LAND AT GREEN OAK FARM
STONHAM ROAD, MICKFIELD

PHASE 1 GEO-ENVIRONMENTAL DESK STUDY
AND PRELIMINARY RISK ASSESSMENT

November 2022
Report No. P0320/R01 Issue 1

Prepared for:

Mrs S Keep

Prepared by:

Sue Slaven

DOCUMENT INFORMATION AND CONTROL SHEET

Report No.	Title	
P0320/R01	**Land at Green Oak Farm, Stonham Road, Mickfield** **Phase 1 Geo-environmental Desk Study and Preliminary Risk Assessment**	
Prepared for:	Mrs S Keep c/o Tim Moll Architecture Studio 10, 9 Station Yard Needham Market Suffolk IP6 8AS	Tel: 07818 087280 Contact: Tim Moll E-mail: tim@timmoll.com
Prepared by:	Sue Slaven 33 Windmill Close Great Cornard Suffolk CO10 0FL	Tel: 07403 606234 E-mail: sue.slaven@btinternet.com

Issue History

Issue	Status	Date	Report Author	Signature
1	Final	22 November 2022	Sue Slaven MIEnvSc CEnv SiLC	

DISCLAIMER
This report should be read with the Service Constraints, Report Limitations & Planning Requirements set out in Appendix A.

EXECUTIVE SUMMARY

Item	Description
Client	Mrs S Keep
The Site	Land at Green Oak Farm, Stonham Road, Mickfield
Report Objectives	This report presents the findings of a desk-based study and site walkover survey with regards to potential ground contamination from historical and/or current uses of the site and surrounding area. A preliminary risk assessment has been carried out relating to ground conditions in respect of the proposed redevelopment of the site to a residential land use.
Land Use History	The site was occupied by farm buildings in the western sector, until some time in the period between 1957 and 1976, when all buildings, except the barn, were demolished.
Development Proposals	It is proposed to redevelop the site to a residential land use, comprising the conversion and extension of the barn.
Geo-environmental Setting	**Topography:** The site was relatively level and the surrounding area was gently undulating. **Geology:** The superficial deposits underlying the site comprise the Lowestoft Formation (chalky till). The bedrock geology consists of the Crag Group (sands and gravels). **Hydrogeology:** The superficial deposits are classified as a Secondary aquifer and the Crag Group as a Principal aquifer. The site lies within groundwater Source Protection Zone 3 – Total Catchment and the nearest groundwater abstraction licence is held at Hemingstone Fruit Farm, 1.7km to the south-east, for spray irrigation. **Hydrology:** The nearest surface water feature to the site is the pond immediately to the west. There was a drainage ditch on the southern site boundary, however, it was dry at the time of the walkover survey.
Phase 1 Preliminary Risk Assessment	Based on the history and walkover survey of the site and immediate vicinity, no significant sources of contamination have been identified. Thus, as there are no sources, no pathways can be established and receptors will remain unaffected.
Recommendations	No intrusive investigation is considered necessary at this time. It is recommended that a watching brief for visual and olfactory signs of contamination is kept during groundworks. If identified, work should stop and a risk assessment be carried out.
This summary forms part of the Phase 1 Geo-environmental Desk Study and Preliminary Risk Assessment report prepared by Sue Slaven and presents an overview of the key findings and conclusions. This summary should not be treated as an independent document and should be read as part of the complete report.	

Land at Green Oak Farm, Stonham Road, Mickfield
Phase 1 Geo-environmental Desk Study and Preliminary Risk Assessment

CONTENTS

FIGURES

APPENDICES

Land at Green Oak Farm, Stonham Road, Mickfield
Phase 1 Geo-environmental Desk Study and Preliminary Risk Assessment

1. INTRODUCTION

1.1 Background Information

1.1.1 Sue Slaven was commissioned by Mrs S Keep to carry out a preliminary investigation (also recognised as a Phase 1 Geo-environmental Desk Study) for the site known as Land at Green Oak Farm, Stonham Road, Mickfield ("the site"). The purpose of the report is to provide information for the site with regards to the potential for ground contamination to be present. This is achieved using published information and by carrying out a walkover survey in relation to the proposed redevelopment of the site to a residential land use. It is understood that the report is required in support of a planning application submitted to Babergh and Mid Suffolk District Councils.

1.1.2 The Desk Study comprises the first stage (i.e. Phase 1) of a geo-environmental assessment of a given site. The aim of the Desk Study is to identify potentially contaminative activities that may have occurred on-site and/or in the surrounding area and whether these pose a significant risk to identified receptors. For a significant risk to exist, three elements must be present in order to create a potential pollutant linkage (PPL), as follows:

- Source / Contaminant: activity / hazardous substance that has the potential to cause adverse impact.
- Receptor: target that may be affected by contamination, e.g. humans, property, land, controlled waters, flora and fauna.
- Pathway: a viable route whereby a hazardous substance may come into contact with the receptor.

1.2 Objectives of the Investigation

1.2.1 The objectives of this geo-environmental assessment are:

- To carry out a review of the geo-environmental setting of the site and surrounding area and assess the likelihood of the presence of ground contamination.
- Prepare a preliminary risk assessment that assesses the presence of PPLs and whether further action is required.
- Produce a report for use by the Client.

1.2.2 In order to achieve these objectives, the following scope of works is proposed:

- A desk-based review of available information to include the history of the site and surrounding area.
- An interpretation of available geo-environmental data.
- Review any previous ground investigations reports prepared for the site.

- A walkover survey of the site and its environs.
- Develop a preliminary conceptual site model detailing all PPLs.
- Provide recommendations for a Phase 2 Ground Investigation, if required, based on the findings, to ensure that the site is suitable for use and/or proposed use.

1.2.3 The findings and conclusions of the risk assessment and recommendations have assumed that the site is to be redeveloped to a residential land use. However, if there is a subsequent change in land use, the risk assessments and conclusions presented in this report should be reviewed to determine whether they remain applicable.

1.2.4 This report has been devised to generally comply with the relevant principles and requirements of a range of guidance with regards to potentially contaminated land. These include:

- Babergh and Mid Suffolk District Councils. Contaminated Land Advice Note 1 – Guidance notes for developments on land which is potentially contaminated or where the proposed end use is sensitive. Version 15/11.
- Babergh and Mid Suffolk District Councils. Contaminated Land Advice Note 2 – Technical Guidance for investigating, assessing and remediating land contamination. Version 15/11.
- BS 10175. Investigation of potentially contaminated sites - Code of practice.
- BS 5930. Code of practice for ground investigations.
- Defra. Contaminated Land (England) (Amendment) Regulations 2012 and Contaminated Land Statutory Guidance.
- Environment Agency. Land Contamination: Risk Management. October 2020.
- Environment Agency. Report GPLC1 - Guiding Principles for Land Contamination.
- Environment Agency. The Environment Agency's approach to groundwater protection.
- HCA. National Planning Policy Framework.
- Part IIA of the Environmental Protection Act, 1990.

1.3 Report Limitations and Constraints

1.3.1 Sue Slaven's service constraints and report limitations are presented in Appendix A and a description of the environmental risk assessment methodology and terminology is presented in Appendix B. In preparation of this report, it is assumed that any information provided to Sue Slaven by the client or its representatives in connection with the commission is accurate, complete and not misleading. However, the accuracy or validity of this information cannot be guaranteed. This also consists of publicly available information including that which may be present on the Internet.

1.3.2 This report does not include specific investigation / identification for the presence of potential Asbestos Containing Materials (ACMs), Japanese Knotweed or defects within any structures that may be present on-site. However, it may be noted that these could be present on-site, as detailed within this report and specialist contractors should then be commissioned to make assessments of these aspects, if required.

1.3.3 It should be noted that no consultations have been made with the Local Authority or the Environment Agency by Sue Slaven at the time of writing this report.

1.4 Development Proposals

1.4.1 It is understood that the barn on-site is to be converted and extended to form one residential dwelling, together with the erection of two garages and the creation of vehicular access, which is to involve the demolition of the existing outbuildings. An indicative site layout plan is provided as Figure 1.

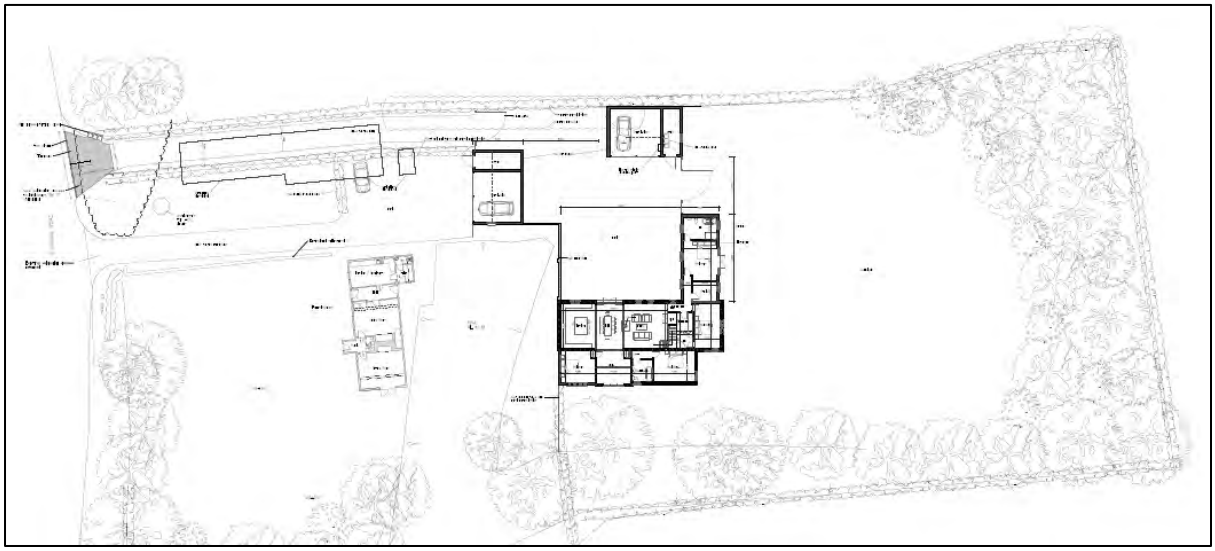


Figure 1 Proposed Site Layout Plan (not to scale)

2. SITE LOCATION AND DESCRIPTION

2.1 Site Location

2.1.1 The site location is indicated on Figure 2 and a brief description of the site is presented in Table 1.

Table 1 Summary of the Site and its Environs

Site Address	Green Oak Farm, Stonham Road, Mickfield, IP14 5LS.
Location	The site is situated within a predominantly agricultural area, approximately 475m to the south of the village of Mickfield and 1.93km to the north of Stonham Aspal. The nearest town is Stowmarket, 7.5km to the south-west.
Grid Reference	613610, 261290
Site Area	0.38ha approximately

Figure 2 Site Location (not to scale)

2.2 Site Description

2.2.1 A site visit was undertaken on 16 November 2022 by Sue Slaven. The site was accessed from the asphalt driveway of Greenoak Farmhouse, which is situated to the west of the site. Access to the site will be located to the north of the existing driveway, which was occupied by two adjoining brick buildings with concrete and asphalt to the front / south. To the rear / north of the outbuildings was vegetation and a relatively steep bank to a former pond. To the side / east of the outbuildings was a "short" shipping container, a domestic heating oil tank on a base of concrete and piles of logs. The driveway then lead to the site.

2.2.2 There were a set of four inspection covers and possibly venting pipes in the north-eastern corner of the site, indicating possible underground sewage treatment tanks. The site was predominantly covered in grass that was kept short by regular mowing. Trees and bushes formed the northern, eastern and southern boundaries. A young woodland was situated in the eastern sector of the site. A ditch was located alongside the southern boundary, which was dry at the time of the walkover survey.

2.2.3 In the south-western sector of the site was a large timber-framed barn (which is to be converted to a residential use). The barn was set on a brick plinth with a corrugated metal roof. Two smaller lean-tos were attached to the southern elevation of the barn, one of which had roof tiles and the other, corrugated metal sheeting roof and were in use for storage of

logs. The floor within the barn was partly concrete and partly bare ground and the barn was in use for the storage of garden machinery, bales of hay, rolls of barbed wire etc. A trailer with an old car on top was parked at the entrance.

2.2.4 A large pond was situated between the barn to east and Green Oak Farmhouse to the west. To the north, east and south of the site was agricultural land, with farmland also to the west, on the opposite side of Stonham Road.

2.2.5 There were no visual or olfactory signs of contamination either on-site, including within the barn, or in the surrounding area. A selection of photographs is included within Appendix C.

3. HISTORY OF THE SITE AND IMMEDIATE VICINITY

3.1 General

3.1.1 A summary of the historical development of the site and immediate vicinity is presented below, which has been based on historical Ordnance Survey (OS) maps obtained from Envirocheck®, a selection of which are included in Appendix D. The age and general activity/land use can often be defined from the layout of structures depicted on historical OS maps, however, specific elements of site operations may not be determined from these maps. Only off-site features present within a radius of 250m of the site are considered relevant.

3.2 Historical Maps

1885 (1:2,500)

3.2.1 Farm buildings, of various shapes and sizes, occupied the western sector of the site, with other buildings along the proposed access road to the west. A small field was located on the eastern side of the buildings in the south-western sector. There were also tracks leading to the farm buildings from the north and north-east. The surrounding area was in agricultural use. A pond was located immediately to the west of the site, with a house and garden beyond. Another two ponds were situated adjacent to the northern site boundary and a road was to the west of the proposed access road. The Rectory was located 195m to the north-west of the site and residential properties were 190m to the south.

1904 (1:2,500)

3.2.2 An orchard was situated to the south-west of the site and a Mission Hall 170m to the south.

1957 (1:10,560)

3.2.3 The site and surrounding area remained unchanged, although the Mission Hall had been relabelled as Gospel Hall.

1976 (1:2,500)

3.2.4 Within the western sector of the site, all buildings, except the barn, had been demolished, including the buildings along the proposed access road, which had been replaced with other buildings, as present day. A drain was located on the southern boundary and residential properties were 150m to the north of the site.

1985 (1:10,000) / 1995 (1:2,500) / 2000 (1:10,000)

3.2.5 The site and surrounding area remained unchanged.

3.3 Planning History

3.3.1 A review of Babergh and Mid Suffolk District Councils' planning website was carried out with regards to planning applications relating to the site and surrounding area, using "IP14 5LS" as the search term. There were 13 records dating back to October 1988: eight of which related to extensions and/or amendments to existing properties, one record was for a joinery workshop and two for new dwellings. Two records related to the development of the site (Ref: DC/22/05201 and DC/22/05202), for which decisions are awaited.

3.4 Previous Investigations

3.4.1 It is understood that the site has not been subject to previous ground investigation.

4. ENVIRONMENTAL SETTING

4.1 General

4.1.1 A summary of the environmental background information (geology, hydrology, hydrogeology and sites of ecological interest) is presented below. The information has been obtained from that which is publicly available and an Envirocheck® report, which is included as Appendix E of this report. This information, together with the other information included within this report, represent the base data used to formulate the conceptual site model.

4.2 Geology

4.2.1 The geological appraisal has been compiled using the following references:

- BGS Website – 21 November 2022 ((https://www.bgs.ac.uk/map-viewers/bgs-geology-viewer/)
- UK Radon – 21 November 2022 (https://www.ukradon.org/radonmaps/)
- Envirocheck Report

4.2.2 The records indicate that superficial deposits underlying the site comprise the Lowestoft Formation, which forms an extensive sheet of chalky till, together with outwash sands and

gravels, silts and clays. The till is characterised by its chalk and flint content. The bedrock geology is the Crag Group, which consists of sands, gravels, silts and clays. The sands are characteristically dark green, although they weather to bright orange. There was one record of a borehole drilled in 1920 at Red House Farm, 395m to the south of the site. Ground conditions were described as Boulder Clay to a depth of 27m, underlain by sand and gravel to a depth of 65.5m, which was then underlain by Chalk to the depth of the borehole at 94.5m.

4.2.3 The site is not situated in an area where radon protective measures are necessary in the construction of new buildings.

4.3 Hydrogeology

4.3.1 The hydrogeological appraisal has been compiled using the following references:

- Envirocheck Report
- MAGIC Website – 21 November 2022 (http://www.magic.gov.uk/MagicMap.aspx)

4.3.2 The superficial deposits is classified as a Secondary aquifer and the Crag Group as a Principal aquifer. The site is located within groundwater Source Protection Zone 3 – Total Catchment, and the nearest licence to abstract groundwater is at Hemingstone Fruit Farm, located 1.7km to the south-east, for spray irrigation.

4.4 Hydrology

4.4.1 The hydrological appraisal has been compiled using the following references:

- Envirocheck Report
- Historical Maps
- https://flood-map-for-planning.service.gov.uk/

4.4.2 The nearest surface watercourse is a drain on the southern site boundary, however, this was dry at the time of the walkover survey. There was a large pond located immediately to the west of the site. The site is located within Flood Zone 1, which has a low probability of flooding. There was one record of a discharge consent within a 250m radius of the site, which is held at The Old Rectory, 240m to the north-west, for final/treated sewage effluent into a tributary of the River Gipping.

4.5 Ecology / Archaeology

4.5.1 The ecological and archaeological appraisals have been compiled using the following references:

- Envirocheck Report
- MAGIC Website – 21 November 2022 (http://www.magic.gov.uk/MagicMap.aspx)

4.5.2 There are no statutory sites of ecological significance (e.g. Ramsar, Special Protection Area, a Site of Special Scientific Interest, Special Area of Conservation) within a radius of 250m of the site. There are also no archaeological features within 250m. Greenoak Farmhouse, located to the west of the site, is a Grade 2 listed building.

5. POTENTIALLY CONTAMINATIVE USES OF THE SITE AND ITS ENVIRONS

5.1 General

5.1.1 Reviews of the Envirocheck report, historical maps and the MAGIC website, as above, were carried out with regards of industrial processes within 250m of the site, together with observations made during the walkover survey.

5.2 Waste

5.2.1 There are no records of historical and operational landfill sites or waste treatment and waste management facilities within 250m of the site.

5.3 Statutory Authorisations

5.3.1 There are no records of sites subject to Local Authority Pollution Prevent Control (LAPPC), Control of Major Accident Sites (COMAH) or Explosives Sites within a 250m radius of the site. There were also no records of sites subject to Notification of Installations Handling Hazardous Substances (NIHHS), Registered Radioactive Substances or Hazardous Substances Consent.

5.4 Other Possible Contaminative Uses

Quarrying

5.4.1 There are no records of mineral sites or quarries within 250m of the site.

Fuel Sites

5.4.2 There were no operational or obsolete petrol stations within 250m of the site.

Contemporary Trade Directory

5.4.3 There was one record of an active trade within a 250m radius of the site. This related to pest and vermin control at a location 160m to the north, although is unlikely to impact upon the site given the distance and underlying geology.

Unexploded Ordnance

5.4.4 According to the Zetica Bomb Risk Map for Suffolk, there is a negligible risk of unexploded ordnance in the area.

6. HAZARD ASSESSMENT & PRELIMINARY CONCEPTUAL SITE MODEL

6.1 Background

6.1.1 The hazard identification is based on the assumption that the site is to be redeveloped to a residential use, comprising the conversion and extension of the existing barn. As described in Appendix B, current Government policy involves a 'suitable for use' approach to the control and treatment of contaminated land in which remedial action is only required where:

- the contamination poses unacceptable, actual or potential risk to health or the environment; and
- there are appropriate and cost-effective means available to do so, considering the actual or intended end-use of the site.

6.1.2 If the land is being used only for certain purposes, the number of pathways by which the identified receptors might be exposed to will be limited, so that less extensive and costly remediation measures would be needed to reduce the risk to below a given level than would be the case for all types of actual or potential use. The land would then be 'suitable for use'.

6.1.3 When assessing the potential hazards and liabilities relating to land contamination, the following issues must be addressed:

- Does the site present a threat to the public or occupiers in its current state?
- Will the contaminants present a hazard to site operatives, or the surrounding environment, during redevelopment?
- Will there be a threat to end-users of the site? and
- Is there a potential for future liabilities due to off-site migration of contaminants?

6.2 Potential Sources of Contamination

6.2.1 For the purpose of this assessment, the potential contaminants of concern have been considered according to whether they are likely to have originated from on-site or off-site sources.

Potential On-site Sources of Contamination

6.2.2 The western sector of the site was occupied with farm buildings in 1885 until some time between 1957 and 1976 when only the barn remained. The buildings within the area of the proposed access road had also been replaced with the outbuildings present today. Thus, sources of contamination can be identified as the storage of farm machinery and possibly, chemicals. However, there were no visual or olfactory signs of contamination during the walkover survey with the ground in the north-eastern sector of the site recently excavated for the installation of an underground system, possibly sewage treatment. The barn is to be converted to a residential use, which will involve repair and renovation of the building and excavating the existing floor inside in order to lay a new and level floor structure. Thus, no

significant sources of contamination or pathways have been identified as part of this desk study and walkover survey.

Potential Off-site Sources of Contamination

6.2.3 No potential sources of off-site contamination have been identified as part of this desk study and walkover survey.

6.3 Potential Receptors of Contamination

6.3.1 For any given site, potential receptors can include: current and future site users / occupiers, construction workers, neighbouring land, on-site buildings / hardstanding / underground services, controlled waters (ground and surface), flora and fauna. These receptors incorporate those normally required by the Local Authority to be considered in their planning conditions relating to land contamination.

6.3.2 For this site, however, the receptors are considered to be as follows:

On-site

- Future site occupiers (i.e. construction workers, residents).
- Buildings and underground services.
- Flora and fauna.
- Groundwater (although ground conditions are likely to consist of gravelly clay).

Off-site

- Residents to the west.
- Ponds to the west (and possibly north).
- Agricultural land to the north, south and east.

6.3.3 The preliminary assessment of risks undertaken for the development considers potential risks to receptors identified above. It should be noted that not all possible contaminant linkages may be formed between sources and receptors.

6.4 Identification of Pathways

6.4.1 If contaminants are present in the ground, there are a number of potential pathways that enable human receptors to come into contact or be exposed to them. The most direct pathways, considered under UK legislation, can be summarised as follows:

- Ingestion of outdoor soil, indoor dust, home grown vegetables or of soil attached to home grown vegetables.
- Dermal contact with outdoor soil and/or indoor dust.
- Inhalation of outdoor/indoor dust, outdoor/indoor soil vapour.

6.4.2 In addition to direct exposure pathways principally affecting human health, there are a number of physical transport mechanisms / pathways that may also exist at any given site, including:

- Downward and lateral movement of contaminants in soil either by gravity or through being 'leached' by percolating rainwater to controlled waters.
- Lateral migration of contaminants dissolved in groundwater.
- Volatilisation of contaminants from groundwater or unsaturated soils into buildings or outdoor air.
- Migration of ground gas (carbon dioxide and methane) into buildings or confined spaces.
- Direct seepage / ingress or leaching of contaminants from soil into subsurface drains or water supply pipework.
- Direct contact with buildings and hardstanding.
- Potential phytotoxic effects on sensitive landscaping plants and uptake by fauna.

Human Health

6.4.3 The site is to be redeveloped to a residential use, including a private garden, thus potential pathways are possible such as long-term soil/dust inhalation/ingestion and dermal contact. However, no significant sources of contamination were identified and no pathways could be established. Thus, the presence of ground contamination is considered to be unlikely.

6.4.4 During the redevelopment of any site, contact with contaminants, whether identified or not, by groundworkers will typically be short-term. Potential risks are repeated dermal contact with contaminated ground. Therefore, with respect to site operatives, it would be prudent to exercise good hygiene practices, e.g. the use of gloves, the avoidance of any eating and smoking on-site, and the provision of washing facilities.

Ground Gas

6.4.5 There is the potential for ground gas (carbon dioxide and methane) to enter future permanent buildings if the site is located within 250m of a landfill site or infilled ground and ground conditions allow for the migration of ground gas. However, no significant sources of ground gas have been identified.

Pathways to Controlled Waters

6.4.6 The site is underlain by a Secondary aquifer, which then overlies a Principal aquifer. There were no surface watercourses within the vicinity of the site. Thus, groundwater is considered to be sensitive to the potential presence of ground contamination. However, no sources of on-site contamination have been identified.

Other Pathways

6.4.7 Other potential pathways that are possibly less significant to the site although still require consideration are: potential phytotoxic effects on sensitive landscaping plants; chemical attack on foundations and services and permeation of contaminants through domestic water pipes. However, as there are no sources of on-site contamination, these pathways cannot be established.

6.5 Preliminary Conceptual Site Model and Hazard Assessment

6.5.1 As part of a Preliminary Risk Assessment, a Preliminary Conceptual Site Model (PCSM) is formed, which assists with identifying potential contaminant linkages (source – pathway – receptor) using information obtained during the desk study. The preliminary hazard assessment is a qualitative assessment of the risks posed by each viable pollution link identified, as summarised in Appendix B. However, as no significant sources of contamination have been identified, pathways cannot be established and identified receptors will remain unaffected.

7. CONCLUSIONS AND RECOMMENDATIONS

7.1 Environmental Risk Assessment

7.1.1 A preliminary risk assessment has been carried out based on the contaminant – pathway - receptor model. However, following an assessment of the history of the site and surrounding area, a review of available information and walkover survey, no significant on- or off-site sources of contamination have been identified. Therefore, pathways cannot be established and identified receptors will remain unaffected.

7.2 Recommendations for Further Investigative Works

7.2.1 No intrusive investigation works are considered necessary at this stage.

7.3 Recommendations for Works during Development

7.3.1 It is recommended that any deleterious material encountered during groundworks is removed from site, together with impacted soils beneath, together with that inside the barn. All materials for off-site disposal should be removed to an appropriately licensed waste management facility: disposal being carried out in compliance with S.34 of the EPA, “Duty of Care”.

7.3.2 A watching brief for visual and olfactory signs of contamination is recommended during groundworks. It is recommended that construction workers are made aware of visual and olfactory signs of contamination through training such as Toolbox Talks. If suspected contaminated soils, such as asbestos, significant ashy soils (e.g. as a result of fires), unusual,

brightly coloured or significantly oily or odorous material are encountered, the following procedures are to be adhered to:

1. All site works at the position of the suspected contamination will stop.
2. A suitably trained geo-environmental engineer should assess the visual and olfactory observations of the ground and the extent of contamination and the Client and the Local Authority should be informed of the discovery.
3. The suspected contaminated material will be investigated and tested appropriately in accordance with assessed risks. The investigation works will be carried out in the presence of a suitably qualified geo-environmental engineer. The investigation works will involve the collection of solid samples for testing and, using visual and olfactory observations of the ground, delineate the area over which contaminated materials are present.
4. The unexpected contaminated material will either be left in situ or be stockpiled (except if suspected to be asbestos) whilst testing is carried out and suitable assessments completed to determine whether the material can be re-used on site or requires disposal as appropriate.
5. The testing suite will be determined by the independent geo-environmental specialist based on visual and olfactory observations.
6. Test results will be compared against current assessment criteria suitable for the future use of the area of the site affected.
7. Where the material is left in situ awaiting results, it will either be reburied or covered with plastic sheeting.
8. Where the potentially contaminated material is to be temporarily stockpiled, it will be placed either on a prepared surface of clay, or on 2000-gauge Visqueen sheeting (or other impermeable surface) and covered to prevent dust and odour emissions.
9. Any areas where unexpected visual or olfactory ground contamination is identified will be surveyed and testing results incorporated into a Verification Report.
10. A photographic record will be made of relevant observations.
11. The results of the investigation and testing of any suspect unexpected contamination will be used to determine the relevant actions. After consultation with the Local Authority, materials should either be:
    - re-used in areas where test results indicate that it meets compliance targets so it can be re-used without treatment; or
    - treatment of material on site to meet compliance targets so it can be re-used; or
    - removal from site to a suitably licensed landfill or permitted treatment facility.
12. A Verification Report will be produced for the work.

7.4 Health & Safety

7.4.1 As outlined within the HSE publication "Successful Health and Safety Management – HSG65", this report can be used to inform the contractor's development of safe systems of work and the information used as an input to the safety management system. The contents of this report may be used to supplement the contents of the Health and Safety File as required under the Construction Design and Management (CDM) Regulations 2015.

APPENDICES

Appendix A

Service Constraints, Report Limitations and Planning Requirements

Service Constraints, Report Limitations and Planning Requirements

This consultancy contract, report and the site investigation (together comprise the "Services") were compiled and carried out by Sue Slaven for the Client as named on the front of this report (the "Client") on the basis of a defined programme and scope of works and the terms of a contract between Sue Slaven and the Client. The Services were performed by Sue Slaven with all reasonable skill and care ordinarily exercised by a reasonable environmental consultant at the time the Services were performed. Further, and in particular, the Services were performed by Sue Slaven taking into account the limits of the scope of works required by the client, the prevailing site conditions, the timescale involved and resources, including financial and manpower resources, agreed between Sue Slaven and the client. Sue Slaven cannot accept responsibility to any parties whatsoever, following the issue of this report, for any matters arising which may be considered outwith the agreed scope of works.

Other than that expressly contained in the above paragraph, Sue Slaven provides no other representation or warranty whether express or implied, in relation to the Services. Unless otherwise agreed, this report has been prepared exclusively for the use and reliance of the client in accordance with generally accepted consulting practices and for the intended purposes, as stated in the agreement under which this work was completed. This report remains the property of Sue Slaven until payment of the relevant invoice has been received in full. This report may not be relied upon, or transferred to, by any other party without the written agreement of Sue Slaven. If a third party relies on this report, it does so wholly at its own and sole risk and Sue Slaven disclaims any liability to such parties.

It is Sue Slaven's understanding that this report is to be used for the purpose described in the introduction to the report. That purpose was a significant factor in determining the scope and level of the Services. Should the purpose for which the report is used, or the proposed use of the site, change, this report may no longer be valid and any further use of, or reliance upon the report in those circumstances by the client without Sue Slaven's review and advice shall be at the client's sole and own risk.

This report remains the property of Sue Slaven until agreed payment has been received in full.

The information contained in this report is protected by disclosure under Part 3 of the Environmental Information Regulations 2004 pursuant to the provisions of Regulation 12(5) without the consent in writing of Sue Slaven.

The report was prepared in the month stated on the front of the report and should be read in light of any subsequent changes in legislation, statutory requirements and industry practices. Ground conditions can also change over time and further investigations or assessment should be made if there is any significant delay in acting on the findings of this report. The passage of time may result in changes in site conditions, regulatory or other legal provisions, technology or economic conditions which could render the report inaccurate or unreliable. The information and conclusions contained in this report should not be relied upon in the future without the written advice of Sue Slaven. In the absence of such written advice, reliance on the report in the future shall be at the client's own and sole risk. Should Sue Slaven be requested to review the report in the future, Sue Slaven shall be entitled to additional payment at the then existing rate or such other terms as may be agreed between Sue Slaven and the client.

The observations and conclusions described in this report are based solely upon the Services that were provided pursuant to the agreement between the client and Sue Slaven. Sue Slaven has not performed any observations, investigations, studies or testing not specifically set out or mentioned within this report. Sue Slaven is not liable for the existence of any condition, the discovery of which would require performance of services not otherwise contained in the Services. For the avoidance of doubt, unless otherwise expressly referred to in the introduction to this report, Sue Slaven did not seek to evaluate the presence on or off the site of asbestos, electromagnetic fields, lead paint, radon gas or other radioactive or hazardous materials (including plants).

The Services are based upon Sue Slaven's observations of existing physical conditions at the site, together with Sue Slaven's interpretation of information including documentation, obtained from third parties and from the client on the history and usage of the site. The findings and recommendations contained in this report are based

in part upon information provided by third parties, and whilst Sue Slaven has no reason to doubt the accuracy and that it has been provided in full from those it was requested from, the items relied on have not been verified. No responsibility can be accepted for errors within third party items presented in this report. Furthermore, Sue Slaven was not authorised and did not attempt to independently verify the accuracy or completeness of information, documentation or materials received from the client or third parties, including laboratories and information services, during the performance of the Services. Sue Slaven is not liable for any inaccurate information or conclusions, the discovery of which inaccuracies required the doing of any act including the gathering of any information which was not reasonably available to Sue Slaven and including the doing of any independent investigation of the information provided to Sue Slaven, save as otherwise provided in the terms of the contract between the client and Sue Slaven.

Any site drawing(s) provided in this report is (are) not meant to be an accurate base plan, but is (are) used to present the general relative locations of features on, and surrounding, the site.

Planning Requirements

This report has been prepared and authorised by Sue Slaven who is competent as defined in the National Planning Policy Framework (NPPF, 2012).

Appendix B

Environmental Risk Assessment
Methodology & Terminology

ENVIRONMENTAL RISK ASSESSMENT METHODOLOGY & TERMINOLOGY

LEGISLATION OVERVIEW

This report includes hazard identification and environmental risk assessment in line with the risk-based methods referred to in relevant UK legislation and guidance. Government environmental policy is based upon a "suitable for use approach," which is relevant to both the current use of land and also to any proposed future use. The contaminated land regime is the statutory regime for remediation of contaminated land that causes an unacceptable level of risk and is set out in Part 2A of the Environmental Protection Act 1990 ("EPA 1990"). The main objective of introducing the Part IIA regime is to provide an improved system for the identification and remediation of land where contamination is causing unacceptable risks to human health or the wider environment given the current use and circumstances of the land. Part IIA provides a statutory definition of contaminated land under Section 78A(2) as:

"any land which appears to the Local Authority in whose area it is situated to be in such a condition, by reason of substances in, on, or under the land, that: (a) Significant harm is being caused or there is a significant possibility of such harm being caused; or (b) Pollution of controlled waters is being, or is likely to be, caused."

In order to assist in establishing if there is a "*significant possibility of significant harm*", there must be a "*contaminant linkage"* for harm to exist. That means there must be a source(s) of contamination, sensitive receptors present and a connection or pathway between the two. This combination of contaminant-pathway-receptor is termed a "contaminant linkage or CPR linkage."

In the planning process, guidance is provided by National Planning Policy Framework (NPPF, March 2012) which requires that a site which has been developed shall not be capable of being determined "contaminated land" under Part IIA. In practice, Planning Authorities require sites being developed to have a lower level of risk post-development than the higher level of risk that is required in order to determine a site as being contaminated in accordance with Part IIA. This is to ensure that there is a suitable zone of safety below the level for Part IIA determination and prevent recently developed sites becoming reclassified as contaminated land if there are future legislative or technical changes (e.g. a substance is subsequently found to be more toxic than previously assessed which increases its hazard).

The criteria for assessing concentrations of contaminants and hence determining whether a site represents a hazard are based on a range of techniques, models and guidance. Within this context, it is relevant to note that Government objectives are:

(a) to identify and remove unacceptable risks to human health and the environment;
(b) to seek to bring damaged land back into beneficial use;
(c) to seek to ensure that the cost burdens faced by individuals, companies and society as a whole are proportionate, manageable and economically sustainable.

These three objectives underlie the "suitable for use" approach to risk management and remediation of contaminated land. The "suitable for use" approach focuses on the risks caused by land contamination. The approach recognises that the risks presented by any given level of contamination will vary greatly according to the use of the land and a wide range of other factors, such as the underlying geology of the site. Risks are therefore assessed on a site-specific basis.

The "suitable for use" approach then consists of three elements:

(a) *ensuring that land is suitable for its current use* - in other words, identifying any land where contamination is causing unacceptable risks to human health and the environment, assessed on the basis of the current use and circumstances of the land, and returning such land to a condition where such risks no longer arise ("remediating" the land); the contaminated land regime provides the regulatory mechanisms to achieve this;

(b) *ensuring that land is made suitable for any new use, as planning permission is given for that new use* - in other words, assessing the potential risks from contamination, on the basis of the proposed future use and circumstances, before permission is given for the development and, where necessary to avoid unacceptable risks to human health and the environment, remediating the land before the new use commences; this is the role of the town and country planning and building control regimes; and

(c) *limiting requirements for remediation to the work necessary to prevent unacceptable risks to human health or the environment in relation to the current use or future use of the land for which planning permission is being sought* - in other words, recognising that the risks from contaminated land can be satisfactorily assessed only in the context of specific uses of the land (whether current or proposed), and that any attempt to guess what might be needed at some time in the future for other uses is likely to result either in premature work (thereby running the risk of distorting social, economic and environmental priorities) or in unnecessary work (thereby wasting resources).

The mere presence of contaminants does not therefore necessarily warrant action, and consideration must be given to the scale of risk involved for the use that the site has, and will have in the future.

PRELIMINARY RISK ASSESSMENT

The work presented in this report has been carried out in general accordance with recognised best practice as detailed in guidance documents such as in Environment Agency's Land Contamination: Risk Management documents (draft 2019), and BS 10175. The particular rationale behind the risk assessments presented is given in this appendix.

Current practice recommends that the determination of potential liabilities that could arise from land contamination be carried out using the process of risk assessment, whereby "risk" is defined as:

"(a) The probability, or frequency, or occurrence of a defined hazard; and
(b) The magnitude (including the seriousness) of the consequences."

The UK's approach to the assessment of environmental risk is set out in by the Department of the Environment Transport and the Regions (2000) publication "A Guide to Risk Assessment and Risk Management for Environmental Protection" (also called Greenleaves II). This established an iterative, systematic staged process which comprised:

(a) Hazard identification;
(b) Hazard assessment;
(c) Risk estimation;
(d) Risk evaluation;
(e) Risk assessment;

At each stage during the development process, the above steps are repeated as more detailed information becomes available for the site.

For an environmental risk to be present, all three of the following elements must be present:

- Source/Contaminant: hazardous substance that has the potential to cause adverse impacts;
- Receptor: target that may be affected by contamination: examples include human occupants/users of site, water resources (rivers or groundwater), or structures;
- Pathway: a viable route whereby a hazardous substance may come into contact with the receptor.

The absence of one or more of each component (contaminant, pathway, receptor) would prevent a contaminant linkage being established and thus, no significant environmental risk.

The identification of potential contaminant linkages is based on a Conceptual Model of the site, which is subject to continual refinement as additional data become available. As part of a Preliminary Risk Assessment (Desk

Study and site walkover) a Preliminary Conceptual Site Model (PCSM) is formed. Based on the PCSM, potential contaminant linkages can be assessed. If the PCSM and hazard assessment indicate that a contaminant linkage is not of significance, then no further assessment or action is required for this linkage. For each significant and potential linkage, a risk assessment is carried out. The linkages which potentially pose significant risks may require a variety of responses ranging from immediate remedial action or risk management or, more commonly, further investigation and risk assessment. This next stage is termed a Phase 2 Ground Investigation and should provide additional data to allow refinement of the Conceptual Site Model and assess the level of risk from each contaminant linkage.

Definition of Risk Assessment Terminology

The criteria used for risk assessment are broadly based on those presented in DETR's "A Guide to Risk Assessment and Risk Management for Environmental Protection" (2000). The severity of the risk is classified according to the criteria in Table B.1 below:

Table B.1 Severity/Consequence of Risk

Severe	Acute risks to human health. Catastrophic damage to buildings/property (e.g. by explosion). Direct pollution of sensitive water receptors or serious pollution of other controlled water (watercourses or groundwater) bodies.
Medium	Harm to human health from long-term exposure. Slight pollution of sensitive controlled waters (surface waters or aquifers) or pollution of other water bodies. Significant effects on sensitive ecosystems or species.
Mild	No significant harm to human health in either short or long term. No pollution of sensitive controlled waters, no more than slight pollution of non-sensitive waters. Significant damage to buildings or structures. Requirement for protective equipment during site works to mitigate health effects.
Negligible	Damage to non-sensitive ecosystems or species. Minor damage to buildings or structures. No harm or pollution of water.

The probability of the risk occurring is classified according to criteria given in Table B.2 below:

Table B.2: Probability of Risk Occurring

High likelihood	Contaminant linkage may be present, and risk is almost certain to occur in the long term, or there is evidence of harm to the receptor.
Medium/Reasonably Foreseeable	Contaminant linkage may be present, and it is probable that the risk will occur over the long term.
Low/Unlikely	Contaminant linkage may be present and there is a possibility of the risk occurring, although there is no certainty that it will do so.
Negligible/ Not credible	Contaminant linkage may be present but the circumstances under which harm would occur are improbable.

An overall evaluation of the level of risk is gained from a comparison of the severity and probability, as shown in Table B.3 below:

Table B.3: Comparison of Severity and Probability

		Severity			
		Severe	**Medium**	**Mild**	**Negligible**
Probability	**High likelihood**	Very High Risk	High Risk	Medium/Low Risk	Low Risk
	Medium/Reasonably Foreseeable	High Risk	Medium Risk	Low Risk	Near Zero

	Low/Unlikely	High/Medium Risk	Medium/Low Risk	Low Risk	Near Zero
	Negligible/ Not credible	Medium/Low Risk	Low Risk	Low Risk	Near Zero

The various risk rankings provide guidance for recommended actions, whether this is:

AR - Action Required, remediation or mitigation or site investigation works required.
SIR - Site Investigation Required, further assessment is required.
NAR - No Action Required.

A description of the evaluated risk is as follows:

Table B.4 Description of the Classified Risks and Likely Action Required

Evaluated Risk	Recommended Actions
Very High Risk	AR: 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. This risk, if realised, is likely to result in a substantial liability. Urgent investigation (if not undertaken already) and remediation are likely to be required.
High Risk	AR: Harm is likely to arise to a designated receptor from an identified hazard. Realisation of the risk is likely to present a substantial liability. Urgent investigation (if not undertaken already) is required and remedial works may be necessary in the short term and are likely over the long term.
Moderate Risk	SI: It is possible that harm could arise to a designated receptor from an identified hazard. However, it is relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild. Investigation (if not already undertaken) is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the longer term.
Low Risk	NAR: It is possible that harm could arise to a designated receptor from an identified hazard, but there is a low likelihood of this hazard occurring and if realised, harm would at worst normally be mild.
Near Zero	NAR: There is a negligible possibility that harm could arise to a receptor. In the event of such harm being realised, it is not likely to be severe.

Appendix C

Site Photographs

Photograph 1: the entrance to the site from Stonham Road.

Photograph 2: The entrance to the site. The outbuildings on the left are to be demolished to make way for an amended access to the site.

Photograph 3: The pond located in-between the barn and Green Oak Farmhouse.

Photograph 4: The barn and pond immediately to the west of the site.

Photograph 5: The barn.

Photograph 6: The site from the north-eastern corner of the main site.

Photograph 7: The north-western sector of the site.

Photograph 8: A storage container and domestic oil tank, together with logs located at the eastern end of the "limb" that leads from the road to the site.

Photograph 9: The northern sector of the site.

Photograph 10: The eastern sector of the site, from the northern site boundary.

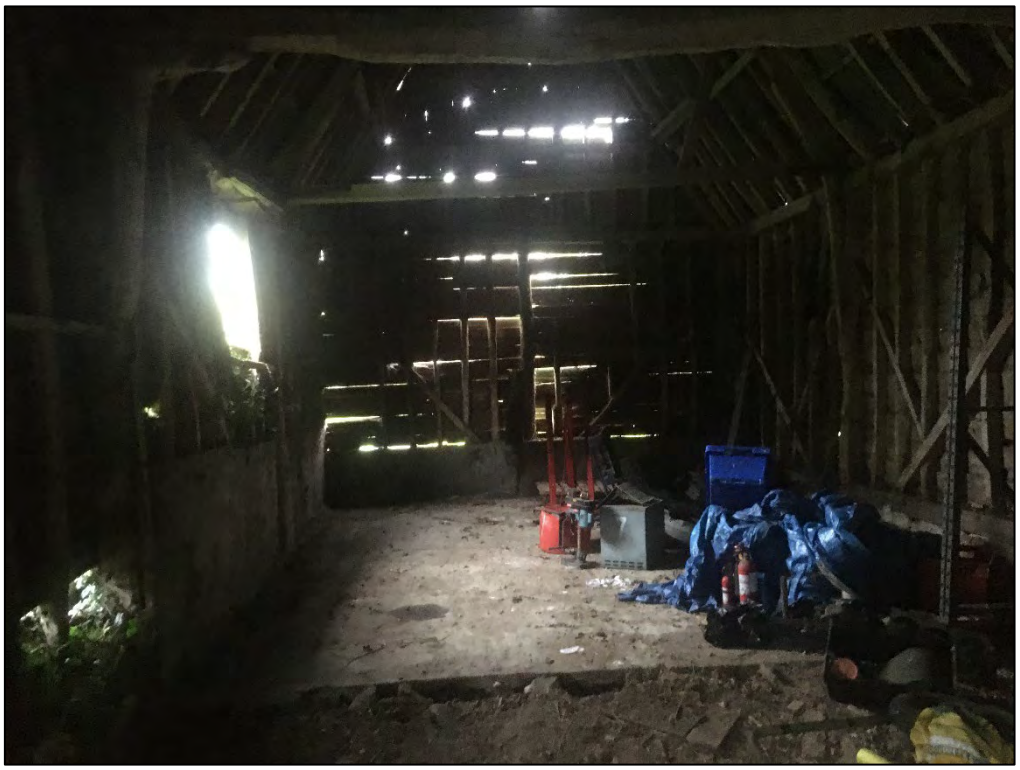
Photograph 11: The central and northern sectors of the site, from the eastern site boundary.

Photograph 12: The centre and southern sectors of the site, from the eastern site boundary.

Photograph 13: The southern sector of the site, from the south-eastern corner.

Photograph 14: The south-eastern and eastern sides of the barn.

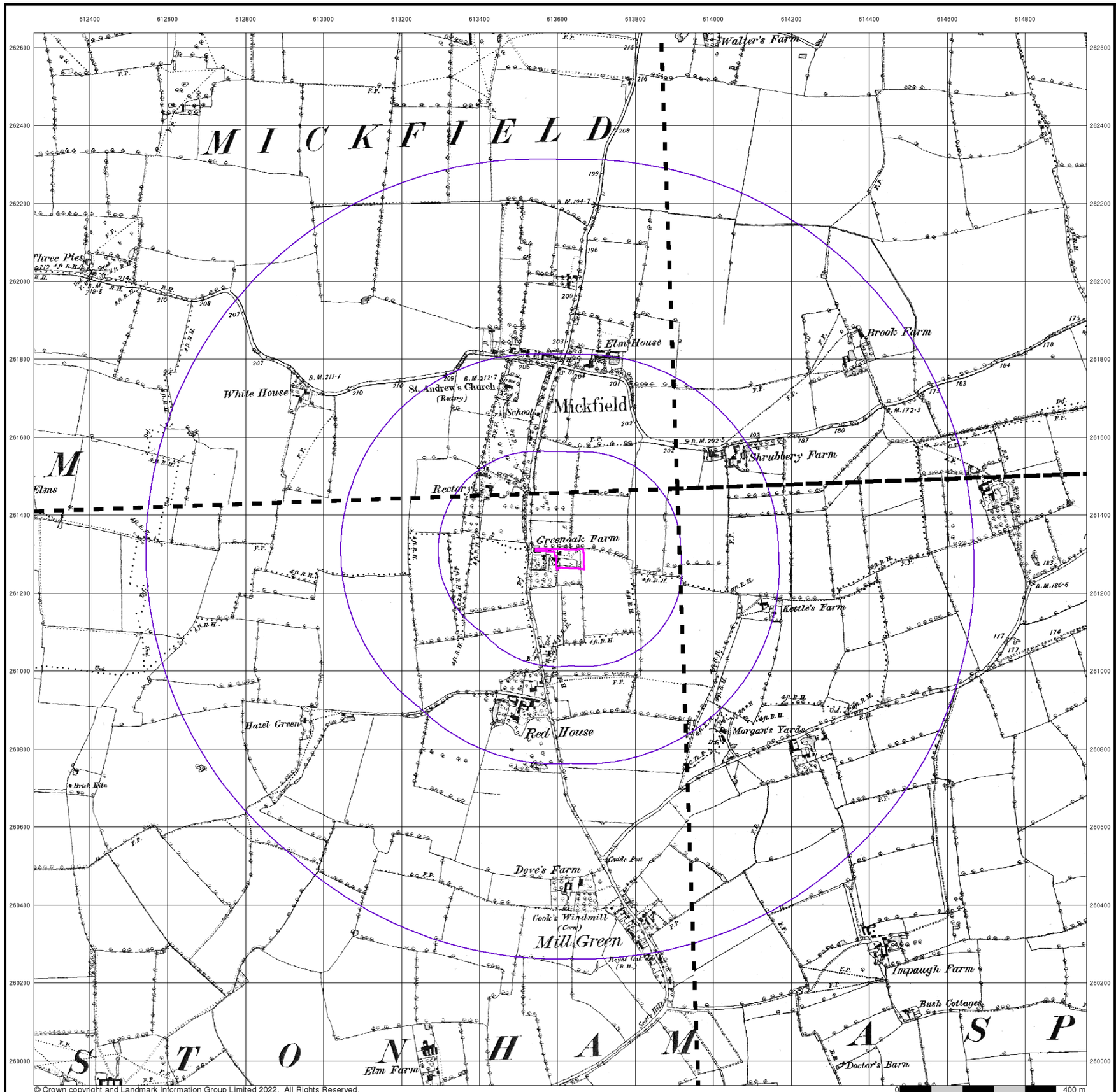
Photograph 15: The south-western side of the barn



Photograph 16: Inside the barn.

Appendix D

Historical Maps



Envirocheck®

LANDMARK INFORMATION GROUP®

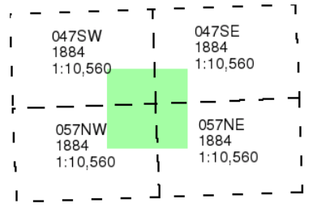
Suffolk

Published 1884

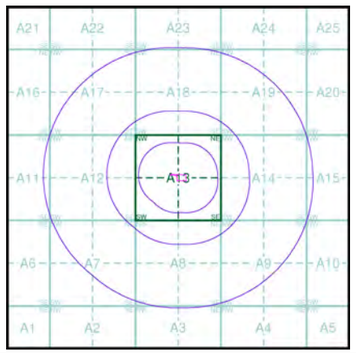
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

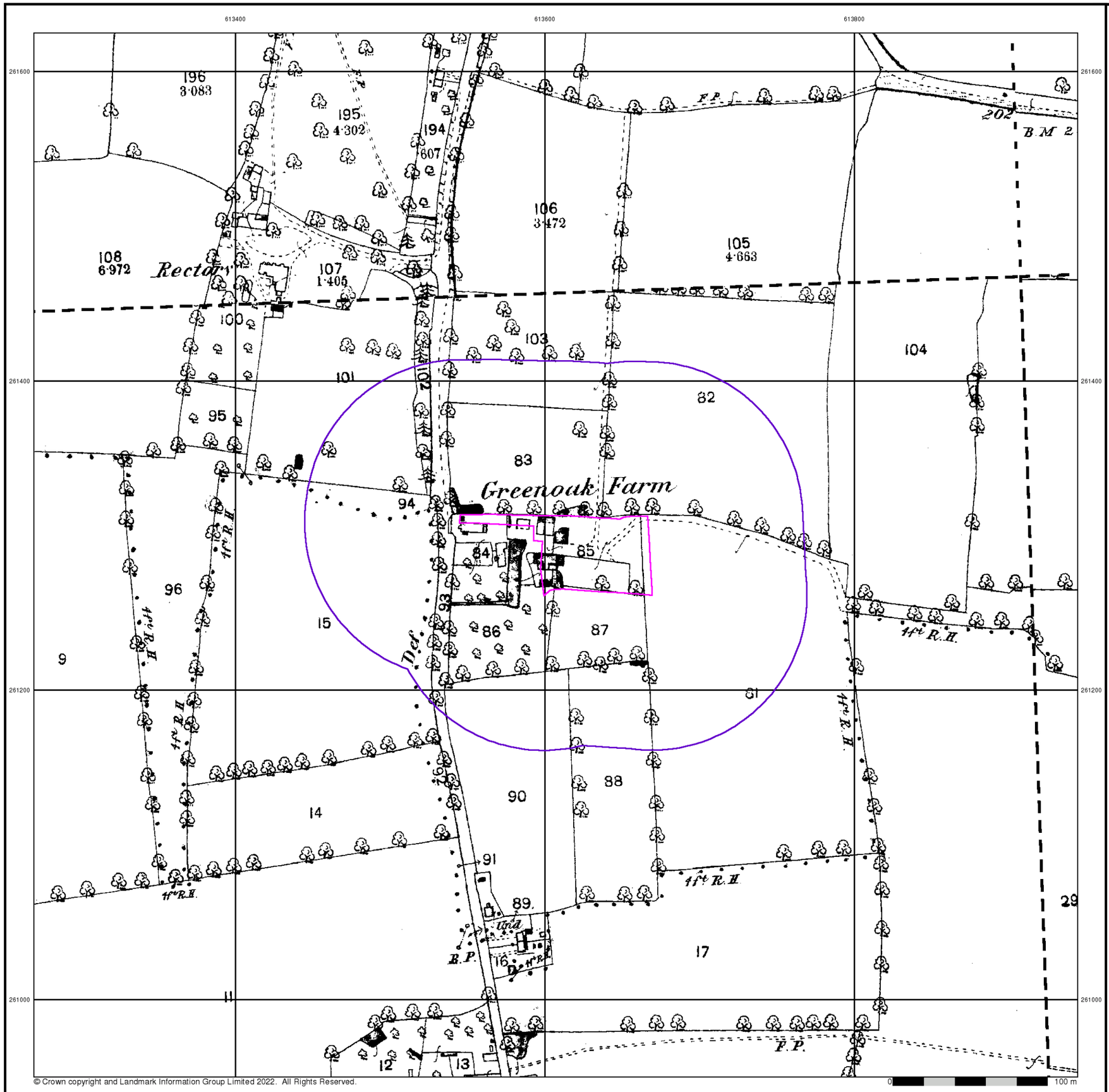
Order Number:	304168347_1_1
Customer Ref:	P0320
National Grid Reference:	613610, 261290
Slice:	A
Site Area (Ha):	0.38
Search Buffer (m):	1000

Site Details

Green Oak Farm, Stonham Road, Mickfield, STOWMARKET, IP14 5LS

Landmark INFORMATION GROUP

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



Envirocheck®

LANDMARK INFORMATION GROUP®

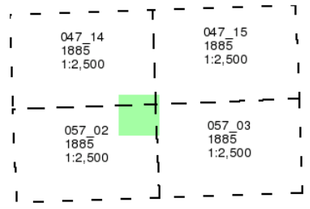
Suffolk

Published 1885

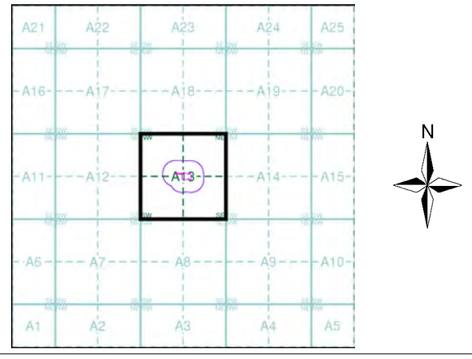
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

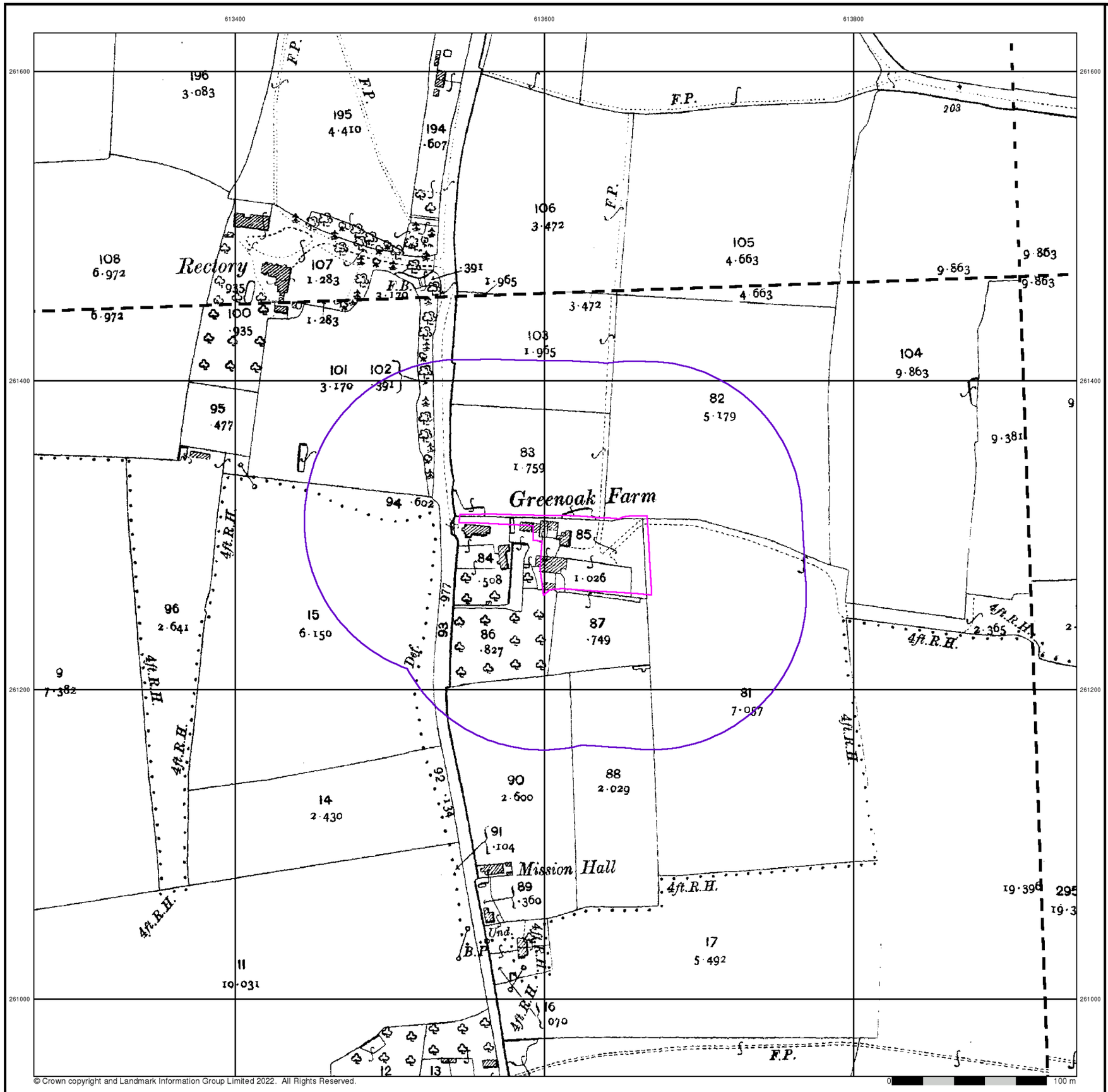
Order Number:	304168347_1_1
Customer Ref:	P0320
National Grid Reference:	613610, 261290
Slice:	A
Site Area (Ha):	0.38
Search Buffer (m):	100

Site Details

Green Oak Farm, Stonham Road, Mickfield, STOWMARKET, IP14 5LS

Landmark INFORMATION GROUP

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



Envirocheck®

LANDMARK INFORMATION GROUP®

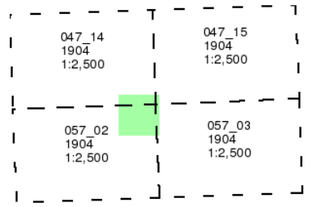
Suffolk

Published 1904

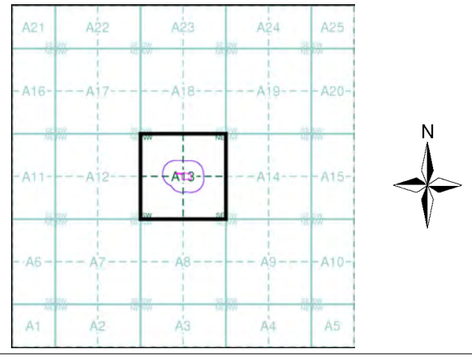
Source map scale - 1:2,500

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

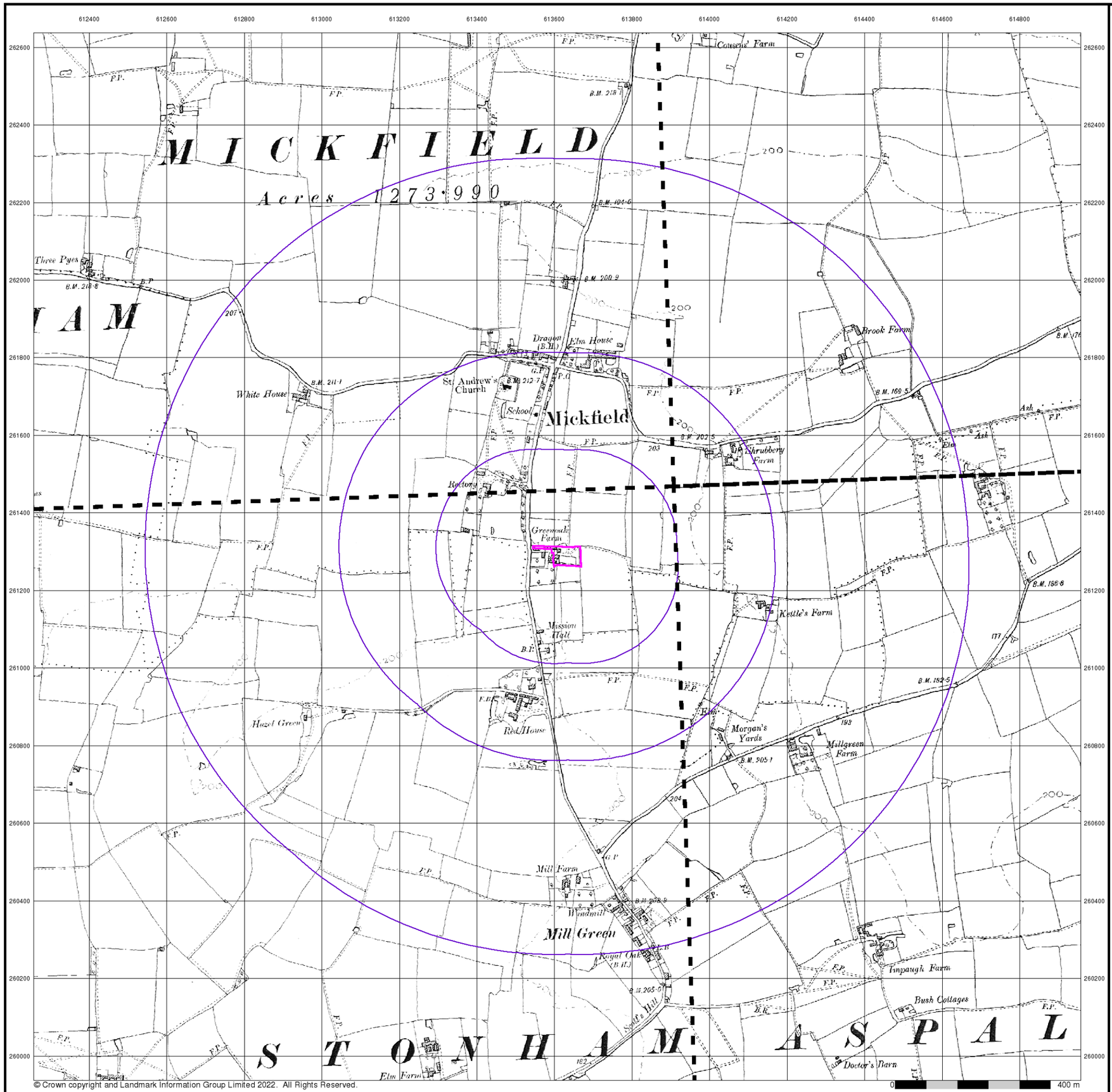
Order Number:	304168347_1_1
Customer Ref:	P0320
National Grid Reference:	613610, 261290
Slice:	A
Site Area (Ha):	0.38
Search Buffer (m):	100

Site Details

Green Oak Farm, Stonham Road, Mickfield, STOWMARKET, IP14 5LS

Landmark INFORMATION GROUP

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



Envirocheck®
LANDMARK INFORMATION GROUP®

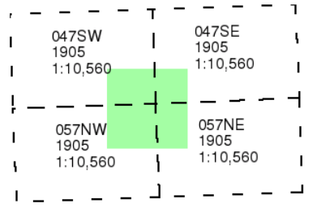
Suffolk

Published 1905

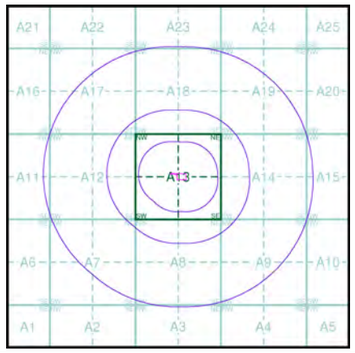
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



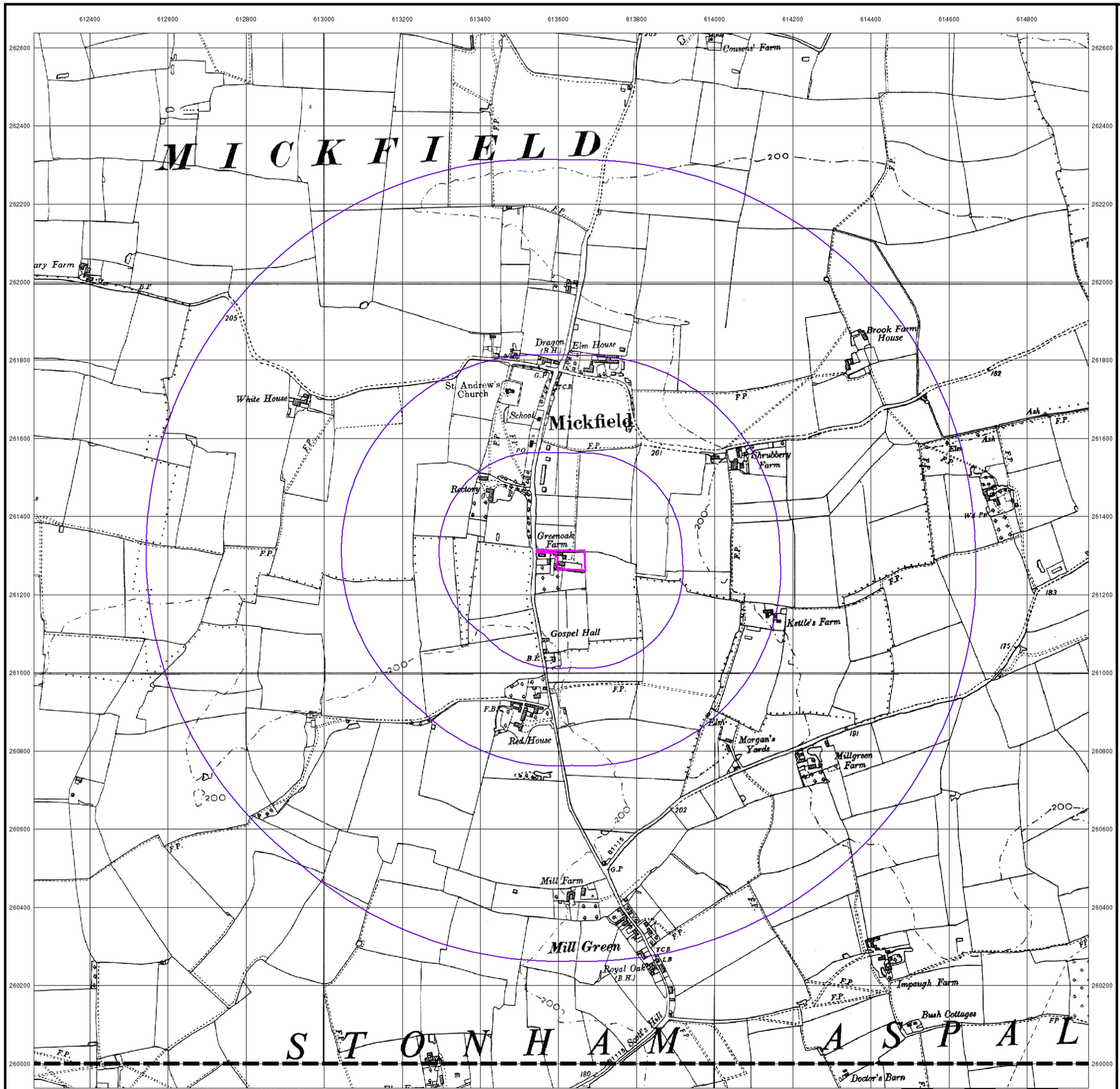
Order Details

Order Number:	304168347_1_1
Customer Ref:	P0320
National Grid Reference:	613610, 261290
Slice:	A
Site Area (Ha):	0.38
Search Buffer (m):	1000

Site Details

Green Oak Farm, Stonham Road, Mickfield, STOWMARKET, IP14 5LS

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



Envirocheck®

LANDMARK INFORMATION GROUP®

Ordnance Survey Plan

Published 1957

Source map scale - 1:10,000

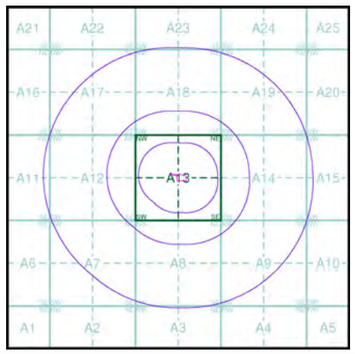
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

Map Name(s) and Date(s)

TM16SW
1957
1:10,560

TM15NW
1957
1:10,560

Historical Map - Slice A



Order Details

Order Number:	304168347_1_1
Customer Ref:	P0320
National Grid Reference:	613610, 261290
Slice:	A
Site Area (Ha):	0.38
Search Buffer (m):	1000

Site Details

Green Oak Farm, Stonham Road, Mickfield, STOWMARKET, IP14 5LS

Landmark INFORMATION GROUP

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

Envirocheck®

LANDMARK INFORMATION GROUP®

Ordnance Survey Plan

Published 1976

Source map scale - 1:2,500

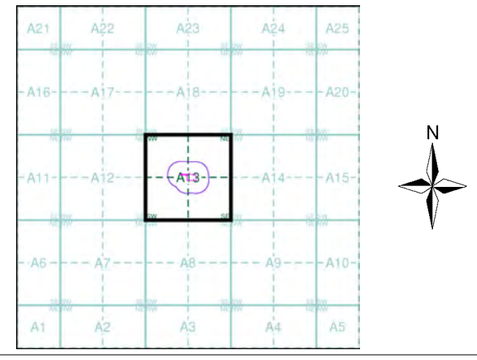
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. 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)

TM1361
1976
1:2,500

TM1360
1976
1:2,500

Historical Map - Segment A13



Order Details

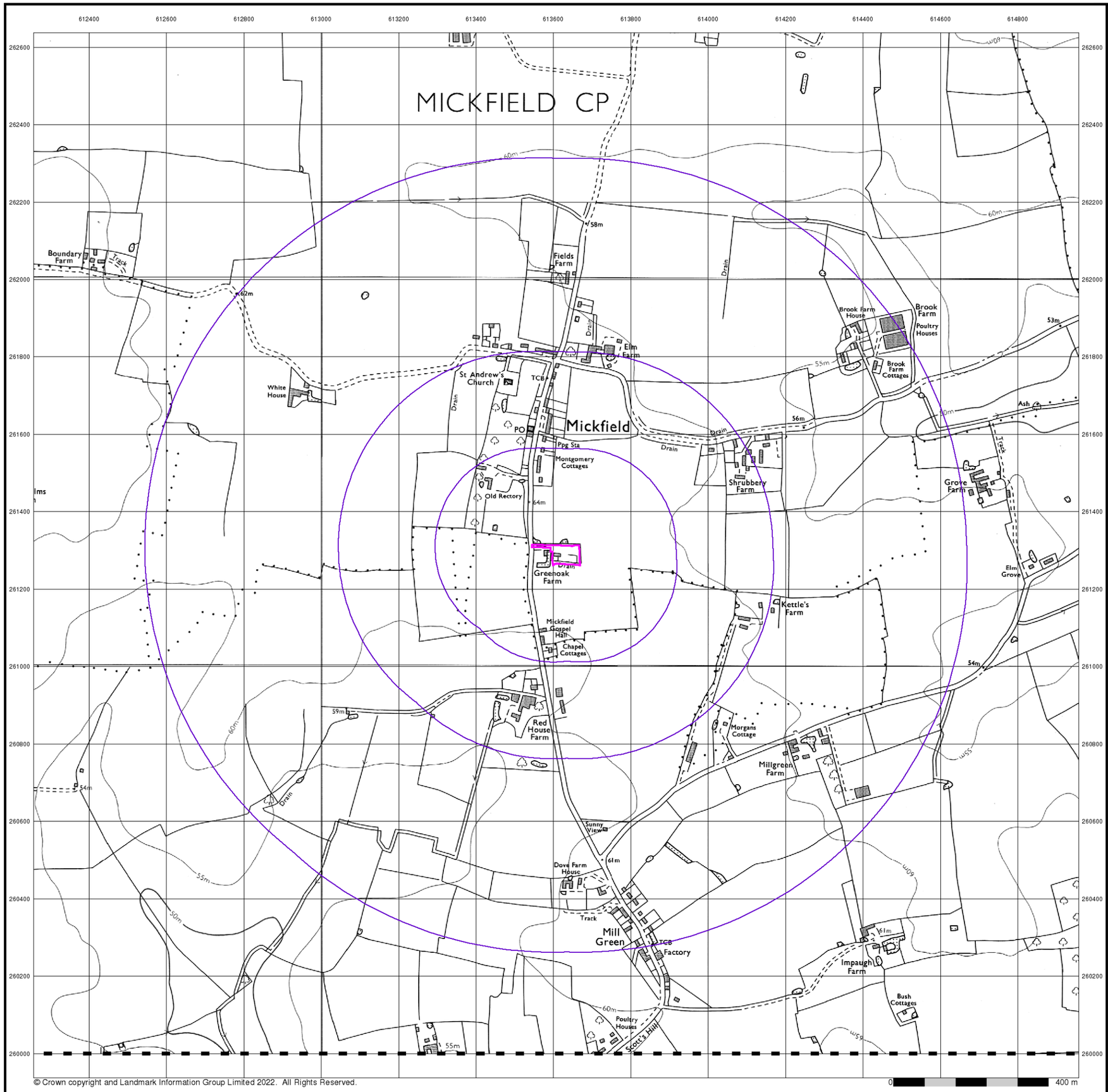
Order Number:	304168347_1_1
Customer Ref:	P0320
National Grid Reference:	613610, 261290
Slice:	A
Site Area (Ha):	0.38
Search Buffer (m):	100

Site Details

Green Oak Farm, Stonham Road, Mickfield, STOWMARKET, IP14 5LS

Landmark INFORMATION GROUP

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



0 400 m

Envirocheck®

LANDMARK INFORMATION GROUP®

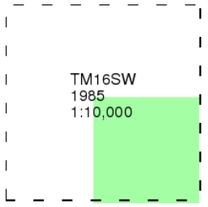
Ordnance Survey Plan

Published 1985

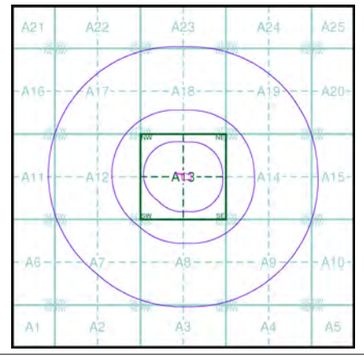
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

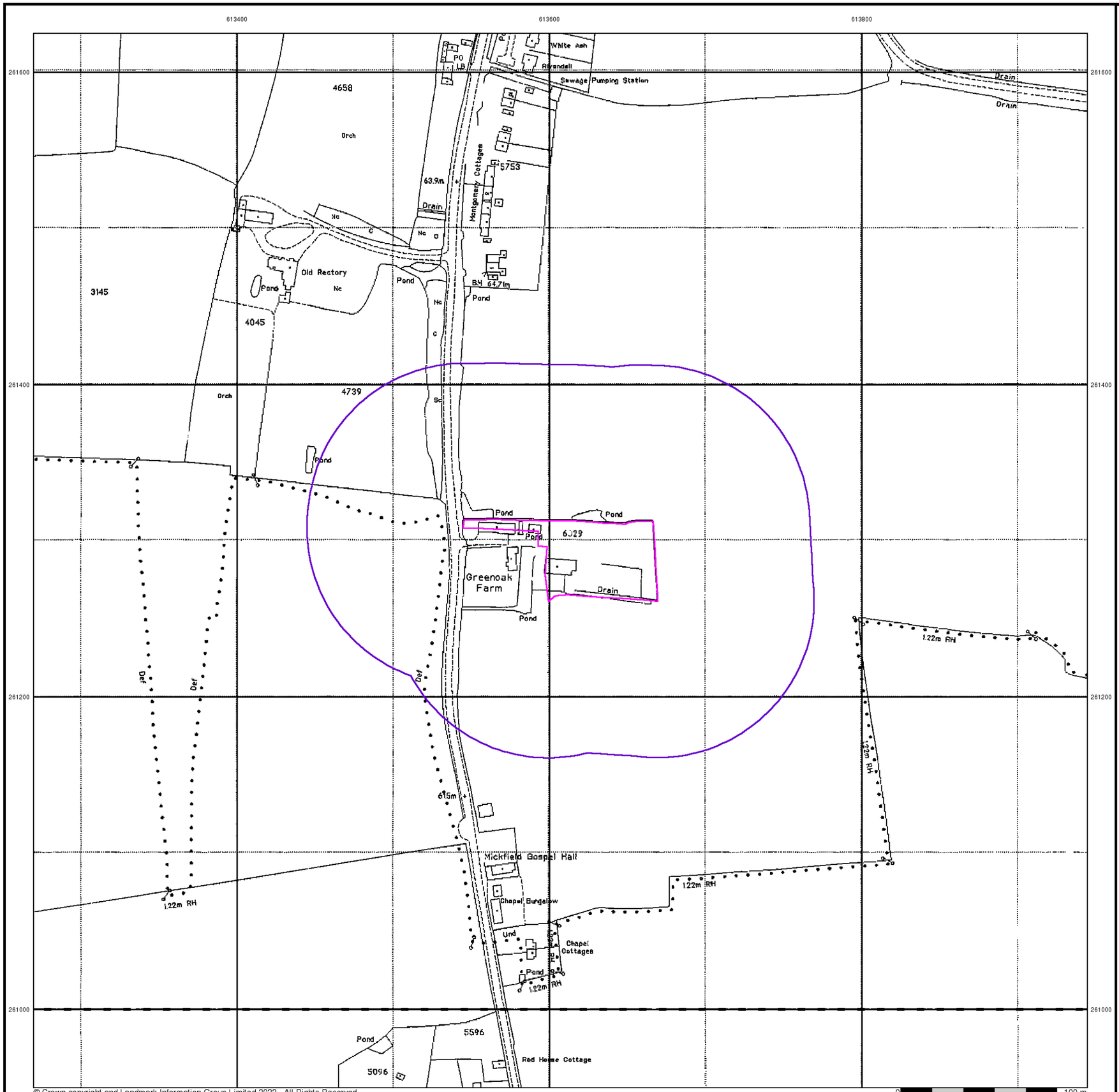
Order Number:	304168347_1_1
Customer Ref:	P0320
National Grid Reference:	613610, 261290
Slice:	A
Site Area (Ha):	0.38
Search Buffer (m):	1000

Site Details

Green Oak Farm, Stonham Road, Mickfield, STOWMARKET, IP14 5LS

Landmark INFORMATION GROUP

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



Envirocheck®
LANDMARK INFORMATION GROUP®

Large-Scale National Grid Data

Published 1995

Source map scale - 1:2,500

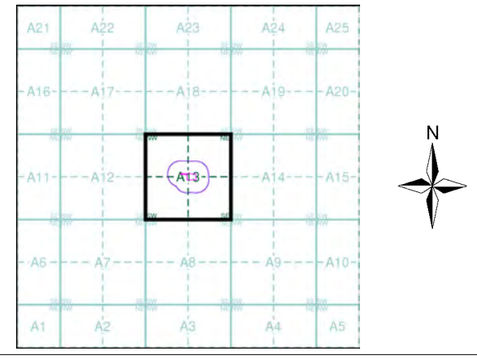
'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic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

Map Name(s) and Date(s)

TM1361
1995
1:2,500

TM1360
1995
1:2,500

Historical Map - Segment A13



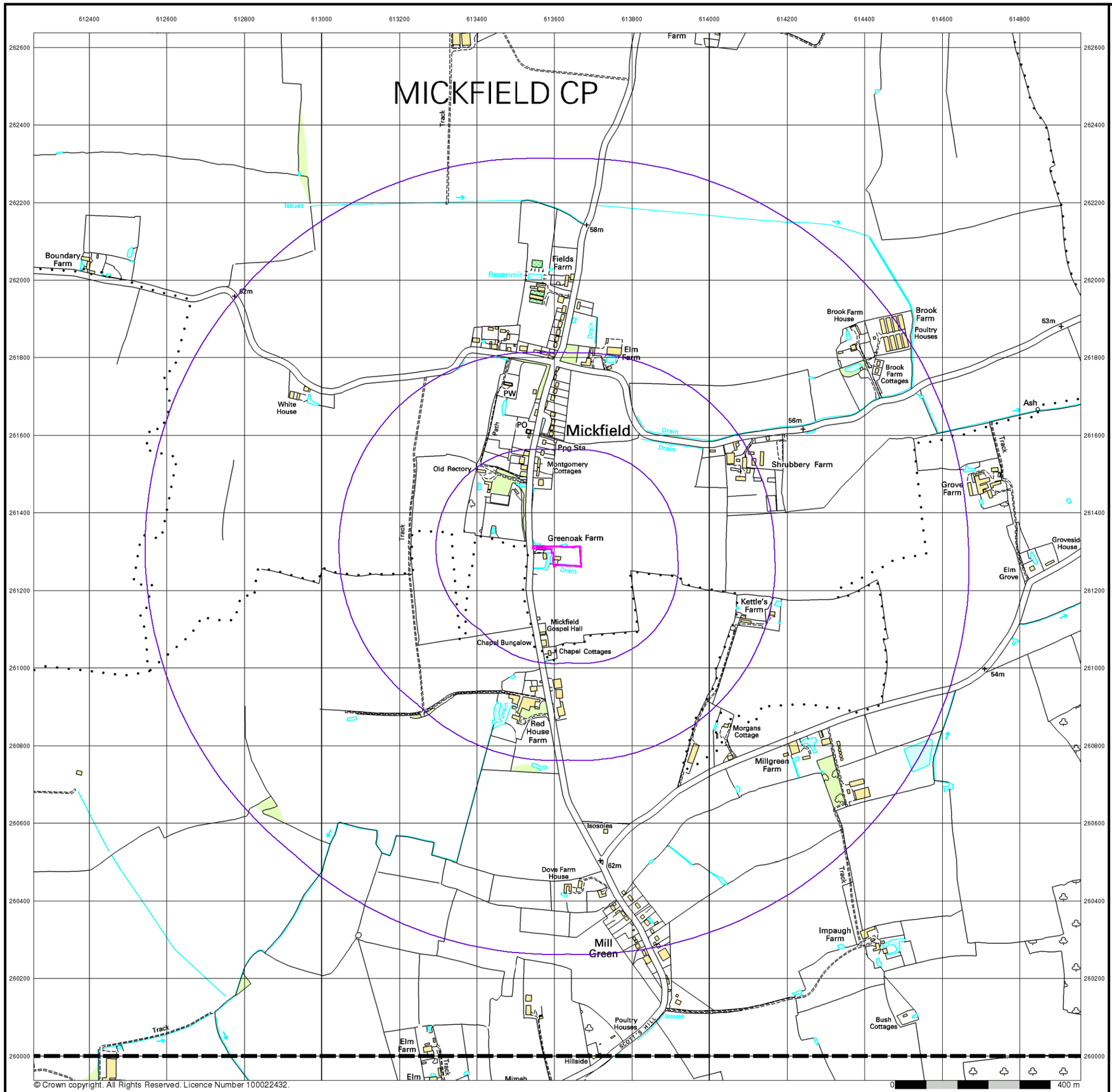
Order Details

Order Number:	304168347_1_1
Customer Ref:	P0320
National Grid Reference:	613610, 261290
Slice:	A
Site Area (Ha):	0.38
Search Buffer (m):	100

Site Details

Green Oak Farm, Stonham Road, Mickfield, STOWMARKET, IP14 5LS

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



Envirocheck®
LANDMARK INFORMATION GROUP®

10k Raster Mapping

Published 2000

Source map scale - 1:10,000

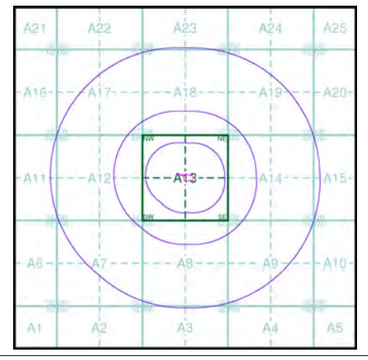
The historical maps shown were produced from the Ordnance Survey`s 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks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

Map Name(s) and Date(s)

TM16SW
2000
1:10,000

TM15NW
2000
1:10,000

Historical Map - Slice A



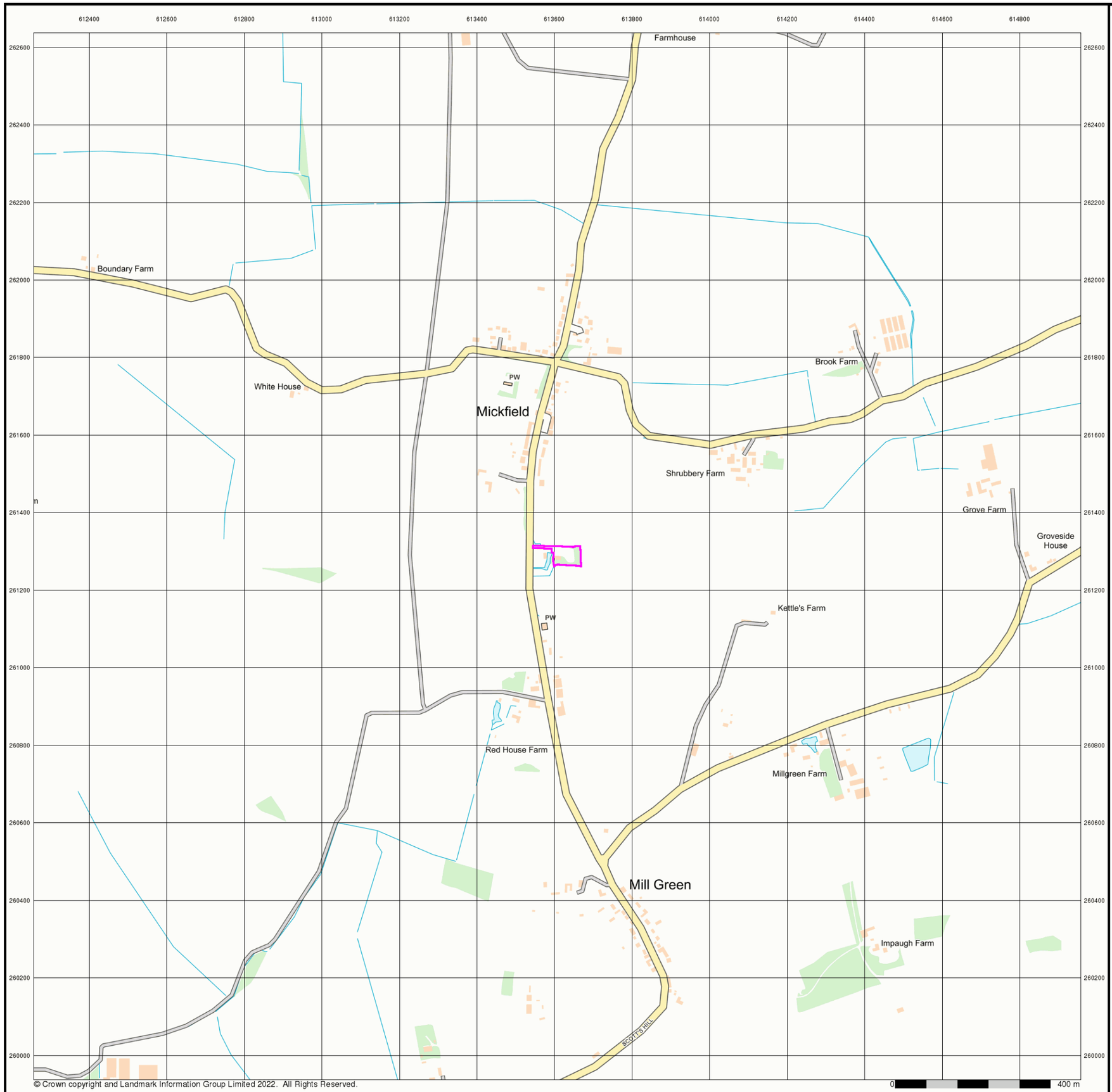
Order Details

Order Number:	304168347_1_1
Customer Ref:	P0320
National Grid Reference:	613610, 261290
Slice:	A
Site Area (Ha):	0.38
Search Buffer (m):	1000

Site Details

Green Oak Farm, Stonham Road, Mickfield, STOWMARKET, IP14 5LS

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



Envirocheck®

LANDMARK INFORMATION GROUP®

Street View

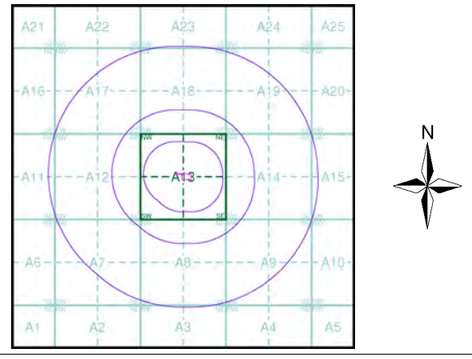
Published 2022

Source map scale - 1:10,000

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

Map Name(s) and Date(s)

Street View Map - Slice A



Order Details

Order Number:	304168347_1_1
Customer Ref:	P0320
National Grid Reference:	613610, 261290
Slice:	A
Site Area (Ha):	0.38
Search Buffer (m):	1000

Site Details

Green Oak Farm, Stonham Road, Mickfield, STOWMARKET, IP14 5LS

Landmark INFORMATION GROUP

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

Appendix E

Envirocheck Report

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
304168347_1_1

Customer Reference:
P0320

National Grid Reference:
613610, 261290

Slice:
A

Site Area (Ha):
0.38

Search Buffer (m):
1000

Site Details:

Green Oak Farm, Stonham Road
Mickfield
STOWMARKET
IP14 5LS

Client Details:

Mrs S Slaven
Sue Slaven
33 Windmill Close
Great Cornard
SUDBURY
Suffolk
CO10 0FL

Envirocheck®
LANDMARK INFORMATION GROUP®

Contents

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.

Report Version v53.0

Envirocheck®
LANDMARK INFORMATION GROUP®

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes			n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		1	1	9
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control	pg 3				5
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 4	Yes			
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 5				(*6)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 6	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 6	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 6	Yes	n/a	n/a	n/a
Source Protection Zones	pg 6	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 7	1	2	11	34

Envirocheck®
LANDMARK INFORMATION GROUP

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 13	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 14	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 14	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 14	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 14	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 14	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a

Envirocheck®
LANDMARK INFORMATION GROUP

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 15		1	4	
Fuel Station Entries					
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 16	3			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (SE)	0	1	613613 261293
1	**Discharge Consents** Operator: Matthew Whyte Property Type: Domestic Property (Single) Location: The Old Rectory Stonham Road, Mickfield, Stowmarket, Suffolk, Ip14 5ls Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: Pr4nf1628 Permit Version: 1 Effective Date: 20th April 1988 Issued Date: 20th April 1988 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trib River Gipping **Status:** **Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	237	2	613400 261500
2	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Stonham Parva Pumping Stations, Forward Green, Stowmarket, Ip14 Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: Aw4nf794x Permit Version: 1 Effective Date: 8th February 1974 Issued Date: 8th February 1974 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Gipping **Status:** **Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A13NW (N)	266	2	613586 261579
3	**Discharge Consents** Operator: N.D.Hart Esq Property Type: Domestic Property (Single) Location: Shrubbary Farm Debenham Road, Mickfield, Stowmarket, Suffolk, Ip27 0th Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr4nf961x Permit Version: 1 Effective Date: 22nd March 1983 Issued Date: 22nd March 1983 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trib River Deben **Status:** **Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	504	2	614088 261587
3	**Discharge Consents** Operator: Mr.M.C.Burch Property Type: Sewage Disposal Works - Other Location: Mickfield Fish Centre, Mickfield, Nr.Stowmarket.Suffolk. Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr4nf935x Permit Version: 2 Effective Date: 14th December 2011 Issued Date: 14th December 2011 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Into Land Receiving Water: Trib River Deben **Status:** **Varied under EPR 2010** Positional Accuracy: Located by supplier to within 100m	A14NW (NE)	521	2	614100 261600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	**Discharge Consents** Operator: Mr.M.C.Burch Property Type: CULTURAL/ZOO/COMMUNITY CENTRE/MUSEUM/LIBRARY/ARCHIVE Location: Mickfield Fish Centre Mickfield, Nr.Stowmarket, -, Suffolk Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: Pr4nf935x Permit Version: 1 Effective Date: 25th August 1982 Issued Date: 25th August 1982 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trib River Deben **Status:** **Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A14NW (NE)	521	2	614100 261600
4	**Discharge Consents** Operator: Mr A E Rout Property Type: Domestic Property (Single) Location: Isosceles House Mill Green, Stonham Aspal, Suffolk, Ip14 5lt Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: Prenf08901 Permit Version: 1 Effective Date: 10th October 1994 Issued Date: 10th October 1994 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Tributary River Gipping **Status:** **Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A8SE (S)	663	2	613710 260600
5	**Discharge Consents** Operator: Mr & Mrs D Morley Property Type: Domestic Property (Single) Location: Mill Green Farm Barn Debenham Rd, Stonham Aspal, Ipswich, Suffolk, Ip14 6da Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: Prenf10604 Permit Version: 1 Effective Date: 27th September 1996 Issued Date: 27th September 1996 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Tributary River Deben **Status:** **Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	711	2	614210 260800
6	**Discharge Consents** Operator: Mr Malcolm Leith Property Type: Domestic Property (Single) Location: Dove Farm House Mill Green, Stonham Aspal, Stowmarket, Suffolk, Ip14 6da Authority: Environment Agency, Anglian Region Catchment Area: River Gipping / River Jordan Reference: Prenf21012 Permit Version: 1 Effective Date: 12th November 2007 Issued Date: 12th November 2007 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Tributary Of River Gipping **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	A8SW (S)	796	2	613344 260508

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Discharge Consents** Operator: Mrs J Saunders Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Mill Green Stonham Aspel, Stowmarket, Suffolk, Ip14 6da Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: Pr4nf914x Permit Version: 2 Effective Date: 22nd July 1992 Issued Date: 22nd July 1992 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trib River Gipping **Status:** **Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A8SE (S)	872	2	613800 260400
7	**Discharge Consents** Operator: Mid Suffolk District Council Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Mill Green Stonham Aspel, Stowmarket, Suffolk, Ip14 6da Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr4nf914x Permit Version: 1 Effective Date: 25th January 1982 Issued Date: 25th January 1982 Revocation Date: 21st July 1992 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trib River Gipping **Status:** **Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A8SE (S)	872	2	613800 260400
8	**Discharge Consents** Operator: Mpp Holdings Ltd Property Type: Domestic Property (Single) Location: Brook Farm Cottages 1&2 Bungalows, Mickfield, Stowmarket, Suffolk, Ip14 5lp Authority: Environment Agency, Anglian Region Catchment Area: Deben Estuary / Orwell Estuary Reference: Prenf16837 Permit Version: 1 Effective Date: 17th October 2004 Issued Date: 17th October 2004 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: A Trib Of The River Deben **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	A19SE (NE)	944	2	614480 261790
9	**Integrated Pollution Prevention And Control** Name: Traditional Norfolk Poultry Ltd Location: Mickfield Poultry Farm - Epr/Xp3335qe, Mickfield Poultry Farm, Brook Farm No 2 Bungalow,Mickfield,, Stowmarke, Suffolk, IP14 5LP Authority: Environment Agency, Anglian Region Permit Reference: MP3105SQ Original Permit Ref: Xp3335qe Effective Date: 4th December 2020 **Status:** **Effective** Application Type: Variation App. Sub Type: Standard Positional Accuracy: Located by supplier to within 100m Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y	A19SE (NE)	800	2	614300 261800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	**Integrated Pollution Prevention And Control** Name: Traditional Norfolk Poultry Ltd Location: Mickfield Poultry Farm Epr/Xp3335qe, No 2 Bungalow,Brook Farm, Debenham Road,,Mickfield, STOWMARKET, Suffolk, IP14 5LP Authority: Environment Agency, Anglian Region Permit Reference: XP3335QE Original Permit Ref: Xp3335qe Effective Date: 23rd August 2018 **Status: Superseded By Variation** Application Type: Transfer App. Sub Type: Whole with Fit and Proper Person Positional Accuracy: Located by supplier to within 100m Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y	A19SE (NE)	800	2	614300 261800
9	**Integrated Pollution Prevention And Control** Name: Moy Park Ltd. Location: Mickfield Poultry Farm Epr/Kp3534mp, No 2 Bungalow,Brook Farm, Debenham Road,,Mickfield, STOWMARKET, Suffolk, IP14 5LP Authority: Environment Agency, Anglian Region Permit Reference: AP3430HQ Original Permit Ref: Kp3534mp Effective Date: 30th September 2010 **Status: Superseded By Variation** Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Located by supplier to within 100m Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N	A19SE (NE)	800	2	614300 261800
10	**Integrated Pollution Prevention And Control** Name: E C Drummond (Agriculture) Ltd Location: Mickfield Poultry Farm Epr/Dp3531aq, No 2 Bungalow,Brook Farm, Debenham Road,,Mickfield, STOWMARKET, Suffolk, IP14 5LP Authority: Environment Agency, Anglian Region Permit Reference: DP3531AQ Original Permit Ref: Dp3531aq Effective Date: 23rd July 2015 **Status: Superseded By Variation** Application Type: Transfer App. Sub Type: Whole without Fit and Proper Person Positional Accuracy: Automatically positioned to the address Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: N	A19SE (NE)	912	2	614382 261877
10	**Integrated Pollution Prevention And Control** Name: Moy Park Ltd. Location: Mickfield Poultry Farm Epr/Kp3534mp, No 2 Bungalow,Brook Farm, Debenham Road,,Mickfield, STOWMARKET, Suffolk, IP14 5LP Authority: Environment Agency, Anglian Region Permit Reference: KP3534MP Original Permit Ref: Kp3534mp Effective Date: 7th September 2007 **Status: Superseded By Variation** Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y	A19SE (NE)	912	2	614382 261877
	Nearest Surface Water Feature	A13SE (S)	0	-	613611 261265

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Hemingstone Fruit Farms Licence Number: 7/35/06/*G/0081 Permit Version: 101 Location: Fox Borehole, Stonham Aspal Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Anti Frost Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Stonham Aspal Suffolk Authorised Start: 01 March Authorised End: 07 June Permit Start Date: 1st August 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A10SE (SE)	1737	2	615200 260440
	Water Abstractions Operator: Hemingstone Fruit Farms Licence Number: 7/35/06/*G/0081 Permit Version: 101 Location: Fox Borehole, Stonham Aspal 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: Stonham Aspal Suffolk Authorised Start: 01 March Authorised End: 30 September Permit Start Date: 1st August 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A10SE (SE)	1737	2	615200 260440
	Water Abstractions Operator: D I Neuteboom Licence Number: 7/35/06/*G/0081 Permit Version: 100 Location: Fox Borehole, Stonham Aspal 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: E chalk; Status: Perpetuity Authorised Start: 01 March Authorised End: 30 September Permit Start Date: 1st February 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A10SE (SE)	1737	2	615200 260440
	Water Abstractions Operator: Mr D I Neuteboom Licence Number: 7/35/06/*g/081 Permit Version: Not Supplied Location: Flint Borehole, STONHAM ASPAL Authority: Environment Agency, Anglian Region Abstraction: Unspecified Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 41 Yearly Rate (m3): 591000 Details: E chalk; 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	A10SE (SE)	1740	2	615200 260435

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: D I Neuteboom Licence Number: 7/35/06/*G/0081 Permit Version: 100 Location: Fox Borehole, Stonham Aspal Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Anti Frost Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: E chalk; Status: Perpetuity Authorised Start: 01 March Authorised End: 07 June Permit Start Date: 1st February 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A10SE (SE)	1744	2	615205 260435
	Water Abstractions Operator: V D Favell & Co Licence Number: 7/35/06/*G/0009 Permit Version: 100 Location: Bore At Greenwood Fm,Mickfield 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: E chalk; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st December 1965 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24NE (NE)	1856	2	614610 262910
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Intergranular Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	A13NE (SE)	0	3	613613 261293
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13NE (SE)	0	3	613613 261293
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13NE (SE)	0	3	613613 261293
11	**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.	A13NE (SE)	0	2	613613 261293
	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				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flood Defences None				
12	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 248.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A13SE (S)	0	4	613611 261265
13	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 39.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A13SW (S)	134	4	613564 261132
14	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 105.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A13SW (S)	165	4	613547 261105
15	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 119.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A13SW (S)	263	4	613566 261001
16	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 36.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A13NW (N)	294	4	613561 261607
17	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 143.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A13NE (NE)	324	4	613829 261592
18	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 208.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A13NE (NE)	339	4	613835 261606
19	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 103.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A8NW (S)	374	4	613497 260902
20	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 27.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A14NW (NE)	400	4	613972 261571

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 30.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A8NW (S)	408	4	613451 260882
22	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 284.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A14NW (NE)	424	4	613996 261578
23	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 15.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A8NW (S)	438	4	613442 260853
24	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 474.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A18SE (NE)	443	4	613803 261734
25	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 568.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A8NW (S)	453	4	613438 260838
26	**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: Deben Primacy: 1	A18SW (NW)	501	4	613347 261773
27	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 387.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A14NW (E)	538	4	614197 261401
28	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 60.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A18NE (N)	658	4	613650 261970
29	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 116.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A19SW (NE)	686	4	614274 261629

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 171.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A19SW (NE)	686	4	614274 261629
31	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 115.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A18NE (N)	718	4	613660 262030
32	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 3.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A19SW (NE)	730	4	614255 261743
33	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 9.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A19SW (NE)	733	4	614257 261746
34	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 16.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A9NW (SE)	742	4	614214 260757
35	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 44.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A9NW (SE)	742	4	614214 260757
36	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 76.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A8SE (S)	757	4	613897 260540
37	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 597.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Not Supplied Primacy: 1	A12NW (W)	797	4	612748 261331
38	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 671.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A7SE (SW)	821	4	613144 260579

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
39	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 733.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A7SE (SW)	821	4	613144 260579
40	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 56.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A18NE (N)	832	4	613677 262144
41	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 717.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A18NE (N)	832	4	613677 262144
42	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 16.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A19SE (NE)	852	4	614431 261686
43	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 49.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Not Supplied Primacy: 1	A9SW (SE)	858	4	614003 260472
44	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 84.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A19SE (NE)	868	4	614446 261693
45	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 712.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A18NE (N)	881	4	613714 262192
46	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A18NE (N)	882	4	613706 262193
47	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 13.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A14NE (E)	888	4	614508 261593

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 138.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A14NE (E)	893	4	614538 261508
49	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A14NE (E)	901	4	614522 261593
50	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 65.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A14NE (E)	904	4	614526 261590
51	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 388.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A17NE (NW)	948	4	612985 262078
52	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A14NE (E)	949	4	614593 261513
53	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 106.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A19SE (NE)	949	4	614523 261721
54	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 36.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A19SE (NE)	949	4	614529 261709
55	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 45.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A14NE (E)	952	4	614597 261513
56	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 79.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A19SE (NE)	965	4	614555 261690

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
57	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 17.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A14NE (E)	968	4	614583 261622
58	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 565.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A14NE (E)	969	4	614590 261607
59	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 318.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A19SE (NE)	997	4	614522 261825

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Suffolk County Council - Has supplied landfill data		0	5	613613 261293
	Local Authority Landfill Coverage Name: Mid Suffolk District Council - Has supplied landfill data		0	6	613613 261293

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Neogene To Quaternary Rocks (Undifferentiated)	A13NE (SE)	0	1	613613 261293
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (SE)	0	1	613613 261293
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (SE)	0	1	613613 261293
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (SE)	0	1	613613 261293
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (SE)	0	1	613613 261293
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (SE)	0	1	613613 261293
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (SE)	0	1	613613 261293
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NE (SE)	0	1	613613 261293
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NE (SE)	0	1	613613 261293

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
60	**Contemporary Trade Directory Entries** Name: Countrywise Pest Control Location: Montgomery Cottages, Mickfield, Stowmarket, Suffolk, IP14 5LS Classification: Pest & Vermin Control **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A13NW (N)	159	-	613570 261472
61	**Contemporary Trade Directory Entries** Name: Reeve & Co Location: Stonham Road, Mickfield, Stowmarket, Suffolk, IP14 5LS Classification: Furniture - Reproduction **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (S)	302	-	613609 260960
61	**Contemporary Trade Directory Entries** Name: Stonhams Automotive Location: Unit 2, Micklefield Business Park, Mickfield Road, Stonham Aspal, Stowmarket, Suffolk, IP14 5LT Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (S)	329	-	613614 260933
62	**Contemporary Trade Directory Entries** Name: J T Partnership Location: Red House Barn, Mickfield Road, Stonham Aspal, Stowmarket, Suffolk, IP14 5LT Classification: Cabinet Makers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	358	-	613541 260909
62	**Contemporary Trade Directory Entries** Name: J & T Partnership Location: Mickfield Road, Stonham Aspal, Stowmarket, Suffolk, IP14 5LT Classification: Furniture Manufacturers - Home & Office **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	361	-	613532 260907

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	**Nitrate Vulnerable Zones** Name: Deben Nvz Description: Surface Water Source: Environment Agency, Head Office	A13NE (N)	0	3	613613 261313
64	**Nitrate Vulnerable Zones** Name: Sandlings And Chelmsford Description: Groundwater Source: Environment Agency, Head Office	A13NE (SE)	0	3	613613 261293
65	**Nitrate Vulnerable Zones** Name: River Gipping Nvz Description: Surface Water Source: Environment Agency, Head Office	A13NE (SE)	0	3	613613 261293

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Mid Suffolk District Council - Environmental Health Department Environment Agency - Head Office	 January 2020 June 2020	 Annual Rolling Update Annually
Discharge Consents Environment Agency - Anglian Region	 October 2022	 Quarterly
Enforcement and Prohibition Notices Environment Agency - Anglian Region	 March 2013	
Integrated Pollution Controls Environment Agency - Anglian Region	 January 2009	
Integrated Pollution Prevention And Control Environment Agency - Anglian Region	 July 2022	 Quarterly
Local Authority Integrated Pollution Prevention And Control Mid Suffolk District Council - Environmental Health Department	 June 2014	 Variable
Local Authority Pollution Prevention and Controls Mid Suffolk District Council - Environmental Health Department	 June 2014	 Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Mid Suffolk District Council - Environmental Health Department	 June 2014	 Variable
Nearest Surface Water Feature Ordnance Survey	 September 2022	
Pollution Incidents to Controlled Waters Environment Agency - Anglian Region	 September 1999	
Prosecutions Relating to Authorised Processes Environment Agency - Anglian Region	 July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - Anglian Region	 March 2013	
Registered Radioactive Substances Environment Agency - Anglian Region	 June 2016	 As notified
River Quality Environment Agency - Head Office	 November 2001	 Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	 April 2012	
River Quality Chemistry Sampling Points Environment Agency - Head Office	 April 2012	
Substantiated Pollution Incident Register Environment Agency - Anglian Region - Eastern Area	 July 2022	 Quarterly
Water Abstractions Environment Agency - Anglian Region	 October 2022	 Quarterly
Water Industry Act Referrals Environment Agency - Anglian Region	 October 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	 June 2018	 As notified
Bedrock Aquifer Designations Environment Agency - Head Office	 January 2018	 Annually
Superficial Aquifer Designations Environment Agency - Head Office	 January 2018	 Annually
Source Protection Zones Environment Agency - Head Office	 September 2022	 Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	 August 2022	 Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	 August 2022	 Quarterly

Agency & Hydrological	Version	Update Cycle
Areas Benefiting from Flood Defences Environment Agency - Head Office	August 2022	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2022	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	October 2022	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified
Waste	**Version**	**Update Cycle**
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	April 2022	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Anglian Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Anglian Region - Eastern Area	October 2022	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Eastern Area	July 2022	Quarterly
Local Authority Landfill Coverage Mid Suffolk District Council - Environmental Health Department Suffolk County Council	February 2003 February 2003	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Mid Suffolk District Council - Environmental Health Department Suffolk County Council	October 2018 October 2018	
Registered Landfill Sites Environment Agency - Anglian Region - Eastern Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency - Anglian Region - Eastern Area	April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - Anglian Region - Eastern Area	June 2015	
Hazardous Substances	**Version**	**Update Cycle**
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	January 2022	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Suffolk County Council - Environment and Transport Mid Suffolk District Council - Planning Department	February 2006 February 2016	Annual Rolling Update Variable
Planning Hazardous Substance Consents Suffolk County Council - Environment and Transport Mid Suffolk District Council - Planning Department	February 2006 February 2016	Annual Rolling Update Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2022	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	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	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	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually
Industrial Land Use	**Version**	**Update Cycle**
Contemporary Trade Directory Entries Thomson Directories	October 2022	Quarterly
Fuel Station Entries Catalist Ltd - Experian	August 2022	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Underground Electrical Cables National Grid	May 2021	Bi-Annually

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt Mid Suffolk District Council - Planning Department	July 2022	Quarterly
Areas of Unadopted Green Belt Mid Suffolk District Council - Planning Department	July 2022	Quarterly
Areas of Outstanding Natural Beauty Natural England	August 2022	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2021	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	January 2021	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 June 2017	Bi-Annually
Ramsar Sites Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2021	Bi-Annually
Special Areas of Conservation Natural England	July 2020	Bi-Annually
Special Protection Areas Natural England	February 2021	Bi-Annually

Data Suppliers

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
4	**Ordnance Survey** Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	**Suffolk County Council** St Edmund House, County Hall, Ipswich, Suffolk, IP4 1LZ	Telephone: 01473 583000 Fax: 01473 230240 Website: www.suffolkcc.gov.uk
6	**Mid Suffolk District Council - Environmental Health Department** Council Offices, 131 High Street, Needham Market, Ipswich, Suffolk, IP6 8DL	Telephone: 01473 826622 Email: customer.services@baberghmidsuffolk.gov.uk Website: www.midsuffolk.gov.uk
7	**Natural England** County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.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.