contemporary Trade Directory Entries Name: 365 Aerospace Location: 9-10 Titmore Court, Titmore Green, Little Wymondley, Hitchin, SG4 7JT Classification: Aviation Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (NW)	0	-	521364 226507
127	Contemporary Trade Directory Entries Name: Columbia Laboratories (UK) Ltd Location: 9-10 Titmore Court, Titmore Green, Little Wymondley, Hitchin, SG4 7JT Classification: Pharmaceutical Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	0	-	521364 226507
128	Contemporary Trade Directory Entries Name: Carbon Copy Location: Unit 32 Shangri-La Farm, Todds Green, Stevenage, Hertfordshire, SG1 2JE Classification: Carbon Products Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (SE)	562	-	521977 226155
129	Contemporary Trade Directory Entries Name: Renn Works Location: Unit 8 Shangri-La, Todds Green, Stevenage, Hertfordshire, SG1 2JE Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (E)	565	-	522031 226306
130	Contemporary Trade Directory Entries Name: Daytona Coachworx Location: Shangri-La Farm Todds Green, Todds Green, Stevenage, Hertfordshire, SG1 2JE Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (E)	566	-	522006 226211
131	Contemporary Trade Directory Entries Name: T & M Recovery Services Ltd Location: Shangri-La, Todds Green, Stevenage, Hertfordshire, SG1 2JE Classification: Salvage Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	589	-	522061 226354
131	Contemporary Trade Directory Entries Name: Eco Batteries Ltd T/A Stevenage Batteries Location: Shangri-La, Todds Green, Stevenage, Hertfordshire, SG1 2JE Classification: Fireplaces & Mantelpieces Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	589	-	522061 226354
131	Contemporary Trade Directory Entries Name: Atlantic Gentrade Ltd Location: Shangri-La, Todds Green, Stevenage, Hertfordshire, SG1 2JE Classification: Oil & Gas Exploration Supplies & Services Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (E)	589	-	522061 226354
131	Contemporary Trade Directory Entries Name: T & R Logistics Location: Shangri-La, Todds Green, Stevenage, Hertfordshire, SG1 2JE Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	589	-	522061 226354
131	Contemporary Trade Directory Entries Name: Apollo Coachworks Location: Shangri-La, Todds Green, Stevenage, Hertfordshire, SG1 2JE Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	589	-	522061 226354
131	Contemporary Trade Directory Entries Name: T Angel Transport Ltd Location: Shangri-La, Todds Green, Stevenage, Hertfordshire, SG1 2JE Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	589	-	522061 226354

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
131	Contemporary Trade Directory Entries Name: A D S Joinery Design Location: 29-30 Shangri-Lane Farm, Stevenage, Hertfordshire, SG1 2JE Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	593	-	522065 226350
131	Contemporary Trade Directory Entries Name: Stevenage Cars Location: SHANGRI-LA, TODDS GREEN, STEVENAGE, SG1 2JE Classification: Car Dealers - Used Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (E)	593	-	522065 226350
131	Contemporary Trade Directory Entries Name: A C S 2000 Ltd Location: Shangri-La, Todds Green, Stevenage, Hertfordshire, SG1 2JE Classification: Builders' Merchants Status: Active Positional Accuracy: Manually positioned to the address or location	A14SW (E)	593	-	522065 226350
132	Contemporary Trade Directory Entries Name: Apollo Coachworks Location: Todds Green, Stevenage, Hertfordshire, SG1 2JE Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A14NW (E)	592	-	522061 226489
132	Contemporary Trade Directory Entries Name: G R General Services Location: Todds Green, Stevenage, Hertfordshire, SG1 2JE Classification: Scaffolding & Work Platforms Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A14NW (E)	592	-	522061 226489
133	Contemporary Trade Directory Entries Name: Dynamite Auto Body Works Location: Unit 19 Shangri-La, Todds Green, Stevenage, Hertfordshire, SG1 2JE Classification: Car Body Repairs Status: Active Positional Accuracy: Manually positioned to the address or location	A14SW (SE)	625	-	522036 226132
134	Contemporary Trade Directory Entries Name: Wymondley Pet Crematorium Location: Wymondley Bury, Little Wymondley, Hitchin, Hertfordshire, SG4 7JN Classification: Pet Cemeteries & Crematoria Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	627	-	521678 227074
135	Contemporary Trade Directory Entries Name: Ant'S Autos Location: Courtlands, Todds Green, Stevenage, Hertfordshire, SG1 2JE Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	675	-	522013 226814
135	Contemporary Trade Directory Entries Name: Ant'S Autos Location: Courtlands, Todds Green, Stevenage, Hertfordshire, SG1 2JE Classification: Car Breakdown & Recovery Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	675	-	522013 226814
136	Contemporary Trade Directory Entries Name: A D Hobbs Location: 1, Bury Cottages, Little Wymondley, Hitchin, Hertfordshire, SG4 7JN Classification: Car Breakdown & Recovery Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	836	-	521728 227281
137	Contemporary Trade Directory Entries Name: Press Me For Time Location: 51, Kessingland Avenue, Stevenage, Hertfordshire, SG1 2JR Classification: Ironing & Home Laundry Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	875	-	522337 226258
138	Contemporary Trade Directory Entries Name: Melford Pest Control Location: Melford, Stevenage Road, Little Wymondley, Hitchin, Hertfordshire, SG4 7JA Classification: Pest & Vermin Control Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	880	-	521348 227399

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
138	Contemporary Trade Directory Entries Name: Bks Ovotherm Location: Stevenage Rd, Little Wymondley, Hitchin, Hertfordshire, SG4 7JA Classification: Packaging Materials Manufacturers & Suppliers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18NW (N)	903	-	521372 227422
139	Contemporary Trade Directory Entries Name: Red Carpet Treatment Location: 5, Caister Close, Stevenage, Hertfordshire, SG1 2JP Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	909	-	522383 226397
140	Contemporary Trade Directory Entries Name: Graham Hilton Cars Location: 1 Stevenage Road, Little Wymondley, Hitchin, Hertfordshire, SG4 7HT Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A19NW (NE)	918	-	521834 227320
140	Contemporary Trade Directory Entries Name: Stevenage Road Garage Location: Stevenage Road, Little Wymondley, Hitchin, SG4 7HT Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	921	-	521838 227321
140	Contemporary Trade Directory Entries Name: Graham Hilton Location: Stevenage Rd, Little Wymondley, Hitchin, Hertfordshire, SG4 7HT Classification: Car Dealers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A19NW (NE)	963	-	521870 227352
141	Contemporary Trade Directory Entries Name: Lilys Crystal Clean Location: 27, Berwick Close, STEVENAGE, Hertfordshire, SG1 2XJ Classification: Laundries & Launderettes Status: Active Positional Accuracy: Automatically positioned to the address	A9NE (SE)	921	-	522216 225861
142	Contemporary Trade Directory Entries Name: Homelea Mobility Ltd Location: 22, Fishers Green, Stevenage, Hertfordshire, SG1 2JA Classification: Disability Equipment - Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	968	-	522348 225989
143	Contemporary Trade Directory Entries Name: M C Products Ltd Location: Unit 1/B, Elms Yard, Stevenage Road, Little Wymondley, HITCHIN, Hertfordshire, SG4 7HY Classification: Car Washing & Polishing Equipment & Supplies Status: Active Positional Accuracy: Automatically positioned to the address	A23SW (N)	977	-	521264 227492
144	Contemporary Trade Directory Entries Name: Andrew Charles Watch & Clockmakers Ltd Location: ELMS YARD, STEVENAGE ROAD, LITTLE WYMONDLEY, SG4 7HY Classification: Clocks & Watches - Manufacturers & Wholesalers Status: Active Positional Accuracy: Automatically positioned to the address	A23SW (N)	986	-	521215 227497
144	Contemporary Trade Directory Entries Name: Emerald Ltd Location: Unit 1a, Elms Yard, Stevenage Road, Little Wymondley, Hitchin, Hertfordshire, SG4 7HY Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A23SW (N)	998	-	521213 227508
144	Contemporary Trade Directory Entries Name: Display-Cor Location: Unit 3-4, Elms Yard, Stevenage Road, Little Wymondley, Hitchin, Hertfordshire, SG4 7HY Classification: Screen Process Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A23SW (N)	998	-	521213 227508

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
144	Contemporary Trade Directory Entries Name: Emerald Spring Services Location: Unit 1a, Elms Yard, Stevenage Road, Little Wymondley, Hitchin, Hertfordshire, SG4 7HY Classification: Spring Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A23SW (N)	998	-	521213 227508
145	Contemporary Trade Directory Entries Name: A D Fuel Oils Location: Oil Depot, Little Wymondley, Hitchin, Hertfordshire, SG4 7JQ Classification: Oil Fuel Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	992	-	520752 227325
145	Contemporary Trade Directory Entries Name: A D Fuel Oils Location: Oil Depot, Little Wymondley, Hitchin, Hertfordshire, SG4 7JQ Classification: Oil Fuel Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	992	-	520752 227325
145	Contemporary Trade Directory Entries Name: A D Fuel Oils Location: Oil Depot, Little Wymondley, Hitchin, Hertfordshire, SG4 7JQ Classification: Oil Fuel Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	992	-	520752 227325
146	Contemporary Trade Directory Entries Name: Bridge Garage Location: 1, Priory Lane, Little Wymondley, Hitchin, Hertfordshire, SG4 7HE Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A23SE (N)	993	-	521514 227501
146	Contemporary Trade Directory Entries Name: Priory Lane Car Sales Location: 1, Priory Lane, Little Wymondley, Hitchin, Hertfordshire, SG4 7HE Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A23SE (N)	998	-	521514 227506
147	Fuel Station Entries Name: Graham Hilton Cars Location: Stevenage Road, Little Wymondley, Hitchin, Hertfordshire, SG4 7HT Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A19NW (NE)	918	-	521834 227320
148	Points of Interest - Commercial Services Name: Renn Works Location: Unit 8, Shangri-La Farm, Todds Green, Stevenage, SG1 2JE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SW (E)	565	9	522030 226305
148	Points of Interest - Commercial Services Name: K & M Auto Repairs Location: Shangri-La, Todds Green, Stevenage, SG1 2JE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SW (E)	589	9	522061 226354
148	Points of Interest - Commercial Services Name: K N M Auto Repairs Ltd Location: Shangri-La, Todds Green, Stevenage, SG1 2JE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SW (E)	589	9	522061 226354
148	Points of Interest - Commercial Services Name: T Angel Transport Ltd Location: Shangri-La, Todds Green, Stevenage, SG1 2JE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14SW (E)	589	9	522061 226354

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
148	Points of Interest - Commercial Services Name: Angel & Wilson Transport Ltd Location: Shangri-La, Todds Green, Stevenage, SG1 2JE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14SW (E)	589	9	522061 226354
148	Points of Interest - Commercial Services Name: T & R Logistics Location: Shangri-La, Todds Green, Stevenage, SG1 2JE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14SW (E)	593	9	522065 226350
149	Points of Interest - Commercial Services Name: Daytona Coachworx Location: Shangri-La, Todds Green, Stevenage, SG1 2JE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SW (E)	566	9	522006 226211
149	Points of Interest - Commercial Services Name: Dynamite Auto Body Works Location: Unit 19 Shangri-La, Todds Green, Stevenage, SG1 2JE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SW (SE)	622	9	522033 226133
150	Points of Interest - Commercial Services Name: Ant's Autos Location: Courtlands, Todds Green, Stevenage, SG1 2JE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19SW (NE)	675	9	522013 226814
151	Points of Interest - Commercial Services Name: Melford Pest Control Location: Melford, Stevenage Road, Little Wymondley, Hitchin, SG4 7JA Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A18NW (N)	880	9	521348 227399
151	Points of Interest - Commercial Services Name: Melford Pest Control Location: Melford, Stevenage Road, Little Wymondley, SG4 7JA Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A18NW (N)	881	9	521348 227400
152	Points of Interest - Commercial Services Name: Pdubz Ltd Location: 6 Stevenage Road, Little Wymondley, SG4 7HY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	897	9	521511 227404
153	Points of Interest - Commercial Services Name: Graham Hilton Cars Location: Garage, Stevenage Road, Little Wymondley, SG4 7HT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19NW (NE)	917	9	521833 227320
153	Points of Interest - Commercial Services Name: Stevenage Road Garage Location: Stevenage Road, Little Wymondley, Hitchin, SG4 7HT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19NW (NE)	918	9	521834 227320
154	Points of Interest - Manufacturing and Production Name: Fish Face Farm Location: Shangri-La, Todds Green, Stevenage, SG1 2JE Category: Farming Class Code: Poultry Farming, Equipment and Supplies Positional Accuracy: Positioned to address or location	A14SW (E)	588	9	522060 226354
154	Points of Interest - Manufacturing and Production Name: Ivory & Watts Location: Shangri-La, Todds Green, Stevenage, SG1 2JE Category: Farming Class Code: Poultry Farming, Equipment and Supplies Positional Accuracy: Positioned to address or location	A14SW (E)	589	9	522061 226354

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
154	Points of Interest - Manufacturing and Production Name: Shangri-la Farm Location: Shangri-La, Todds Green, Stevenage, SG1 2JE Category: Farming Class Code: Arable Farming Positional Accuracy: Positioned to address or location	A14SW (E)	593	9	522065 226350
155	Points of Interest - Manufacturing and Production Name: Cozycats Location: Greenfields, Todds Green, Stevenage, SG1 2JE Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A14NW (E)	590	9	522061 226473
156	Points of Interest - Manufacturing and Production Name: Tank Location: SG1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	617	9	522008 226096
157	Points of Interest - Manufacturing and Production Name: Poultry Farm Location: SG1 Category: Farming Class Code: Poultry Farming, Equipment and Supplies Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	734	9	522206 226471
158	Points of Interest - Manufacturing and Production Name: Poultry Houses Location: SG1 Category: Farming Class Code: Poultry Farming, Equipment and Supplies Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	796	9	522248 226593
159	Points of Interest - Manufacturing and Production Name: Romalia Cattery Location: Romalia, Church Path, Little Wymondley, Hitchin, SG4 7JE Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A18NE (N)	831	9	521636 227310
160	Points of Interest - Manufacturing and Production Name: Tank Location: SG4 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	952	9	520475 226936
161	Points of Interest - Manufacturing and Production Name: Tanks Location: SG4 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	977	9	520769 227318
161	Points of Interest - Manufacturing and Production Name: Tank Location: SG4 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A17NE (NW)	980	9	520760 227315
161	Points of Interest - Manufacturing and Production Name: Tank Location: SG4 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A17NE (NW)	983	9	520756 227316
162	Points of Interest - Public Infrastructure Name: Sewage Pumping Station Location: SG1 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	717	9	522152 226172
163	Points of Interest - Recreational and Environmental Name: Play Area Location: SG4 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	641	9	521482 227150

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
163	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	682	9	521478 227192
163	Points of Interest - Recreational and Environmental Name: Playground Location: Tower Close, SG4 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	683	9	521479 227193
164	Points of Interest - Recreational and Environmental Name: Play Area Location: SG1 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	653	9	522058 226113
165	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	912	9	522370 226232
165	Points of Interest - Recreational and Environmental Name: Playground Location: Kessingland Avenue, SG1 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	912	9	522370 226232
166	Gas Pipelines Name: GREAT WILBRAHAM TO WHITWELL Nat Grid: Owned By National Grid Diameter (mm): 900 Building Proximity: Not Supplied Distance (m): Status: Active Pipe Length (m): 54701.95 Pipe Number: Not Supplied	A13SE (SE)	0	10	521406 226449
167	Underground Electrical Cables Unique Feature Identifier: 10005837 Cable Status: Commissioned Cable Type: Alternating Current Record Last: 9th January 2023 Updated:	A18SE (N)	350	10	521494 226850
168	Underground Electrical Cables Unique Feature Identifier: 10005838 Cable Status: Commissioned Cable Type: Alternating Current Record Last: 9th January 2023 Updated:	A18SE (N)	356	10	521497 226855
169	Underground Electrical Cables Unique Feature Identifier: 10005835 Cable Status: Commissioned Cable Type: Alternating Current Record Last: 9th January 2023 Updated:	A18SE (N)	358	10	521517 226851
170	Underground Electrical Cables Unique Feature Identifier: 10008195 Cable Status: Commissioned Cable Type: Alternating Current Record Last: 9th January 2023 Updated:	A18SE (N)	363	10	521517 226856

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
171	Underground Electrical Cables Unique Feature Identifier: 10007812 Cable Status: Commissioned Cable Type: Alternating Current Record Last Updated: 9th January 2023	A17SE (NW)	619	10	520852 226912
172	Underground Electrical Cables Unique Feature Identifier: 10008314 Cable Status: Commissioned Cable Type: Alternating Current Record Last Updated: 9th January 2023	A17SE (NW)	622	10	520852 226915
173	Underground Electrical Cables Unique Feature Identifier: 10008129 Cable Status: Commissioned Cable Type: Alternating Current Record Last Updated: 9th January 2023	A17SW (NW)	886	10	520540 226920
174	Underground Electrical Cables Unique Feature Identifier: 10008128 Cable Status: Commissioned Cable Type: Alternating Current Record Last Updated: 9th January 2023	A17SW (W)	987	10	520398 226840

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
175	Ancient Woodland Name: Not Supplied Reference: 1414261 Area(m²): 43103.9 Type: Ancient and Semi-Natural Woodland	A14SW (SE)	414	11	521842 226216
176	Ancient Woodland Name: Not Supplied Reference: 1414263 Area(m²): 24420.31 Type: Ancient and Semi-Natural Woodland	A14NW (E)	627	11	522072 226597
177	Areas of Adopted Green Belt Authority: North Hertfordshire District Council Plan Name: North Hertfordshire District Local Plan Status: Adopted Plan Date: 30th April 1996	A13NW (W)	0	12	521398 226458
178	Areas of Adopted Green Belt Authority: Stevenage Borough Council Plan Name: Stevenage Local Plan Status: Adopted Plan Date: 22nd May 2019	A14NW (E)	524	13	521960 226602
179	Areas of Adopted Green Belt Authority: Stevenage Borough Council Plan Name: Stevenage Local Plan Status: Adopted Plan Date: 22nd May 2019	A19NW (NE)	950	13	522034 227217
180	Areas of Unadopted Green Belt Authority: North Hertfordshire District Council Plan Name: North Hertfordshire Local Plan Status: Submission Draft Plan Date: 11th April 2017	A13NW (W)	0	12	521398 226458
181	Nitrate Vulnerable Zones Name: Anglian Chalk Description: Groundwater Source: Environment Agency, Head Office	A13NW (W)	0	3	521398 226458
182	Nitrate Vulnerable Zones Name: Great Ouse Nvz Description: Surface Water Source: Environment Agency, Head Office	A13NW (W)	0	3	521398 226458

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices East Hertfordshire District Council - Environmental Health Department Environment Agency - Head Office North Hertfordshire District Council - Environmental Health Department Stevenage Borough Council - Environmental Health Department	January 2013 November 2023 October 2017 October 2017	Annual Rolling Update Annually Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Anglian Region Environment Agency - Thames Region	October 2023 October 2023	Quarterly Quarterly
Enforcement and Prohibition Notices Environment Agency - Thames Region	March 2013	
Integrated Pollution Controls Environment Agency - Thames Region	January 2009	
Integrated Pollution Prevention And Control Environment Agency - South East Region - North East Thames Area Environment Agency - Thames Region	January 2023 January 2023	Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control Stevenage Borough Council - Environmental Health Department East Hertfordshire District Council - Environmental Health Department North Hertfordshire District Council - Environmental Health Department	April 2015 January 2014 September 2014	Variable Variable Variable
Local Authority Pollution Prevention and Controls Stevenage Borough Council - Environmental Health Department North Hertfordshire District Council - Environmental Health Department East Hertfordshire District Council - Environmental Health Department	April 2015 December 2020 January 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Stevenage Borough Council - Environmental Health Department East Hertfordshire District Council - Environmental Health Department North Hertfordshire District Council - Environmental Health Department	April 2015 January 2014 September 2014	Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	December 2023	
Pollution Incidents to Controlled Waters Environment Agency - Anglian Region Environment Agency - Thames Region	September 1999 September 1999	
Prosecutions Relating to Authorised Processes Environment Agency - Thames Region	July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - Thames Region	March 2013	
Registered Radioactive Substances Environment Agency - Thames Region Environment Agency - Head Office	June 2016 May 2023	As notified Quarterly
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	April 2012	
River Quality Chemistry Sampling Points Environment Agency - Head Office	April 2012	
Substantiated Pollution Incident Register Environment Agency - South East Region - North East Thames Area Environment Agency - Thames Region - North East Area	October 2023 October 2023	Quarterly Quarterly
Water Abstractions Environment Agency - Anglian Region Environment Agency - Thames Region	October 2023 October 2023	Quarterly Quarterly

Agency & Hydrological	Version	Update Cycle
Water Industry Act Referrals Environment Agency - Thames Region	October 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	As notified
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	As notified
Source Protection Zones Environment Agency - Head Office	September 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2023	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	January 2024	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	January 2024	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	As notified

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	July 2023	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Thames Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - South East Region - North East Thames Area Environment Agency - Thames Region - North East Area	January 2024 January 2024	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Central Area Environment Agency - South East Region - North East Thames Area Environment Agency - Thames Region - North East Area	January 2023 January 2023 January 2023	Quarterly Quarterly Quarterly
Local Authority Landfill Coverage East Hertfordshire District Council - Environmental Health Department Hertfordshire County Council - Spatial Planning and Economy Unit North Hertfordshire District Council - Environmental Health Department Stevenage 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 East Hertfordshire District Council - Environmental Health Department Hertfordshire County Council - Spatial Planning and Economy Unit North Hertfordshire District Council - Environmental Health Department Stevenage Borough Council - Environmental Health Department	October 2018 October 2018 October 2018 October 2018	
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	
Registered Landfill Sites Environment Agency - Thames Region - North East Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency - Anglian Region - Central Area Environment Agency - Thames Region - North East Area	April 2018 April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - Thames Region - North East Area	June 2015	
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	March 2023	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Hertfordshire County Council - Spatial Planning and Economy Unit North Hertfordshire District Council Stevenage Borough Council East Hertfordshire District Council	February 2016 February 2016 June 2023 May 2023	Variable Variable Variable Variable
Planning Hazardous Substance Consents East Hertfordshire District Council Hertfordshire County Council - Spatial Planning and Economy Unit North Hertfordshire District Council Stevenage Borough Council	April 2015 February 2016 February 2016 February 2016	Variable Variable Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	January 2024	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	October 2023	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	October 2023	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	October 2023	Quarterly
Fuel Station Entries Catalist Ltd - Experian	November 2023	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Points of Interest - Commercial Services PointX	December 2023	Quarterly
Points of Interest - Education and Health PointX	December 2023	Quarterly
Points of Interest - Manufacturing and Production PointX	December 2023	Quarterly
Points of Interest - Public Infrastructure PointX	December 2023	Quarterly
Points of Interest - Recreational and Environmental PointX	December 2023	Quarterly
Underground Electrical Cables National Grid	February 2023	Bi-Annually

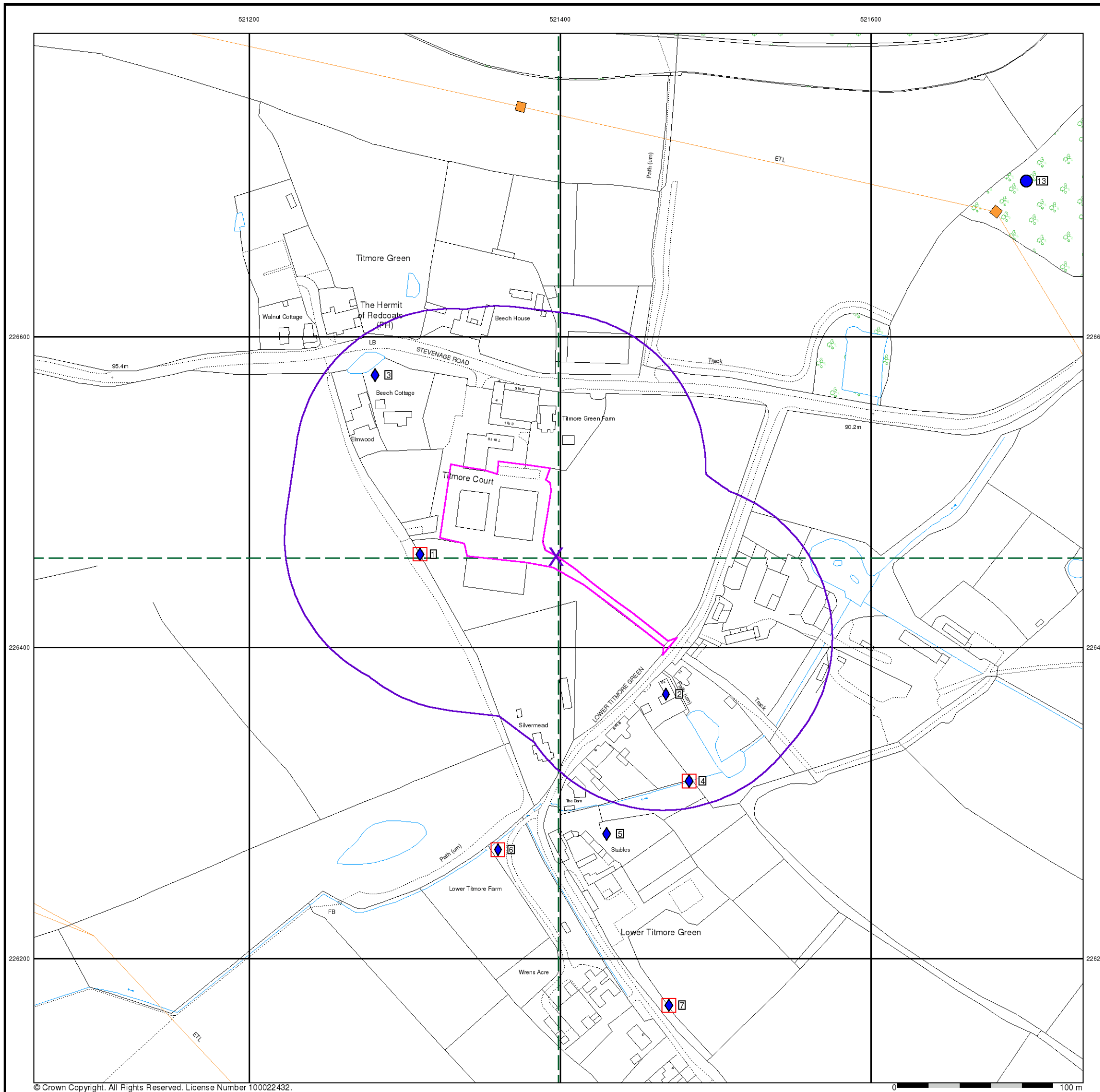
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	October 2023	Bi-Annually
Areas of Adopted Green Belt East Hertfordshire District Council North Hertfordshire District Council Stevenage Borough Council	August 2023 August 2023 August 2023	Quarterly Quarterly Quarterly
Areas of Unadopted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

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
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	Hertfordshire County Council - Spatial Planning and Economy Unit County Hall, Hertford, Hertfordshire, SG13 8DN	Telephone: 01992 556266 Fax: 01992 556015 Email: spatialplanning@hertfordshire.gov.uk Website: www.hertsdirect.org
6	North Hertfordshire District Council - Environmental Health Department Council Offices, Gernon Road, Letchworth, Hertfordshire, SG6 3JF	Telephone: 01462 474000 Fax: 01462 474559 Website: www.north-herts.gov.uk
7	Stevenage Borough Council - Environmental Health Department Daneshill House, Danestrete, Stevenage, Hertfordshire, SG1 1HN	Telephone: 01438 242242 Fax: 01438 740296 Website: www.stevenage.gov.uk
8	Stantec UK Ltd Caversham Bridge House, Waterman Place, Reading, RG1 8DN	Telephone: 0118 950 0761 Email: pba.reading@stantec.com Website: www.stantec.com
9	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
10	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9966 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk
11	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
12	North Hertfordshire District Council Council Offices, Gernon Road, Letchworth, Hertfordshire, SG6 3JF	Telephone: 01462 474000 Fax: 01462 474558 Website: www.north-herts.gov.uk
13	Stevenage Borough Council Daneshill House, Danestrete, Stevenage, Hertfordshire, SG1 1HN	Telephone: 01438 242242 Fax: 01438 740296 Website: www.stevenage.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.



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General

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

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral
- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

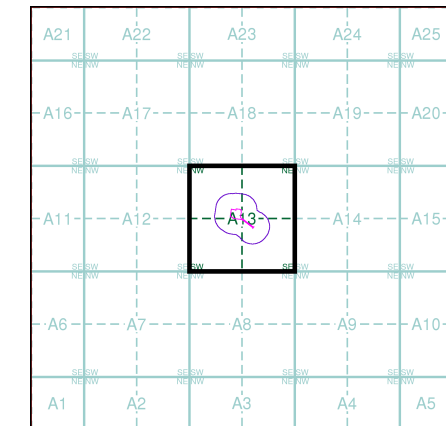
Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A13



Order Details

Order Number: 334873697_1_1
Customer Ref: 4948
National Grid Reference: 521400, 226460
Slice: A
Site Area (Ha): 0.44
Plot Buffer (m): 100

Site Details

Titmore Green Farm, Titmore Green, Little Wymondley,
HITCHIN, SG4 7JT

Landmark®
INFORMATION GROUP

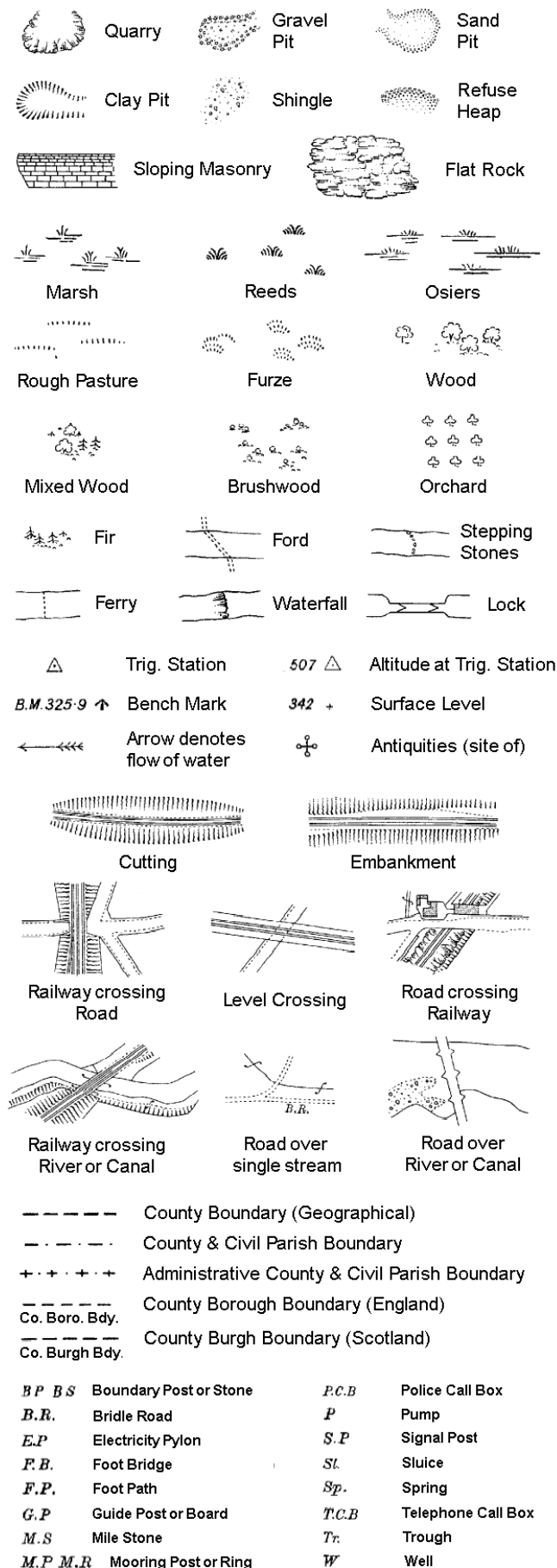
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



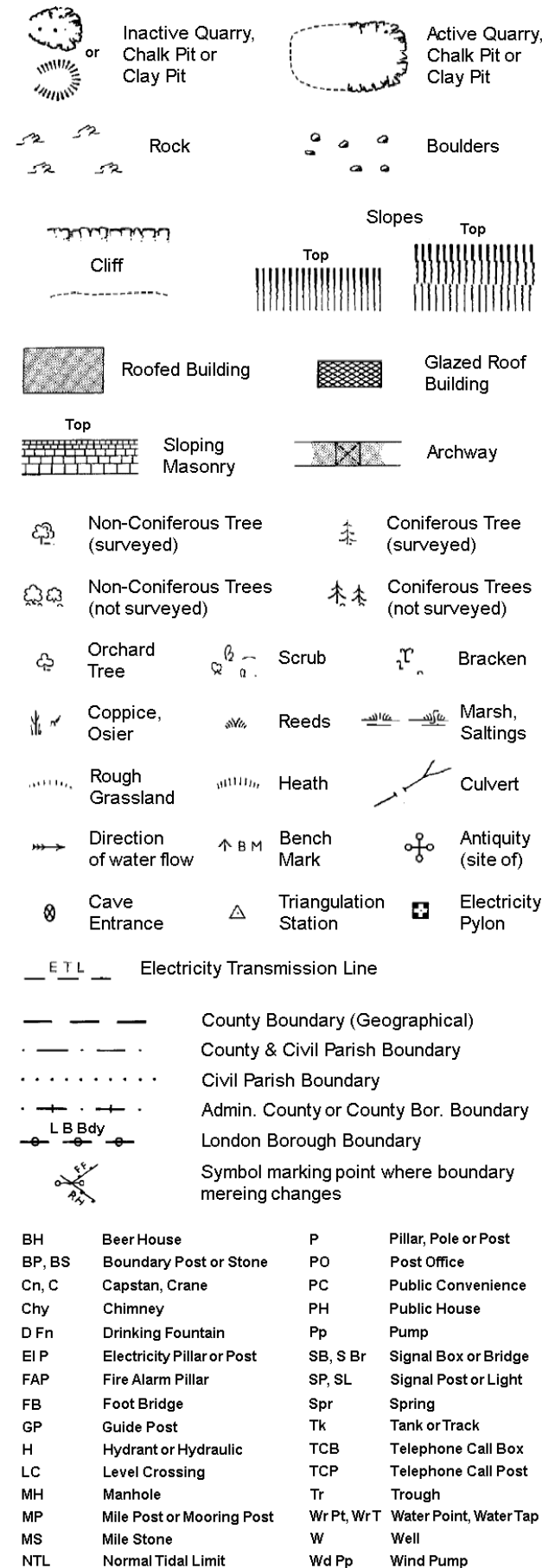
APPENDIX B: Historical Maps

Historical Mapping Legends

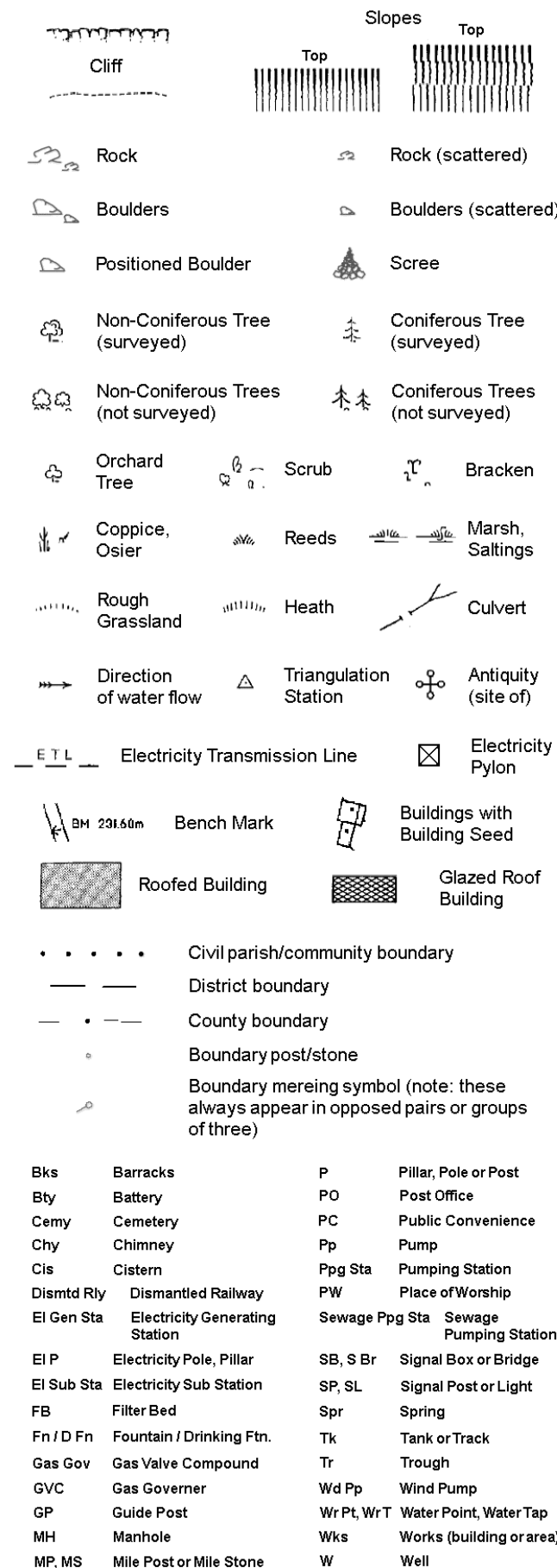
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



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

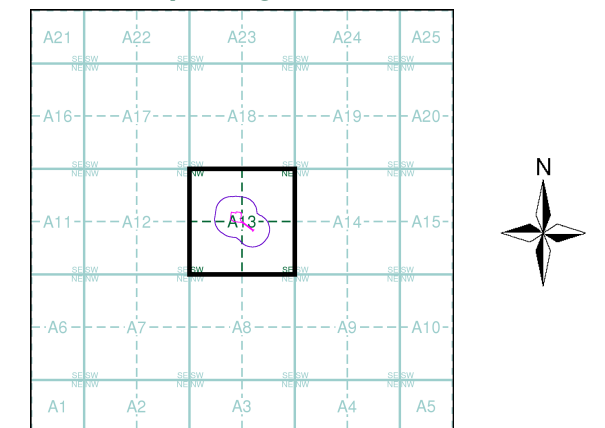


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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Hertfordshire	1:2,500	1881	2
Hertfordshire	1:2,500	1898	3
Hertfordshire	1:2,500	1923 - 1924	4
Ordnance Survey Plan	1:2,500	1972	5
Additional SIMs	1:2,500	1991	6
Large-Scale National Grid Data	1:2,500	1993	7
Large-Scale National Grid Data	1:2,500	1993	8
Historical Aerial Photography	1:2,500	2000	9

Historical Map - Segment A13



Order Details

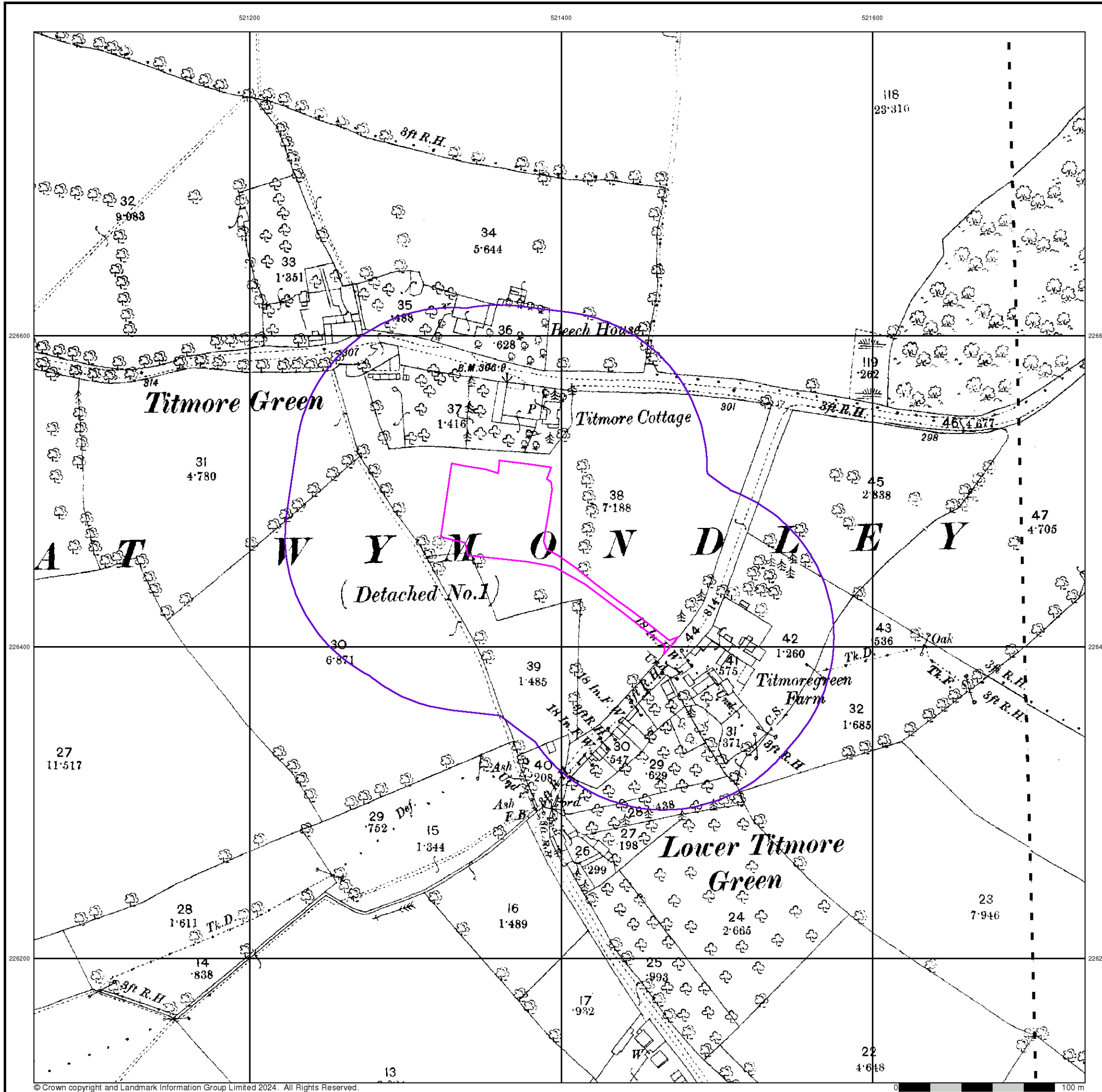
Order Number: 334873697_1_1
Customer Ref: 4948
National Grid Reference: 521400, 226460
Slice: A
Site Area (Ha): 0.44
Search Buffer (m): 100

Site Details

Titmore Green Farm, Titmore Green, Little Wymondley,
HITCHIN, SG4 7JT

Landmark
INFORMATION GROUP

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



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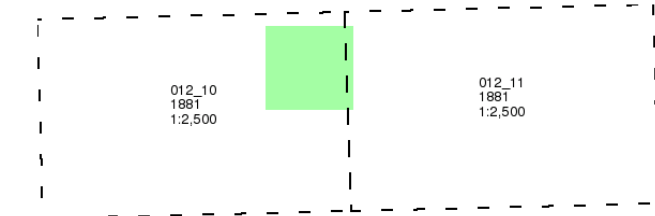
Hertfordshire

Published 1881

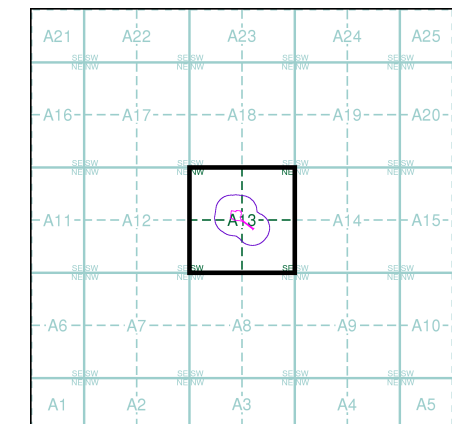
Source map scale - 1:2,500

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

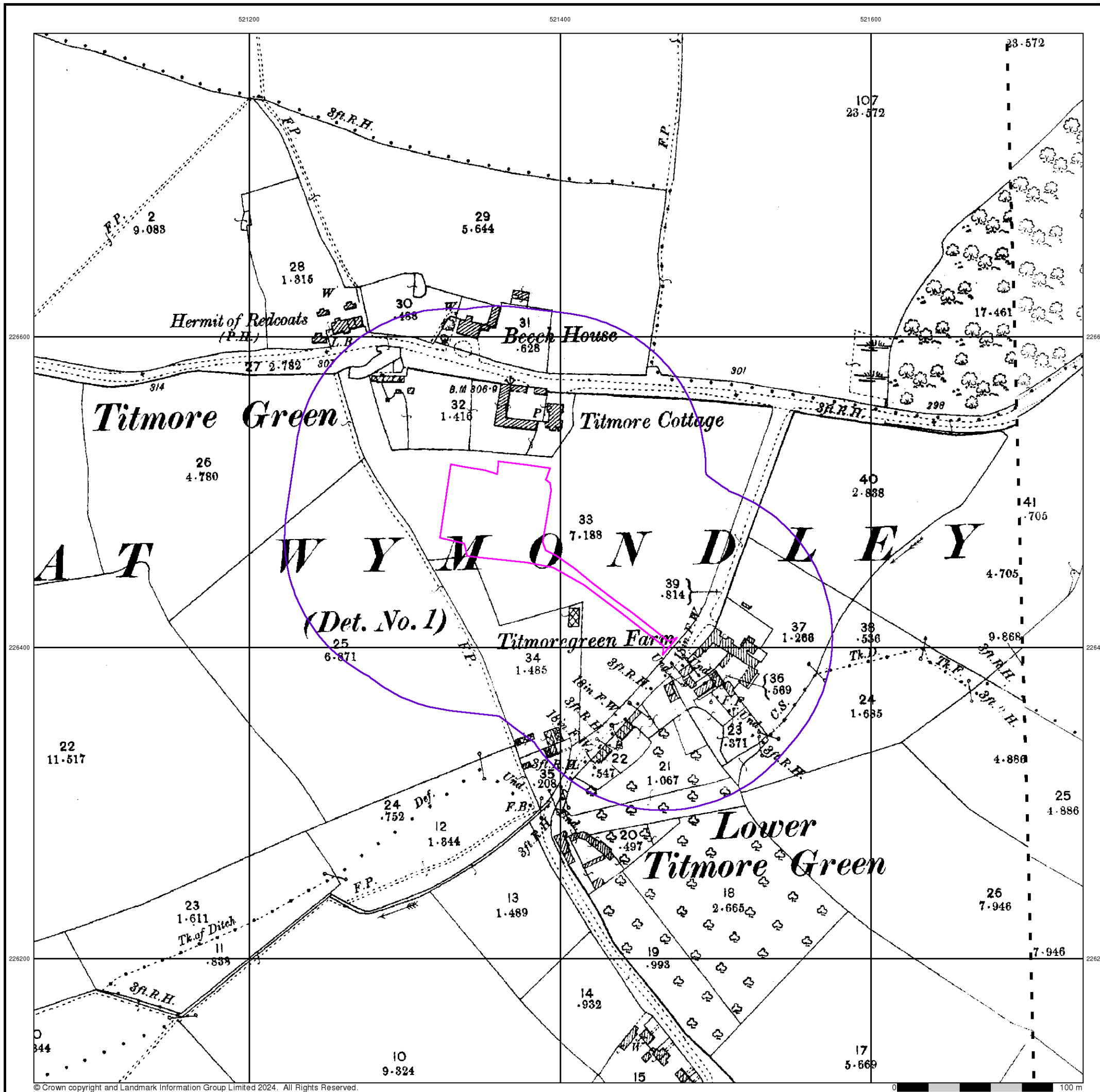
Order Number: 334873697_1_1
Customer Ref: 4948
National Grid Reference: 521400, 226460
Slice: A
Site Area (Ha): 0.44
Search Buffer (m): 100

Site Details

Titmore Green Farm, Titmore Green, Little Wymondley,
HITCHIN, SG4 7JT

Landmark
INFORMATION GROUP

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



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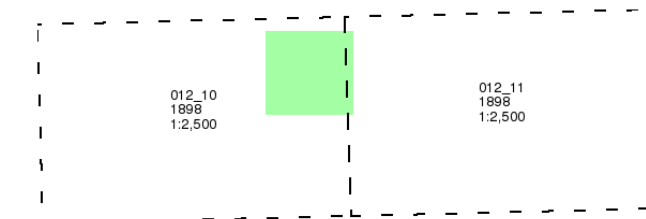
Hertfordshire

Published 1898

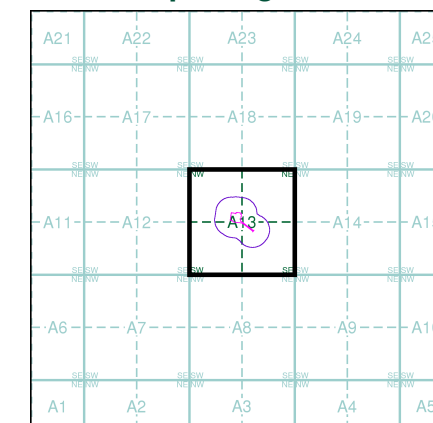
Source map scale - 1:2,500

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

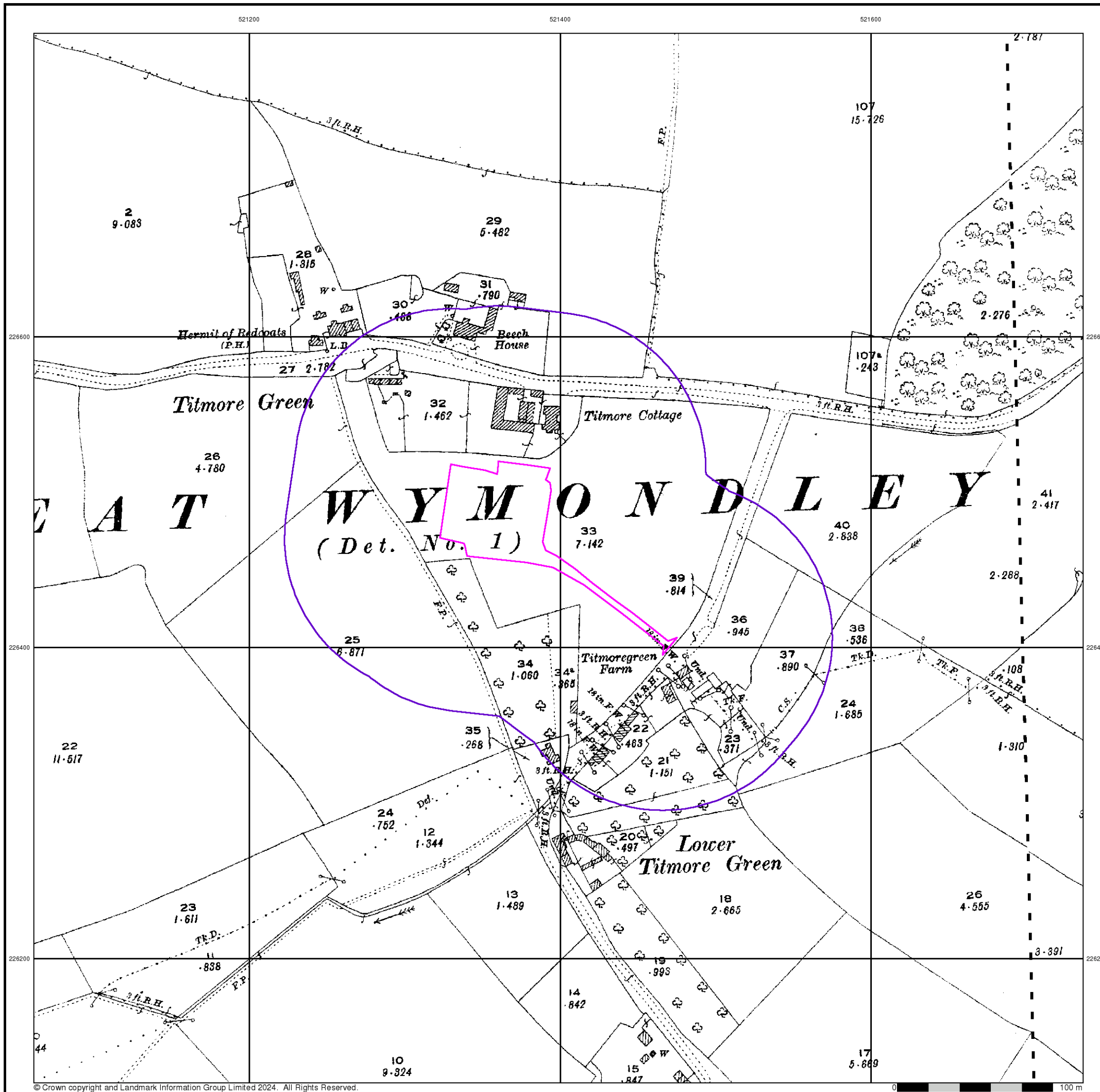
Order Number: 334873697_1_1
Customer Ref: 4948
National Grid Reference: 521400, 226460
Slice: A
Site Area (Ha): 0.44
Search Buffer (m): 100

Site Details

Titmore Green Farm, Titmore Green, Little Wymondley,
HITCHIN, SG4 7JT

Landmark
INFORMATION GROUP

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



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CONSULTING

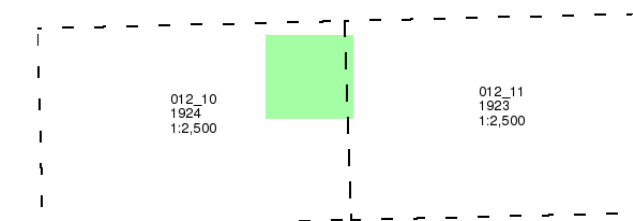
Hertfordshire

Published 1923 - 1924

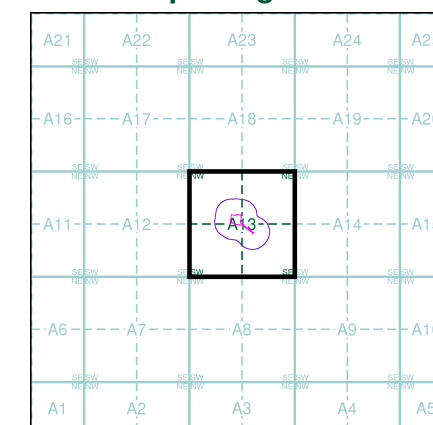
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

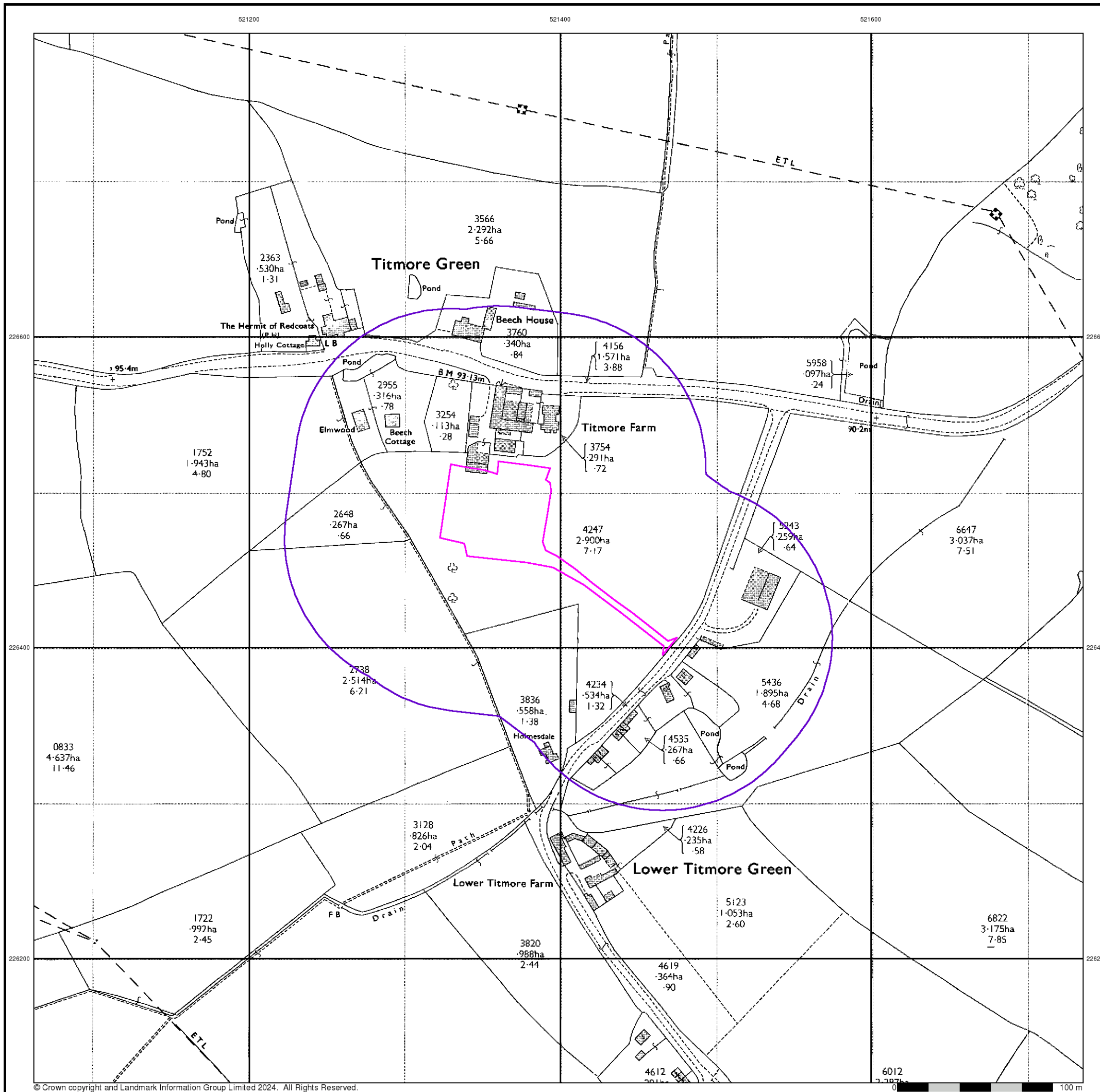
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Customer Ref: 4948
National Grid Reference: 521400, 226460
Slice: A
Site Area (Ha): 0.44
Search Buffer (m): 100

Site Details

Titmore Green Farm, Titmore Green, Little Wymondley,
HITCHIN, SG4 7JT

Landmark
INFORMATION GROUP

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



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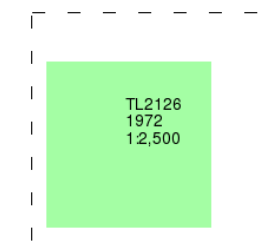
Ordnance Survey Plan

Published 1972

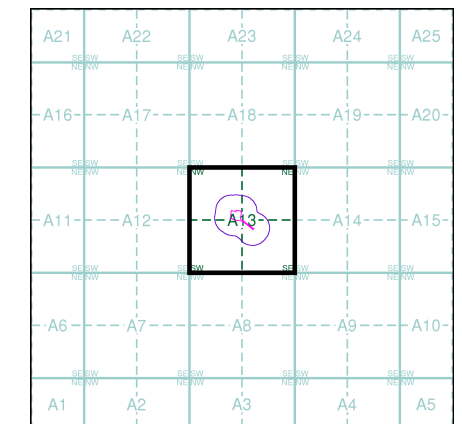
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

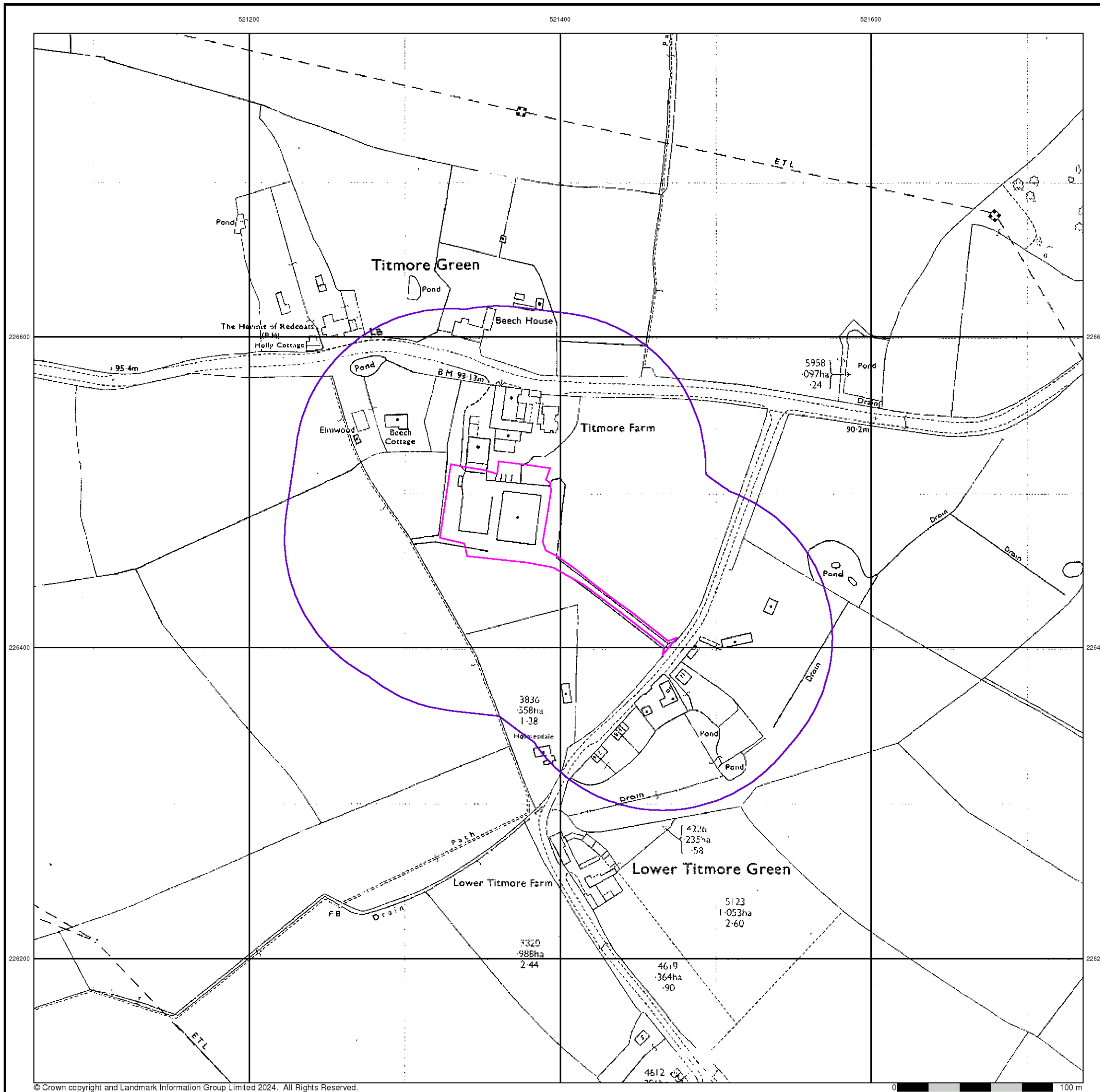
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Customer Ref: 4948
National Grid Reference: 521400, 226460
Slice: A
Site Area (Ha): 0.44
Search Buffer (m): 100

Site Details

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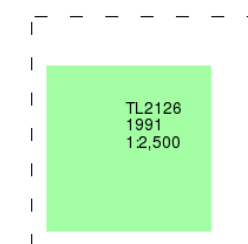
Additional SIMs

Published 1991

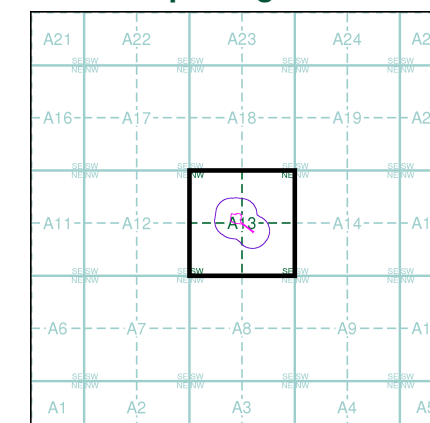
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

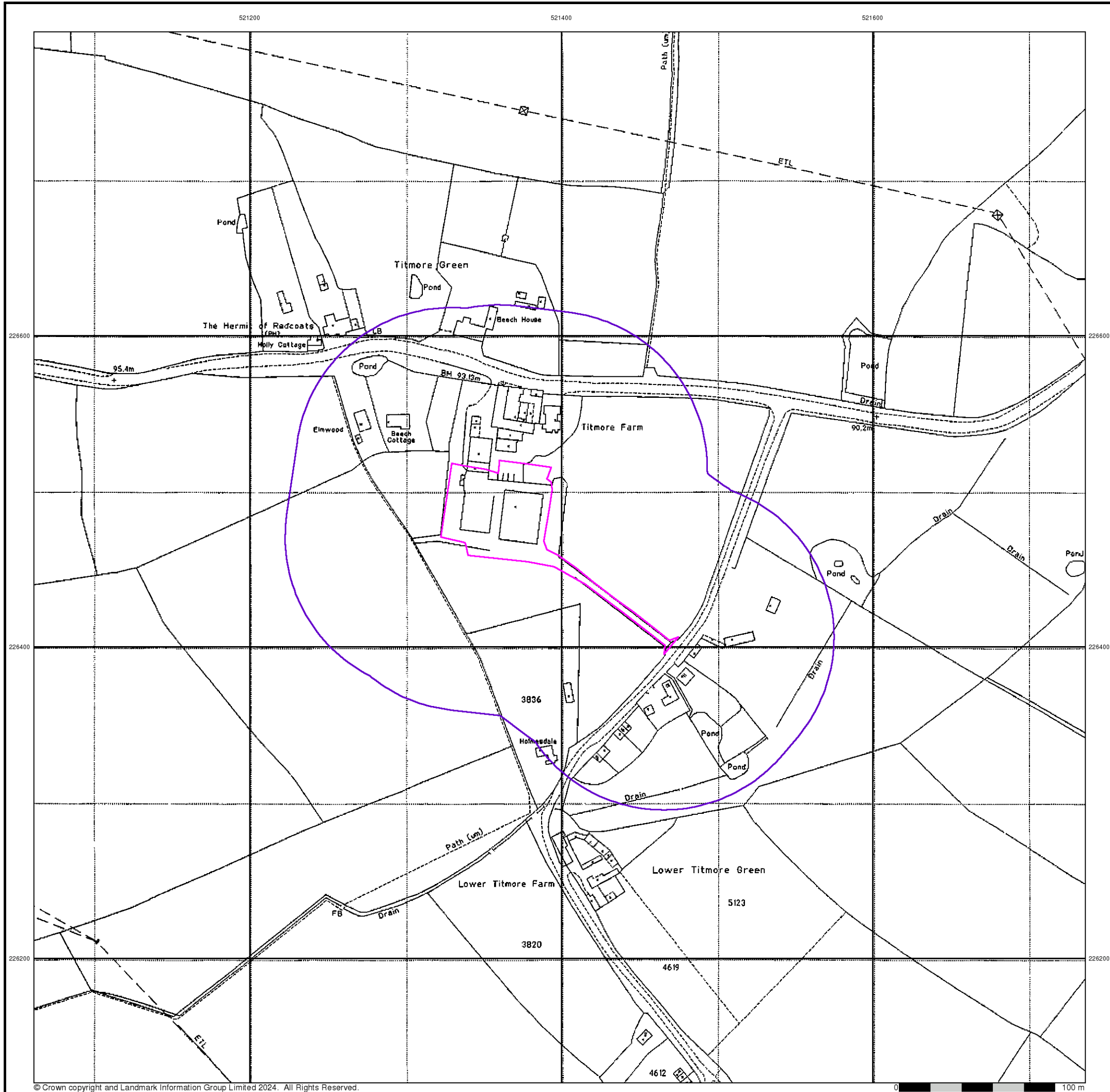
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Customer Ref: 4948
National Grid Reference: 521400, 226460
Slice: A
Site Area (Ha): 0.44
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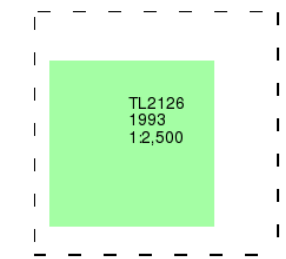
Large-Scale National Grid Data

Published 1993

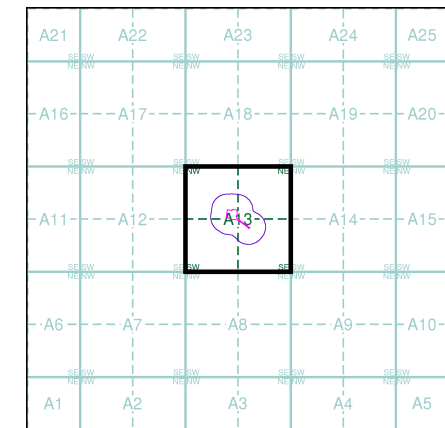
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

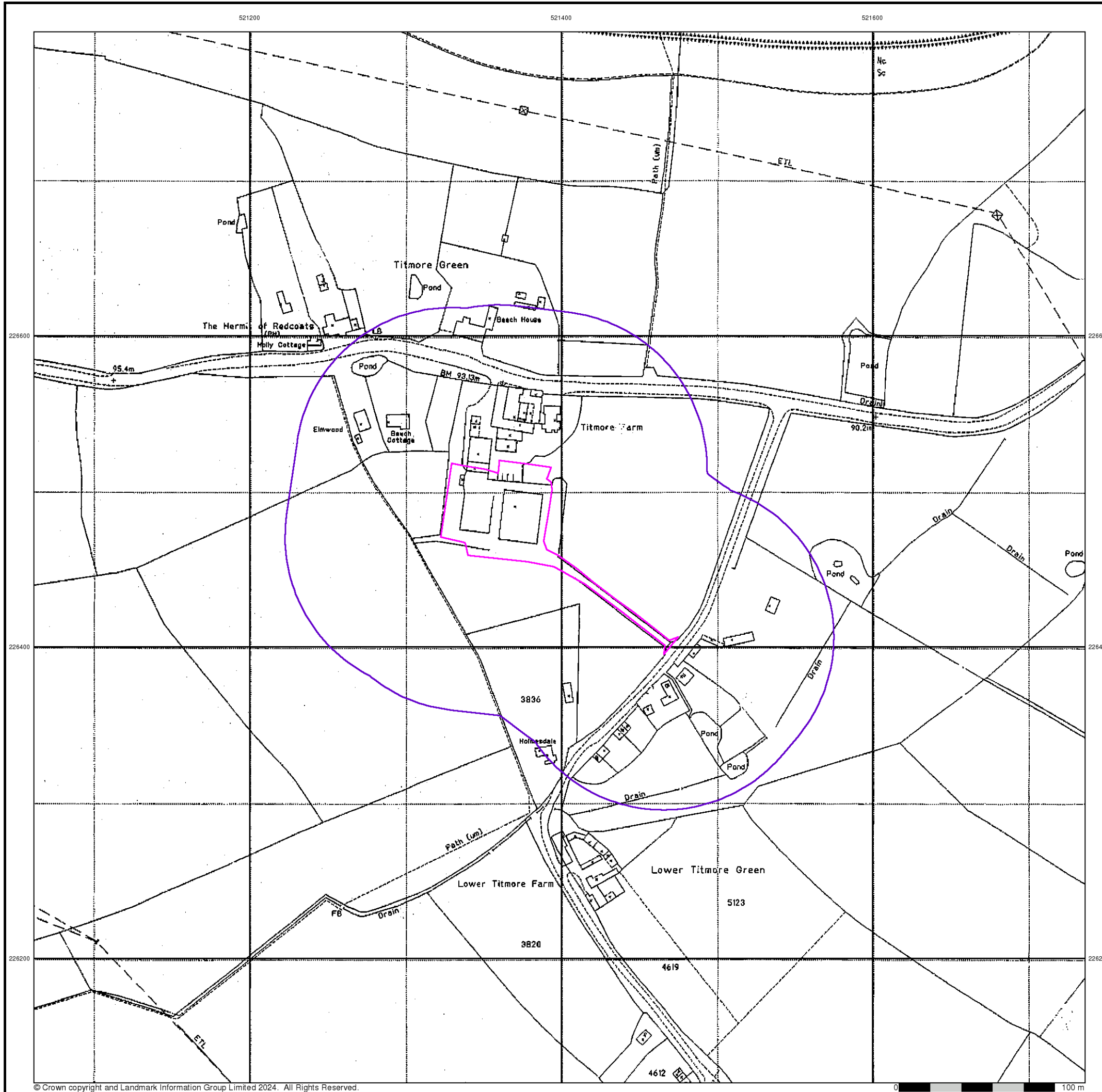
Order Number: 334873697_1_1
Customer Ref: 4948
National Grid Reference: 521400, 226460
Slice: A
Site Area (Ha): 0.44
Search Buffer (m): 100

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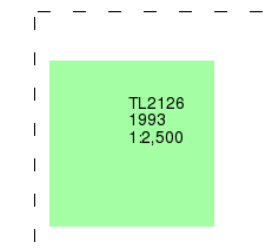
Large-Scale National Grid Data

Published 1993

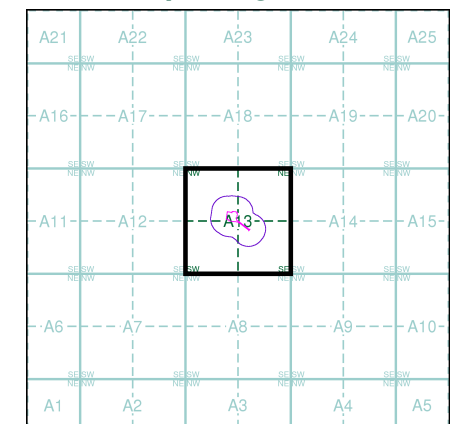
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 334873697_1_1
Customer Ref: 4948
National Grid Reference: 521400, 226460
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226600

226400

226200

226600

226400

226200

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0 100 m



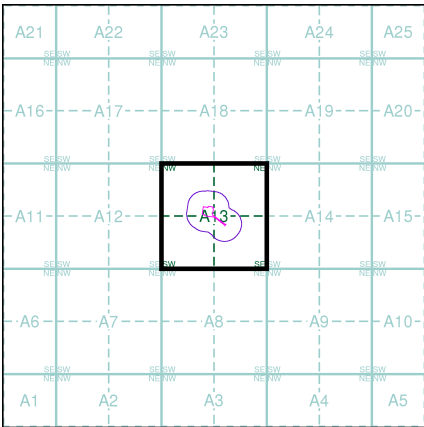
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Historical Aerial Photography

Published 2000

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

Historical Aerial Photography - Segment A13



Order Details

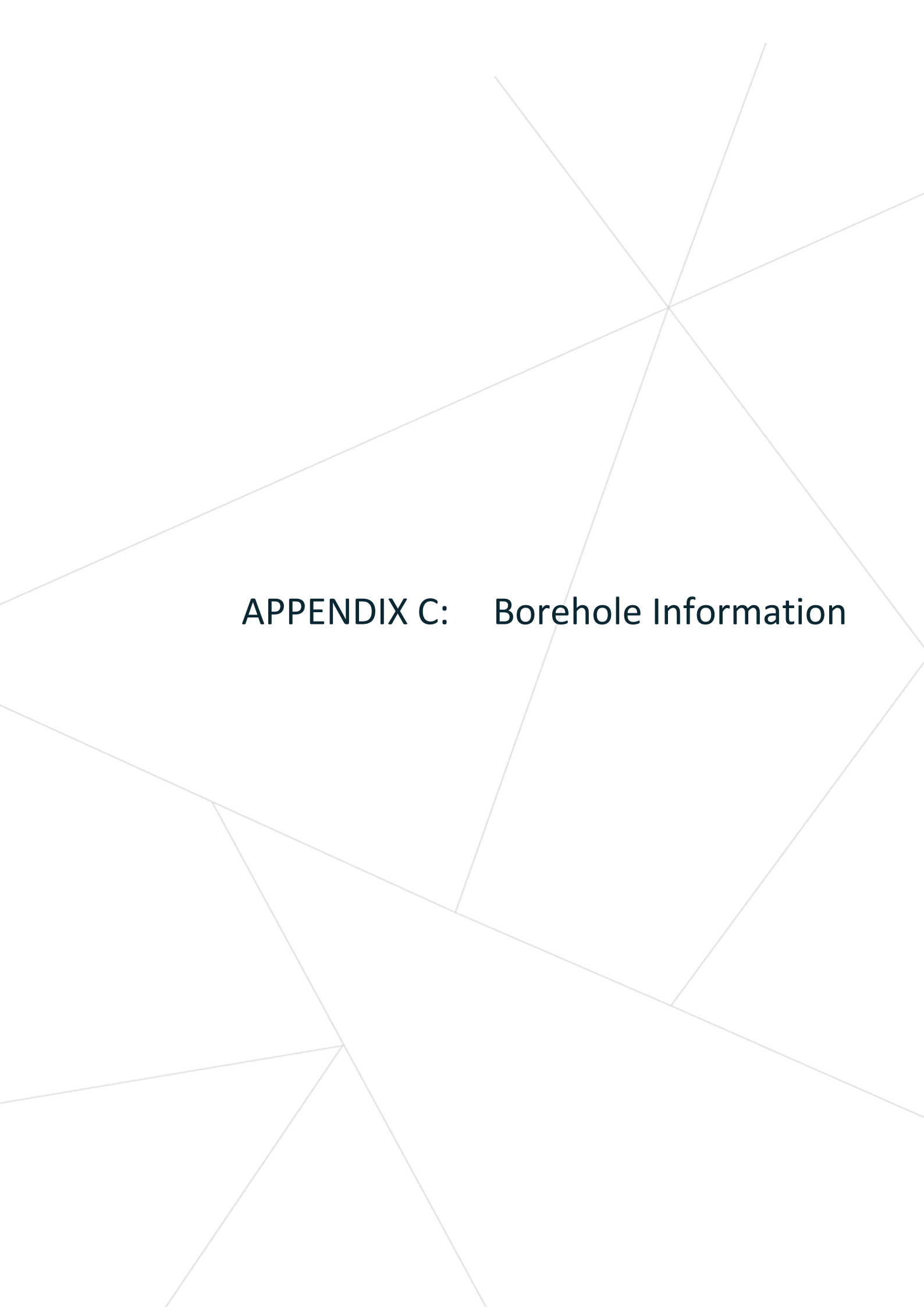
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Customer Ref: 4948
National Grid Reference: 521400, 226460
Slice: A
Site Area (Ha): 0.44
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APPENDIX C: Borehole Information

221/128 Beech House, Titmore Green, Great Wymondley, Wymondley

TL22NW 43

(a) Site not determined. Surface +c.305. Lining tubes: 50 x 4 in. Hardness: total 214. EH, 1927.

(b) (Sealed). Surface 1305. Shaft 85. Before 1939.

C. 92

(a) Pleist. Drift ... 42 42
Mck ... 78 120

GEOLOGICAL CLASSIFICATION

NATURE OF STRATA

THICKNESS ft.

DEPTH ft.

Pleist Drift 42'	{	Soil	1	1	
		Gravel	6	7	2 10
		Yellow clay	35	42	12 79
		Chalk with layer of grey stones	78	120	37

Mck. 78'

By L.P. Hercules March '68.

B Estimated classification

2132.2661

Pleist Drift } 85'
Mck

By M.J. Langston 6/11.

2nd 8-1927

HERTS 12 5/16

221/128

mgc 5/14/63

Visited. Unable to obtain any information. No trace of well at site marked & nothing was known of the site for previous existence of well (a).
12/11/64 BH.

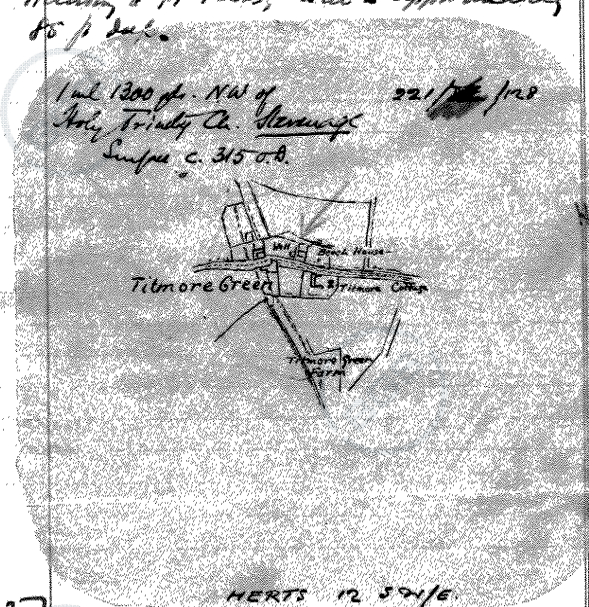
GEOLOGICAL SURVEY AND MUSEUM,
JERMYN STREET, LONDON S.W. 1.

(B10619). Wt. 16824-S123. 2500. 11/25. Gp. 160. O.A.

WELL BORING at *Litmore Green* County *Herts* **TL22/62**
 Geol. map 1 in. map New Series 221 6 in. map *Herts* **A.B**
 Made by *C. J. Bell & Sons, Luton* Date *1927* **SW/E**
 Sunk feet. Bored *120* feet. **259**
 Communicated by *C. J. Bell & Sons, Luton*
 Height above Ordnance Datum Rest level of water
 Yield *Ample for the village*
 Quality (with copy of analysis on separate sheet) Degree of hardness *15. Quality good*

GEOLOGICAL FORMATION.	NATURE OF STRATA.	THICKNESS.		DEPTH.	
		Feet.	Inches.	Feet.	Inches.
<i>Pleist. drift Sand</i>	<i>Soil</i>	<i>1</i>	<i>—</i>	<i>1</i>	<i>—</i>
<i>42</i>	<i>Gravel</i>	<i>6</i>	<i>—</i>	<i>4</i>	<i>—</i>
<i>Mck</i>	<i>Yellow Clay</i>	<i>35</i>	<i>—</i>	<i>42</i>	<i>—</i>
<i>78</i>	<i>Chalk with layer of green stone, very hard.</i>	<i>78</i>	<i>—</i>	<i>120</i>	<i>—</i>
<i>11/2 July 1966</i> <i>L.P. 18/1/68.</i> <i>Diam. of bore 4"</i> <i>Lined to depth of 50 feet.</i> <i>Beech House.</i> <i>Site</i> <i>About centre of village, which is 1 mile south of Wymondsley.</i> <i>Private well, not public property.</i> <i>See letter from L. Gordon Tubbs, Beech House, Hemming to Mr. Tubbs, well is approximately 80 ft deep.</i> <i>Drawn (1933)</i> <i>Rebore to 100 ft.</i> <i>(File 90/19/221)</i> <i>Visited "Beech House."</i> <i>No one at home; no trace of well - presumably beneath lawn or gravel; sited on</i> <i>Herts 12 SW/E</i> <i>OD + 305.</i> <i>AS. 27/9/60.</i> <i>The well sited by Mr. Tubbs is unlikely to be this one since it is shown on our old 6" map. May be 22/82 but no proof. ∴ have registered it as 22/118 b. m/c 5/11/63</i> <i>Visited. Unable to obtain any information regarding wells or lines at Beech House. No trace of well at site marked & nothing was known of the site for previous existence of line (a).</i> <i>12/11/64 BH.</i>					

B
Pleist. drift
Mck
85/1
m/c 4/71



Notified
M. of H
2nd 8-1927



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