# Cottam Solar Project

# EIA Scoping Report (Part 3 of 4)

Prepared by: Lanpro Services Ltd.

January 2023

PINS reference: EN010133 Document reference: APP/C6.3.2.1

APFP Regulation 5(2)(a)





## **Contents**

Appendix 10.1	Preliminary Geo-Environmental Risk Assessment Report	4
	for Cottam 1	



#### **Issue Sheet**

Report Prepared for: Cottam Solar Project Ltd.

EIA Scoping Report Submission

**Cottam Solar Project: EIA Scoping Report** 

Appendices (Part 2 of 3): Chapter 10 (Part A)

#### **Ground Conditions and Contamination**

#### Prepared by:

Name: Jane Crichton, MRTPI

Title: Associate Director

#### Approved by:

Name: Ian Douglass, MRTPI

Title: Director

Date: January 2022

Revision: 1



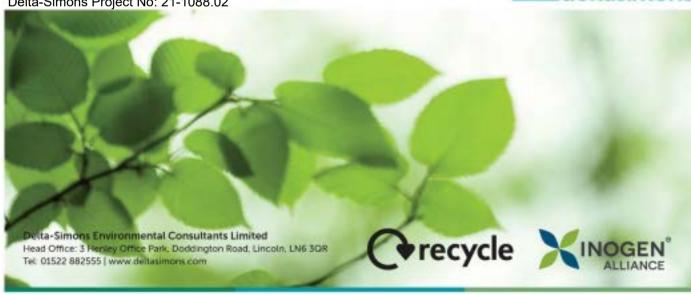
# Preliminary Geo-Environmental Risk Assessment **Cottam Solar Project – Cottam 1**

**Cottam Solar Project Limited** Presented to:

Issued: November 2021

Delta-Simons Project No: 21-1088.02





## Report Details

Client	Cottam Solar Project Limited
Report Title	Preliminary Geo-Environmental Risk Assessment
Site Address	Coats, Lincoln, Lincolnshire, LN1 2DW
Report No.	21-1088.02_REP_Cottam-Solar-Cottam-1_PRA_21-11-29
Delta-Simons Contact	Paul Huteson (

## **Quality Assurance**

Issue No.	Status	Issue Date	Comments	Author	Technical Review	Authorised
01	Final	29/11/2021	_			
	i iliai	25/11/2021	-	Jessica Rowe Senior Consultant	Paul Huteson Associate Director	Paul Bennett Unit Director

## **About Us**

Delta-Simons is a trusted, multidisciplinary environmental consultancy, focused on delivering the best possible project outcomes for customers. Specialising in Environment, Health & Safety and Sustainability, Delta-Simons provide support and advice within the property development, asset management, corporate and industrial markets. Operating from across the UK we employ over 180 environmental professionals, bringing experience from across the private consultancy and public sector markets.

As part of Lucion Services, our combined team of 500 in the UK has a range of specialist skill sets in over 50 environmental consultancy specialisms including asbestos, hazardous materials, ecology, air and water services, geo-environmental and sustainability amongst others.



Delta-Simons is proud to be a founder member of the Inogen Environmental Alliance, enabling us to efficiently deliver customer projects worldwide by calling upon over 5000 resources in our global network of consultants, each committed to providing superior EH&S and sustainability consulting expertise to our customers. Through Inogen we can offer our Clients more consultants, with more expertise in more countries than traditional multinational consultancy.

Delta-Simons is a 'Beyond Net-Zero' company. We have set a Science-Based Target to reduce our Scope 1 and Scope 2 carbon emissions in line with the Paris Agreement and are committed to reducing Scope 3 emissions from our supply chain. Every year we offset our residual emissions by 150% through verified carbon removal projects linked to the UN Sustainable Development Goals. Our consultancy services to you are climate positive.

If you would like support in understanding your carbon footprint and playing your part in tackling the global climate crisis, please get in touch with your Delta-Simons contact above who will be happy to help.



## **Table of Contents**

1.0	INTRODUCTION	1
1.1	Appointment	1
1.2	Context & Purpose.	
1.3	Scope of Works	1
1.4	Existing Information	1
1.5	Limitations	2
2.0	SITE CONTEXT & DATA REVIEW	3
2.1	Site Information	
2.2	Physical Setting	3
2.3	Sensitive Land Use	
2.4	Historical Use of the Site & Surrounding Area	
2.4.1	taran da antara da a	
2.4.2		
2.4.3		
2.5	Environmental Database Review	
2.6	Planning Review/Regulatory Enquiries	
3.0	CONCEPTUAL SITE MODEL	
3.1	Introduction	88
3.2	Potential Contamination Sources	88
3.3	Potential Pathways	
3.4	Potential Receptors	
4.0	CONCLUSIONS & RECOMMENDATIONS	11
4.1	Land Contamination Risks and Liabilities	11
4.2	Geotechnical Considerations	11
4.3	Recommendations and Development Constraints	12

#### **DRAWINGS**

Drawing 1 – Field References (A-G)

FIGURÉS

Figure 1 – Site Location Map

Figure 2 – Site Layout Plan

Figure 3 – Relevant Feature Plan

**APPENDICES** 

Appendix A – Limitations

Appendix B – Risk Definitions

Appendix C – Historical Maps

Appendix D – Landmark Envirocheck Report



### 1.0 Introduction

#### 1.1 Appointment

Delta-Simons Environmental Consultants Limited ("Delta-Simons") was instructed by Cottam Solar Project Limited (the "Client") to prepare a Preliminary (Geo-Environmental) Risk Assessment for parcels of land centred around Coats, Lincoln, Lincolnshire, LN1 2DW, hereafter referred to as 'Cottam 1' (the "Site"). A Site Location Map is included as Figure 1.

This Report was undertaken in accordance with Delta-Simon's fee proposal dated 20<sup>th</sup> October 2021. The standard limitations associated with this Assessment are presented in Appendix A.

#### 1.2 Context & Purpose

It is understood that the Site is proposed to be developed as a Solar Farm (Cottam Solar Project), however, no proposed development plans have been provided. It is anticipated that the majority of the Site will comprise ground mounted solar arrays with associated maintenance access routes and limited infrastructure such as sub-stations and battery storage.

The aim of this Report is to support the submission of a planning application for the proposed development.

To that end this study assesses the likely environmental issues associated with soil and groundwater conditions that may affect the proposed development of the Site. This Report is designed in general accordance with guidance on Land Contamination: Risk Management pages of the GOV.UK web pages, the relevant requirements of the National Planning Policy Framework (NPPF) (as revised 2021) (paragraphs 174 & 183-184)<sup>1</sup> and the Planning Practice Guidance (Land Affected by Contamination)<sup>2</sup>.

#### 1.3 Scope of Works

- A Review of the environmental setting of the Site, including the current use / status of the Site and surrounding area, and review of the geology, hydrogeology and hydrology;
- Review of the historical activities of the Site and surrounding area;
- Review of regulatory information relating to the Site;
- Review of the online planning records for the Site;
- Consult and review information from the Local Authority in relation to Part 2A of the 1990 Environmental Protection Act;
- Review online records of potential unexploded ordnance risks;
- ▲ Develop an outline Conceptual Site Model, and undertake a Preliminary Risk Assessment with respect to potential contamination focussed on the proposed land use; and
- Provide commentary on potential land contamination and geotechnical constraints in the context of the proposed development.

#### 1.4 Existing Information

The following information has been used within the Assessment:

- Current and Historical Ordnance Survey (OS) maps;
- British Geological Survey (BGS) data;
- ▲ Environment Agency (EA) online data;
- Coal Authority (CA) online data;
- ▲ A Landmark Envirocheck Report for the Site (Ref. 287330989\_1\_1), dated 4<sup>th</sup> November 2021;



<sup>&</sup>lt;sup>1</sup> https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\_data/file/1004408/NPPF\_JULY\_2021.pdf

<sup>&</sup>lt;sup>2</sup> https://www.gov.uk/guidance/land-affected-by-contamination

- ▲ Historical Maps included as part of the Envirocheck Report; and
- Information provided by West Lindsey District Council.

#### 1.5 Limitations

The standard limitations associated with this Assessment are presented in Appendix A. In addition, there are the following specific limitations that apply to this Assessment:

- ▲ No proposed development scheme has been provided, however, it is anticipated that the majority of the Site will comprise ground mounted solar panels with associated maintenance access routes and limited infrastructure such as sub-stations and battery storage; and
- A Site walkover has been undertaken as part of this assessment, however, given the scale of the Site it is not feasible to inspect all of the Site, although key areas have been inspected.



## 2.0 Site Context & Data Review

#### 2.1 Site Information

Co-ordinates	Centred at National Grid Reference 490330, 381530	Elevation	6 - 24 m AOD
		Area	888 Ha
Site Address and Location	The Site comprises a series of agricultural fields accordes, Lincoln, approximately 13 km north west Location Map is included as Figure 1.		
Site Description	The Site has been assessed through readily availal imagery and a Site Layout Plan is included as Figurepresentative undertook a Site walkover on 2 accessible areas. Pertinent entries noted or observand shown on Figure 3, with supporting photograph	re 2. In addit 4 <sup>th</sup> Novembo /ed on-Stie a	ion, a Delta-Simons er 2021 of readily
	Given the size and complexity of the study area, the series of field references (A to G), as shown on Figure		
	The Site consists a series of agricultural fields separand trees. There are three concrete slabs in the cer (Field C) and western (Field D) areas which appears of agricultural materials such as straw. The western boundary of Field D was in use for the state. The soil stockpiles were noted to comprise frage.	atral southern ear to have l concrete sto orage of num	(Field D), northern been in use for the trage area along the nerous stockpiles of
	The fields are accessed via existing farm tracks. A dwellings and woodland areas are encompassed northern areas.		
	Land drains are present across the Site and the Riv area of the Site in an approximate north-south or number of fields in the west.		
	An overhead electrical power line and associated pD and E in the southern and western area.	ylons are no	ted to dissect fields
	From readily available online data, the Site is indica 6 m AOD in the southern area (Field D) adjacent t AOD in the north (Field B) and is in accordance with	o Thorpe in t	the Fallows to 24 m
Description of Adjacent and Surrounding Land Uses	The Site is located within a predominantly rural area and east. The villages of Willlingham by Stow, Stu Stow are present to the west, Ingham to the east ar	irton by Stow	and Normanby by

## 2.2 Physical Setting

Published Geology	From the BGS Geology of Britain Online Viewer, the Site is indicated to be underlain by superficial Till (Diamicton), Alluvium (Clay, Silt, Sand and Gravel), Galciofluvial Deposits (Sand and Gravel) and River Terrace Deposits (Sand and Gravel). For ease, the mapped superficial geology for each field parcel is as follows;
	ease, the mapped superiicial geology for each field parcer is as follows,

- ▲ Field A Till across the majority of the area with Alluvium in the north west;
- ▲ Field B Till across the majority of the area with Alluvium in the east and west;



	▲ Field C — Till in the south and east with a band of Alluvium running though the central area in an east-west orientation. River Terrace Deposits may encroach along the south western boundary;
	▲ Field D – Till in the south and east with a band of Alluvium in the north east and running through the western area in a north-south orientation. Glacio-fluvial deposits are mapped in the more western area of the Site. No superficial deposits are mapped in portions of the western and eastern areas of Field D;
	▲ Field E – No superficial deposits are mapped across the majority of the area with Alluvium encroaching in the east and north;
	▲ Field F - No superficial deposits are mapped across the majority of the area with a band of Alluvium running through the centre in a south east to north west orientation; and
	▲ Field G - No superficial deposits are mapped across the majority of the area with River Terrace Deposits in the south east.
	The bedrock across the eastern area of the Site (Fields A, B, C, the majority of D and most eastern area of E) is mapped as the Charmouth Mudstone Formation. The western area (Fields F, G, majority of E and most western area of D) is mapped as the Scunthorpe Mudstone Formation (Mudstone and Limestone).
	Made Ground is anticipated in the three areas associated with the concrete storage areas, although is likely to be limited in thickness.
Site-Specific Geology	There are a series of BGS boreholes (Ref. SK98SW53 to SK98SW58) which transect the eastern area of Field D. The boreholes recorded a generalised sequence of brown clay to depths between approximately 3.00 m bgl and 7.5 m bgl underlain by blue clay with layers of stone/shale and hard bands to a maximum drilled depth of 30.48 m bgl. The superficial brown clays were noted to contain sand and gravel in some areas.
	There is a further borehole Ref. SK88SE11 located along the northern boundary of Field E in the western area. This borehole was undertaken to assess the presence of coal at depth, as such the borehole was drilled to 338 m bgl prior to logging. The geology at depth comprised interbedded limestone, mudstone and sandstone with coal bands below approximately 850 m bgl.
Aquifers and Groundwater	The EA classify the superficial Till as a Secondary Undifferentiated Aquifer and the Alluvium, Glaciofluvial and River Terrace Deposits as Secondary A Aquifers.
Receptors	The Charmouth Mudstone Formation is classified as a Secondary Undifferentiated Aquifer and the Scunthorpe Mudstone Formation is classified as a Secondary B Aquifer.
	The EA also indicate that the Site is not located within a Groundwater Source Protection Zone (SPZ).
	According to the Envirocheck® Report there are no licenced groundwater abstractions records within 500 m of the Site.
Hydrology	There are a series of unnamed land drains across the Site. The River Till is present in the western area of the Site and dissects or is present along the Site boundary along Fields D, E and F. According to the Envirocheck® Report the River Till was classified as River Quality C and D for sampling undertaken in 2000.
	According to the Envirocheck® Report there is a single licenced abstraction record from surface water within 500 m of the Site, located approximately 300 m north west relating to extraction for use in agricultural spray irrigation.



Mining & Quarrying	Reference to the Coal Authority on-line viewer indicates that the Site is not with a Coal Mining Reporting Area. Consequently, as such a Coal Mining Risk Assessment (CMRA) is not required under the planning regime.  There are no BGS Recorded Mineral Sites within 500 m of the Site.
Radon Gas	The Site lies within an area where less than 1% of homes are above the National Radiological Protection Board (NRPB) recommended "action level" for radon. BRE211 (2015) indicates that no radon protective measures are necessary in the construction of new buildings at the Site.
Agricultural Buried Waste	Legal burial of waste, including asbestos containing materials (ACM) for agriculture was banned in 2006.  Prior to that date it is understood farmers were required to make a record of waste burial locations and recommended use a clean cover of soil.  There are no known records of agricultural buried waste for this Site, but infilled ponds may represent a source of contamination.

#### 2.3 Sensitive Land Use

Ecological Receptors	It is understood from information provided within the Envirocheck Report that there are no statutory ecological receptors located within 500 m of the Site.
Heritage Interest	Historic England Records ( <u>historicengland.org.uk</u> ) indicate that there are two heritage interest sites located adjacent to and with 30 m of the southern boundary (Field D) associated with Thorpe Medieval Settlement and a Grade II listed building (Thorpe in the Fallows Farmhouse).

#### 2.4 Historical Use of the Site & Surrounding Area

#### 2.4.1 Approach

The historical development of the Site and surrounding area has been assessed through a review of historical maps, aerial photographs and Google Earth historical satellite imagery. A summary of the key historical Site uses and developments in the surrounding area is presented below. Copies of selected historical maps are included as Appendix C.

#### 2.4.2 Historical Information Review

The following table provides a review of the historical information for the Site, adjacent and surrounding area.

Historical Features On-Site	Field A  Field A remains undeveloped and in agricultural use from the earliest map edition dated 1885 until present. A small pond is mapped in the central area of the field until no longer shown on aerial imagery dated 1999 and is assumed infilled.
	<u>Field B</u>
	Field B remains undeveloped and in agricultural use from the earliest map edition dated 1885 until present. A small pond is mapped in the central area of the field until from 1885 until 1974 and assumed infilled.
	Field C
	From the earliest map edition dated 1885 Field C comprises a series of agricultural fields with a footpath crossing the eastern area. By the 1907 map edition two wells are mapped in the western and central areas. The wells are no longer mapped by



the 1947 and 1979 map editions, respectively. The concrete storage area is also shown in the western area by the 1979 map edition. No further alterations are noted.

#### Field D

From the earliest map edition dated 1885 Field D is largely in agricultural use with the exception of three discreet developed areas in the north western area of the Site. In addition, three ponds are also mapped in the north western area. By the 1907 map edition a well is noted adjacent to the development along the western boundary. The buildings and ponds are no longer shown and assumed demolished or infilled by the 1979 and 1981 map editions. After this time, two areas are shown as agricultural land and the central area along the western boundary is retained as a storage area. No further alterations are noted.

#### Field E

Field E remains undeveloped and in agricultural use with the River Till running through the northern area from the earliest map edition dated 1885 until present.

#### Field F

Field F remains undeveloped and in agricultural use with the River Till turning through the central area from the south east corner to the north west from the earliest map edition dated 1885 until present.

#### Field G

From the earliest map edition dated 1885 Field G comprises a series of agricultural fields with a dissecting the eastern area and four ponds in the southern and northern areas. No changes are noted until the 1981 map edition where the ponds are no longer mapped and assumed infilled. No further alterations are noted.

#### Potentially Contaminative Historical Features Off-Site

Potential sources of contamination located within 250 m are limited to farmyards in the immediate area and the infilling of a series of ponds directly adjacent to the southern boundary of Field D, noted by the 1979 map edition.

#### 2.4.3 Unexploded Ordnance (UXO)

The Zetica Regional Unexploded Bomb Risk Map for the area of the Site (<u>zeticauxo.com</u>) indicates a low risk from unexploded ordnance at the Site.

#### 2.5 Environmental Database Review

The Landmark Envirocheck® Report provides a database of environmental information held by various statutory bodies including the EA, Local Authority (LA), Health & Safety Executive (HSE) and Public Health England amongst others. A copy of the Envirocheck Report is provided in Appendix D and the most relevant information is summarised below.

Features On-Site	The Landmark Envirocheck® Report lists the following entries for the Site;		
	▲ Two Discharge Consents in the south central and eastern area of Field D relating to the discharge of trade effluent into a tributary of the River Till. Both permits were issued in March 1969 and revoked in February 1992. Given the time elapsed are not considered significant; and		
	▲ An area of Potentially infilled land (water) located in the central area of Field D.		
Potentially Contaminative	Pertinent entries included within the Landmark Envirocheck® Report, located within 250 m of the Site, include the following:		
Features Off-Site	▲ Five Discharge Consents, the closest of which is located approximately 55 m south east relating to the discharge of final/treated effluent into a tributary of the		



River Till. The permit was issued and revoked in March 1969 as is not considered significant;
▲ Two Pollution Incidents to Controlled Waters, the closest of which is located approximately 80 m north west of Field A and relates to the discharge of chlorinated water into a freshwater stream, classified as a Category 1 − Major incident dated April 1994. Given the time elapsed since the incident, the risk is considered very low;
▲ Four areas of Potentially infilled land (water) located within 210 m of the southern boundary (Field D); and
▲ Three Manufacturing and Production Points of interest, the closest of which is locate approximately 10 m south east relating to livestock farming. The two further entries are located approximately 15 m and 50 m south of Field A relating to tanks. These tanks are considered to relate to the adjacent farmyard.
There are no BGS, EA or Historical Landfill Sites within 500 m of the Site.

## 2.6 Planning Review/Regulatory Enquiries

On-line Planning Review	West Lindsey District Council	Date Accessed	09/11/2021
Findings	There are no planning applications relating to the Site.		
	No additional potentially contaminative activities or other information pertinent to this assessment was identified from the historical planning records.		



## 3.0 Conceptual Site Model

#### 3.1 Introduction

A Conceptual Site Model (CSM) represents the relationships between contaminant sources, pathways and receptors, to support the identification and assessment of contaminant linkages.

#### 3.2 Potential Contamination Sources

Identified potential contamination sources are presented in the following table:

Reference	Source	Location	Dates Present	Potential Associated Contaminants of Concern
S1	Agricultural use including small scale fuel spills/leaks from machinery	Site-wide	Pre 1885 to present	Heavy metals and hydrocarbon compounds
S2	Made Ground associated with small scale construction and demolition	North-western area of Field D	Pre 1885 to present	Asbestos, heavy metals, hydrocarbon compounds and hazardous ground gas
S3	Potentially infilled ponds	Central area of Fields A and B, north western area of Field D and north and south areas of Field G	1981 to present	Asbestos, heavy metals, hydrocarbon compounds and hazardous ground gas
S4	Potential for buried asbestos waste	Site-wide	Pre 2006 to present	Asbestos
S5	Off-Site infilled ponds	Within 210 m of southern boundary (Field D)	1979 to present	Hazardous ground gas
S6	Unrecorded on and off-Site sources	Unknown	Unknown	Asbestos, heavy metals, hydrocarbon compounds and hazardous ground gas

#### 3.3 Potential Pathways

The potential pathways are considered to be as follows:

- ▲ Direct contact, ingestion or inhalation of soil bound contaminants / dust during or following redevelopment.
- Inhalation of organic vapours associated with contamination.
- ▲ Migration of ground gas / vapours into on-Site buildings causing asphyxiation or risk of explosion.
- ▲ Leaching of contamination into groundwater followed by migration of groundwater to the wider groundwater environment or discharge to surface waters.
- ▲ Direct contact between aggressive ground conditions and new infrastructure.

#### 3.4 Potential Receptors

Relevant potential receptors are considered to include:



- Construction workers.
- ▲ Third parties during construction (adjacent Site users and adjacent residents).
- Future Site users including maintenance workers.
- Controlled waters including land drains and the River Till.
- ▲ The underlying Secondary A, Secondary B and Secondary Undifferentiated Aquifers.
- ▲ The Built Environment (new buildings and infrastructure / utilities).



Source	Pathway(s)	Receptor(s)	Risk Ratings	Justification & Mitigation (if required)
	Direct contact/ ingestion and inhalation of dust, vapours and asbestos fibres.	Future Site users.  Groundworkers during the redevelopment or during any sub- surface maintenance works.	Very Low Risk	Limited potential sources of contamination have been identified at the Site associated with the Sites former agricultural use and development in the north western area of Field D. Given the very low sensitivity end use comprising a solar farm the risk to future Site users is considered very low. No further works are considered to be required.  A 'hotspot' protocol should be in place during the redevelopment for ground workers to act upon should suspected contamination be identified.  Groundworkers should use appropriate personal protective equipment (PPE), including respiratory protective equipment (RPE), if required and maintain good standards of hygiene to be protected from any soil contamination which may be present.
Sources Identified in Section 3.2.	Leaching of contamination into groundwater.  Vertical and lateral migration of contamination through permeable deposits below the Site.	Controlled waters.	Very Low Risk	No significant potential sources have been identified and there are no licensed groundwater abstraction records for potable water within 500 m of the Site, as such, the risk to controlled waters is considered very low.
	Direct contact.	Buried infrastructure.	Low Risk	Sulphates within the ground have the potential to attached buried infrastructure. Based on the anticipated natural clay soils at the Site, the risk is considered low, however it would be prudent to assess the sulphate class of the soils at the time of any geotechnical investigation.  It is considered unlikely that new potable supply pipes are required.
Hazardous ground gas (Potential on and off-Site infilled ponds).	Accumulation of gas in enclosed spaces and subfloor voids.	Buildings and future Site users.	Very Low Risk	Limited sources of ground gas have been identified at the Site associated with potentially infilled ponds in Field A, B, D and G. Given the underlying cohesive clay geology the risk from off-Site infilled ponds is considered very low.  Given the very low sensitivity end use comprising a solar farm with limited infrastructure comprising battery storage and sub-stations, the potential for hazardous ground gas to accumulate is consider very low as such no further assessment is required.



## 4.0 Conclusions & Recommendations

#### 4.1 Land Contamination Risks and Liabilities

Soils	Given the very low sensitivity end use comprising a solar farm the risk to future Site users is considered very low and no further assessment is required.	
Groundwater	No significant potential sources have been identified and there are no licensed groundwater abstraction records for potable water within 500 m of the Site, as such, the risk to controlled waters is considered very low.	
Ground Gas	Limited sources of ground gas have been identified at the Site associated with potentially infilled ponds in Field A, B, D and G. Given the underlying cohesive clay geology the risk from off-Site infilled ponds is considered very low.	
	Given the very low sensitivity end use comprising a solar farm with limited infrastructure comprising battery storage and sub-stations, the potential for hazardous ground gas to accumulate is consider very low, however, given no proposed development plans have been provided the risk should be re-assessed following determination of the layout. Should buildings be proposed in this area of the Site a limited investigation should be undertaken to assess the potential for hazardous ground gas generation and requirement for any ground gas protection measures.	
Building Fabric & Services	Aggressive ground chemistry may attack buried concrete and therefore there may be a requirement for protection measures to be put in place at the Site.	
Materials Management  Earthworks will need to be undertaken under a Materials Management (MMP) in accordance with the CL:AIRE Code of Practice to facilitate the of these materials. The Contractor shall be responsible for the preparation MMP and obtaining appropriate sign off from a Qualified Person prior commencement of earthworks.		
Potential Contaminated Land Development Risks	Widespread contamination is considered unlikely and the preliminary risk assessment has identified a <b>very low to low</b> risk of soil/groundwater contamination and hazardous ground gas at the Site.	

#### 4.2 Geotechnical Considerations

Uncertainty and Data Gaps	This assessment is based on desk study information only. No Site-specific ground investigation data has made available for review.
Preliminary Ground Model	Based on the available information, it is anticipated that the Site is likely underlain by a sequence of Topsoil underlain by varying superficial Till, Alluvium, River Terrace and Glaciofluvial Deposits. The bedrock is mapped as the Charmouth and Scunthorpe Mudstone Formations.
	The superficial Till in the eastern area of the Site is anticipated to be between 3.0 and 7.0 m in thickness.
	Given the presence of a land drains and the River Till groundwater is expected to be shallow or perched.
Plausible Geo-Hazards	The geohazards listed below have been identified to follow guidance presented in the HE document CD622 'Managing Geotechnical Risk' (2019) which aims to identify and manage the geotechnical risks associated with a scheme throughout its lifespan, from planning to construction to maintenance.



The following geohazards are considered to be substantial ground related risks associated with the proposed development. A substantial risk is defined by Delta-Simons in Appendix B.

- Potential for Made Ground associated with potentially infilled ponds and historically developed areas in the north western area of Field D only. Made Ground is typically variable in nature and strength with a potentially low bearing capacity and unacceptable levels of total/differential settlement may occur;
- ▲ Potential soft, variable and compressible superficial Alluvial deposits which have potentially low bearing capacity and unacceptable levels of total/differential settlement may occur; and
- Possible shrink/swelling of clay due to trees bordering the Site and along field boundaries.

#### 4.3 Recommendations and Development Constraints

#### Recommendations

The following recommendations and development abnormals area considered appropriate;

- ▲ A geotechnical Site investigation to assess in-situ geotechnical soil strength testing / laboratory testing and CBRs, in order to inform proposed foundation/roadway design;
- A hotspot protocol should be put in place for groundworks to act upon should potential contamination be identified; and
- ▲ Subject to the proposed development scheme a Materials Management Plan (MMP) may be required in accordance with regulatory protocols during redevelopment.



# Drawings



# Drawing 1 – Field References (A-G)











# **Figures**



# Figure 1 – Site Location Map



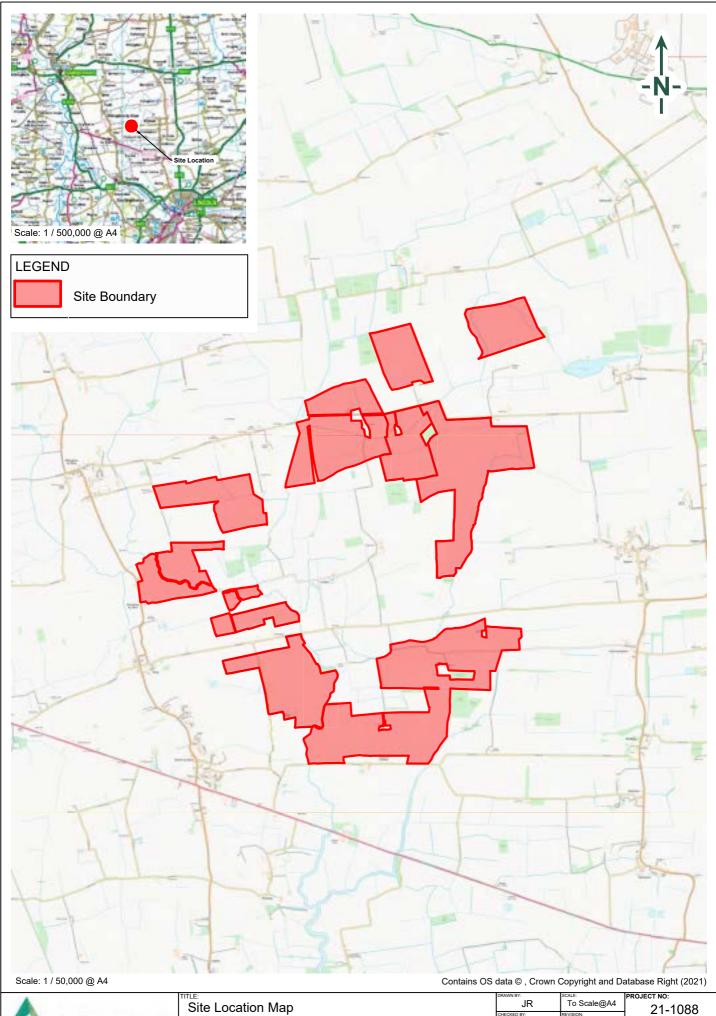


FIGURE NO:

# Figure 2 – Site Layout Plan







Site Layout Plan
Cottam Solar Project
Cottam 1

DRAWN BY:	SCALE:	PROJECT NO:
JR	Not to Scale	21-10
CHECKED BY:	REVISION:	
PH	1	FIGURE NO:
DATE: 8th Nove		
l our nove	· · · · · · · ·	

21-1088.02

2

# Figure 3 – Relevant Feature Plan





PH02: Concrete storage area in west



PH03: View across southern area of Field D





PH04: View across northern area



PH05: View across northern area



PH06: View across southern area of Field D



COMMENTS: There is uncertainty as unrecorded land use may have occurred and caused contamination that has not been identified by the observations.



Relevant Features Plan Cottam Solar Project Cottam 1

DRAWN BY:	SCALE:	
JR	NTS	
CHECKED BY:	REVISION:	
PH	1	

21-1098.02 FIGURE NO:

DATE: 26<sup>th</sup> November 2021

3

# **Appendices**



# Appendix A – Limitations



#### Limitations

This Report was prepared by Delta-Simons Environmental Consultants Ltd (Delta-Simons) for the sole and exclusive use of the Client and for the specific purpose for which Delta-Simons was instructed. Nothing contained in this Report shall be construed to give any rights or benefits to anyone other than the Client and Delta-Simons, and all duties and responsibilities undertaken are for the sole and exclusive benefit of the Client and not for the benefit of any other party. Delta-Simons does not intend, without its written consent through a formal letter of reliance or warranty, for this Report to be disseminated to any party other than the named Client or to be used or relied upon by any party other than the named Client. Use of the Report by any other party is unauthorised and such use is at the sole risk of the user. Any party using or relying upon this Report, other than the Client, agrees by virtue of its use to indemnify and hold harmless Delta-Simons from and against all claims, losses and damages (of whatsoever nature and howsoever or whensoever arising), arising out of or resulting from the performance of the work by Delta-Simons. Unless explicitly agreed otherwise, in writing, this Report has been prepared under Delta-Simons' Standard Terms and Conditions as included within our proposal to the Client.

The recommendations contained within this Report represent Delta-Simons professional opinions, based upon the information detailed within the Report, exercising the reasonable skill and care to be expected of a professional consultant holding itself out as having the competence, experience and resources necessary for the purpose of carrying out similar work in scope and character to the services performed. The Report needs to be considered in the light of the proposal and associated limitations of scope. The Report needs to be read and considered in full and isolated sections cannot be used without full reference to other elements of the report and any previous works referenced within the Report.

Where Delta-Simons has obtained, reviewed and evaluated information in preparing this Report from the Client and others and Delta-Simons conclusions, opinions and recommendations has been reasonably determined using this information, Delta-Simons does not warrant the accuracy of the third-party information provided to it and cannot be responsible for any opinions which Delta-Simons has expressed, or conclusions which it has reached in reliance upon information which is subsequently proven to be inaccurate.

Site surveys document the conditions encountered at the time of survey only and conditions may change due to natural processes or human intervention. As such, surveys represent an assessment at a specific point in time and Delta-Simons cannot be responsible for adverse conditions which arise or become apparent after the time of the survey or for conditions which sit outside the scope for which the survey or Report was commissioned.

Where intrusive investigations have been completed, information, comments and opinions given in this report are based on the ground conditions encountered during the site work period and on the results of laboratory and field tests performed during the investigation. Ground conditions are inherently variable such that no investigation can be exhaustive to the extent that all adverse conditions are revealed. Conditions may therefore be present beneath the site that were not apparent in the data reviewed or obtained as part of this assessment. It should be noted that groundwater levels vary due to seasonal and other effects and may at times differ to those measured during the investigation. Delta-Simons does not warrant or guarantee that the Site is free of hazardous or potentially hazardous materials or conditions. Where risk assessment is undertaken, this is based upon the standards, guidance and common practice at the time of the assessment and Delta-Simons cannot be responsible for conditions which become apparent following changes in guidance or practice or advancements in scientific knowledge which change the position in relation to assessment of risk.

No aspect of this Report constitutes a design. Where this information is used in design, the designer should verify the information has been used appropriately.

Where budgets are prepared and presented within the Report, these are for information only to indicate the likely magnitude of a cost and do not represent an invitation to treat for the works. All budgets and programmes presented should be reviewed and verified by appropriately qualified and experienced independent Project Managers and Cost Consultants.



# Appendix B – Risk Definitions



#### Contaminated Land Risk Definitions

The following methodology is based on the methodology presented in CIRIA C552 Contaminated Land Risk Assessment: A Guide to Good Practice 2001. It requires the classification of the:

Magnitude of the potential consequence (severity) of the Risk occurring: and

Magnitude of the Probability (likelihood) of the Risk occurring.

The classifications are then compared to indicate the risk presented by each pollutant linkage.

#### **Consequence to Receptor Definition Matrix**

	Human Health	Controlled Waters	Buildings/Services
Severe Consequence	Acute or chronic permanent impact on human health.	Sensitive controlled water pollution ongoing, or just about to occur.	Catastrophic collapse
	Chronic permanent impact on human health	Gradual pollution of sensitive controlled water	Degradation of materials
IIVIIIA CANSANIIANCA	Chronic temporary impact on human health	Gradual pollution of non-	Damage to building rendering it unsafe.to occupy (e.g. foundation damage resulting in instability).
Minor Consequence	Non-permanent health effects to human health (easily prevented by means such as personal protective clothing etc).	Slight discoloration of water	Easily repairable effects of damage to buildings, structures and services, i.e. discoloration of concrete

#### **Probability Definitions**

Probability	Definition in Context
Higher	There is a pollution linkage and an event that either appears very likely in the short term and almost inevitable over the long term, or there is evidence at the receptor of harm or pollution.  Positive evidence of source, pathway and receptor.
Likely	There is a pollution linkage and all the elements are present and in the right place, which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term.  Suspect source, pathway, and receptor
Low Likelihood	There is a pollution linkage and circumstances are possible under which an event could occur.  However, it is by no means certain that even over a longer period such event would take place, and is less likely in the shorter term.
Unlikely	There is a pollution linkage but circumstances are such that it is improbable that an event would occur even in the very long term.  No evidence of hazard, pathway, and receptor



#### **Standard Risk Matrix**

		Consequence/Magnitude of impact					
		Severe Medium Mild					
Probability	High	Very High	High	Moderate	Moderate/Low		
	Likely	High	Moderate	Moderate/low	Low		
	Low Likelihood	Moderate	Moderate/low	Low	Very Low		
_	Unlikely	Moderate/low	Low	Very Low	Very Low		

#### Classified risks and likely action

Significance Level	Definition/Comments
	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.
Very High Risk	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.
	Demonstrable contaminated land situation, highest threat & liability level, urgent action recommended.
	Harm is likely to arise to a designated receptor from an identified hazard.
High Risk	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 longer term.
	Likely contaminated land situation, risk assessment and action recommended.
	It is possible that harm could arise to a designated receptor from an identified hazard. However, if is either 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.
Moderate	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.
	Plausible contaminated land situation, risk assessment and possible action recommended.
Low Risk	It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realised, would at worst normally be mild.
	Unlikely contaminated land situation, possible risk assessment and possible action.
Very Low Risk	There is a low possibility that harm could arise to a receptor. In the event of such harm being realised it is not likely to be severe.
	Negligible risk, no action recommended except vigilance for changes in conditions.



#### Geotechnical Risk Classification

The geohazards listed in the report within Section 4 follow guidance presented in Clayton, C.R.I. (2001) *Managing Geotechnical Risk*, Thomas Telford and the Highways Agency document CD622 '*Managing Geotechnical Risk*' (2008) which aims to identify and manage the geotechnical risks associated with a scheme throughout its lifespan, from planning to construction to maintenance.

For each geohazard the probability of the hazard occurring (P) has been considered together with the impact it would have (I) if it were to happen to calculate the risk rating between 1 and 25.

Risks that fall within Moderate, Significant and Severe categories below are considered to be **substantial** and are therefore listed within the report.

Probability	(P)	
Very Likely (VLk)	5	
Likely (Lk)	4	
Plausible (P)	3	
Unlikely (U)	2	
Very Unlikely (VU)	1	

Impact	<b>(I)</b>	
Very High (VH)	5	
High (H)	4	=
Medium (M)	3	
Low (L)	2	
Very Low (VL)	1	

(R)	Risk
20 – 25	Severe
15 – 19	Substantial
10 – 14	Moderate
5 – 9	Minor
1 – 4	Negligible



# Appendix C – Historical Maps



# Gravel Pit Other Orchard Mixed Wood Deciduous Brushwood Furze Rough Pasture Arrow denotes Trigonometrical flow of water Station Site of Antiquities Bench Mark Pump, Guide Post, Well, Spring, Signal Post **Boundary Post** ·285 Surface Level Sketched Instrumental Contour Contour Fenced Main Roads Minor Roads Un-Fenced Raised Road Sunken Road Railway over Road over Railway Ri∨er Railway over Level Crossing Road Road over Road over Road over County Boundary (Geographical) County & Civil Parish Boundary Administrative County & Civil Parish Boundary County Borough Boundary (England) Co. Boro. Bdy. County Burgh Boundary (Scotland) Rural District Boundary R.D. Bdy.

····· Civil Parish Boundary

**Ordnance Survey County Series 1:10,560** 

### Ordnance Survey Plan 1:10,000

Emm	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
1:0:0:0:0	Refuse or Slag Heap		Lake, Loch or Pond
	. Dunes		Boulders
* * *	Coniferous Trees	4	Non-Coniferous Trees
<b>φ</b> φ	Orchard no.	Scrub	∖Y₁v Coppice
ជ ជ	Bracken	Heath '	тт,,, Rough Grassland
<u> ۱۱٬۲۰۰</u>	MarshV///	Reeds	<u> 그 1</u> Saltings
	Direct	tion of Flow of	Water
*******	Building	15	Shingle
		<i>x</i> // <i>f</i>	
1821	Olb	*//	Sand
	Glasshouse		
		Pylon	Electricity
- <del> </del>	Sloping Masonry		Transmission
	Cloping Mason y	Pole	Line
		• -	_
Cutting	Embankme	ent 	Standard Gauge
***			
	////	\\	Standard Gauge
Road'' Under	'  ''' Road // Leve Over Crossi	el ∖∖ Foot ing Bridge	Single Track
			Siding, Tramway or Mineral Line
<del></del>			
	Geographical Cou	unty	
	Administrative Co or County of City		Borough
	Municipal Boroug Burgh or District		ural District,
	Shown only when no		
	Civil Parish Shown alternately wi	hen coincidence	of boundaries occurs
BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC BL	Public Convenience
F E Sta FB	Fire Engine Station Foot Bridge	PH SB	Public House Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	тсв	Telephone Call Box
MD	Mile Doot	TCD	Tolonhone Call Boot

Mile Post

Telephone Call Post

# 1:10,000 Raster Mapping

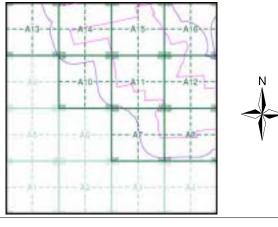
Gravel Pit	0250	Refuse tip or slag heap
Rock		Rock (scattered)
Boulders	·.· · ,	Boulders (scattered)
Shingle	Wed	Mud
Sand	(THE)	Sand Pit
Slopes	17777777777777777777777777777777777777	Top of cliff
General detail		Underground detail
Overhead detail	++++++++	Narrow gauge railway
Multi-track	_	Single track railway
		Civil, parish or
(England only)	• • • • • • •	community
Metropolitan, Lendon Berough boundary		Constituency boundary
Area of wooded vegetation	00 00	Non-coniferous trees
Non-coniferous trees (scattered)	** **	Coniferous trees
Coniferous trees (scattered)	ଳ	Positioned tree
Orchard	4 8	Coppice or Osiers
Rough Grassland	_Who	Heath
Scrub	26.	Marsh, Salt Marsh or Reeds
Water feature	-	Flow arrows
Mean high water (springs)	MLW(S)	Mean low water (springs)
Telephone line (where shown)		Electricity transmission line (with poles)
Bench mark (where shown)	Δ	Triangulation station
Point feature (e.g. Guide Post or Mile Stone)	$\boxtimes$	Pylon, flare stack or lighting tower
Site of (antiquity)		Glasshouse
General Building		Important Building
	Rock  Boulders  Shingle  Sand  Slopes  General detail  Overhead detail  Multi-track railway  County boundary (England only) District, Unitary, Metropolitan, London Borough boundary  Area of wooded vegetation  Non-coniferous trees (scattered)  Coniferous trees (scattered)  Orchard  Rough Grassland  Scrub  Water feature  Mean high water (springs)  Telephone line (where shown) Point feature (e.g. Guide Post or Mile Stone)  Site of (antiquity)	Boulders  Shingle  Sand  Slopes  General detail  Overhead detail  Multi-track railway  County boundary (England only)  District, Unitary, Metropolitan, London Borough boundary  Area of wooded vegetation  Non-coniferous trees (scattered)  Coniferous trees (scattered)  Orchard  Rough Grassland  Scrub  Water feature  Mean high water (springs)  Telephone line (where shown)  Bench mark (where shown)  Point feature (e.g. Guide Post or Mile Stone)  Site of (antiquity)



# **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:10,560	1885	2
Lincolnshire	1:10,560	1907	3
Lincolnshire	1:10,560	1907	4
Lincolnshire	1:10,560	1947	5
Ordnance Survey Plan	1:10,000	1956	6
Ordnance Survey Plan	1:10,000	1976 - 1979	7
Ordnance Survey Plan	1:10,000	1981	8
10K Raster Mapping	1:10,000	2000	9
10K Raster Mapping	1:10,000	2006	10
VectorMap Local	1:10,000	2021	11

### **Historical Map - Slice A**



884.45

250

#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 490330, 381530
Slice: A

ice: te Area (Ha):

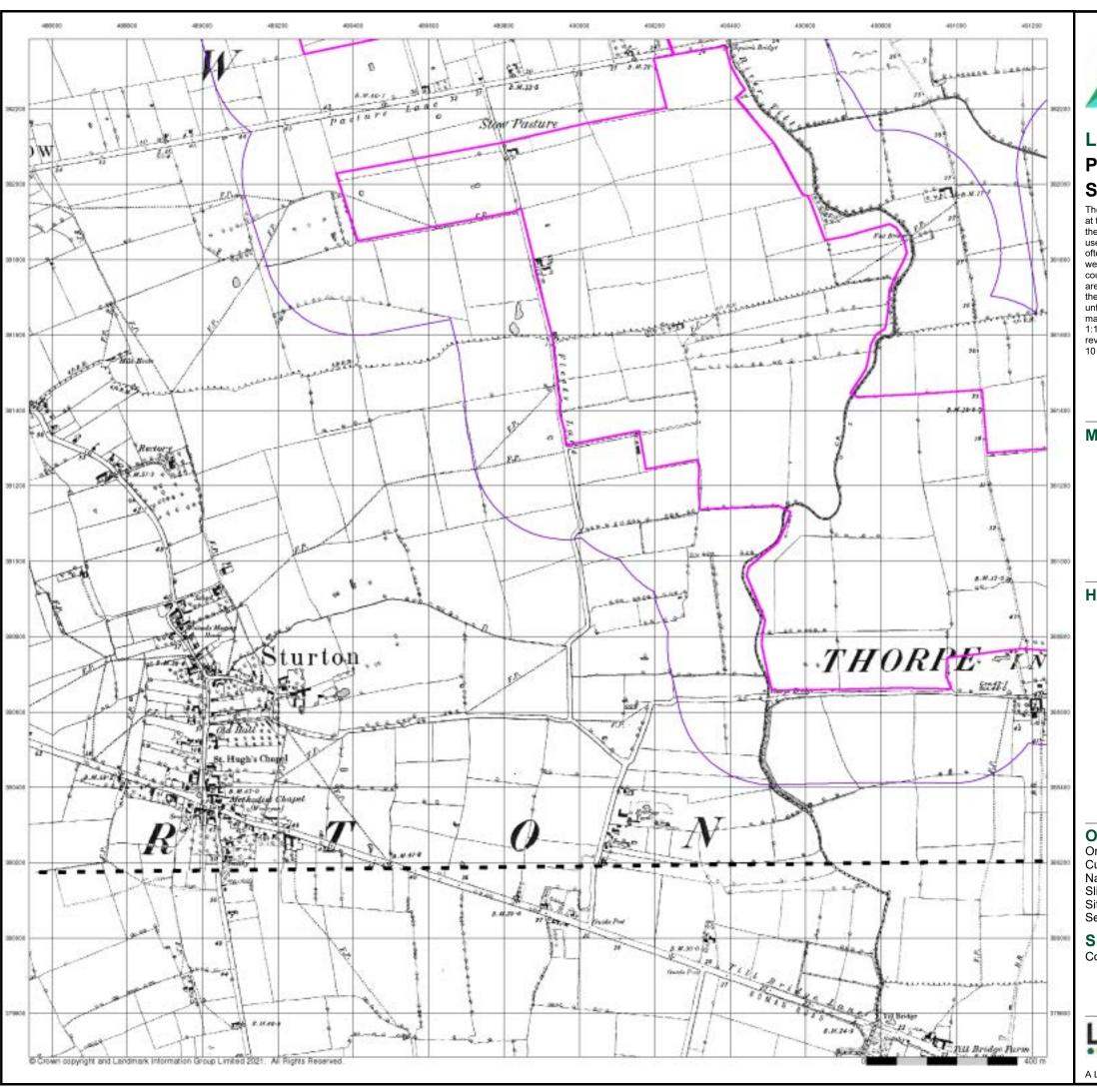
Site Area (Ha): Search Buffer (m):

Site Details
Cottam 1

Landmark

el: ax: /eb: 0844 844 9952 0844 844 9951

A Landmark Information Group Service v50.0 04-Nov-2021 Page 1 of 11



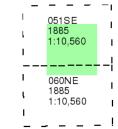


# Lincolnshire **Published 1885**

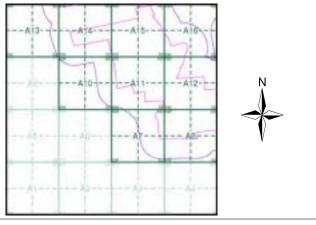
# Source map scale - 1:10,560

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: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 490330, 381530

Slice:

Site Area (Ha): Search Buffer (m): 884.45

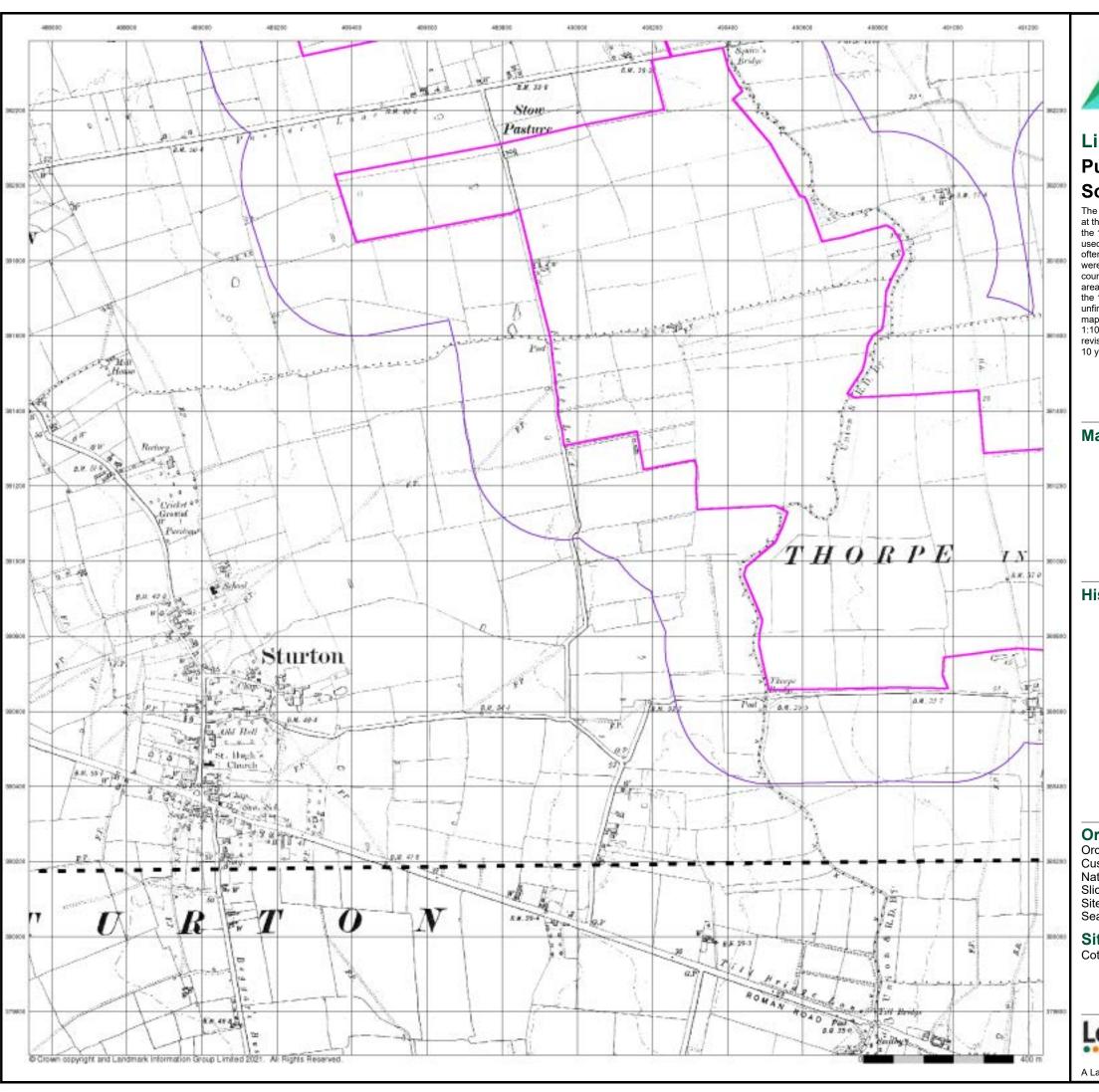
# **Site Details**

Cottam 1



0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021 Page 2 of 11

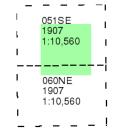




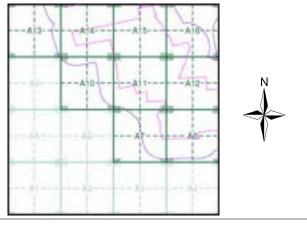
# Lincolnshire Published 1907 Source map scale - 1:10,560

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: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 490330, 381530 Slice:

Site Area (Ha): Search Buffer (m): 884.45

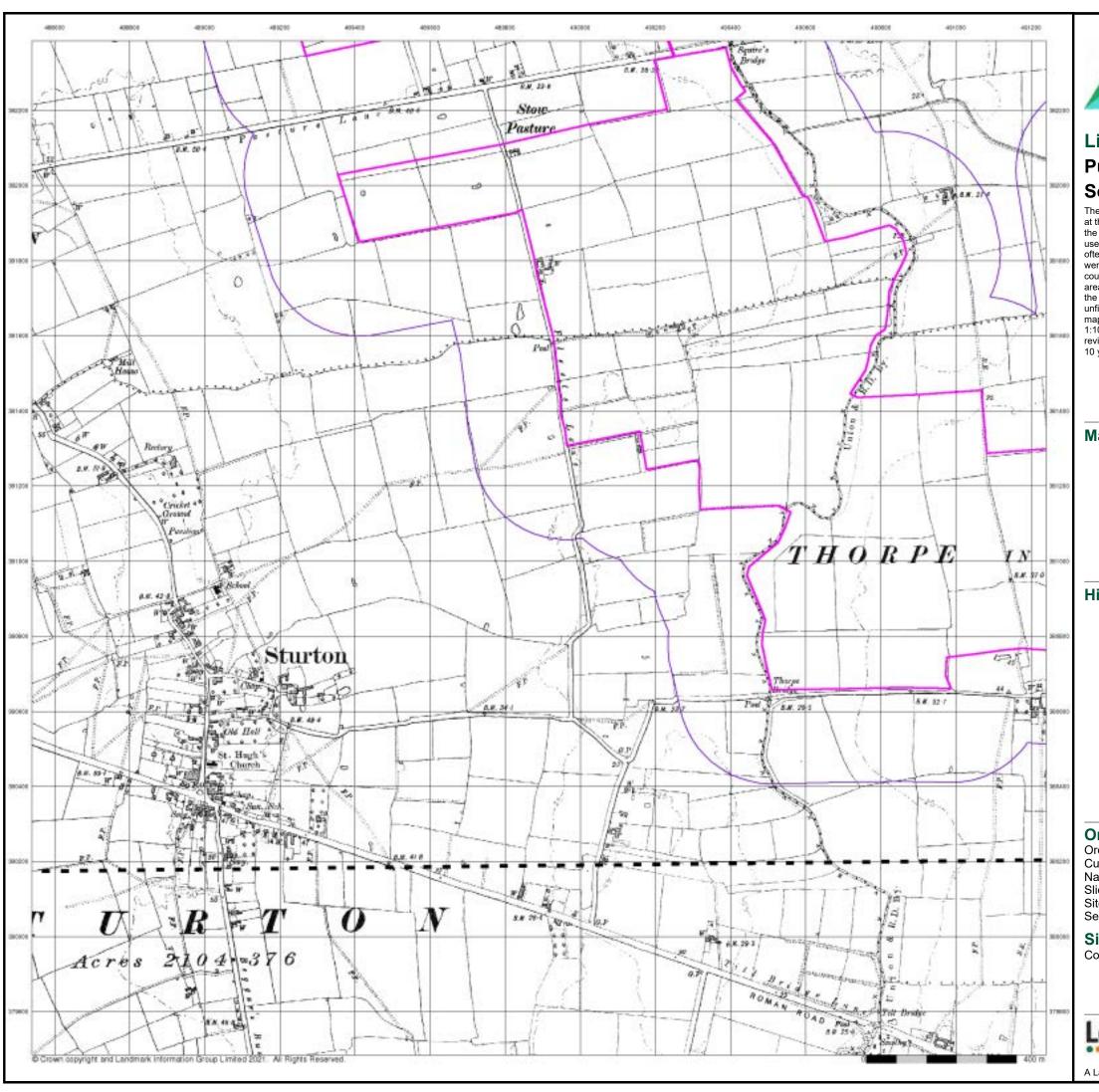
# **Site Details**

Cottam 1



0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021 Page 3 of 11



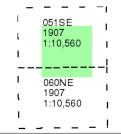


# Lincolnshire Published 1907

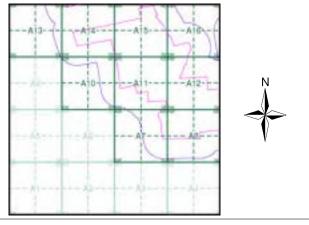
# Source map scale - 1:10,560

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: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 490330, 381530

Slice:

Site Area (Ha): 884.45 Search Buffer (m): 250

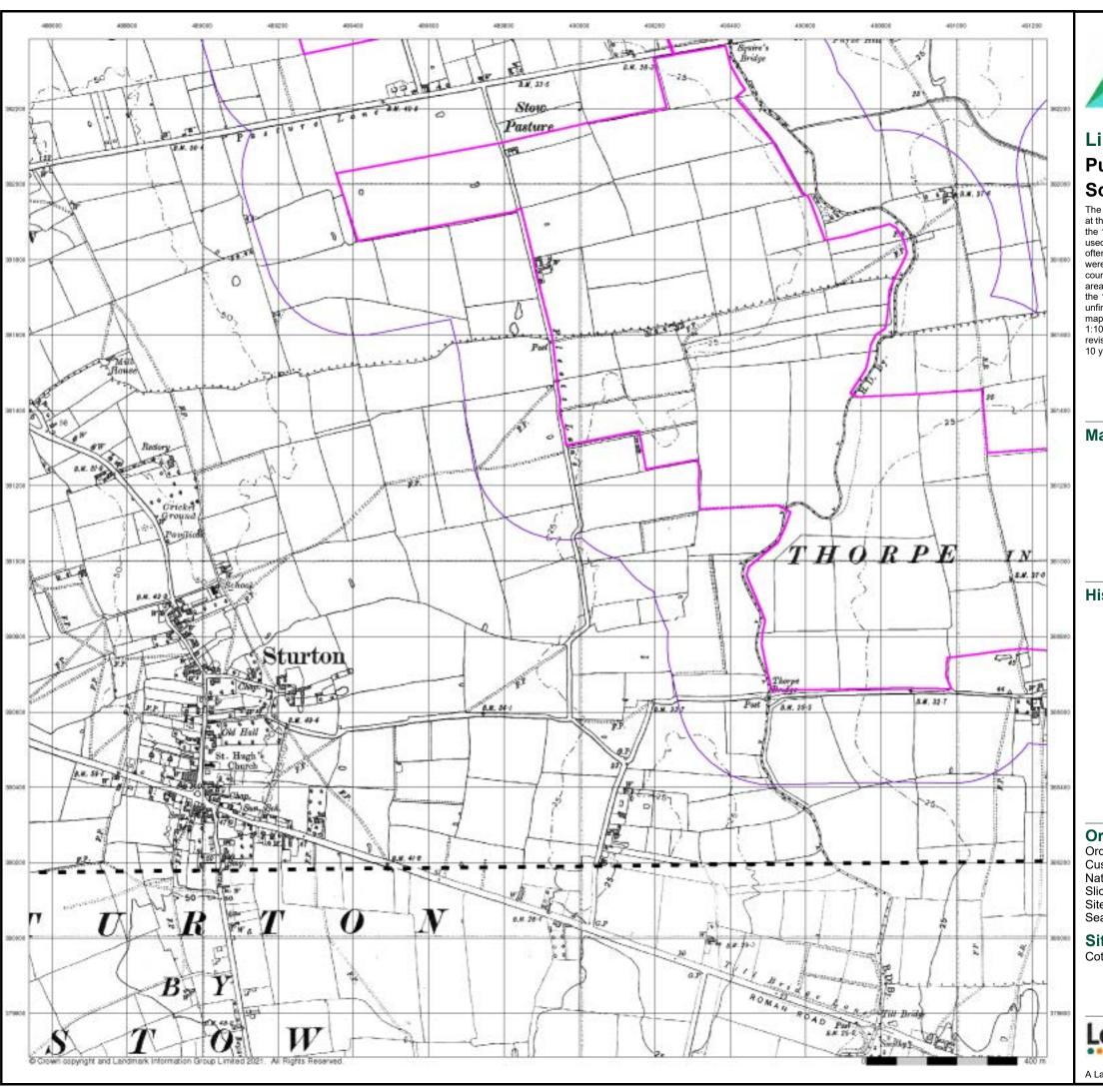
# **Site Details**

Cottam 1



Tel: Fax: Web: 0844 844 9952 0844 844 9951

A Landmark Information Group Service v50.0 04-Nov-2021 Page 4 of 11



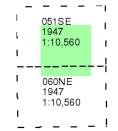


# Lincolnshire

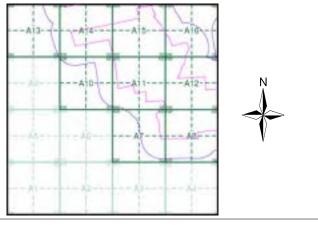
# Published 1947 Source map scale - 1:10,560

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: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 490330, 381530

Slice:

Site Area (Ha): 884.45 Search Buffer (m): 250

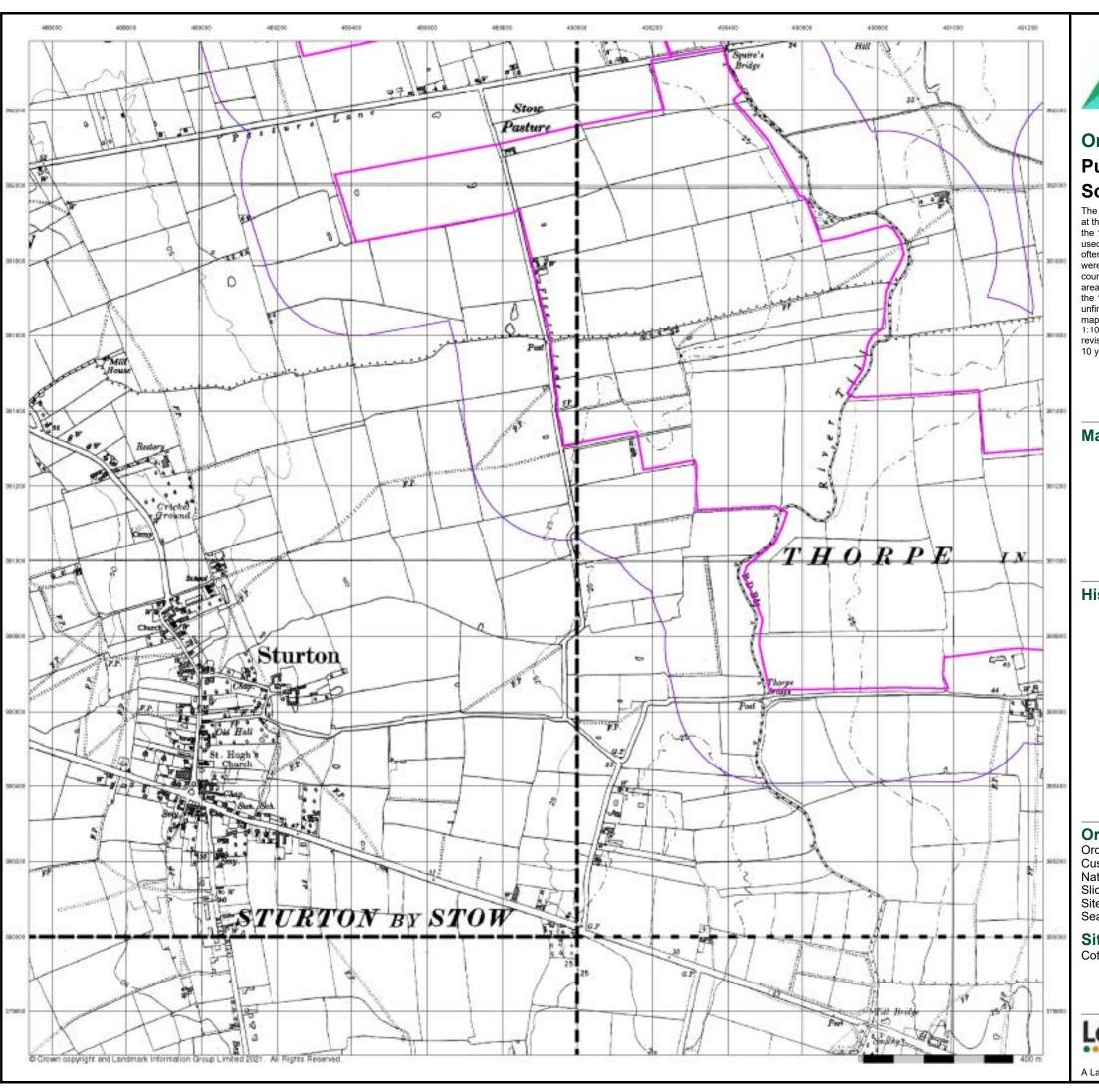
# **Site Details**

Cottam 1



Tel: Fax: Web: 0844 844 9952 0844 844 9951

A Landmark Information Group Service v50.0 04-Nov-2021 Page 5 of 11





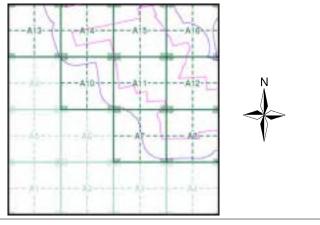
# **Ordnance Survey Plan** Published 1956 Source map scale - 1:10,000

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)

1	SK8	8SE	- 1	S	K98	ssw	- 1
1	1956		, Ι		956	560	1
1	1.10	,500	Ĺ		.10,	300	ı
_	_	_		_	_	_	_
1	SK8	7N E	. 1	S	K97	'nW	- 1
1	1956		, ι		956	560	ı
	1.10	,560	, i	- 1	.10,	360	
1			- 1				٠,

#### **Historical Map - Slice A**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 490330, 381530 Slice:

Site Area (Ha): Search Buffer (m): 884.45

# **Site Details**

Cottam 1



0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021 Page 6 of 11





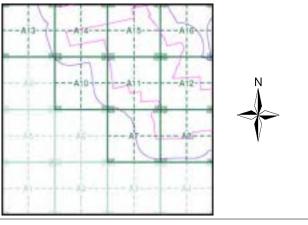
# **Ordnance Survey Plan Published 1976 - 1979** Source map scale - 1:10,000

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)

			_		_	_	_
			I	S	K98	3SW	ı
			ı		979 10	000	ı
			ī	ľ	.10	,000	1
_	_				_	_	_
1	SK87	NE	I	s	K97	7NW	ı
1	1979 1:10,0	200	ī		976	000	ı
1	1.10,0	000	ı	1	.10,	000	ı

#### **Historical Map - Slice A**



#### **Order Details**

Order Number: 287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 490330, 381530 Slice:

Site Area (Ha): Search Buffer (m): 884.45

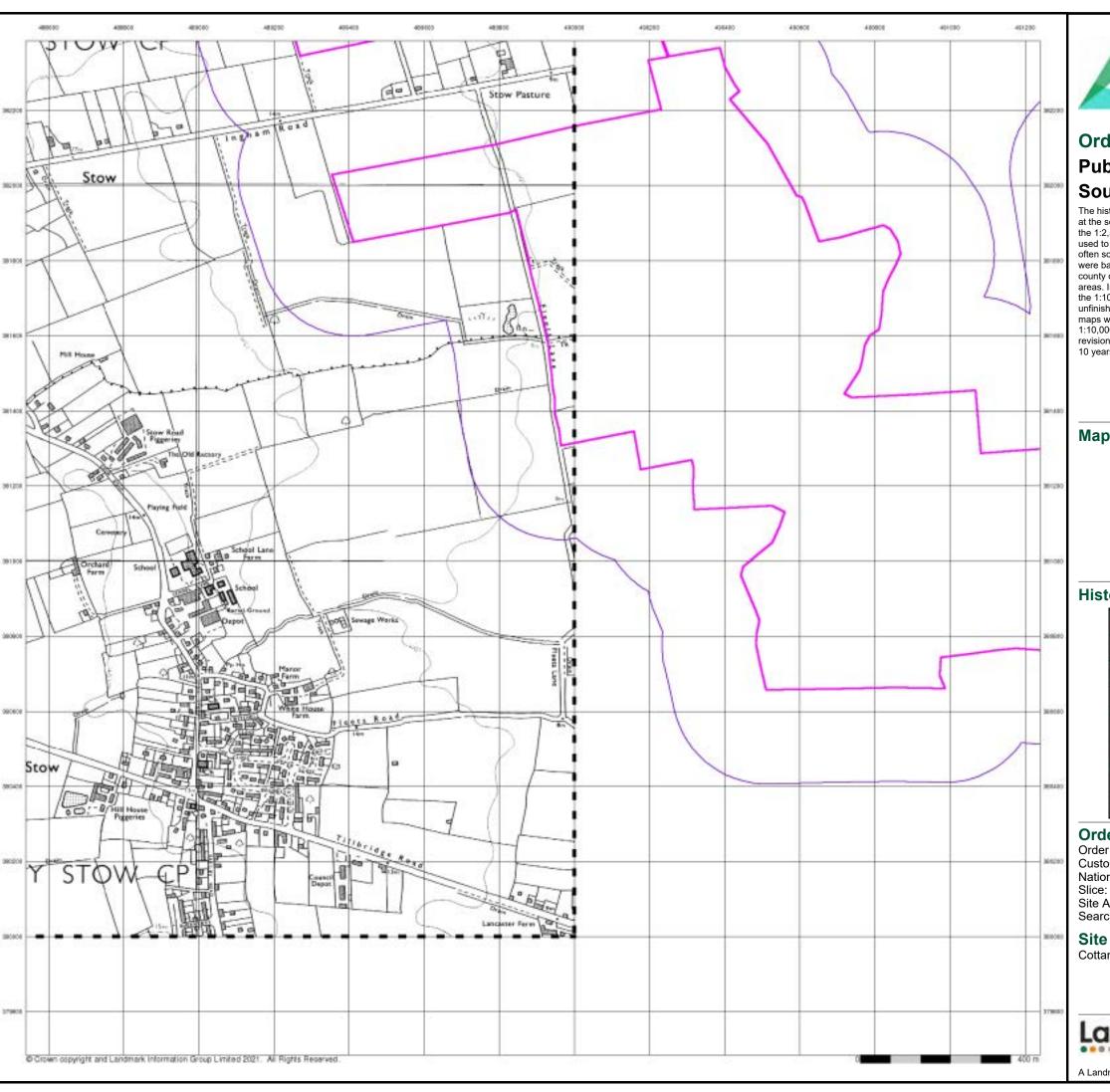
# **Site Details**

Cottam 1



0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021 Page 7 of 11





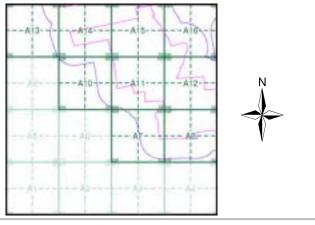
# **Ordnance Survey Plan** Published 1981 Source map scale - 1:10,000

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: 287330989\_1\_1 21-1088.02 Customer Ref: National Grid Reference: 490330, 381530

Site Area (Ha): Search Buffer (m): 884.45

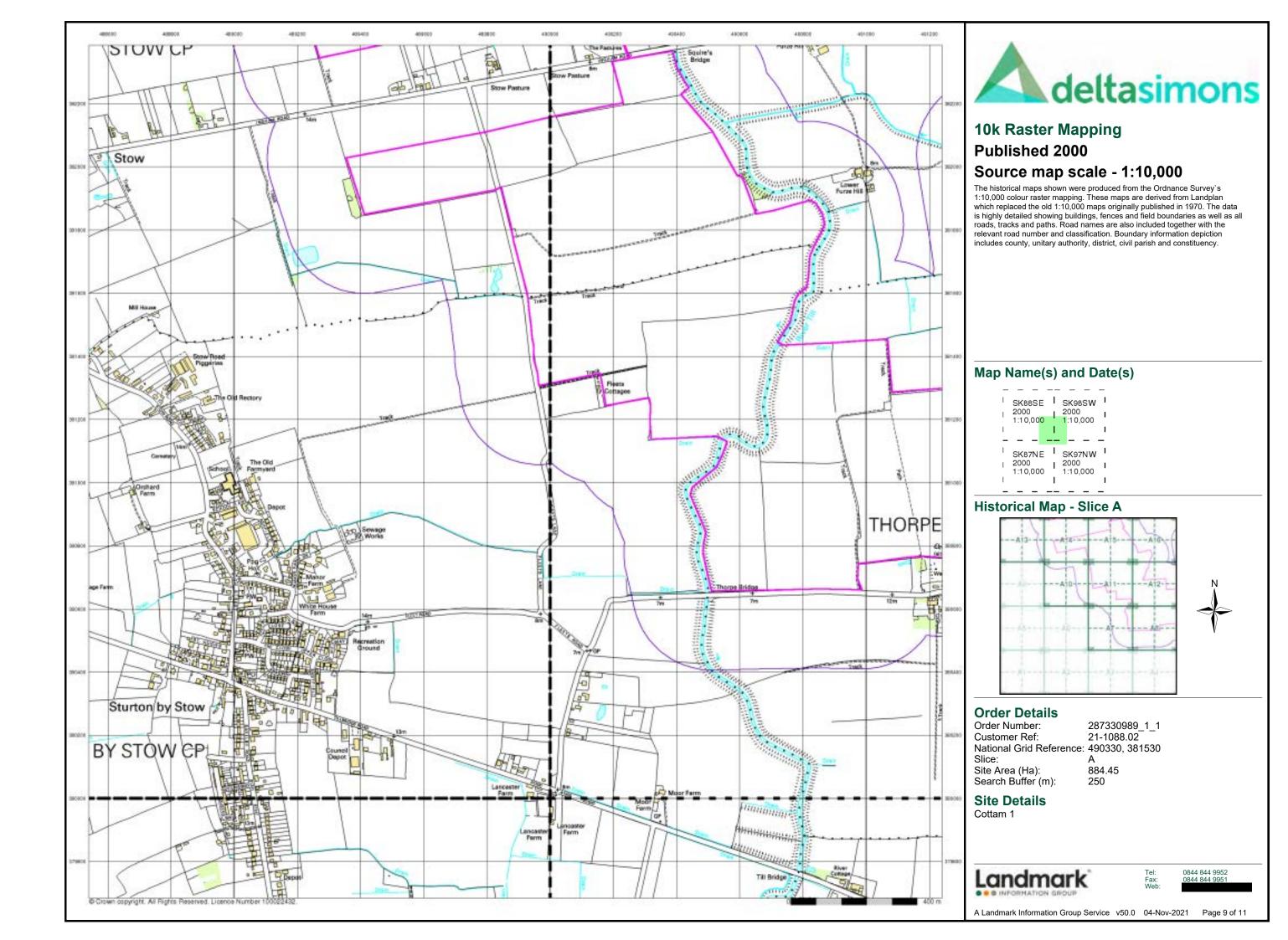
# **Site Details**

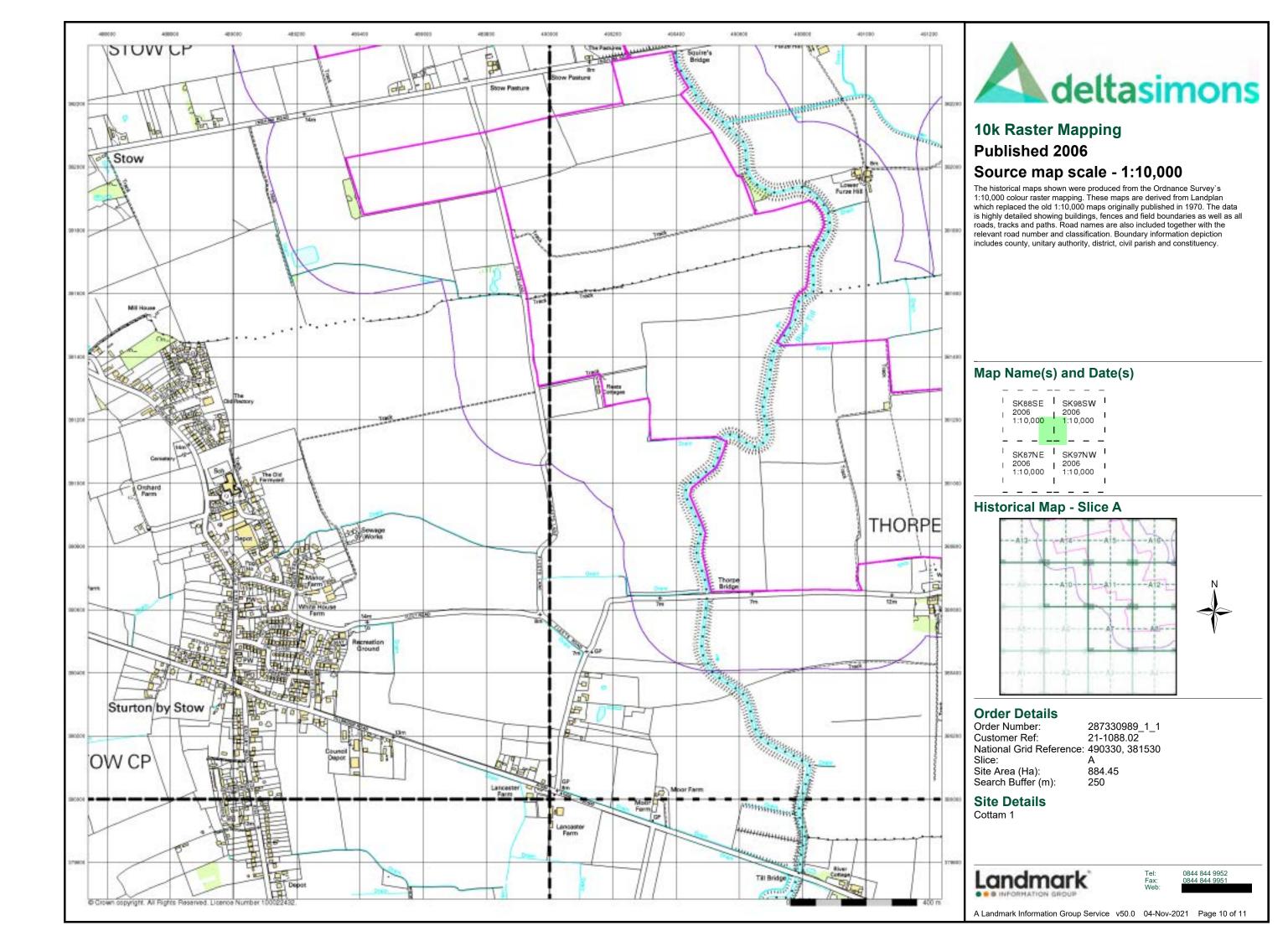
Cottam 1

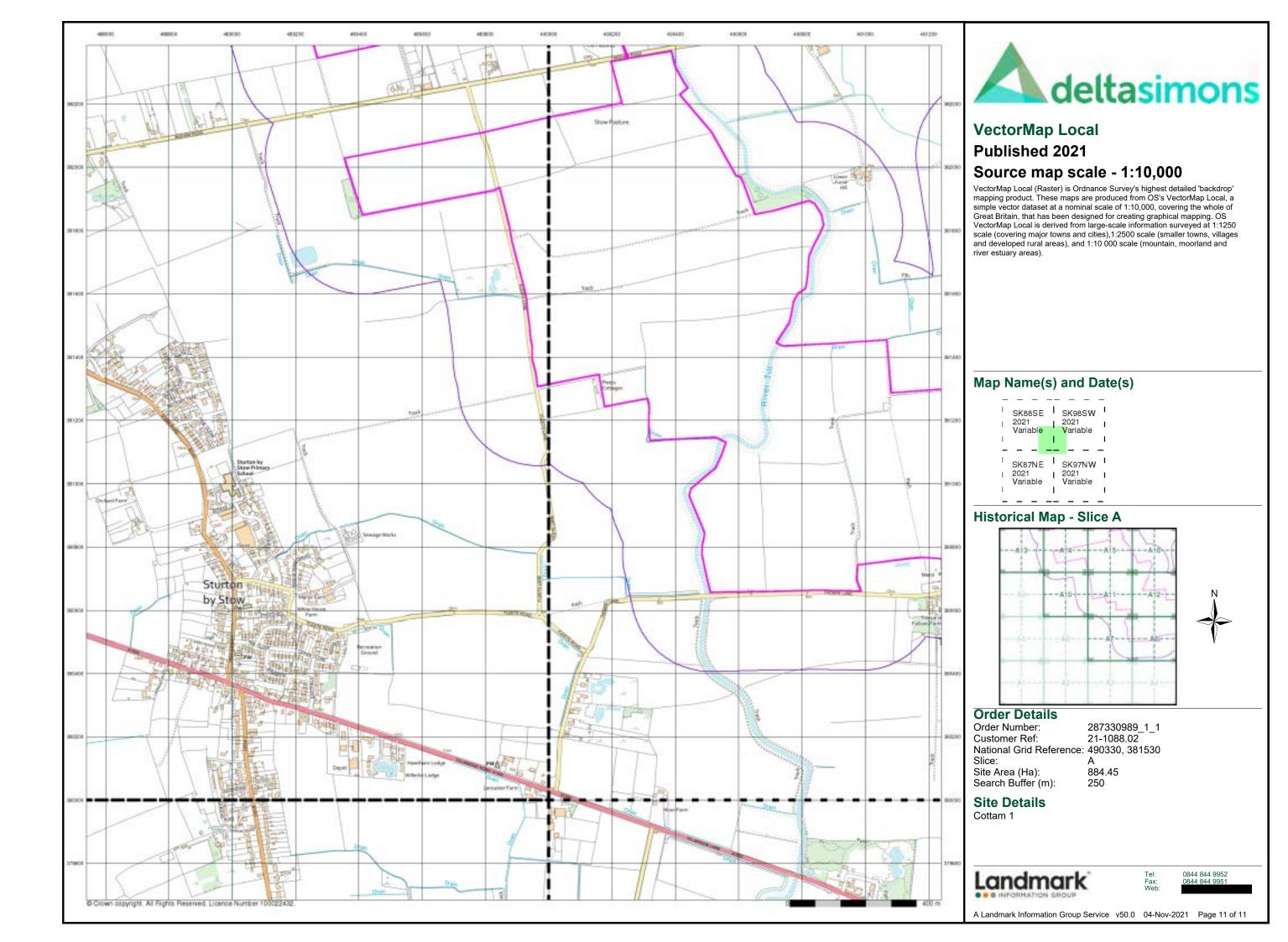


0844 844 9952

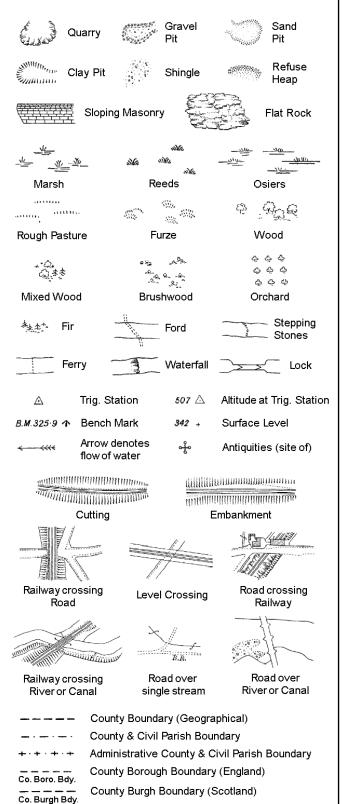
A Landmark Information Group Service v50.0 04-Nov-2021 Page 8 of 11







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



B.R.

E.P

F.B.

M.S

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

Trough Well

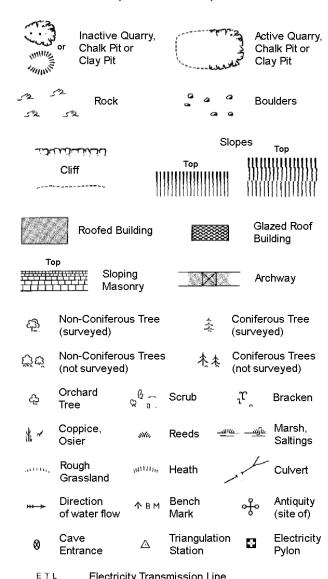
S.P

T.C.B

Sl.

Tr:

#### Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



**Electricity Transmission Line** 

County Boundary (Geographical) County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary mereing changes

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

# 1:1,250

			Slo	pes _	Гор
	ביייר לולאנטונט	To	ор	1111111	11111111111
	Cliff	11111111	iinnuun –	_))))))	))))))))
,		111111111	HHHHHH	1111111	111111111
523	Rock		7,5	Rock (sc	attered)
$\Box_{a}$	Boulders		Δ.	Boulders	(scattered)
	Positioned Bou	ılder		Scree	
දුමු	Non-Coniferou (surveyed)	s Tree	-1-	Conifero (surveye	
ජීජ	Non-Coniferou (not surveyed)	s Trees	A A	Conifero (not surv	us Trees reyed)
දා	Orchard Tree	୍ଲ ଜିଲି Scr	ub	ئيرّ	Bracken
* ~	Coppice, Osier	₩. Ree	eds <u>w</u>	<u> </u>	Marsh, Saltings
willer,	Rough Grassland	<sub>mum</sub> , Hea	ath	1	Culvert
<del>*** &gt;</del>	Direction of water flow		ingulation tion	ઌ૾ૺ	Antiquity (site of)
E_TL	_ Electricity T	ransmissior	n Line	$\boxtimes$	Electricity Pylon
/ <del>/</del> / ВМ	291.60m Benc	h Mark		Building Building	
	Roofed B	uilding		g g	azed Roof ilding
	• • • Civ	il parish/con	nmunity bo	oundary	
		trict bounda	_		
		ınty bounda	-		
	_	indary post/			
		ındary mere		ol (note: f	hese
Å	alw alw	ays appear nree)			
Bks	Barracks		Р	Pillar, Pol	e or Post
Bty	Battery		PO	Post Offic	
Cemy	Cemetery		PC		onvenience
Chy Cis	Chimney Cistern		Pp Ppg Sta	Pump Pumping	Station
Dismtd F		Railwav	PW Sta	Place of V	
El Gen S	•	•	Sewage Pp	g Sta Se	wage
EIP	Station Electricity Pole,	Pillar	SB, S Br		mping Station ox or Bridge
	ta Electricity Sub		SP, SL	_	st or Light
FB	Filter Bed	**	Spr	Spring	<del> </del>
Fn / D Fr	n Fountain / Drink	ing Ftn.	Tk	Tank or T	rack
0 0			_	Tourselle	

Gas Valve Compound

Mile Post or Mile Stone

Gas Governer

**Guide Post** 

Manhole

Tr

Wd Pp

Wks

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

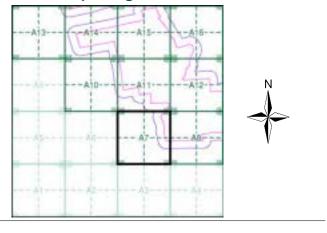
Works (building or area)



# **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1973 - 1976	4
Additional SIMs	1:2,500	1978	5
Additional SIMs	1:2,500	1986	6
Large-Scale National Grid Data	1:2,500	1994	7
Historical Aerial Photography	1:2,500	1999	8

# **Historical Map - Segment A7**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 490330, 381530 Slice:

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

884.45

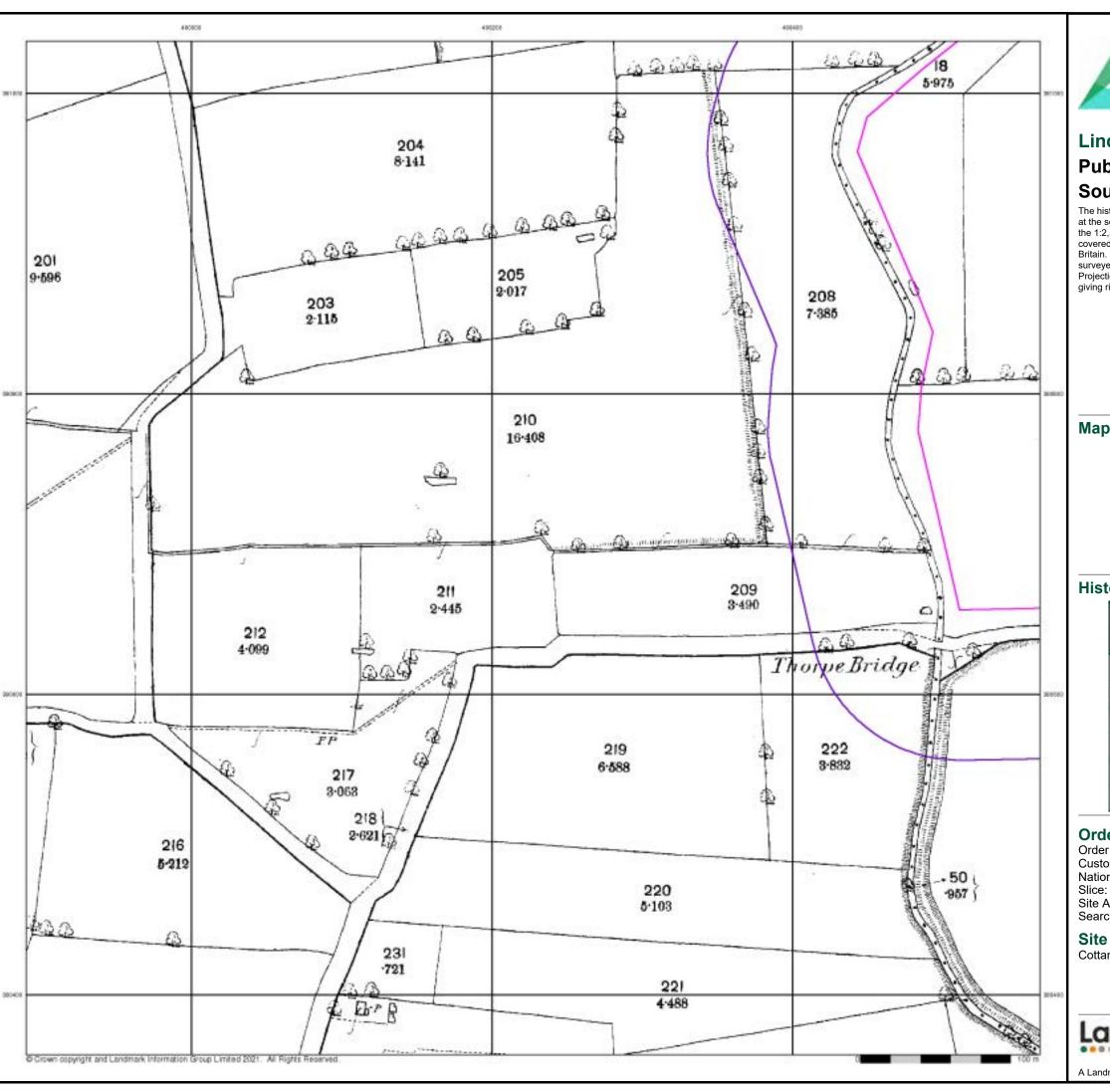
# **Site Details**

Cottam 1



0844 844 9952

Page 1 of 8



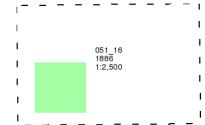


# Lincolnshire

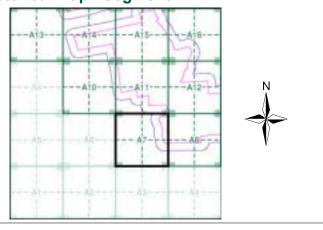
# Published 1886 Source map scale - 1:2,500

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 A7**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 Customer Ref: National Grid Reference: 490330, 381530

Site Area (Ha): Search Buffer (m): 884.45

# **Site Details**

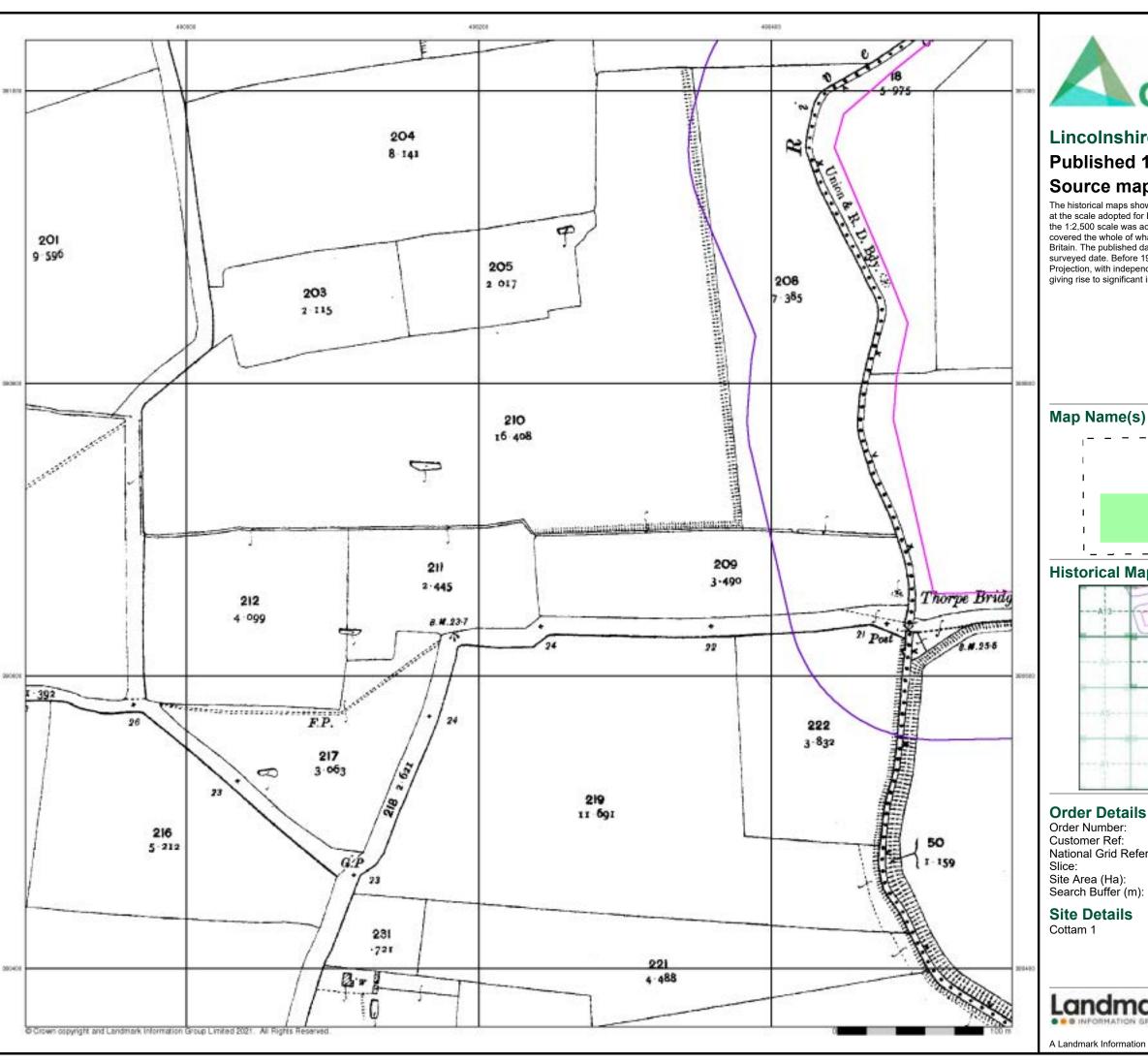
Cottam 1



0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021

Page 2 of 8



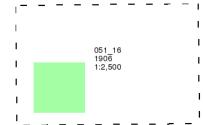


#### Lincolnshire

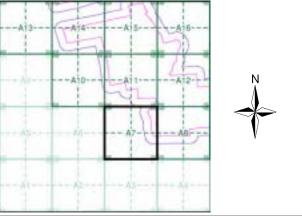
# Published 1906 Source map scale - 1:2,500

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 A7**



 Order Number:
 287330989\_1\_1

 Customer Ref:
 21-1088.02

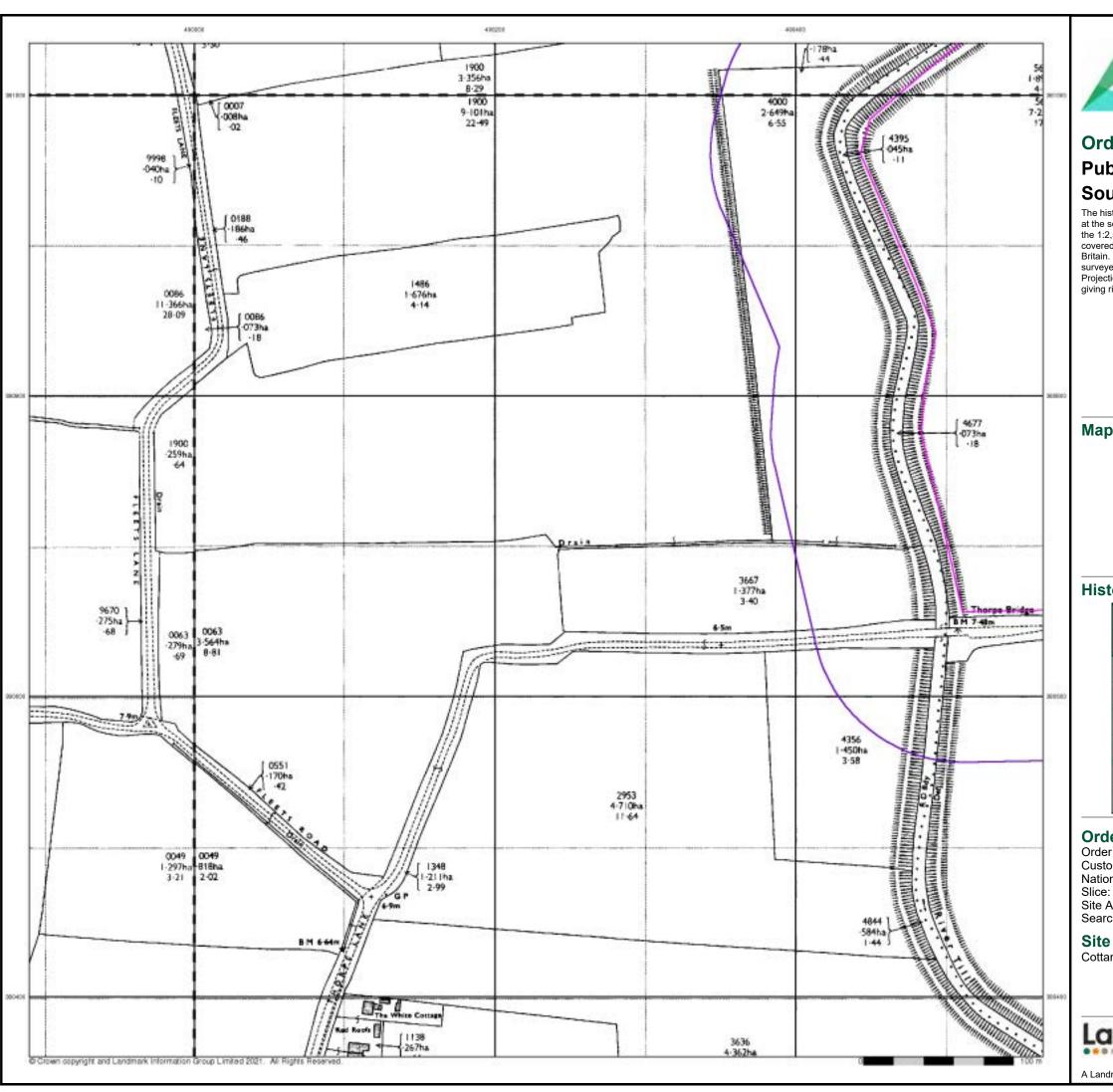
 National Grid Reference:
 490330, 381530

884.45



0844 844 9952

Page 3 of 8





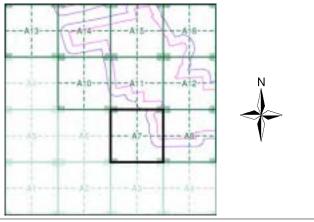
# Ordnance Survey Plan Published 1973 - 1976 Source map scale - 1:2,500

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)

- 1		1		ı
1	SK8981 1975	ī	SK9081 1973	ı
- 1	1:2,500	1	1:2,500	ı
		1		
- 1	SK8980 1976	1	SK9080 1974	ı
1	1:2,500	ı	1:2,500	I
- 1		1		I

# **Historical Map - Segment A7**



#### **Order Details**

 Order Number:
 287330989\_1\_1

 Customer Ref:
 21-1088.02

 National Grid Reference:
 490330, 381530

); A (11 )

Site Area (Ha): 884.45 Search Buffer (m): 100

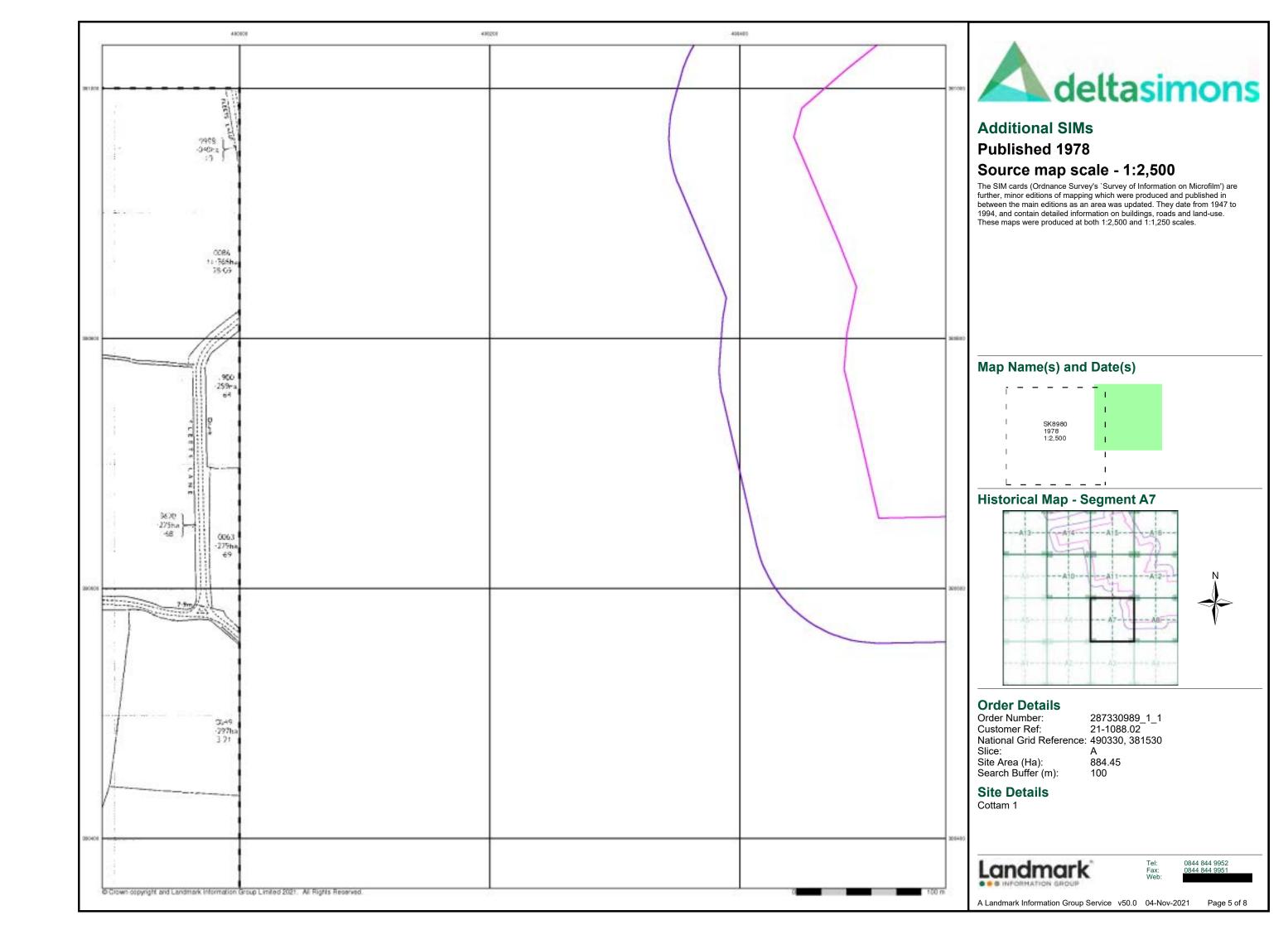
# **Site Details**

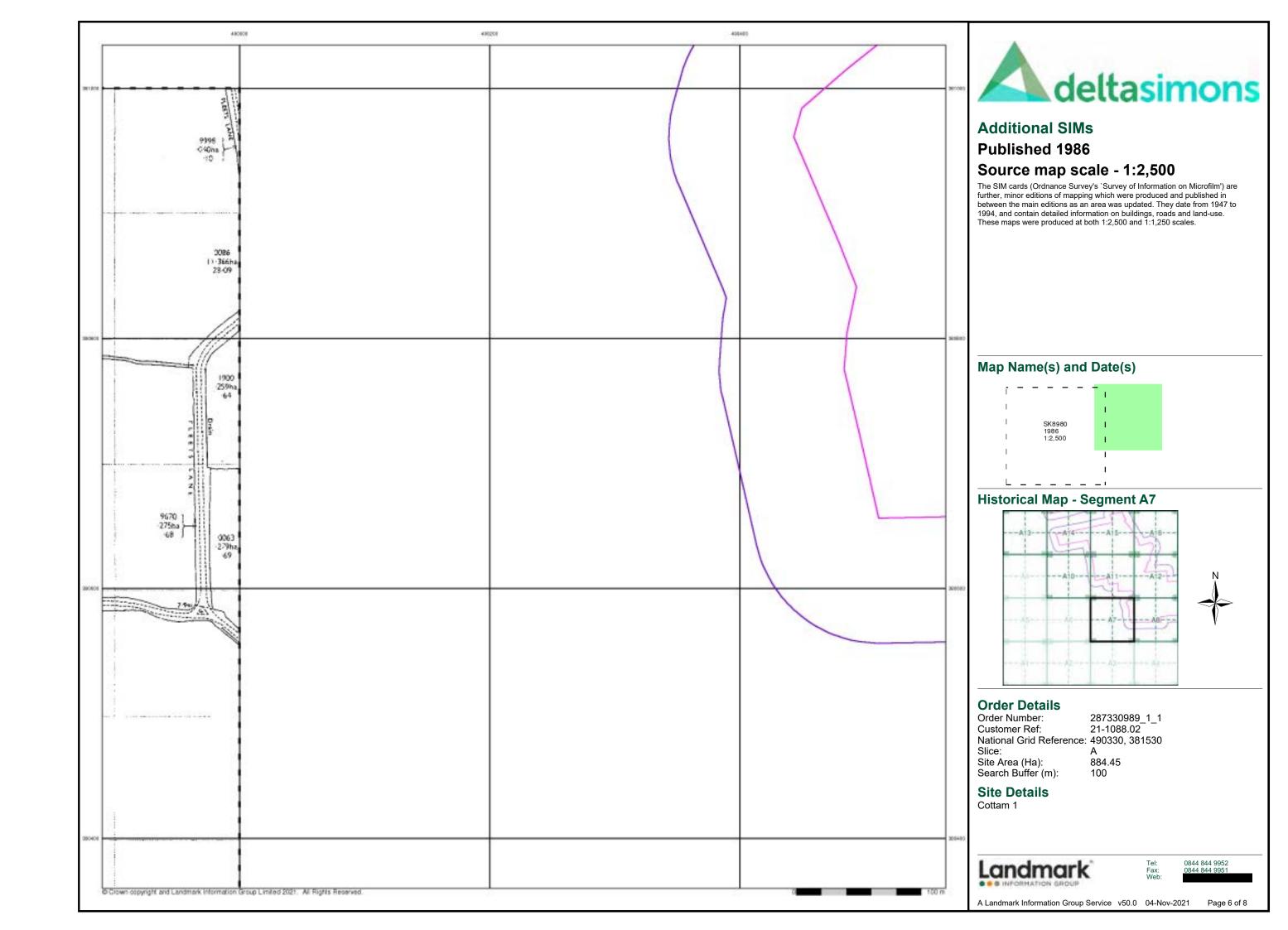
Cottam 1

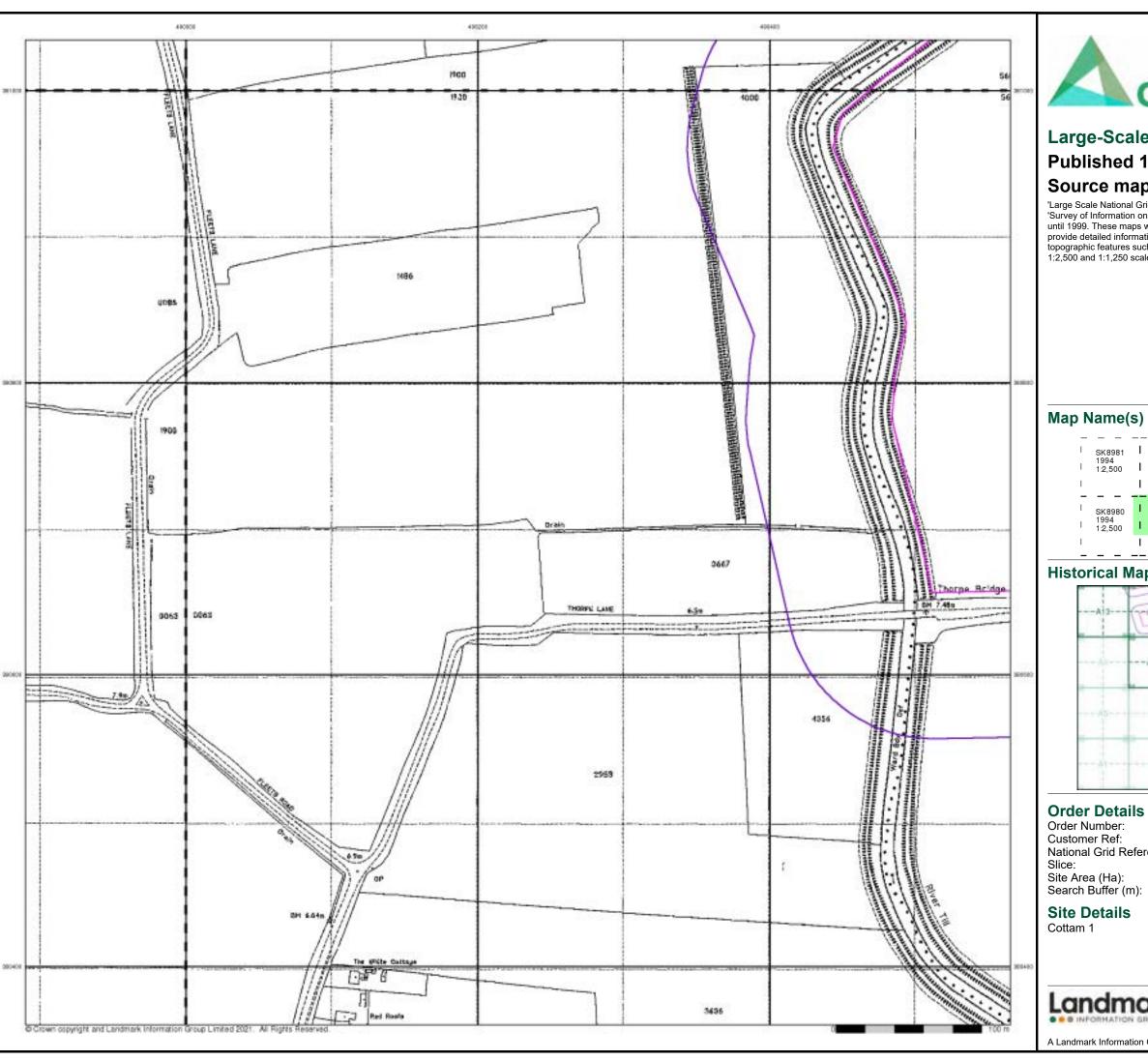


Tel: Fax: Web: 0844 844 9952 0844 844 9951

Page 4 of 8









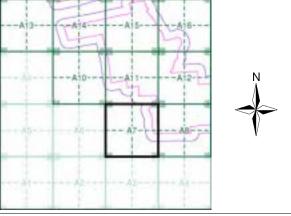
# **Large-Scale National Grid Data** Published 1994 Source map scale - 1:2,500

'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)

			_
SK8981	-1	SK9081	
1:2,500	-1	1:2,500	
	-1		
			-
SK8980	1	SK9080	
1994 1:2,500	1	1994 1:2,500	
	Т		
	1994 1:2,500 — — SK8980 1994	1994 1.2,500   	1994 12,500   1994 12,500   12,500 

#### **Historical Map - Segment A7**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 490330, 381530

884.45

# **Site Details**



0844 844 9952

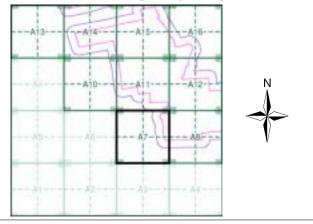




# **Historical Aerial Photography** Published 1999

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

# **Historical Aerial Photography - Segment A7**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 490330, 381530

Slice:

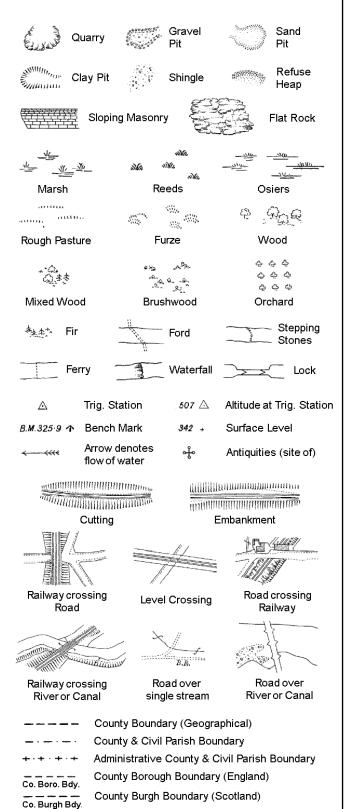
Site Area (Ha): Search Buffer (m): 884.45 100

**Site Details** Cottam 1

Landmark

A Landmark Information Group Service v50.0 04-Nov-2021 Page 8 of 8

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



B.R.

EP

F.B.

M.S

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

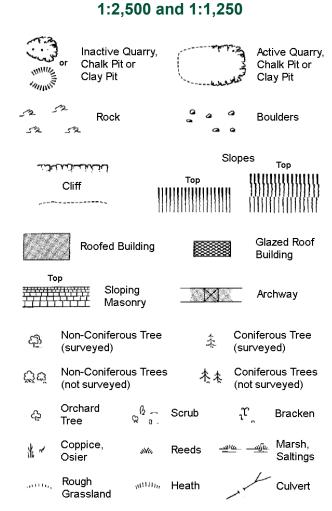
Trough Well

S.P

Sl.

Tr:

Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 



Direction Bench Antiquity of water flow (site of) Electricity Cave Triangulation Ŧ.

**Electricity Transmission Line** County Boundary (Geographical) County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary mereing changes

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

# 1:1,250

		Slo	pes ,	r
the Arterity of the	To	ор	uuuu	Гор   [ [ [ [ [ ] ] ] ] ]
Cliff			11)11)}	
	[[]]]]]]	111111111111111111111111111111111111111	[]]]]]]	[[[]]]]]]]
Sock Rock		7.5	Rock (sc	attered)
△ Boulders		<i>D</i>	Boulders	(scattered)
Positioned	Boulder		Scree	
ਨ੍ਹੇ Non-Conif (surveyed	erous Tree )	-1-	Conifero (surveye	
රාදු (not surve	erous Trees yed)	A A	Conifero (not surv	
슨 Orchard Tree	Q <sup>0</sup> α. Scr	ub	<sup>1</sup> u	Bracken
Coppice, Osier	ων. Re∈	eds <u>w</u>	<u> </u>	Marsh, Saltings
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	տուս, Hea	ath	1	Culvert
Direction of water flo		ingulation tion	ઌ૾ૺ૰	Antiquity (site of)
ETL Electric	ity Transmissior	n Line	$\boxtimes$	Electricity Pylon
	Bench Mark		Building Building	s with Seed
Roofe	ed Building		5	azed Roof ilding
	Civil parish/con	nmunity bo	oundary	
	District bounda		-	
_ •	County bounda	ry		
	Boundary post/	stone		
D	Boundary mere always appear of three)			
Bks Barracks		Р	Pillar, Pole	e or Post
Bty Battery		PO Do	Post Offic	
Cemy Cemetery Chy Chimney		PC Pn		nvenience
Chy Chimney Cis Cistern		Pp Ppg Sta	Pump Pumping	Station
	tled Railway	PW	Place of W	
	ity Generating	Sewage Pr	og Sta Se	wage mping Station
	Pole, Pillar	SB, S Br		x or Bridge
El Sub Sta Electricity		SP, SL	_	st or Light
FB Filter Bed		Spr	Spring	=
Fn / D Fn Fountain /	Drinking Ftn.	Tk	Tank or Tr	rack

Gas Gov

Gas Valve Compound

Mile Post or Mile Stone

Gas Governer

**Guide Post** 

Manhole

Tr

Wd Pp

Wks

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

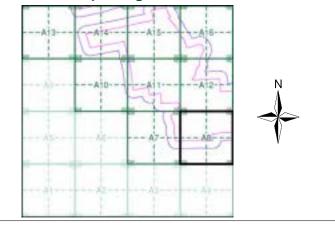
Works (building or area)



#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1973 - 1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

# **Historical Map - Segment A8**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 **Customer Ref:** National Grid Reference: 490330, 381530 Slice:

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

884.45

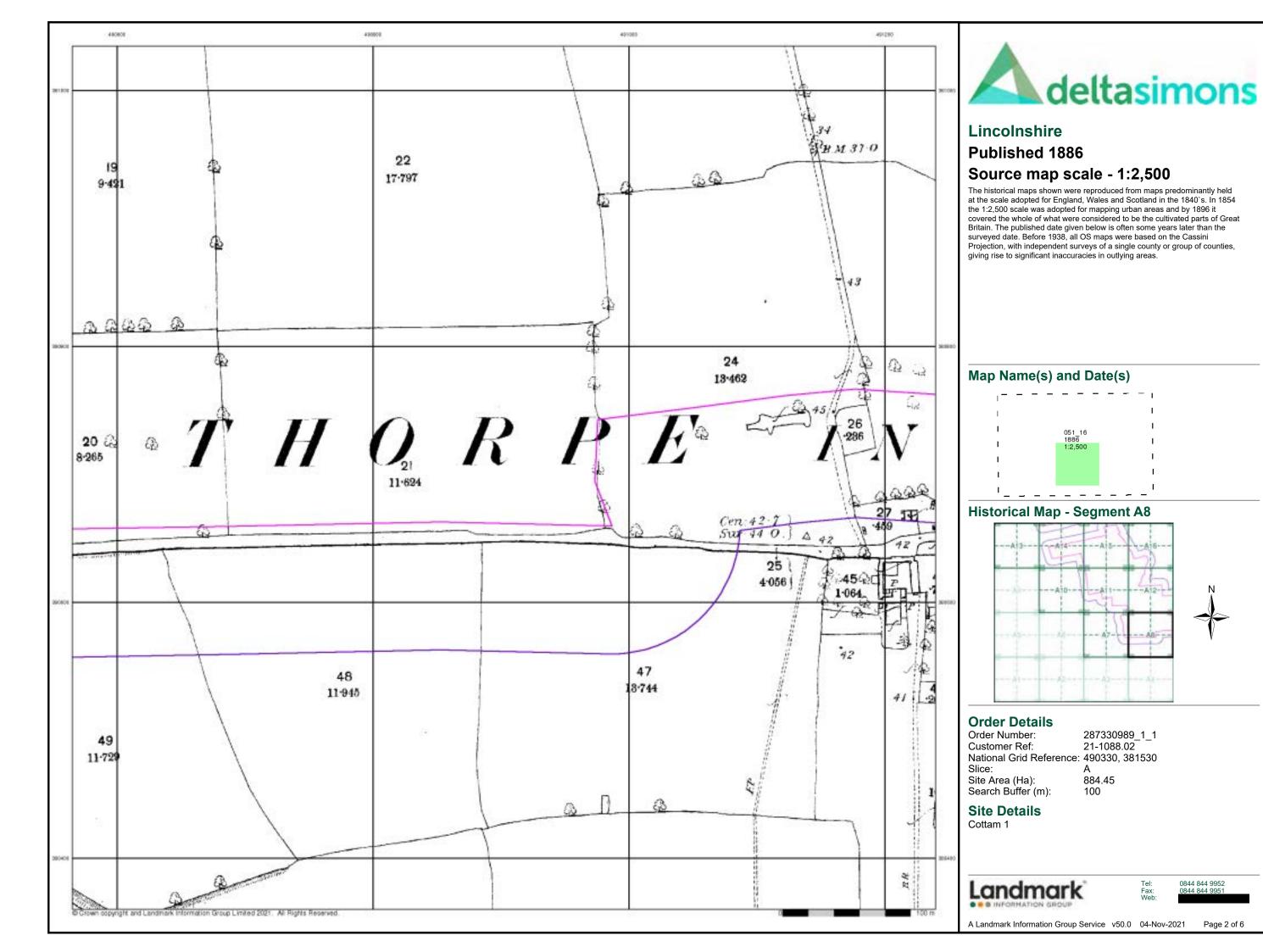
# **Site Details**

Cottam 1



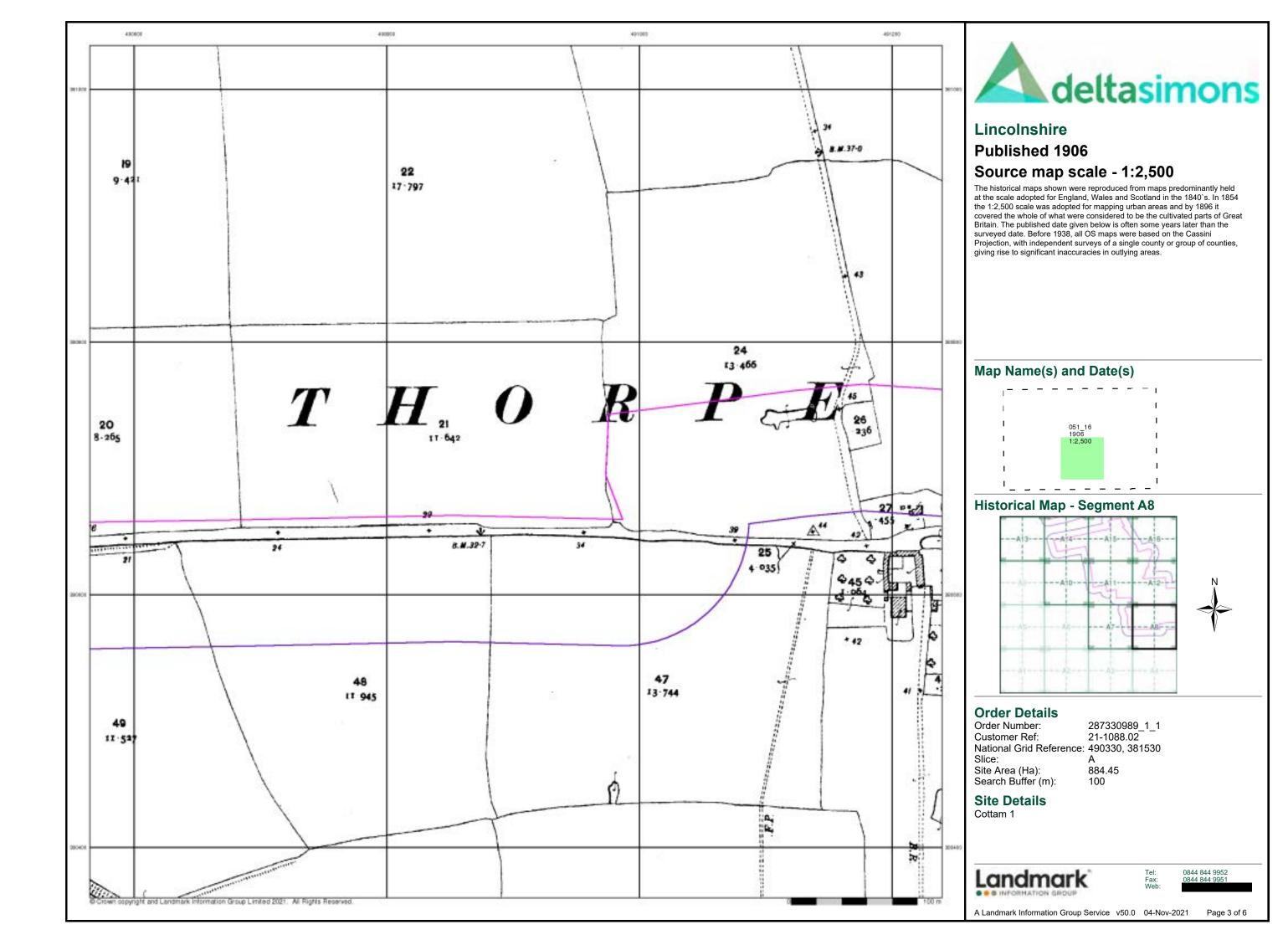
0844 844 9952

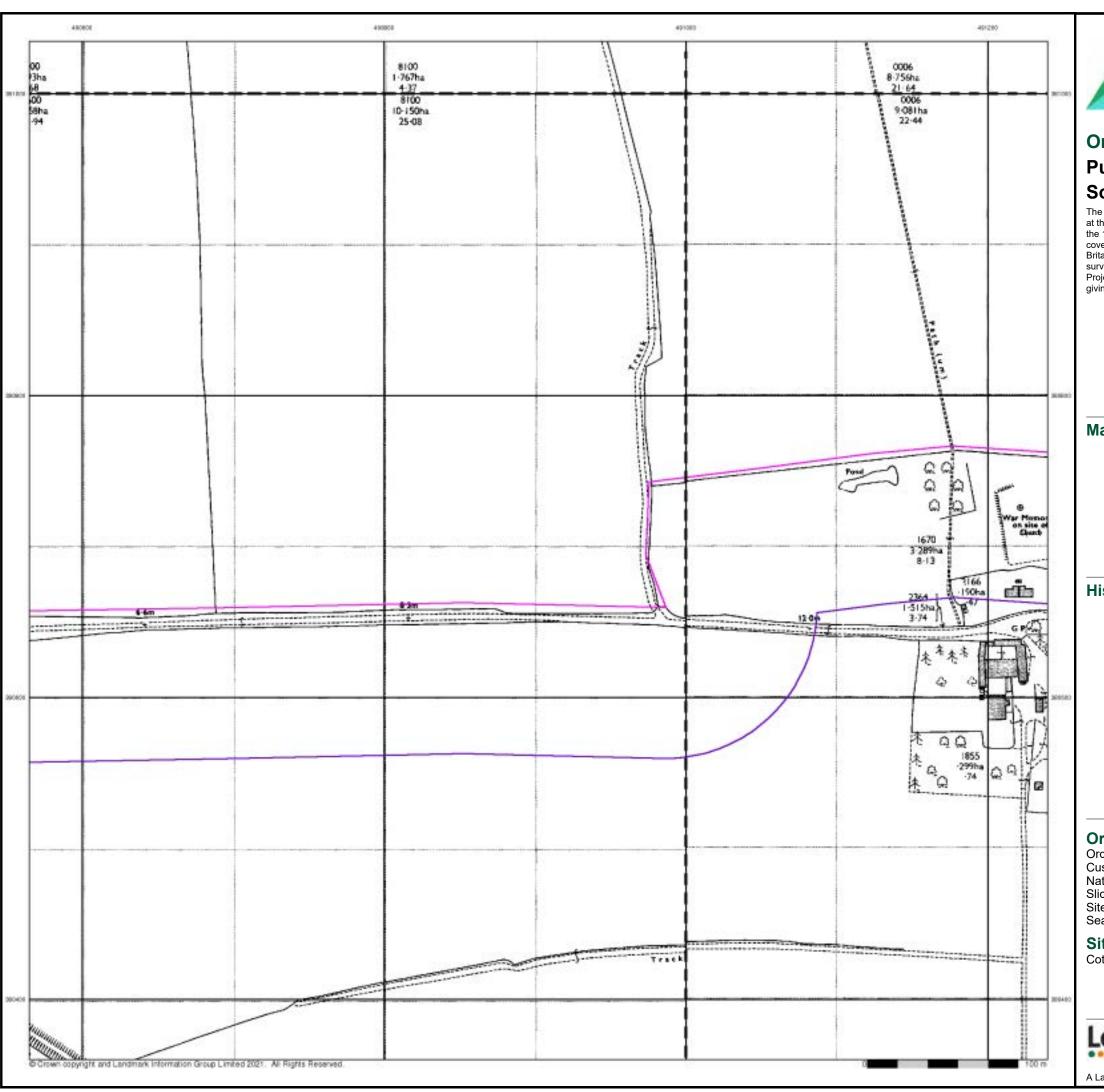
Page 1 of 6



0844 844 9952

Page 2 of 6







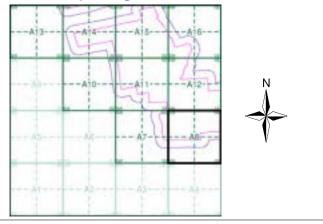
# **Ordnance Survey Plan Published 1973 - 1974** Source map scale - 1:2,500

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 surveyes of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

# Map Name(s) and Date(s)

	SK9081 1973 12,500	SK9181 I 1973 1:2,500
		<del>  -</del>
- 1	SK9080 1974	SK9180
1	1:2,500	1:2,500
ı		'

# **Historical Map - Segment A8**



#### **Order Details**

287330989\_1\_1 21-1088.02 Order Number: Customer Ref: National Grid Reference: 490330, 381530 Slice:

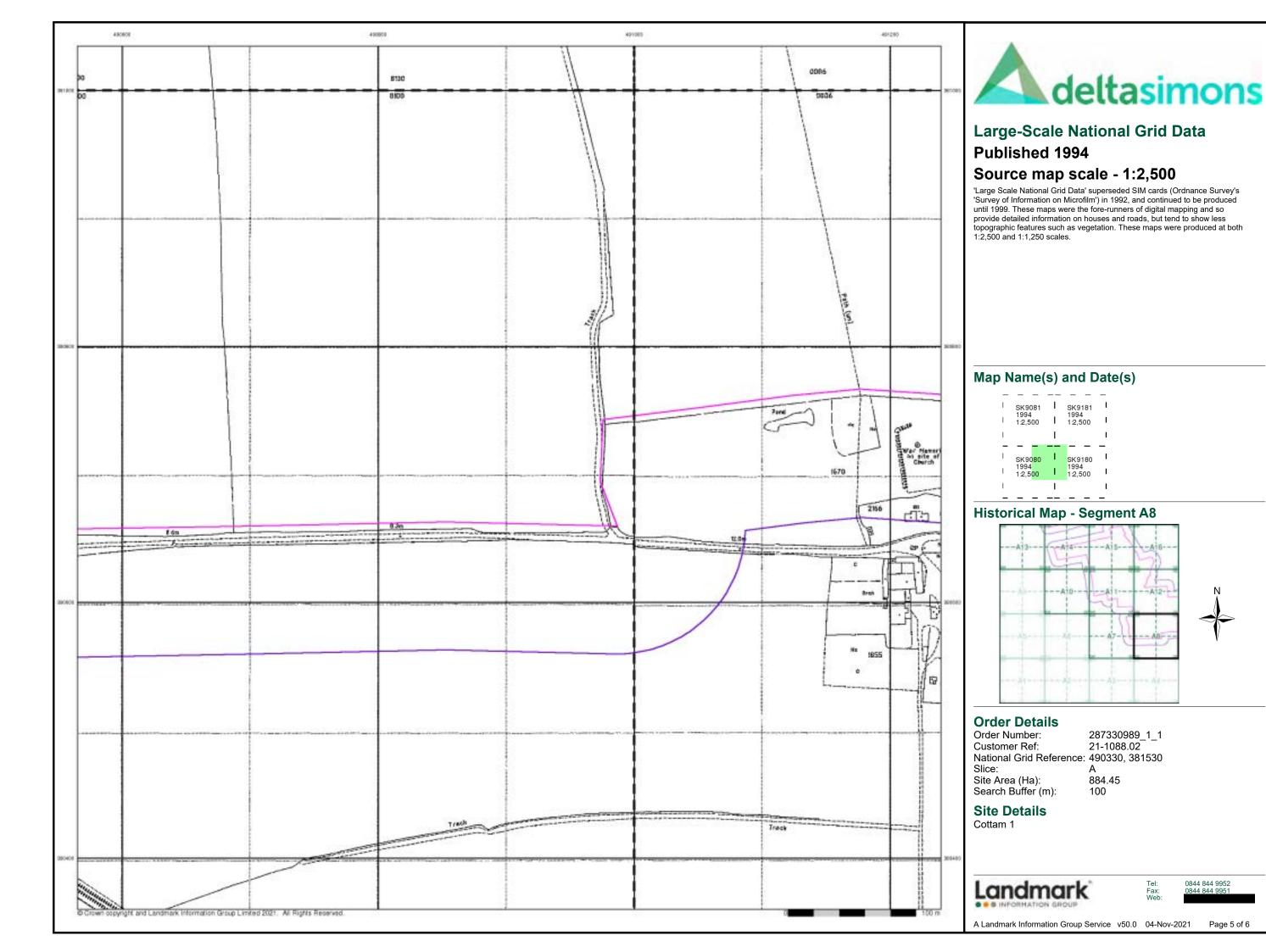
Site Area (Ha): Search Buffer (m): 884.45

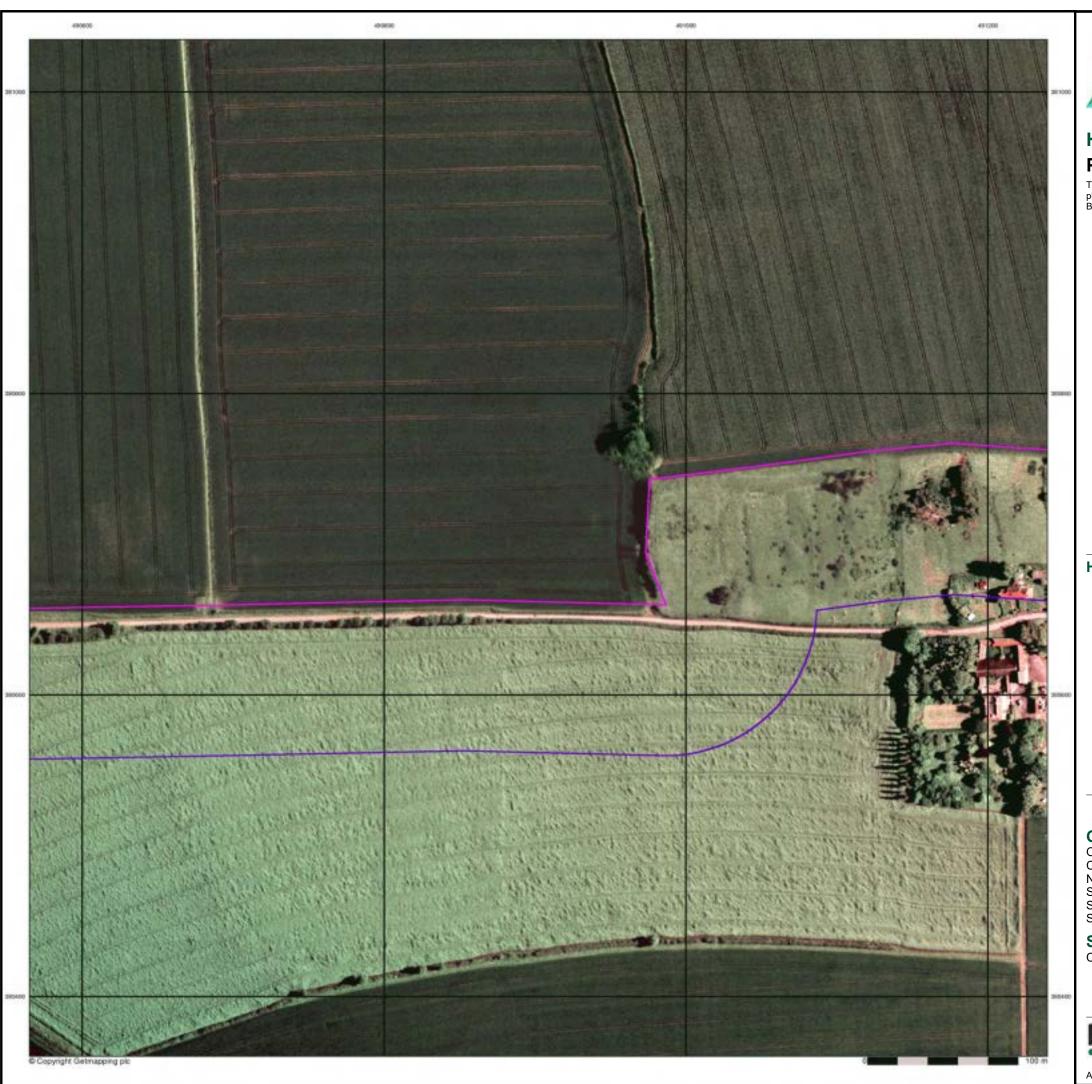
# **Site Details**

Cottam 1



0844 844 9952



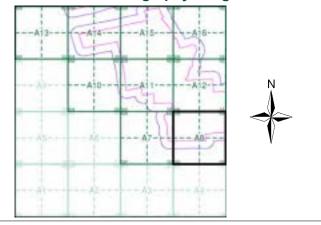




# **Historical Aerial Photography** Published 1999

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

#### **Historical Aerial Photography - Segment A8**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 490330, 381530

Slice:

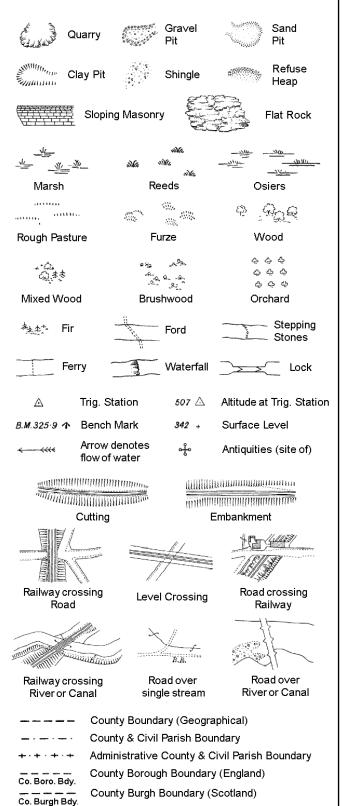
Site Area (Ha): Search Buffer (m): 884.45

**Site Details** 

Cottam 1

Landmark

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



B.R.

E.P

F.B.

M.S

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

Trough Well

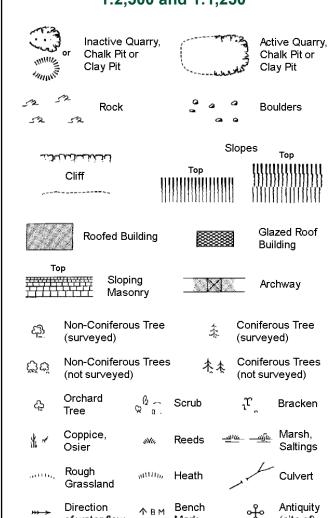
S.P

T.C.B

Sl.

Tr:

Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



,,,_,	of water flow	-1- 6 1-1	Mark	å	(site of)
8	Ca∨e Entrance	Δ	Triangulation Station	•	Electricity Pylon
E T L	Electricity	y Trans	mission Line		

County Boundary (Geographical) County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary mereing changes

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

# 1:1,250

			Slo	pes _	
	لكنكساند	To	g	11111111	Гор 
	Cliff	1131111111	!!!!!!!!!	]]]]]]]	!!!!!!!!!
	-	[[[]]]]]]	1111111111		
523	Rock		23	Rock (sc	attered)
	Boulders		Δ.	Boulders	(scattered)
$\triangle$	Positioned Boul	der		Scree	
කු	Non-Coniferous (surveyed)	Tree	-1-	Conifero (surveye	
ਨੁੱਖ	Non-Coniferous (not surveyed)	Trees	<b>→ →</b>	Conifero (not surv	us Trees eyed)
දා	Orchard Tree	β Ω Scru	du	L.	Bracken
* ~	Coppice, Osier	w. Ree	ds <u>- w</u> id	<u>ം —ചും</u>	Marsh, Saltings
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Rough Grassland	uuu, Hea	th /	1 to	Culvert
<del>&gt;&gt;&gt; →</del>	Direction of water flow	∆ Tria Stat	ngulation ion	ઌ૾ૢૺ૰	Antiquity (site of)
E_TL	_ Electricity Tr	ansmission	Line	$\boxtimes$	Electricity Pylon
\ <del>€</del> \ 8₩	231.60m Bench	ı Mark		Building Building	
	Roofed Bu	ilding		4	azed Roof ilding
	· · · Civil	parish/com	munity bo	oundary	
		rict boundar	-	-	
_ •	-— Cou	nty boundar	ту		
٥	Bou	ndary post/s	stone		
Þ	Bou	ndary merei ys appear i	ing symbo	`	
Bks	Barracks		Р	Pillar, Pole	e or Post
Bty	Battery		PO	Post Offic	-
Cemy	Cemetery		PC D		nvenience
Chy Cis	Chimney Cistern		Pp Ppg Sta	Pump Pumping	Station
Dismtd R		ailway	PW -	Place of W	
El Gen S	-	-	Sewage Pp	g Sta Se	wage mping Station
EIP	Electricity Pole, F	Pillar	SB, S Br		x or Bridge
	ta Electricity Sub S		SP, SL	_	st or Light
FB	Filter Bed		Spr	Spring	
Fn / D Fn	Fountain / Drinki	ng Ftn.	Tk -	Tank or Tr	rack

Gas Valve Compound

Mile Post or Mile Stone

Gas Governer

**Guide Post** 

Manhole

GVC

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Wd Pp

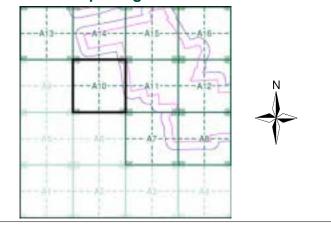
Wks



# **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1975	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

# **Historical Map - Segment A10**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 490330, 381530 Slice: Site Area (Ha): 884.45

Search Buffer (m):

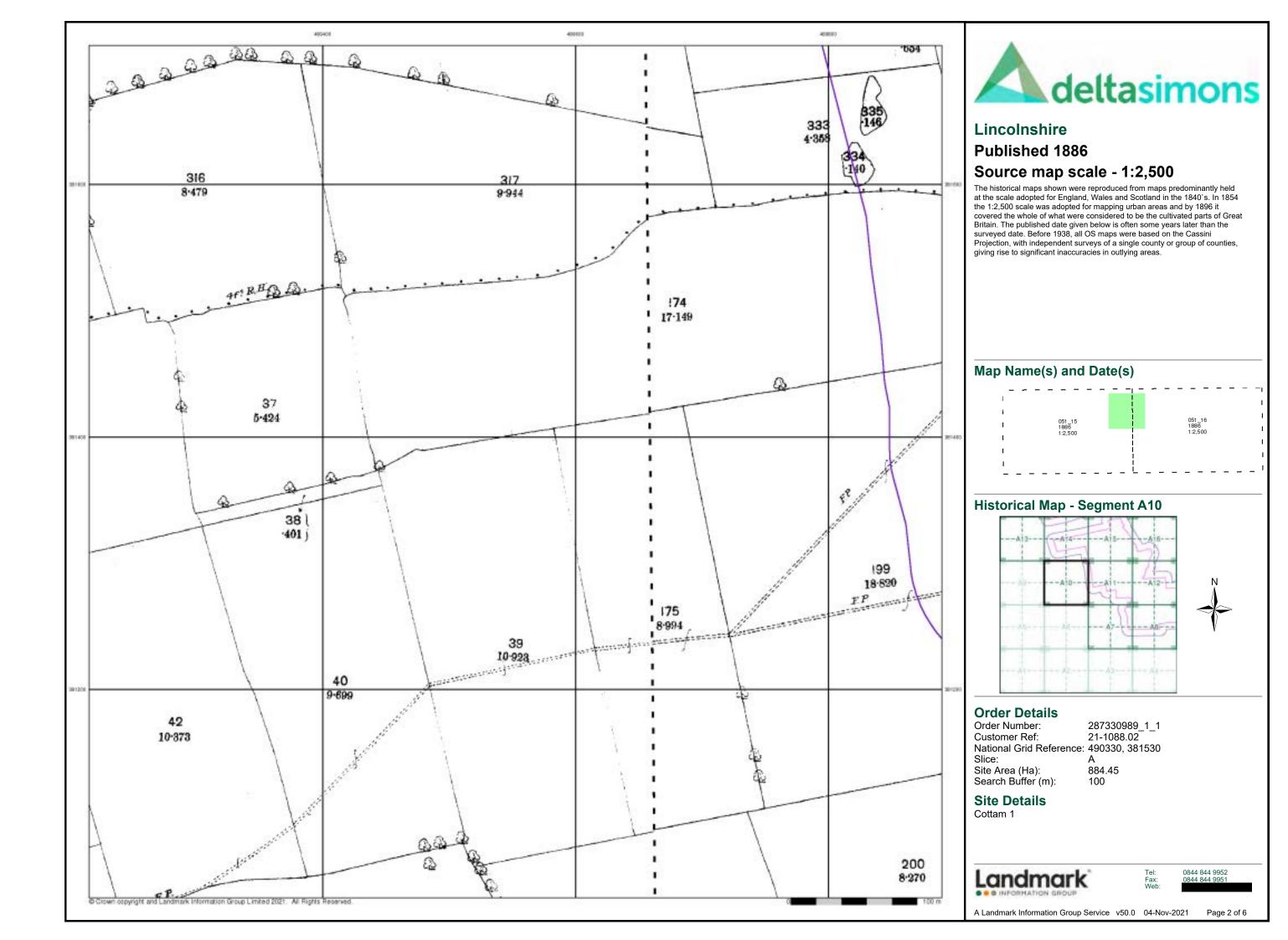
**Site Details** Cottam 1

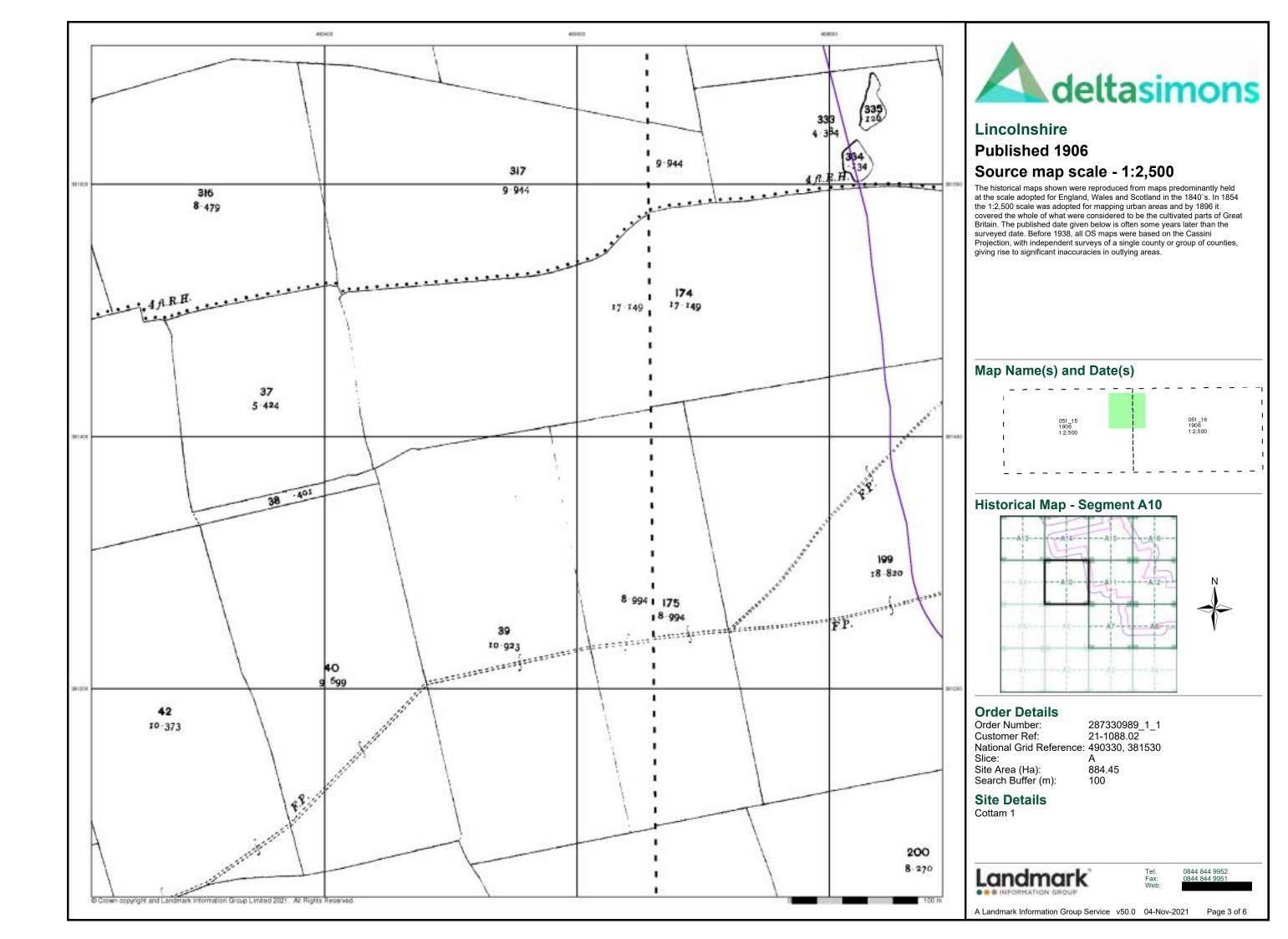


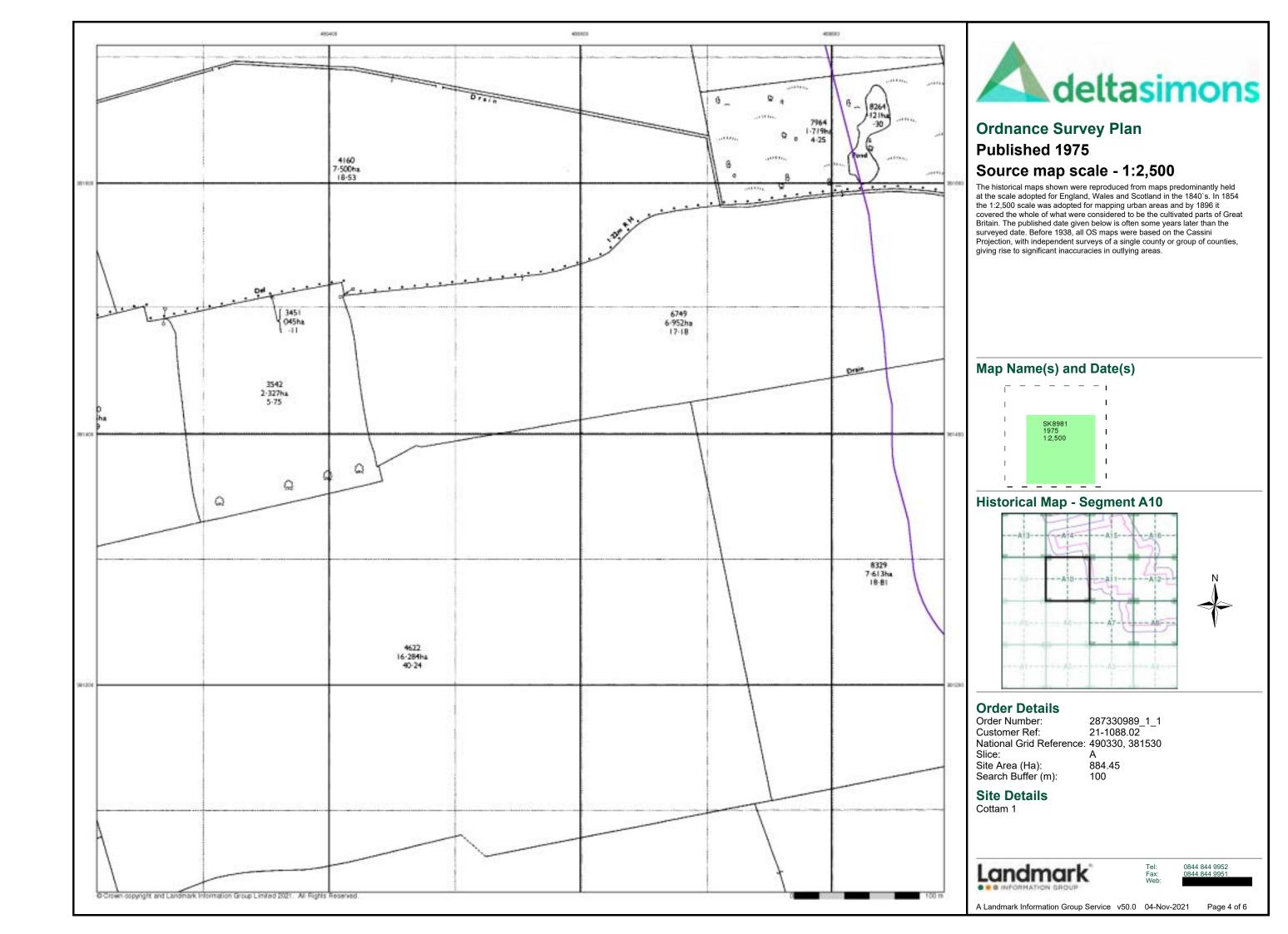
0844 844 9952

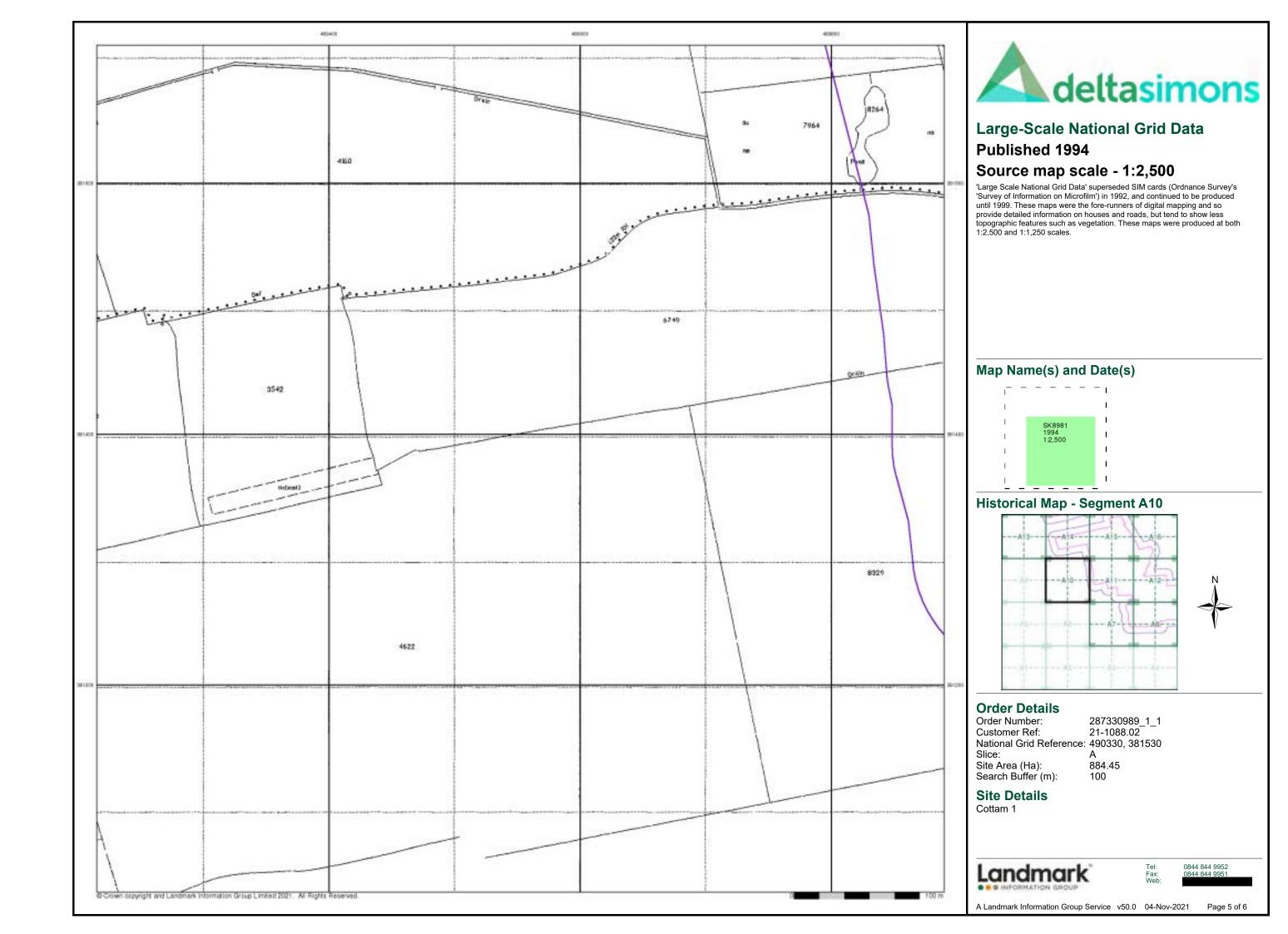


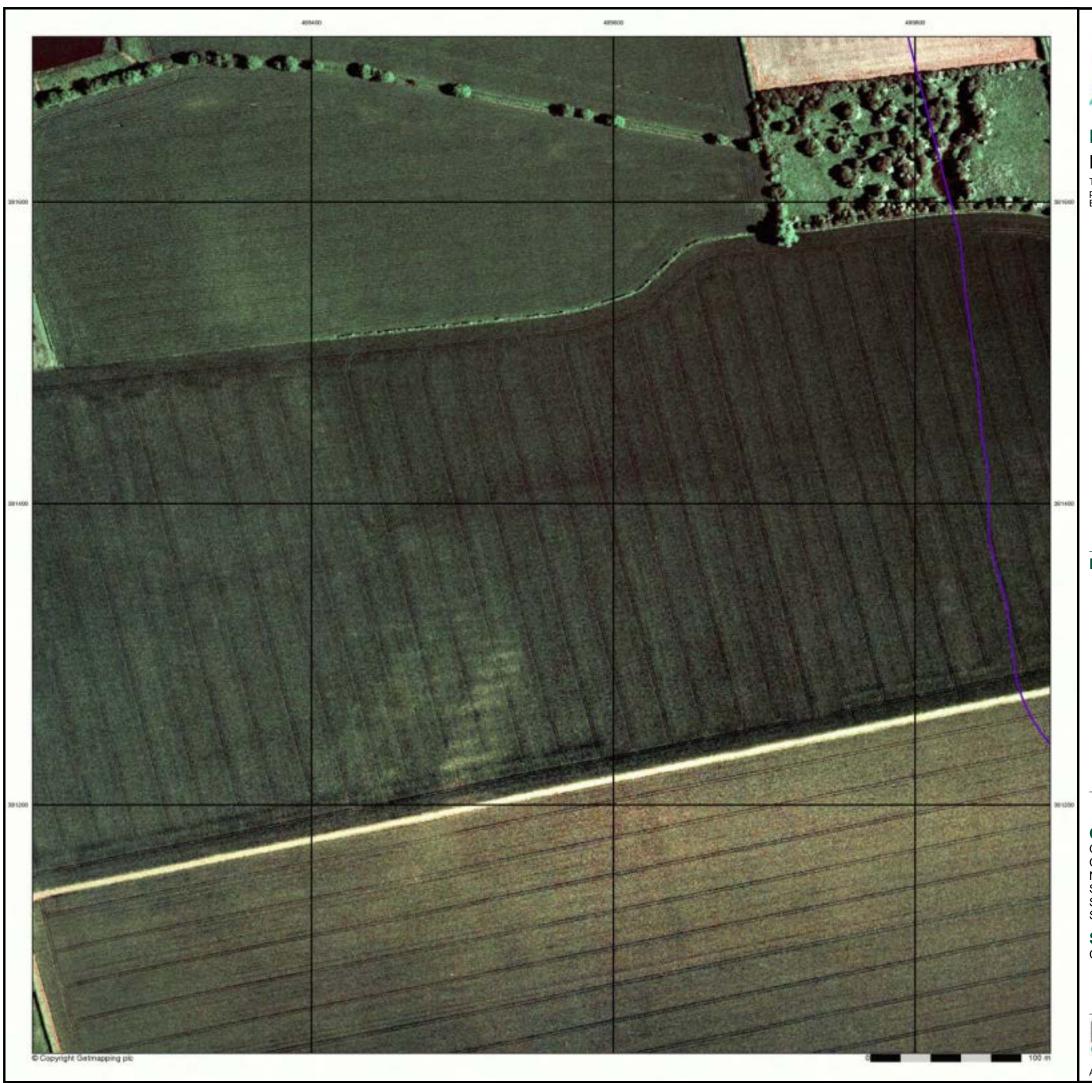
Page 1 of 6









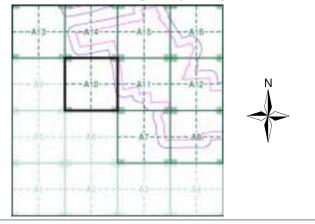




# **Historical Aerial Photography** Published 1999

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

# **Historical Aerial Photography - Segment A10**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 490330, 381530

Slice:

Site Area (Ha): Search Buffer (m): 884.45

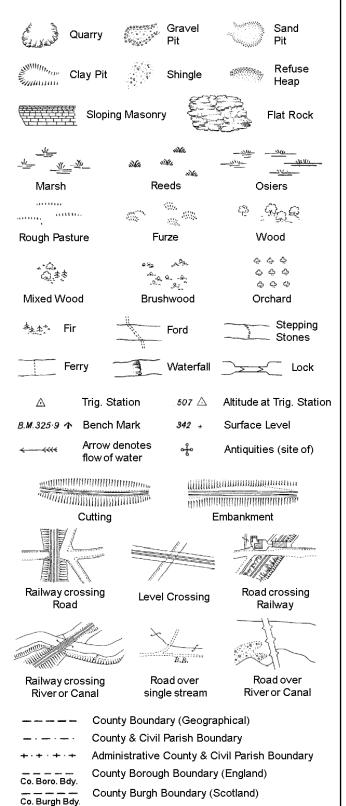
# **Site Details**

Cottam 1

Landmark

A Landmark Information Group Service v50.0 04-Nov-2021 Page 6 of 6

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



B.R.

E.P

F.B.

M.S

Bridle Road

Foot Bridge

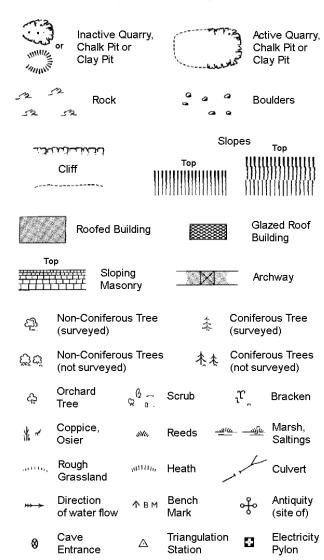
Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Guide Post or Board

Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



	•			
22		Symbol mark mereing chai		where boundary
вн	Beer House		Р	Pillar, Pole or Post
BP, BS	Boundary Pos	t or Stone	PO	Post Office
Cn, C	Capstan, Cran	e	PC	Public Convenience
Chy	Chimney		PH	Public House
D Fn	Drinking Foun	tain	Pp	Pump
EIP	Electricity Pilla	ar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pills	ar	SP, SL	Signal Post or Light
FB	Foot Bridge		Spr	Spring
GP	Guide Post		Tk	Tank or Track
Н	Hydrant or Hy	draulic	TCB	Telephone Call Box
LC	Level Crossing	g	TCP	Telephone Call Post
MH	Manhole		Tr	Trough
MP	Mile Post or Mo	ooring Post	WrPt,WrT	Water Point, Water Tap

**Electricity Transmission Line** 

L B Bdy

Mile Stone

Normal Tidal Limit

NTL

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

Trough

Well

S.P

T.C.B

Sl.

 $T_T$ 

County Boundary (Geographical)

Admin. County or County Bor. Boundary

County & Civil Parish Boundary

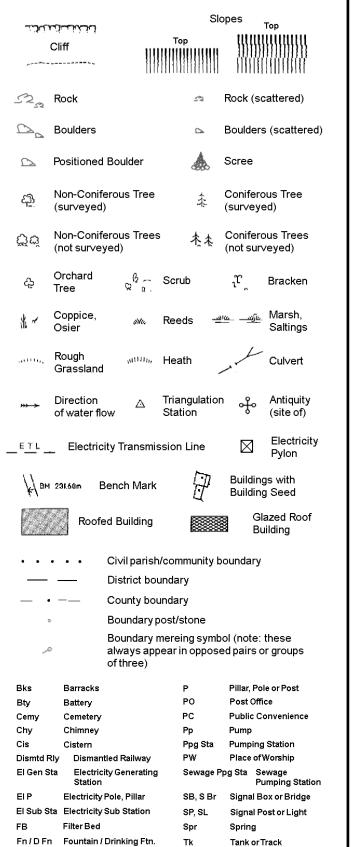
Civil Parish Boundary

London Borough Boundary

Wd Pp

Wind Pump

# 1:1,250



Gas Valve Compound

Mile Post or Mile Stone

Gas Governer

**Guide Post** 

Manhole

GVC

Tr

Wd Pp

Wks

Trough

Wind Pump Wr Pt. Wr T Water Point, Water Tap

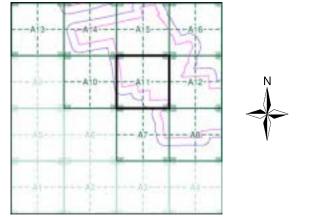
Works (building or area)



#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1973 - 1975	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

# **Historical Map - Segment A11**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 **Customer Ref:** National Grid Reference: 490330, 381530 Slice:

Site Area (Ha):

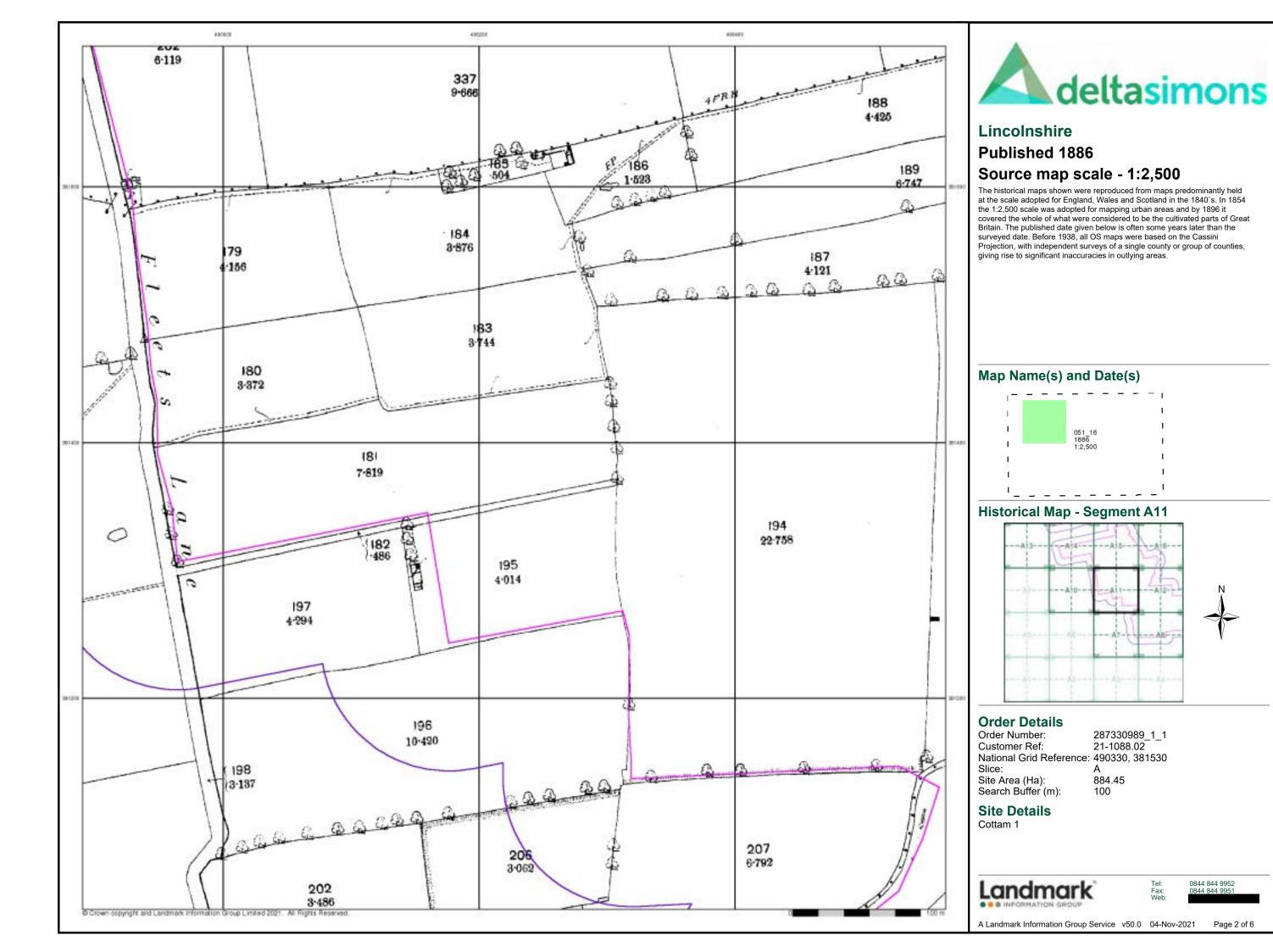
884.45 Search Buffer (m): 100

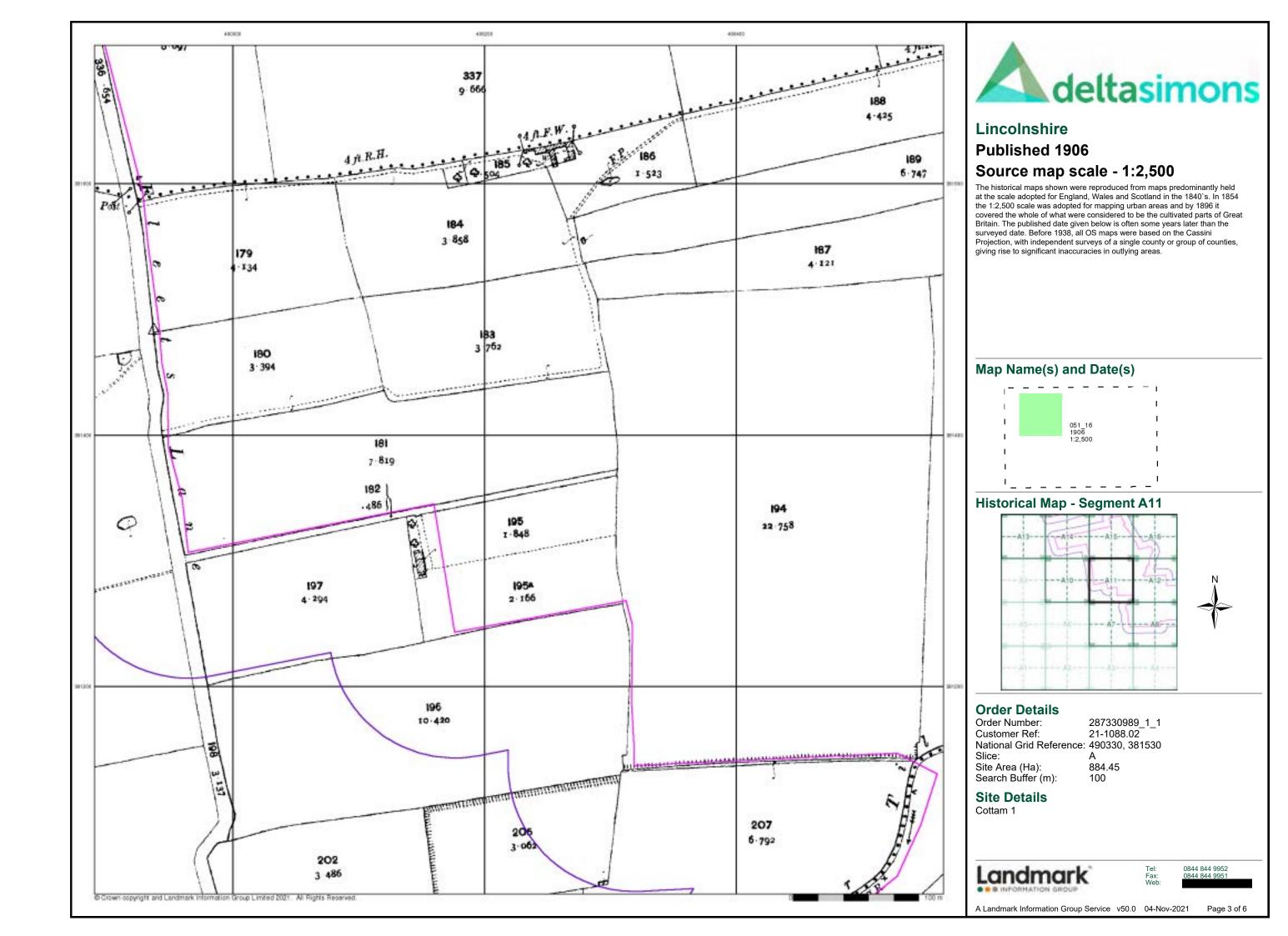
#### **Site Details** Cottam 1

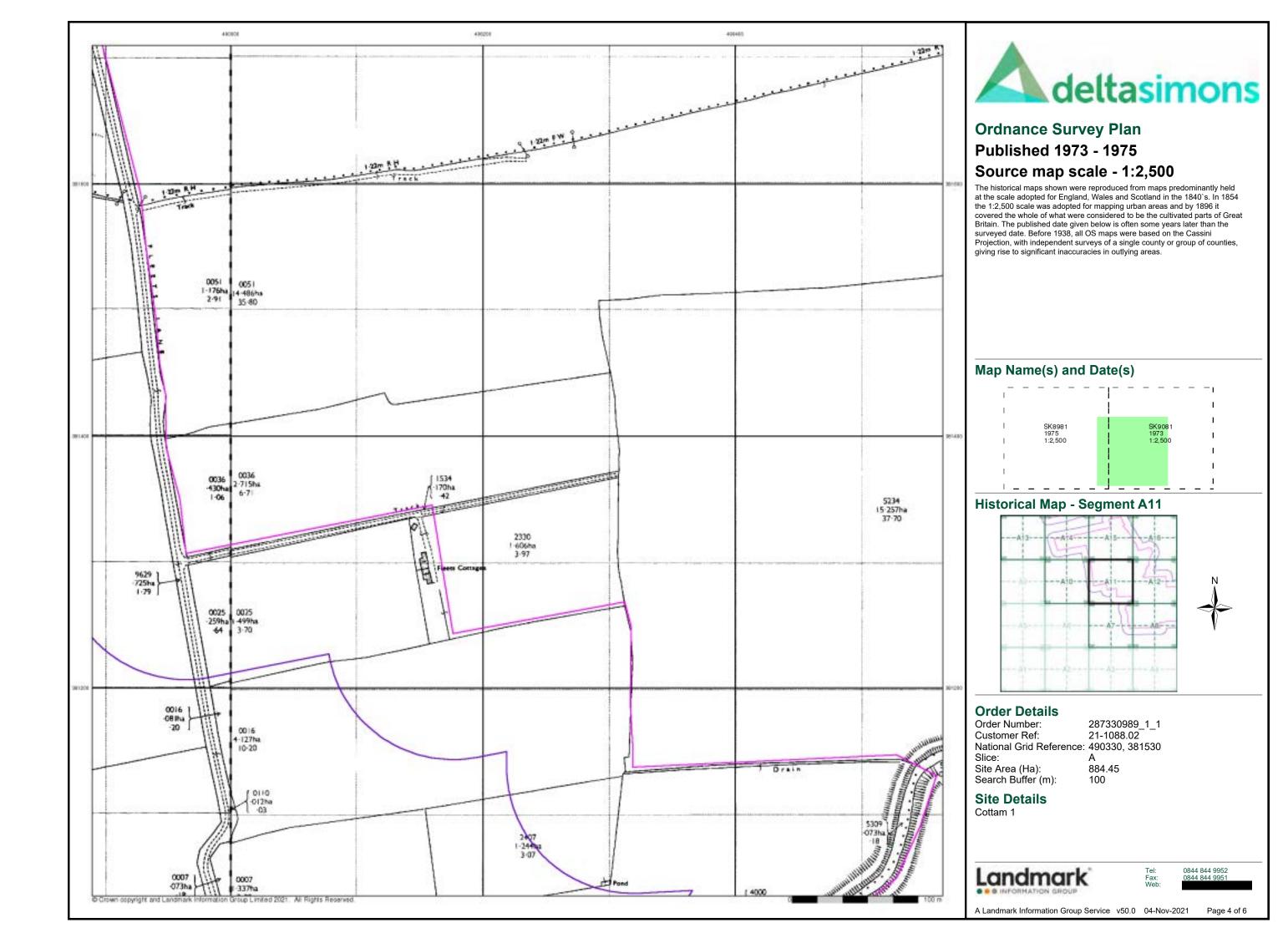
Landmark

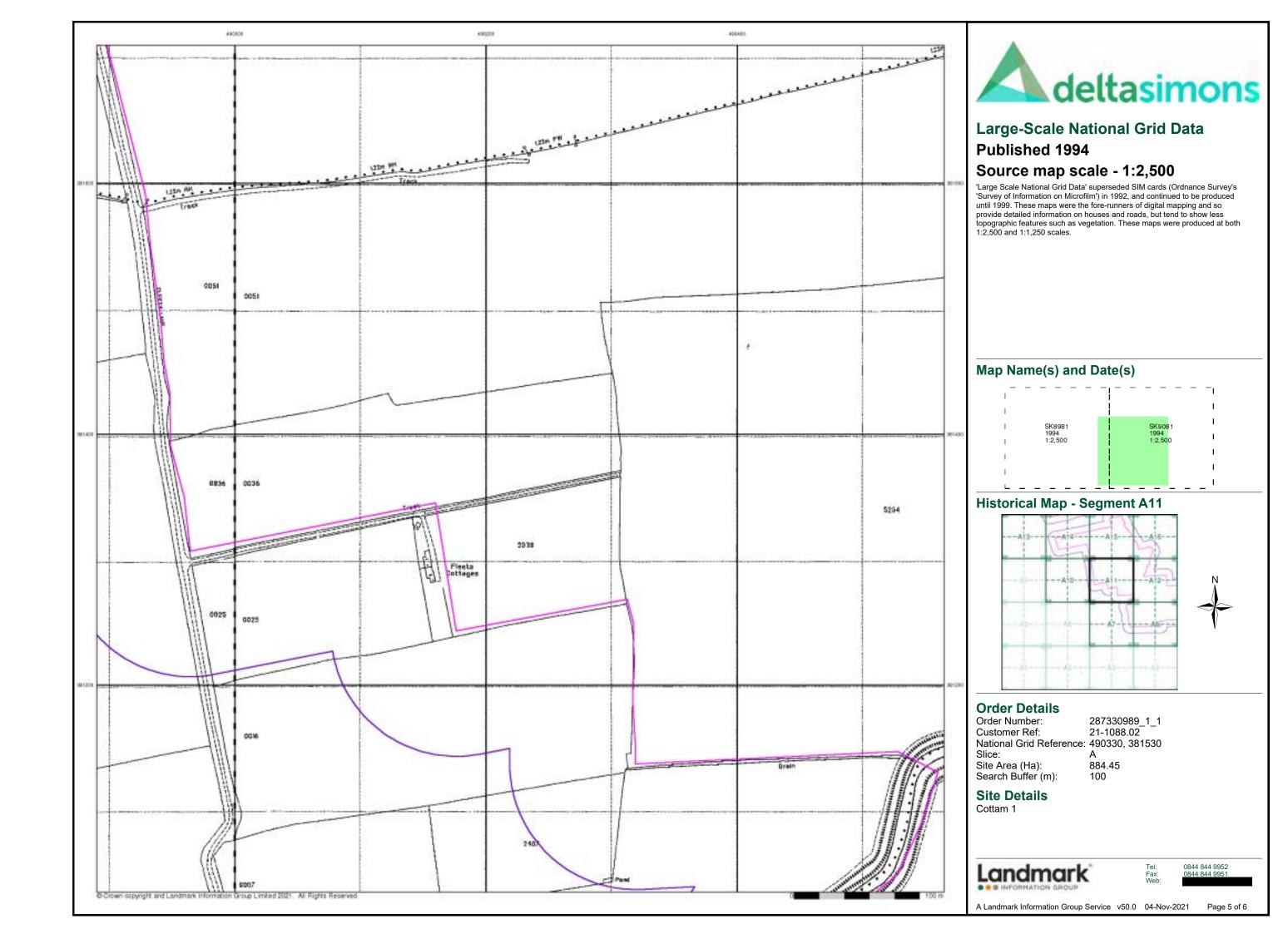
0844 844 9952

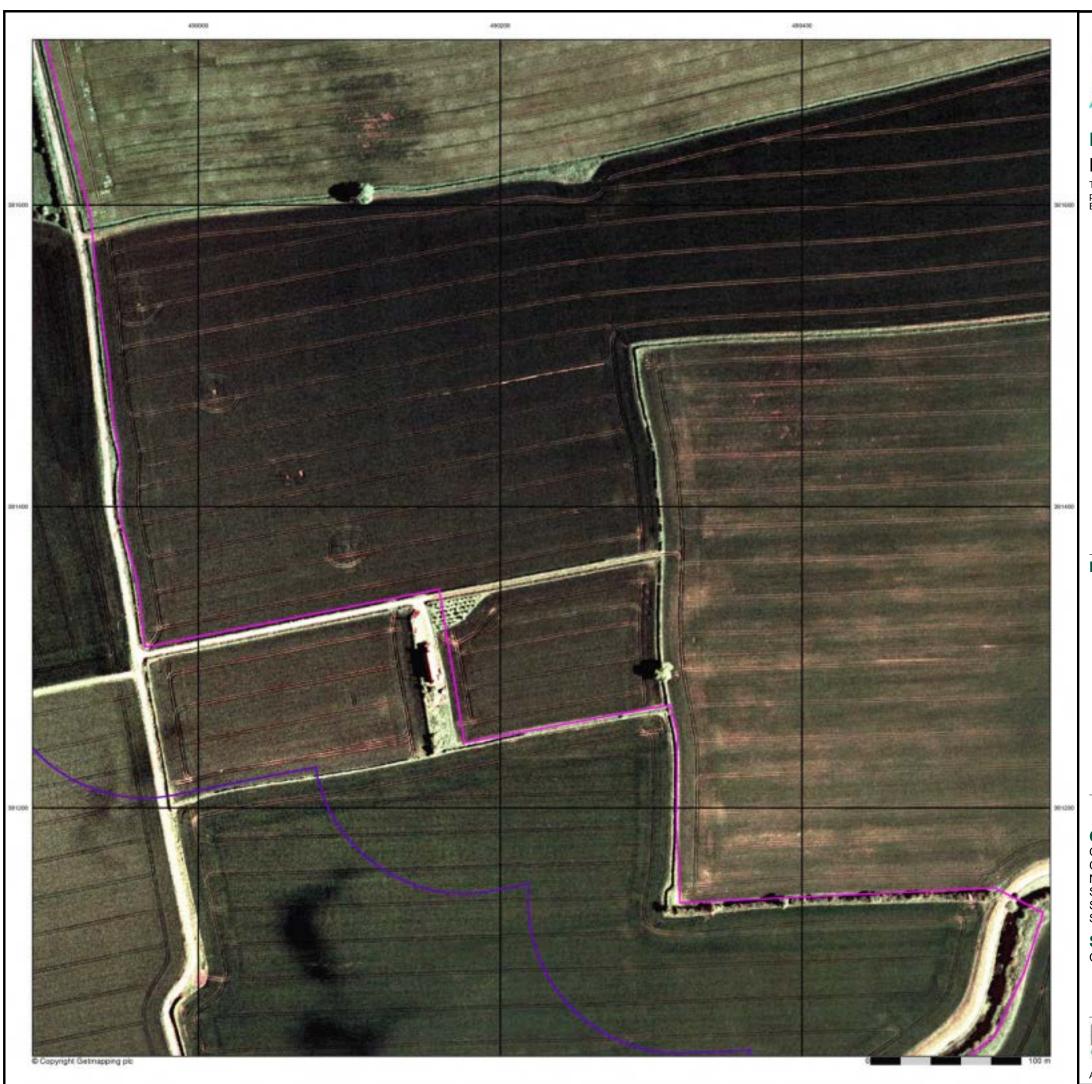
Page 1 of 6







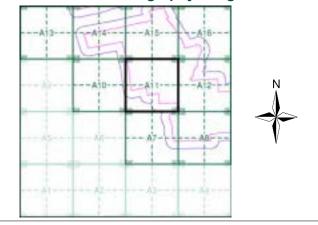






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

## **Historical Aerial Photography - Segment A11**



### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 490330, 381530

Slice:

Site Area (Ha): Search Buffer (m): 884.45 100

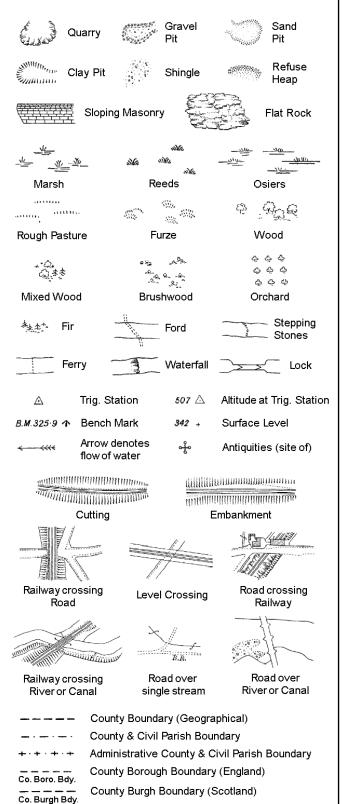
**Site Details** 

Cottam 1

Landmark

A Landmark Information Group Service v50.0 04-Nov-2021 Page 6 of 6

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



B.R.

E.P

F.B.

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

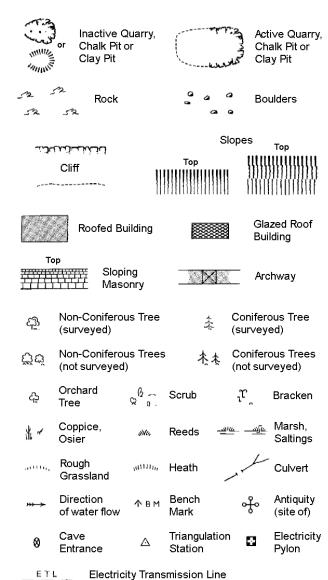
Trough Well

S.P

Sl.

Tr:

## Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



	County Boundary (Geographical)
	County & Civil Parish Boundary
	Civil Parish Boundary
· <del></del> · ·	Admin. County or County Bor. Boundary
L B Bdy	London Borough Boundary
N. C.	Symbol marking point where boundary mereing changes

· , , •		J	•		
	вн	Beer House	Р	Pillar, Pole or Post	
	BP, BS	Boundary Post or Stone	PO	Post Office	
	Cn, C	Capstan, Crane	PC	Public Convenience	
	Chy	Chimney	PH	Public House	
	D Fn	Drinking Fountain	Pp	Pump	
	EIP	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge	
	FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light	
	FB	Foot Bridge	Spr	Spring	
	GP	Guide Post	Tk	Tank or Track	
	Н	Hydrant or Hydraulic	TCB	Telephone Call Box	
	LC	Level Crossing	TCP	Telephone Call Post	
	МН	Manhole	Tr	Trough	
	MP	Mile Post or Mooring Post	WrPt,WrT	Water Point, Water Tap	
	MS	Mile Stone	W	Well	
	NTI	Normal Tidal Limit	Wd Pn	Wind Pump	

# 1:1,250

			Slo	opes Ton
رأعالت	لكنائبان		Тор	Top
	Cliff	1111111	HILLINGH	111111111111111111111111111111111111111
,				
25	Rock		23	Rock (scattered)
$ \Box $	Boulders		0	Boulders (scattered)
	Positioned	l Boulder		Scree
<u>කු</u>	Non-Conif (surveyed	erous Tree	\$	Coniferous Tree (surveyed)
ජීප්	Non-Conit (not surve	erous Trees yed)	杰杰	Coniferous Trees (not surveyed)
දා	Orchard Tree	ထွ <sup>ဖြ</sup> ဲ့ . So	crub	رَّد Bracken
* ~	Coppice, Osier	<i>≫</i> u Re	eeds 🛥	Marsh, Saltings
actility.	Rough Grassland	anna, He	eath	Culvert
<del>*** &gt;</del>	Direction of water fl		iangulatior ation	Antiquity (site of)
ETL_	_ Electric	city Transmissio	on Line	Electricity Pylon
/ <del>/</del> / вм	231.6ûm [	Bench Mark		Buildings with Building Seed
	Roof	ed Building		Glazed Roof Building
• •		Civil parish/co	<del>-</del>	oundary
		District bound	lary	
_ •		County bound	ary	
c	,	Boundary pos	t/stone	
٨				ol (note: these ed pairs or groups
Bks	Barracks		Р	Pillar, Pole or Post
Bty	Battery		PO	Post Office
Cemy	Cemetery		PC	Public Convenience
Chy	Chimney		Pp	Pump
Cis	Cistern		Ppg Sta	Pumping Station
Dismtd F		itled Railway	PW	Place of Worship
El Gen S	ta Electric	ity Generating	Sewage P	pg Sta Sewage
FIR	Station		OD 0.5	Pumping Station
EIP		Pole, Pillar	SB, S Br	Signal Box or Bridge
	ta Electricity	Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed		Spr	Spring

Fn / D Fn Fountain / Drinking Ftn.

Gas Governer

**Guide Post** 

Manhole

Gas Valve Compound

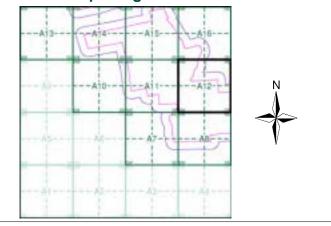
Mile Post or Mile Stone



## **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1973	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

## **Historical Map - Segment A12**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 490330, 381530 Slice:

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

884.45

**Site Details** Cottam 1

Tank or Track

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Tr

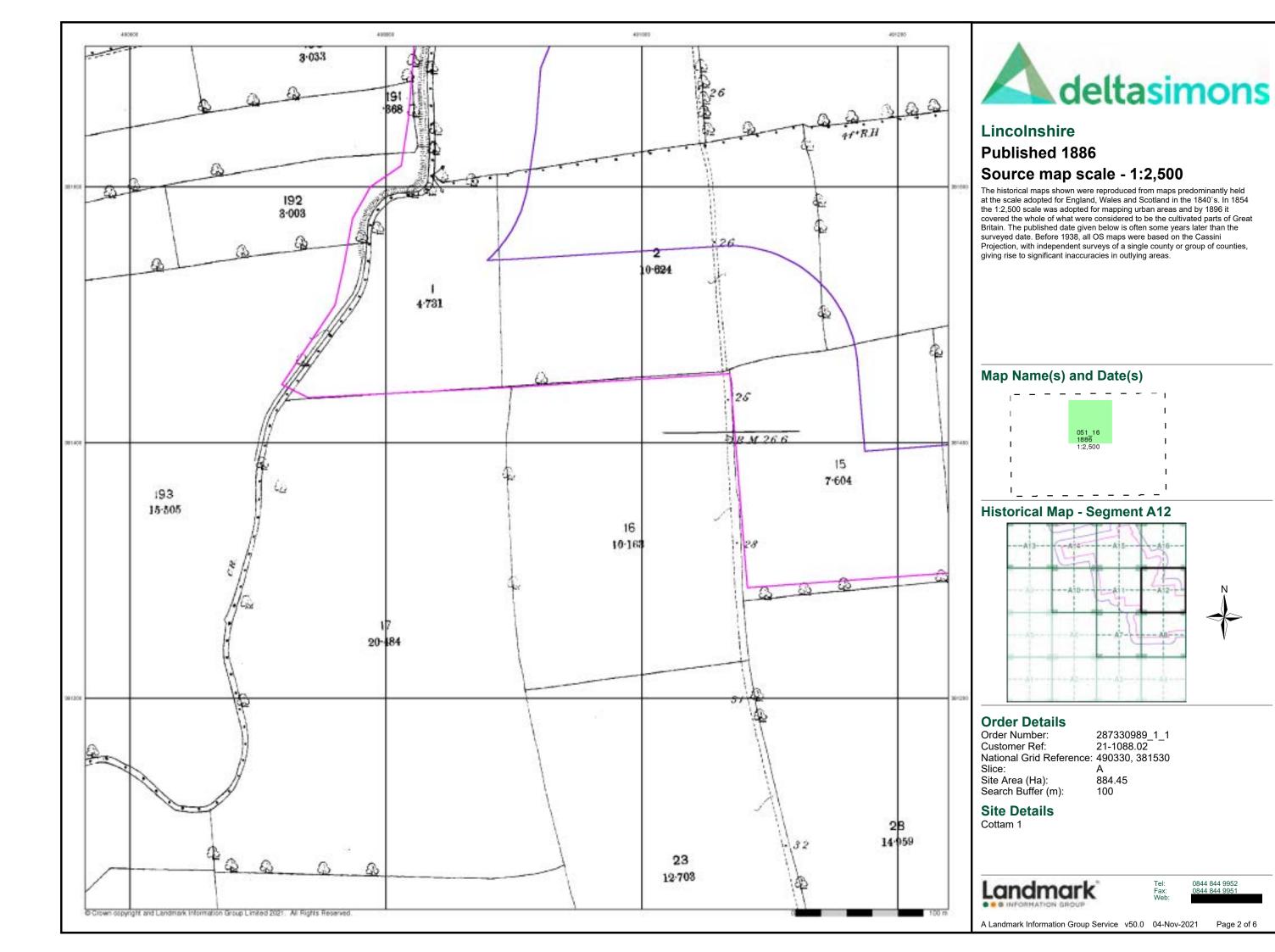
Wd Pp

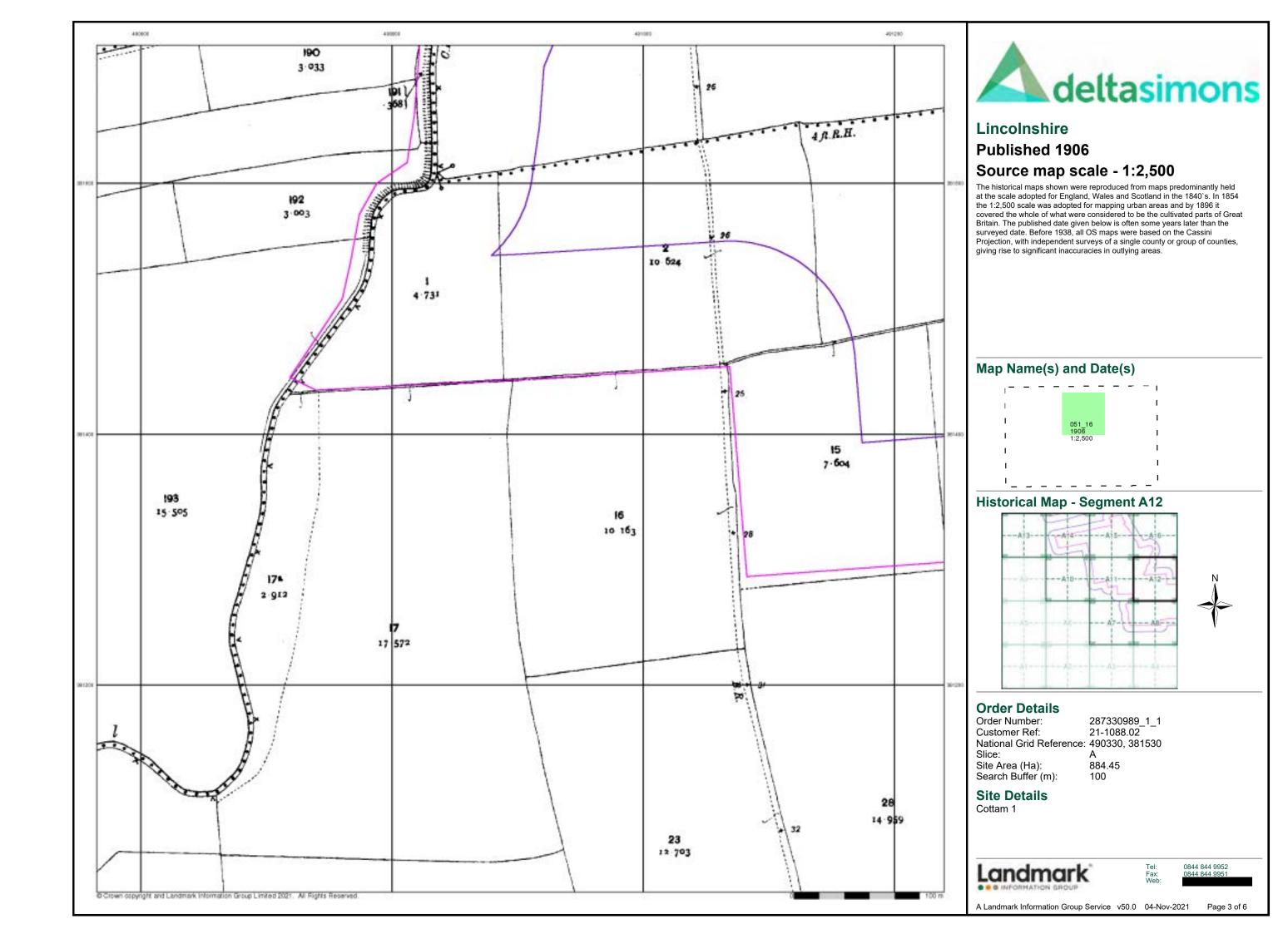
Wks





Page 1 of 6





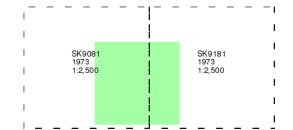




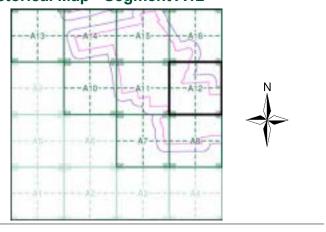
## **Ordnance Survey Plan** Published 1973 Source map scale - 1:2,500

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 A12**



#### **Order Details**

 Order Number:
 287330989\_1\_1

 Customer Ref:
 21-1088.02

 National Grid Reference:
 490330, 381530

Site Area (Ha): Search Buffer (m): 884.45

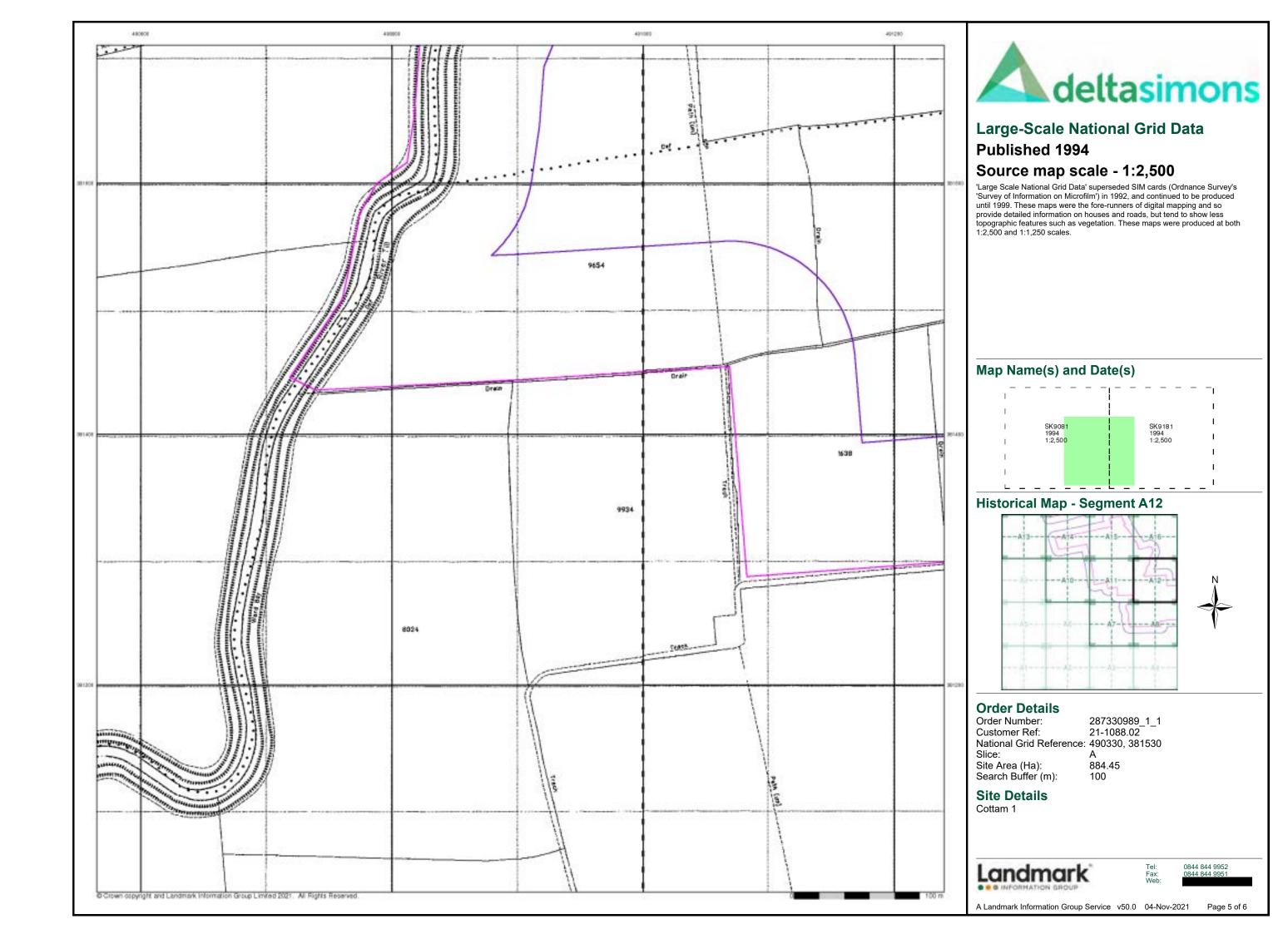
## **Site Details**

Cottam 1



0844 844 9952

Page 4 of 6

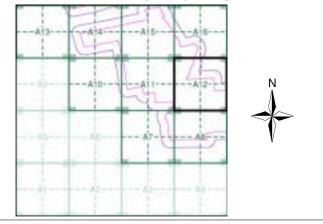






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

## **Historical Aerial Photography - Segment A12**



### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 490330, 381530

Slice:

Site Area (Ha): Search Buffer (m): 884.45 100

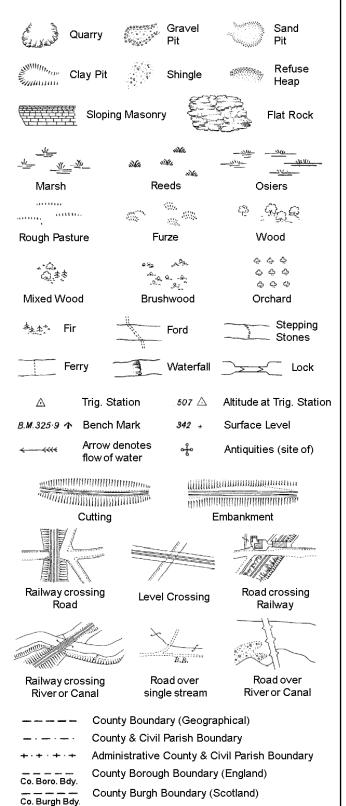
## **Site Details**

Cottam 1

Landmark'

0844 844 9952 0844 844 9951

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



B.R.

E.P

F.B.

M.S

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Guide Post or Board

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

Trough

Well

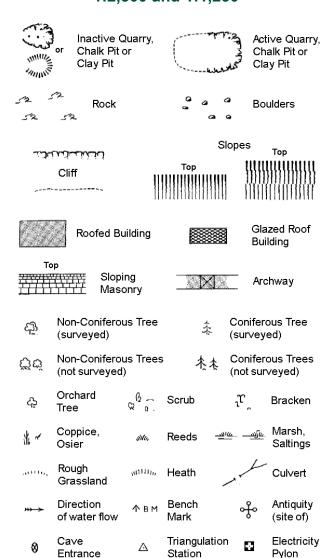
S.P

T.C.B

Sl.

 $T_T$ 

Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



**Electricity Transmission Line** County Boundary (Geographical)

County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary mereing changes

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

GVC

MP, MS

Gas Governer

Mile Post or Mile Stone

**Guide Post** 

Manhole

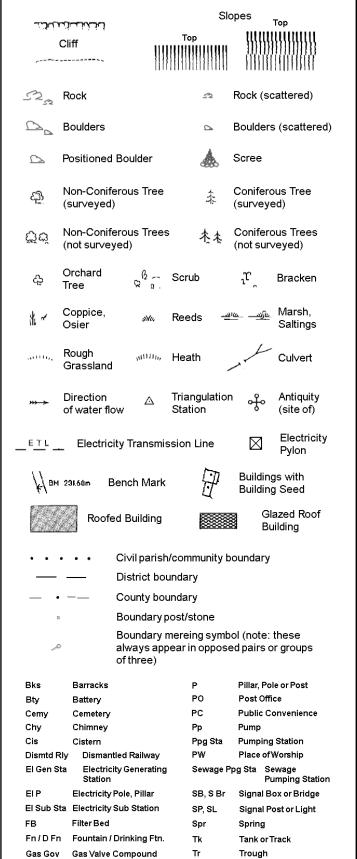
Wd Pp

Wks

Wind Pump Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

# 1:1,250

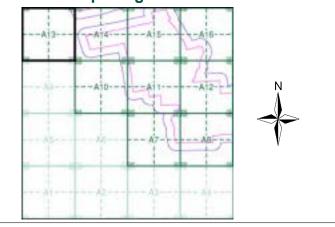




#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1975	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

## **Historical Map - Segment A13**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 **Customer Ref:** National Grid Reference: 490330, 381530 Slice:

Site Area (Ha):

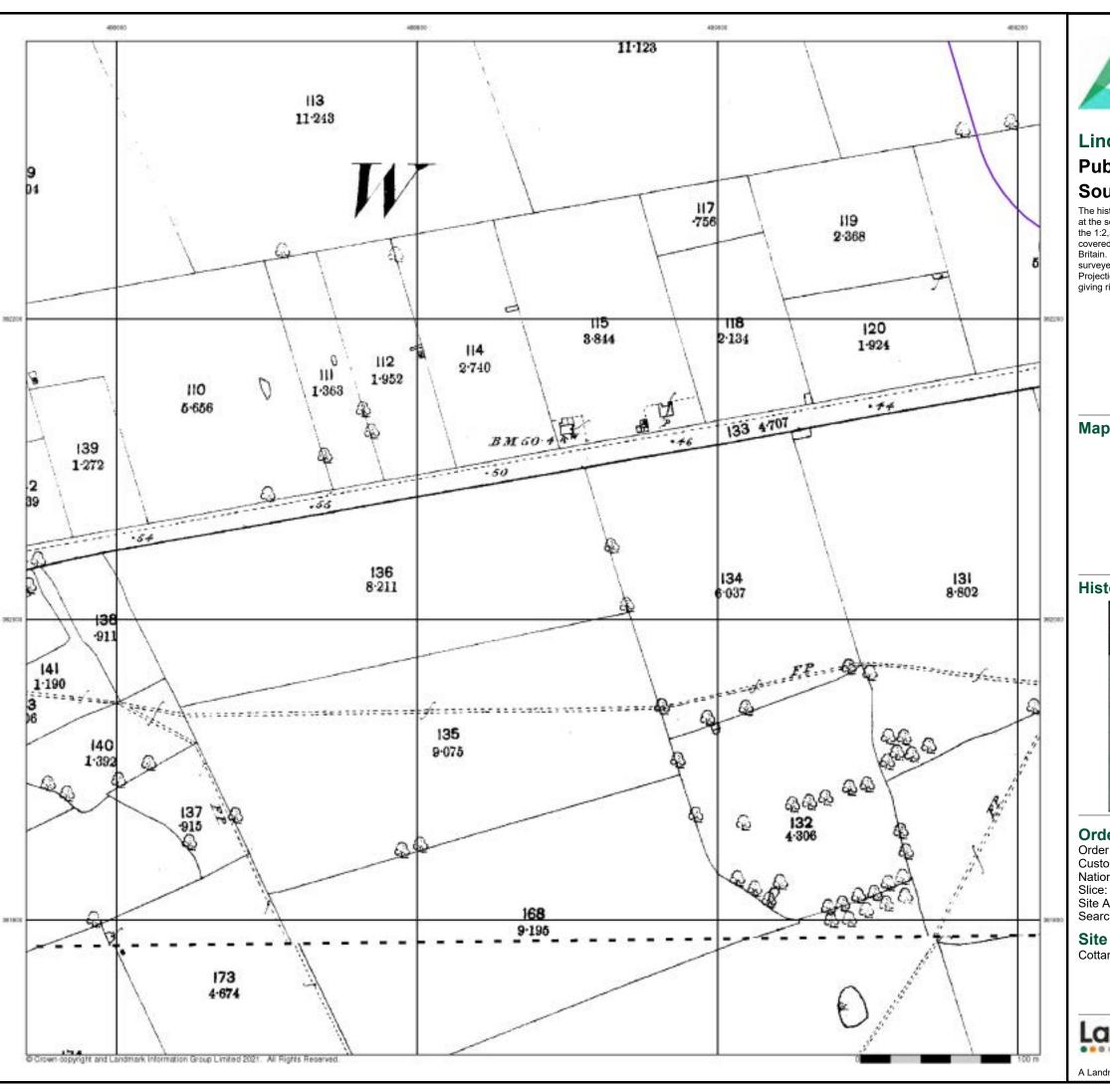
884.45 Search Buffer (m): 100

**Site Details** Cottam 1

Landmark

0844 844 9952

Page 1 of 6

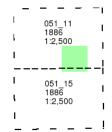




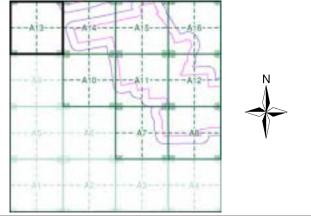
## **Published 1886** Source map scale - 1:2,500

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: 287330989\_1\_1 21-1088.02 Customer Ref: National Grid Reference: 490330, 381530

Site Area (Ha): Search Buffer (m): 884.45 100

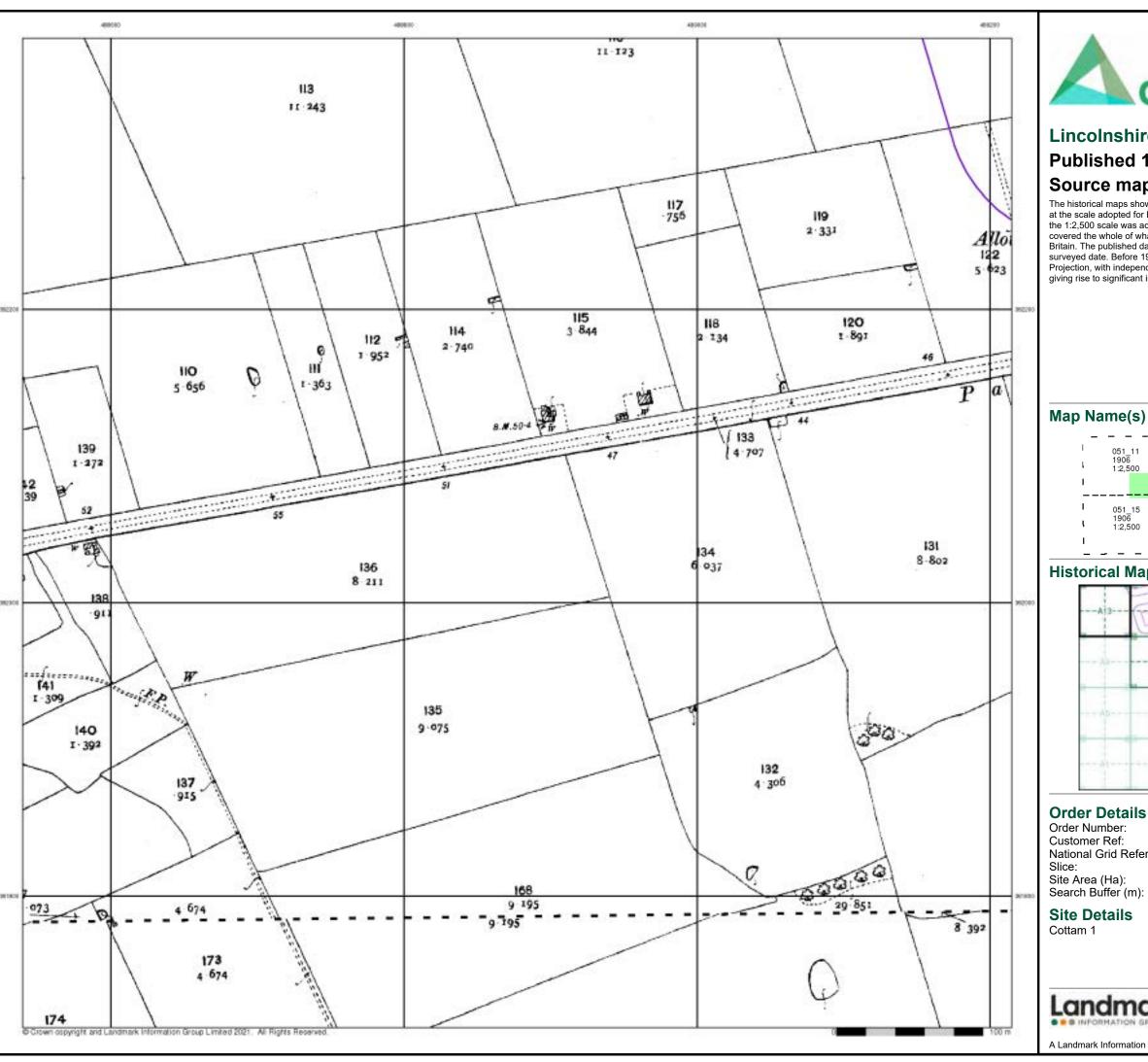
## **Site Details**

Cottam 1



0844 844 9952

Page 2 of 6



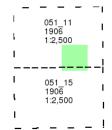


# Published 1906

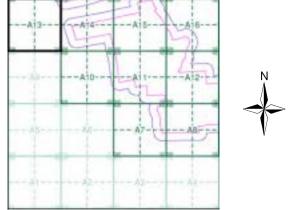
## Source map scale - 1:2,500

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**



287330989\_1\_1 21-1088.02 National Grid Reference: 490330, 381530

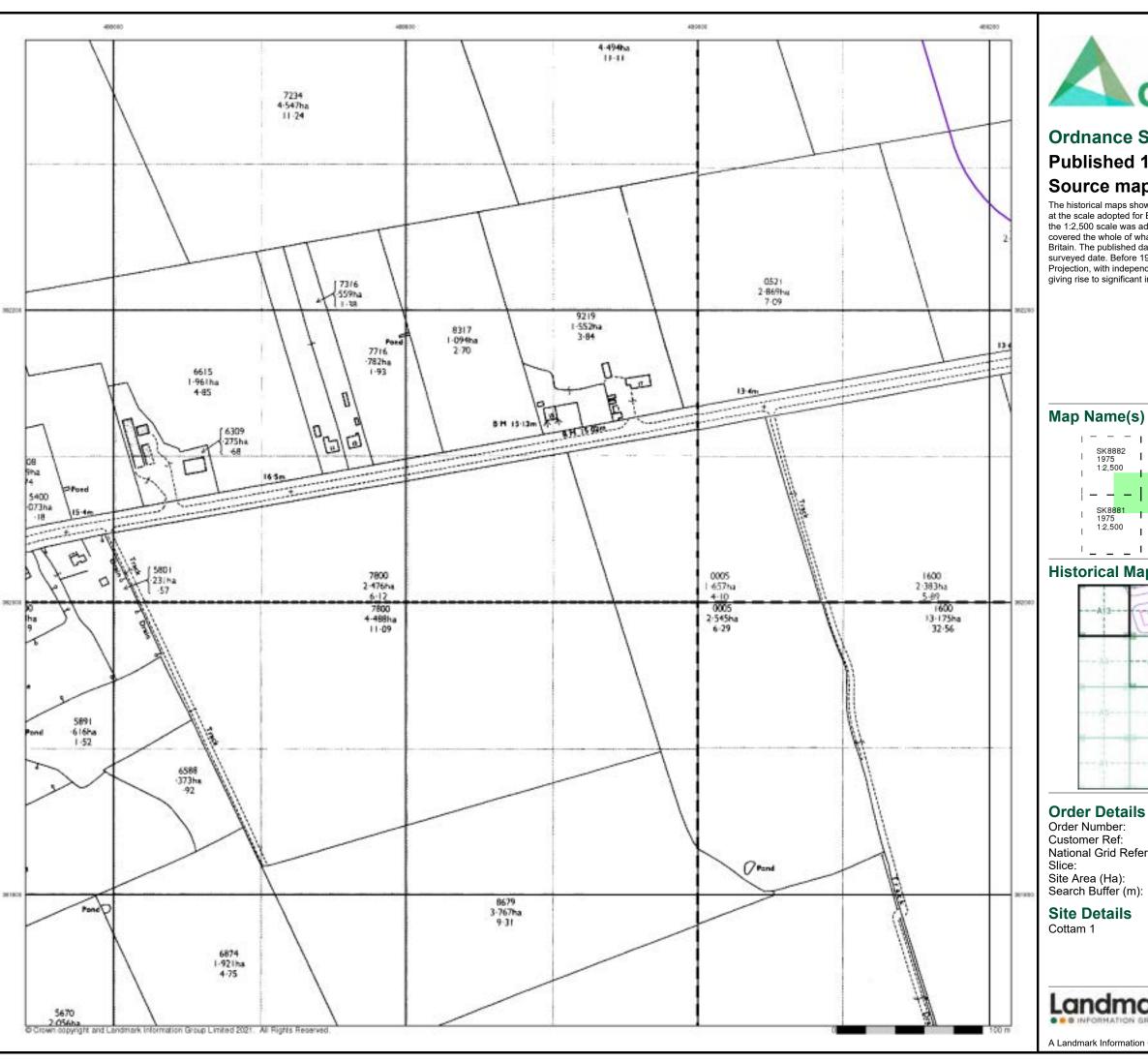
884.45 100



0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021

Page 3 of 6





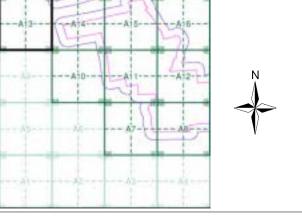
## **Ordnance Survey Plan Published 1975** Source map scale - 1:2,500

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 surveyes of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

## Map Name(s) and Date(s)

1 -		_	ı -		-	- I
1	SK88 1975		ı	SK8 1975	5	I
1	1:2,50	00		1:2,5	00	- 1
-		-	-			-
1	SK88 1975	81	ı	SK8		- 1
1	1:2,50	00	ı	1:2,5	00	I
1_		_	۱_	_		_ 1

## **Historical Map - Segment A13**

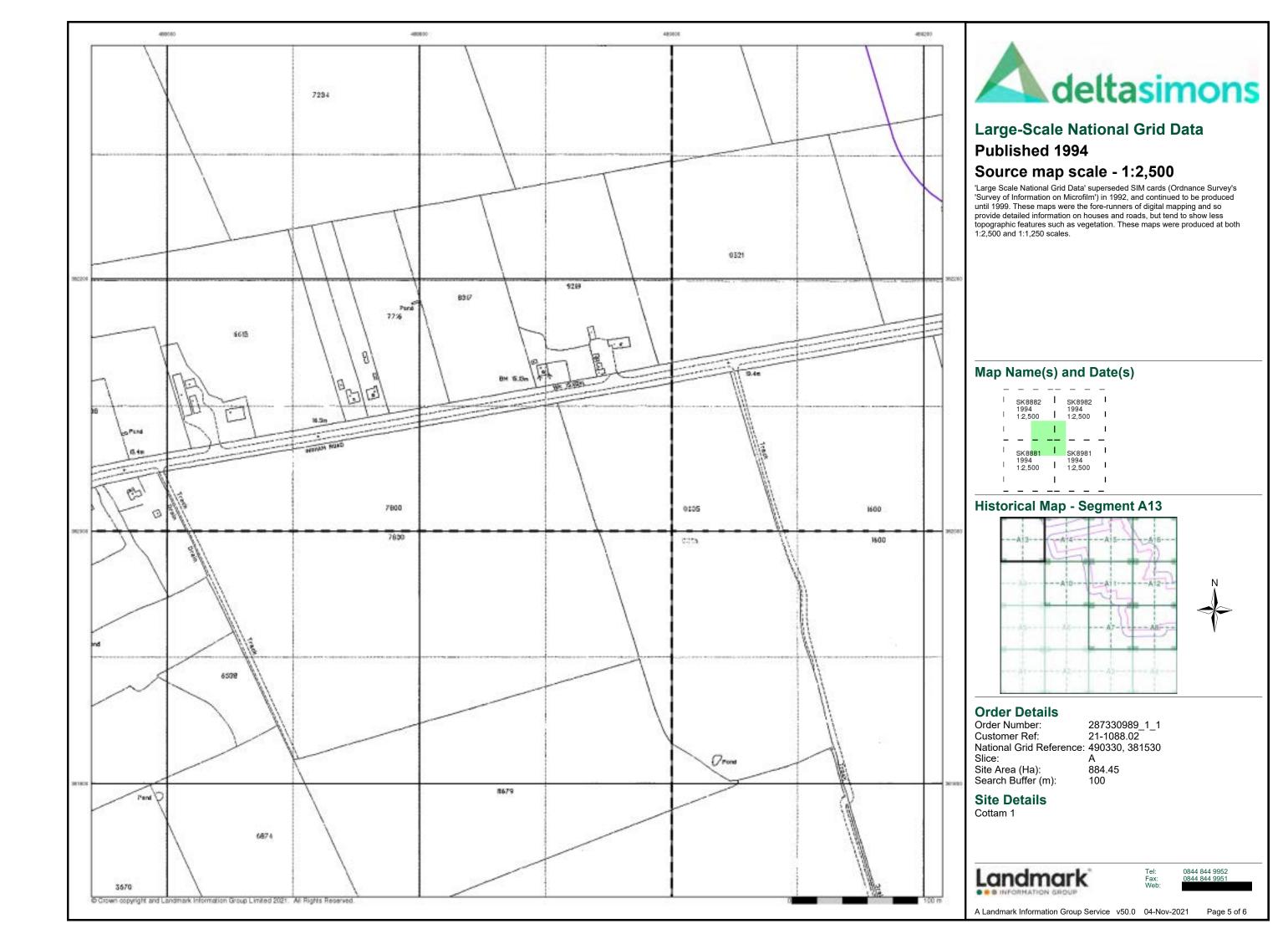


Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 490330, 381530

884.45



0844 844 9952

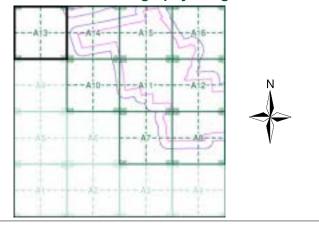






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

## **Historical Aerial Photography - Segment A13**



### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 490330, 381530

Slice:

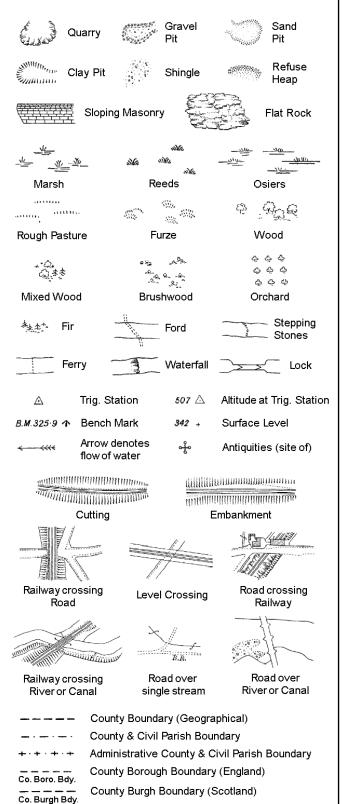
A 884.45 100 Site Area (Ha): Search Buffer (m):

**Site Details** 

Cottam 1

Landmark

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



B.R.

E.P

F.B.

M.S

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

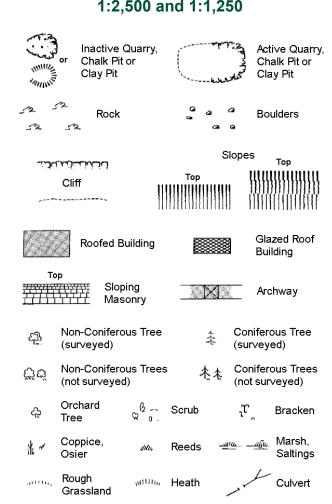
Trough Well

S.P

Sl.

Tr:

Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



of water flow Cave Triangulation Ŧ. **Electricity Transmission Line** 

Bench

Antiquity

(site of)

Electricity

GVC

Gas Governer

Mile Post or Mile Stone

**Guide Post** 

Manhole

Wd Pp

Wks

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Direction

County Boundary (Geographical) County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary mereing changes

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

# 1:1,250

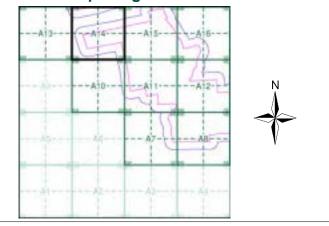
			Sle	opes	
وأملاند	للنابلي		Тор	1111111	Top 
	Cliff	1111	HIIIIIIIIIIIII		
Da	Rock		7,5	Rock (so	cattered)
$\square_{\triangle}$	Boulders		0	Boulders	s (scattered)
	Positioned	Boulder		Scree	
<u>ක</u> ු	Non-Conifo (surveyed)	erous Tree	*	Conifero	
ర్లోలే	Non-Conife (not surve	erous Trees /ed)	***	Coniferd (not sur	ous Trees /eyed)
දා	Orchard Tree	Q a.	Scrub	າຕັ	Bracken
* ~	Coppice, Osier	siVe,	Reeds -	)രെ <i>—മി</i> ര	Marsh, Saltings
actities,	Rough Grassland	шин,	Heath	1	Culvert
<del>**&gt; &gt;</del>	Direction of water flo	ow A	Triangulation Station	, &	Antiquity (site of)
E_T_L	_ Electric	ity Transmis	sion Line	$\boxtimes$	Electricity Pylon
\ <sup>€</sup> / вм	231.60m E	ench Mark	7	Building Building	gs with g Seed
	Roofe	ed Building		88	azed Roof iilding
		Civil parish	/community b	oundary	
		District box			
		County box	-		
	,	Boundary p			
۶		Boundary r	nereing symb ear in oppose		
Bks	Barracks		Р	Pillar, Po	le or Post
Bty	Battery		PO	Post Offi	ce
Cemy	Cemetery		PC	Public C	onvenience
Chy	Chimney		Pp	Pump	
Cis	Cistern		Ppg Sta	Pumping	
Dismtd F	•	tled Railway	PW	Place of	
El Gen S	ta Electric Station	ity Generating	Sewage F		ewage umping Station
EIP	Electricity	Pole, Pillar	SB, S Br	Signal B	ox or Bridge
El Sub S	ta Electricity	Sub Station	SP, SL	Signal P	ost or Light
FB	Filter Bed		Spr	Spring	
Fn / D Fr	n Fountain /	Drinking Ftn.	Tk	Tank or T	rack
Gas Gov	Gas Valve	Compound	Tr	Trough	



## **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1975	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

## **Historical Map - Segment A14**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 **Customer Ref:** National Grid Reference: 490330, 381530 Slice: 884.45

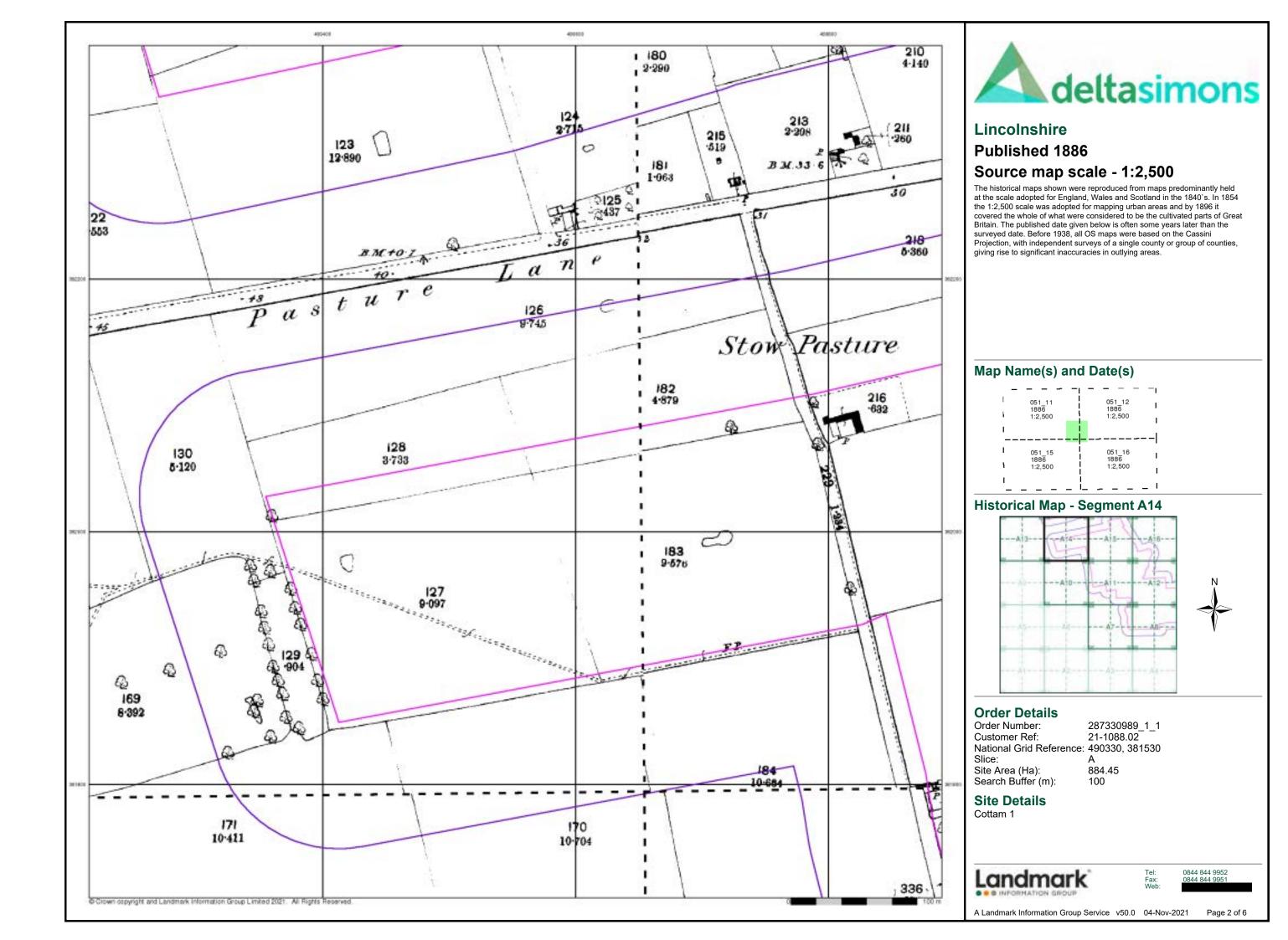
Site Area (Ha): Search Buffer (m):

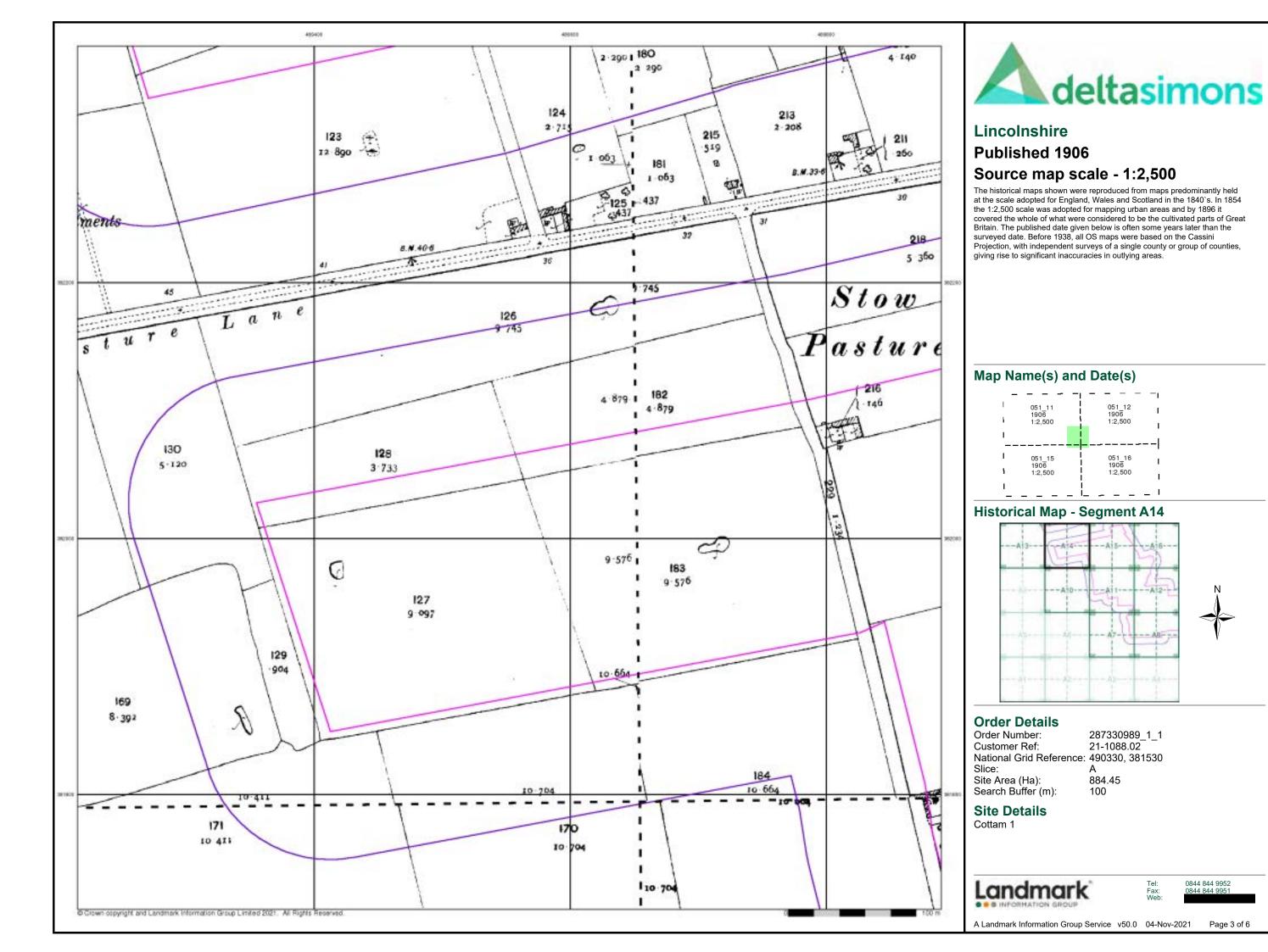
**Site Details** Cottam 1

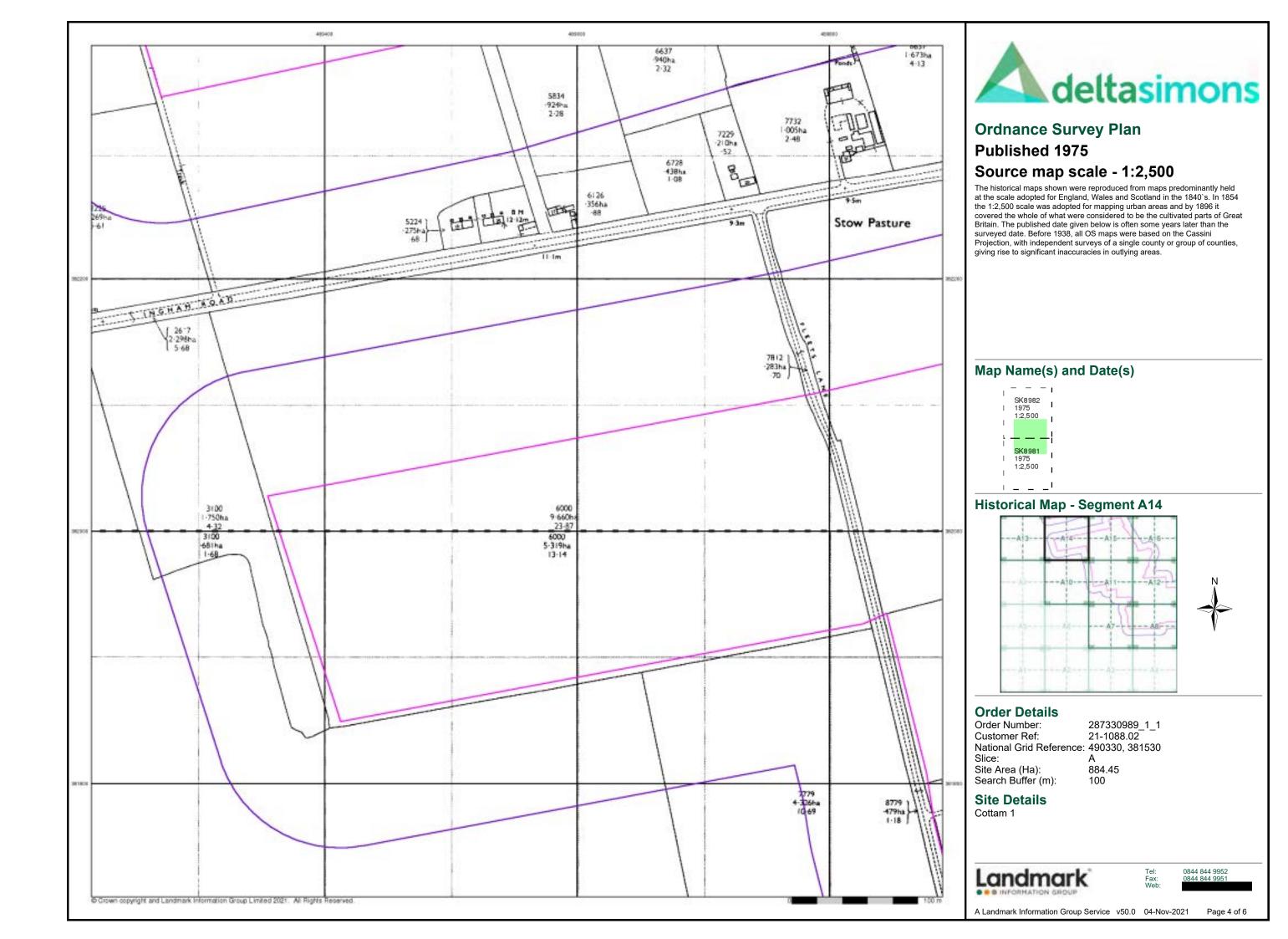
Landmark

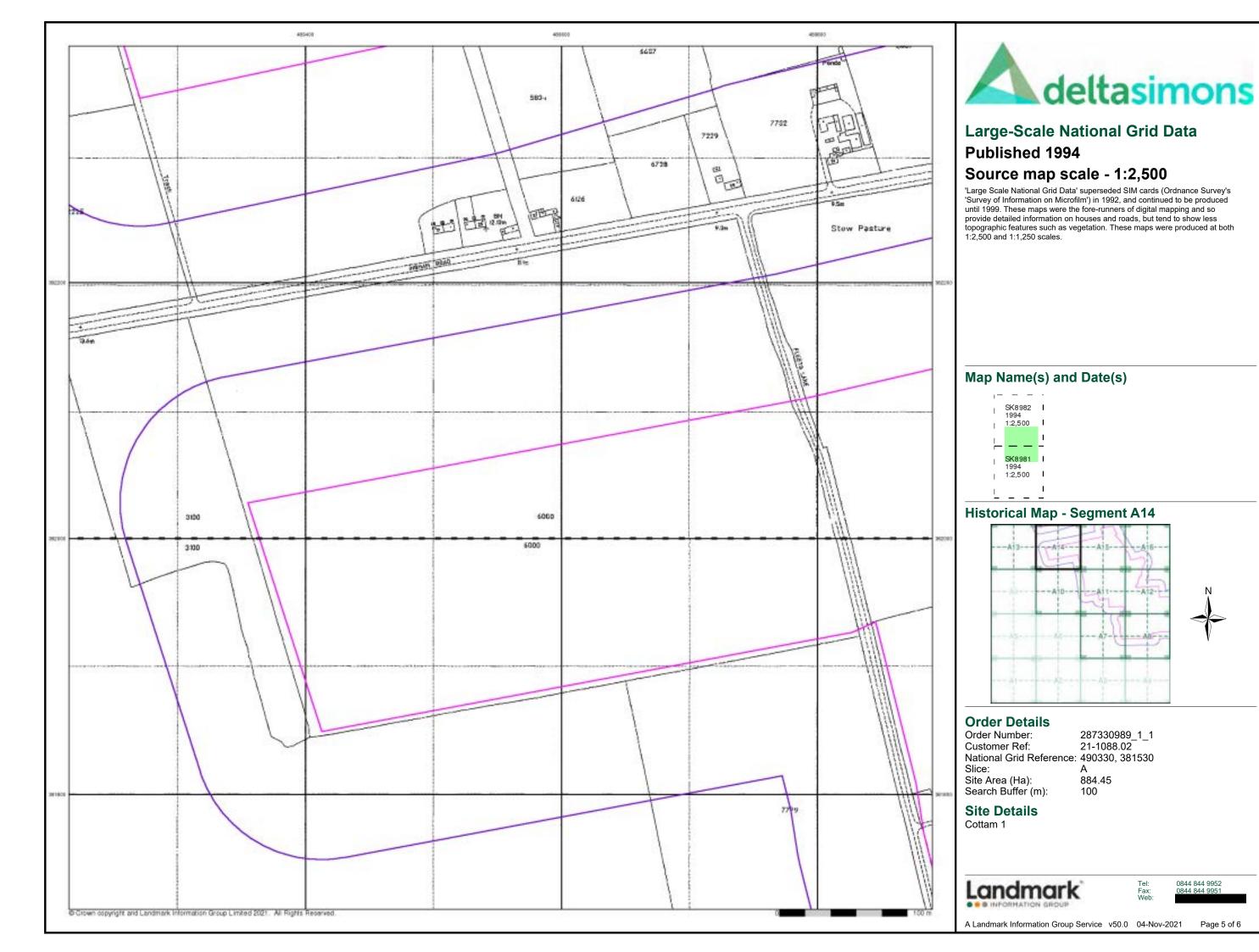
0844 844 9952

Page 1 of 6

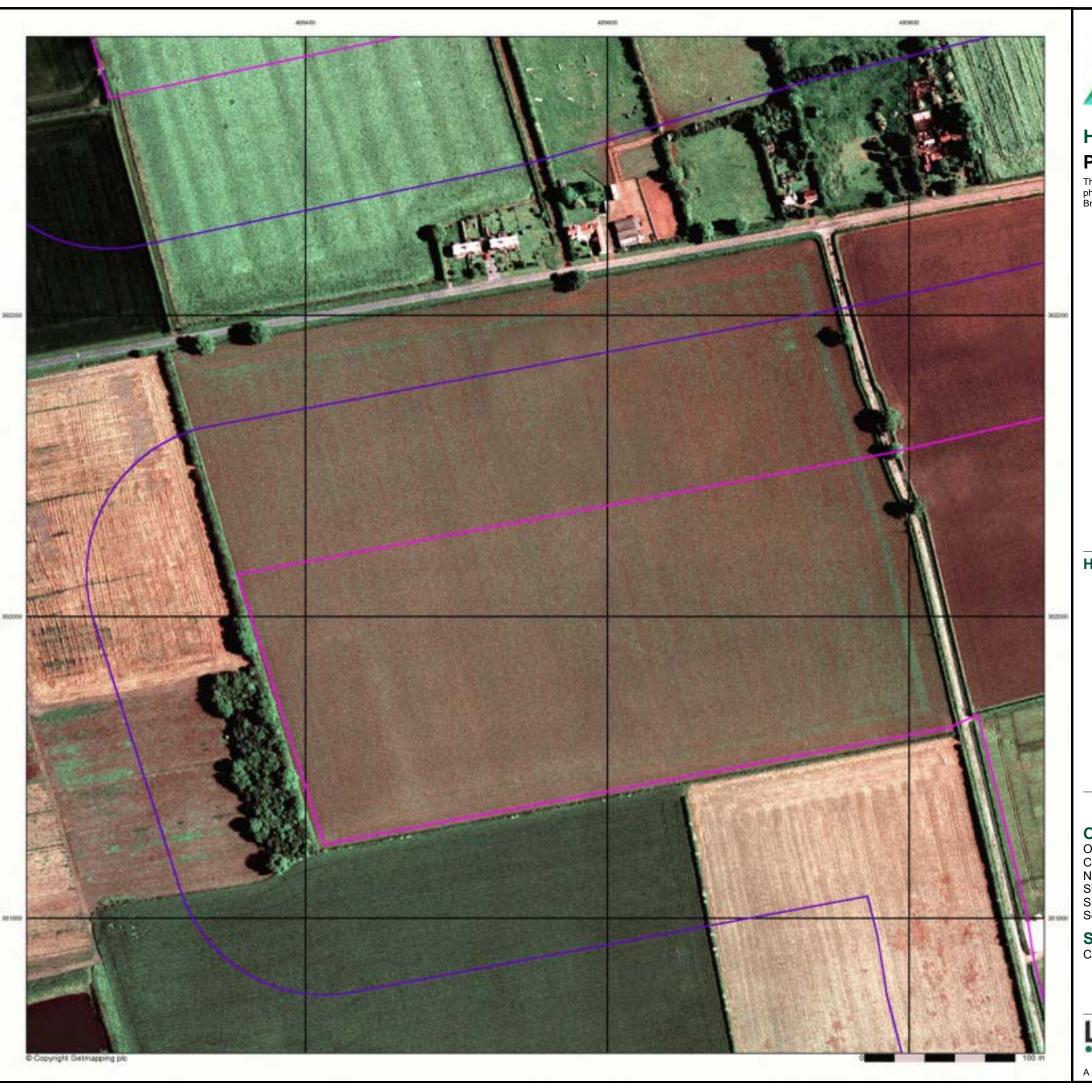








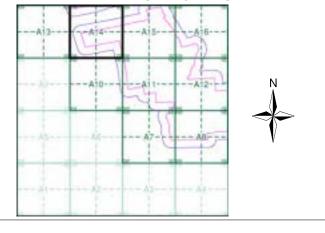
0844 844 9952





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

## **Historical Aerial Photography - Segment A14**



### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 490330, 381530

Slice:

Site Area (Ha): Search Buffer (m): 884.45 100

**Site Details** 

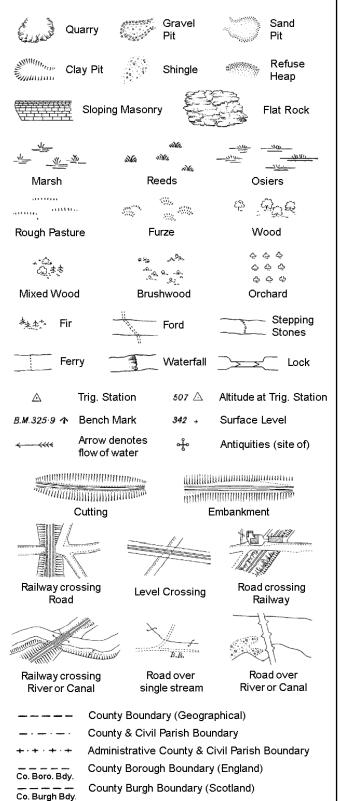
Cottam 1

Landmark

0844 844 9952 0844 844 9951

A Landmark Information Group Service v50.0 04-Nov-2021 Page 6 of 6

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



B.R.

E.P

F.B.

M.S

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Guide Post or Board

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

Trough

Well

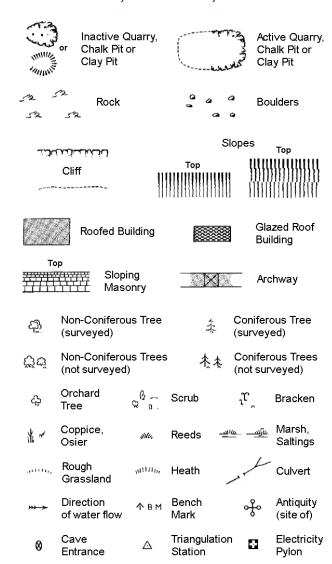
S.P

T.C.B

Sl.

 $T_{T}$ 

Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250

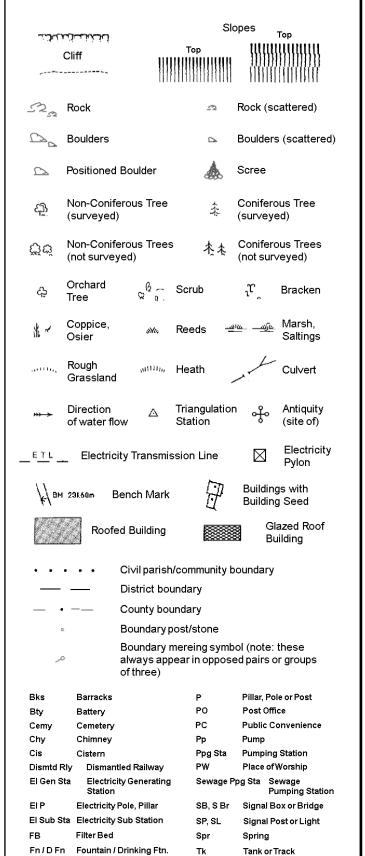


County Boundary (Geographical)		
County & Ci∨il Parish Boundary		
Ci∨il Parish Boundary		
Admin. County or County Bor. Boundary		
London Borough Boundary		
Symbol marking point where boundary mereing changes		
P Pillar, Pole or Post		
1 : 1		

**Electricity Transmission Line** 

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

# 1:1,250



Gas Valve Compound

Mile Post or Mile Stone

Gas Governer

**Guide Post** 

Manhole

GVC

MP, MS

Tr

Wd Pp

Wks

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

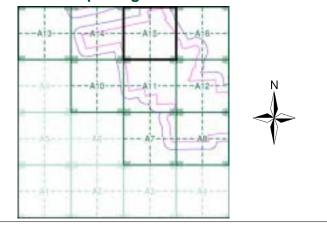
Works (building or area)



#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1973 - 1975	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

## **Historical Map - Segment A15**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 **Customer Ref:** National Grid Reference: 490330, 381530 Slice:

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

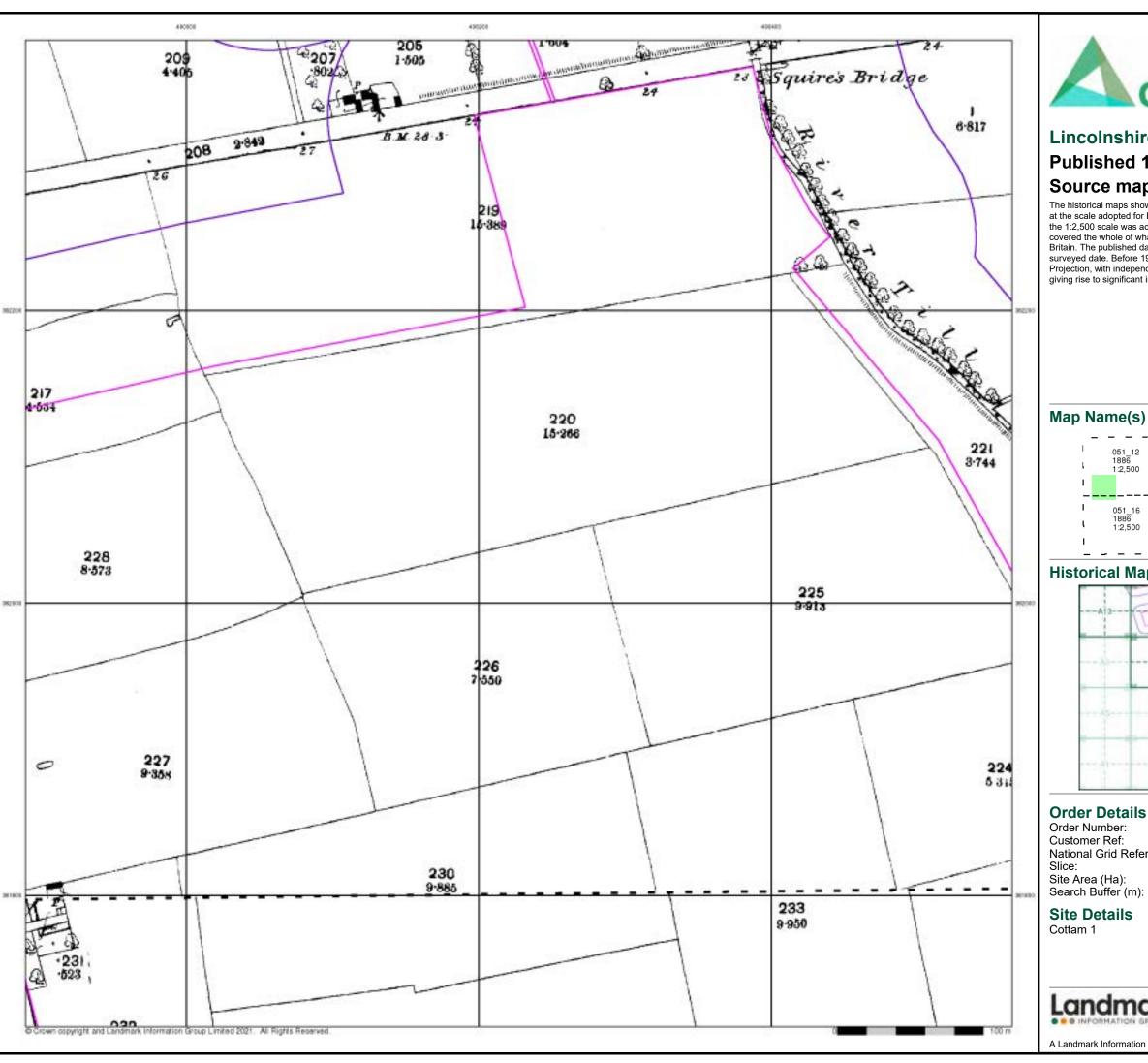
884.45 100

**Site Details** Cottam 1



0844 844 9952

Page 1 of 6

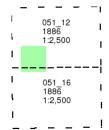




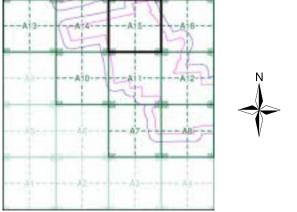
## Published 1886 Source map scale - 1:2,500

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 A15**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 Customer Ref: National Grid Reference: 490330, 381530

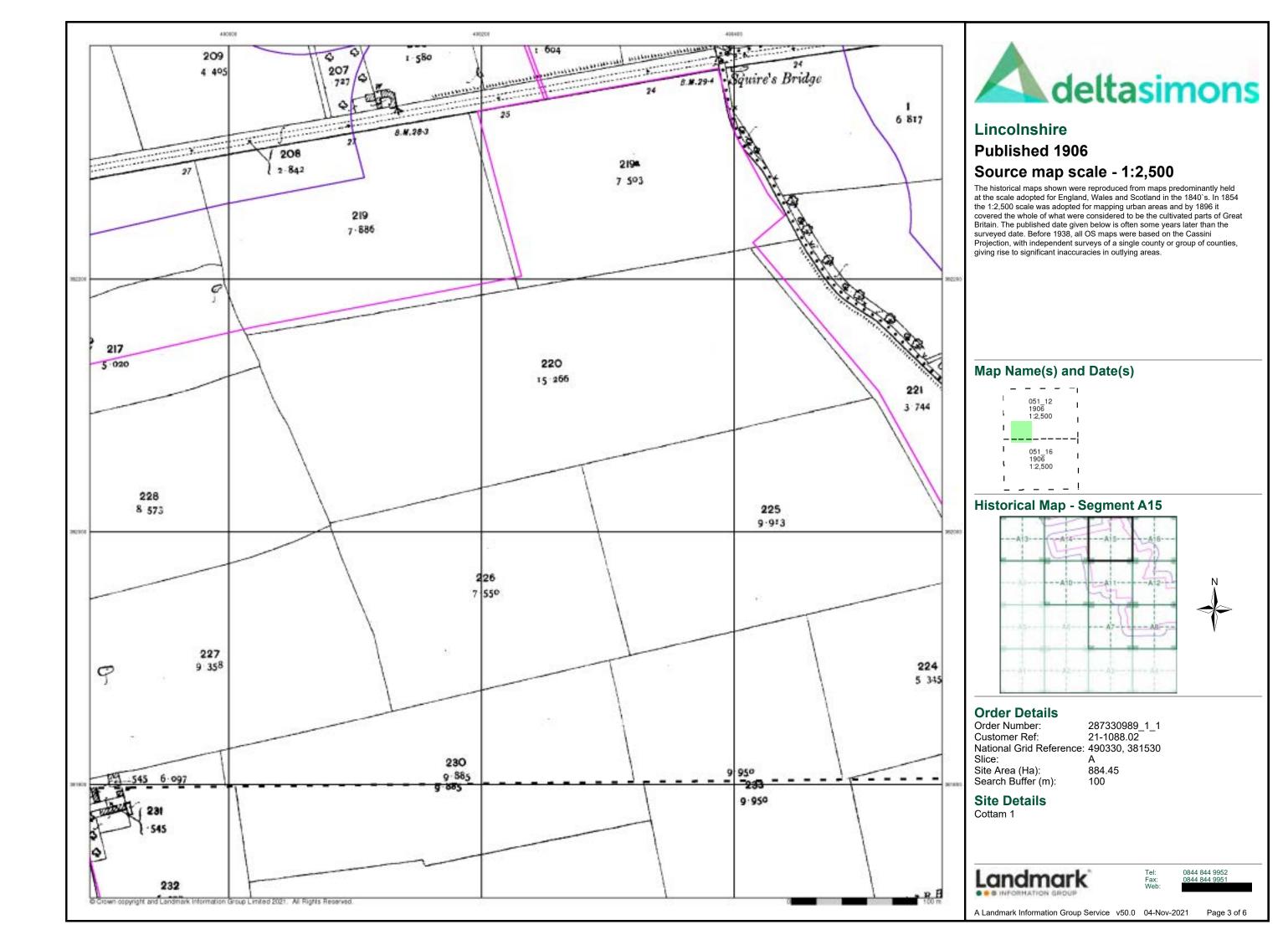
884.45 100

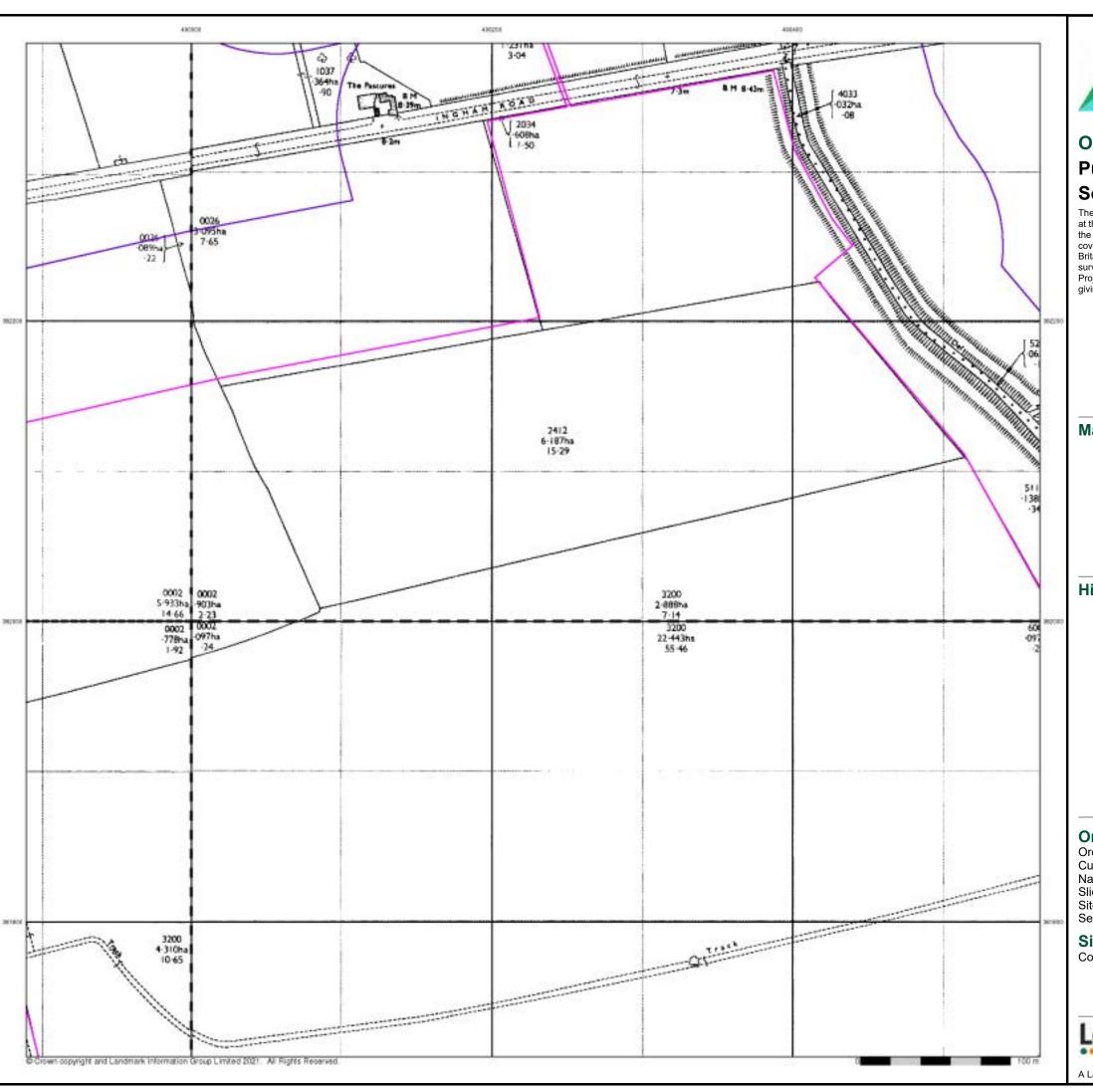
## **Site Details**



0844 844 9952

Page 2 of 6



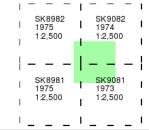




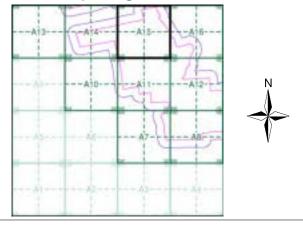
## **Ordnance Survey Plan Published 1973 - 1975** Source map scale - 1:2,500

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 A15**



#### **Order Details**

Order Number: 287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 490330, 381530 Slice:

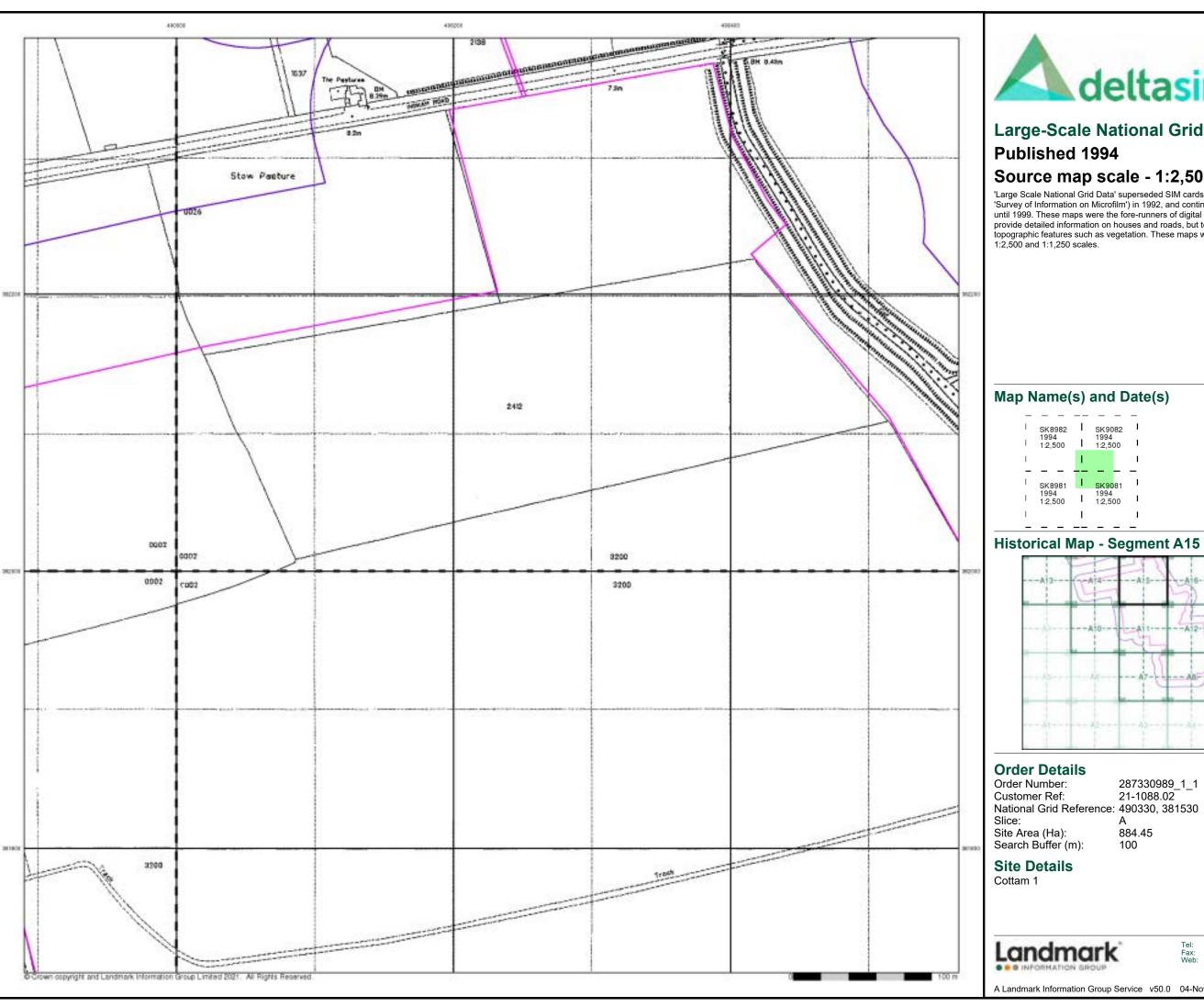
Site Area (Ha): Search Buffer (m): 884.45

## **Site Details**

Cottam 1



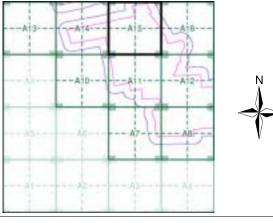
0844 844 9952





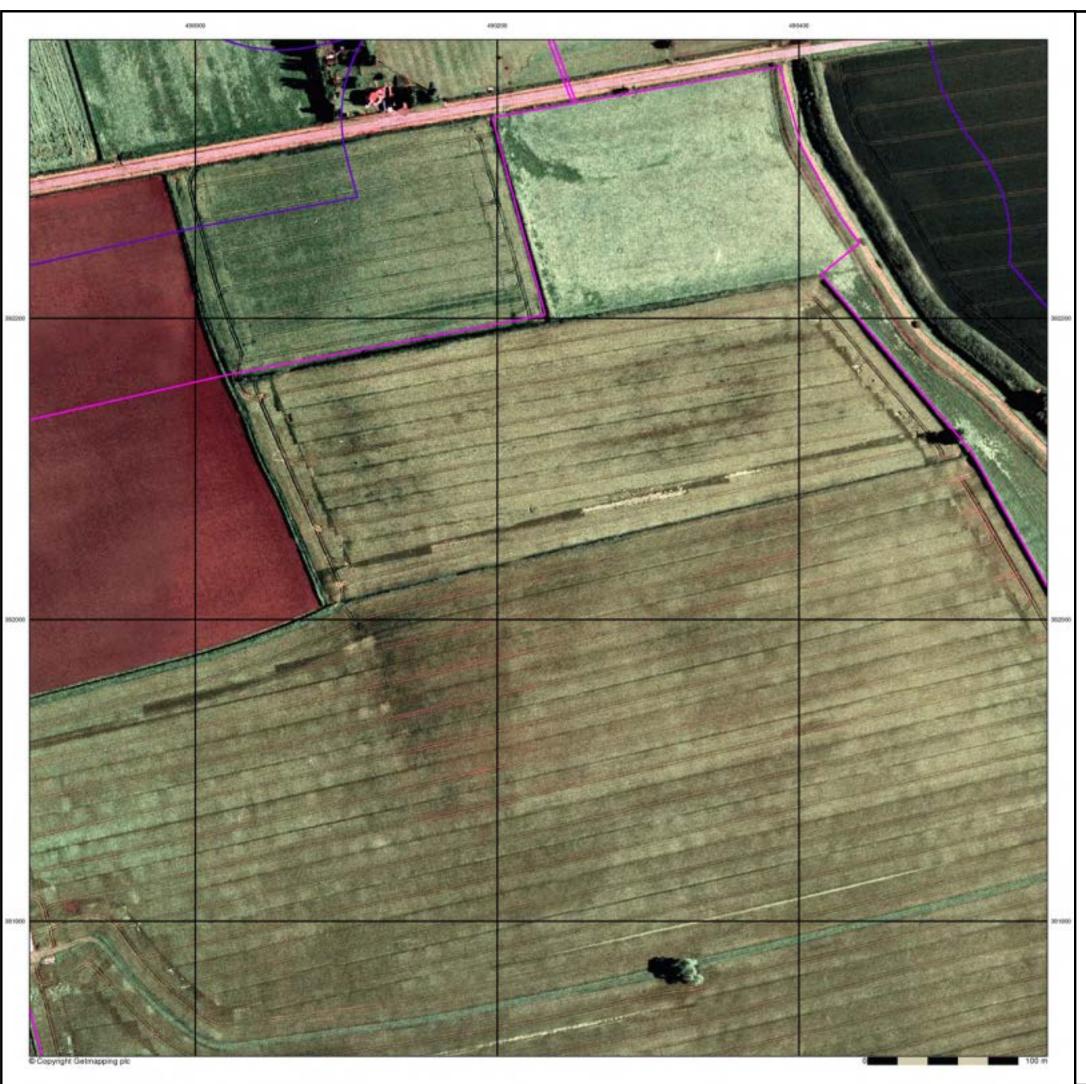
# **Large-Scale National Grid Data** Source map scale - 1:2,500

'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.



Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 490330, 381530

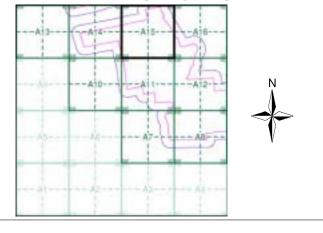
884.45





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

## **Historical Aerial Photography - Segment A15**



### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 490330, 381530

Slice:

Site Area (Ha): Search Buffer (m): 884.45 100

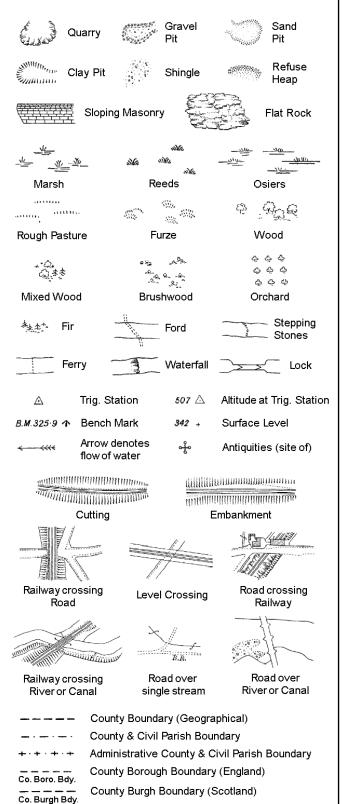
**Site Details** 

Cottam 1

Landmark'

A Landmark Information Group Service v50.0 04-Nov-2021 Page 6 of 6

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



B.R.

E.P

F.B.

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

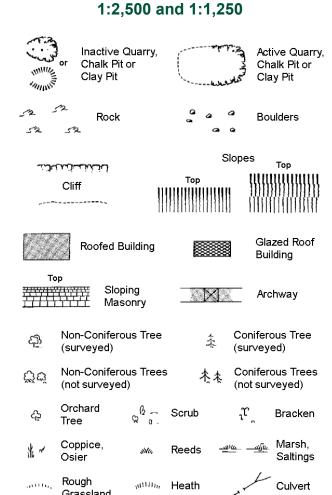
Trough Well

S.P

Sl.

Tr:

Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 



Grassland Direction Bench Antiquity of water flow (site of) Electricity Cave Triangulation Ŧ.

**Electricity Transmission Line** County Boundary (Geographical) County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary mereing changes

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

# 1:1,250

			Slop	oes ,	<sup>-</sup> ор
		Top		<b>!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!</b>	9 <b>, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1</b>
523	Rock		23	Rock (sc	attered)
$\triangle$	Boulders		۵	Boulders	(scattered)
	Positioned Boulde	er		Scree	
<u>කු</u>	Non-Coniferous T (surveyed)	ree	-1-	Conifero surveye	
ర్లోలే	Non-Coniferous T (not surveyed)	rees	/IN .A.	Conifero (not surv	us Trees eyed)
දා	Orchard ℓ Tree ♀	⊊ Scru	b	ır,	Bracken
* ~	Coppice, Osier	w, Reed	ls <u>-w</u> la	<u>—————————————————————————————————————</u>	Marsh, Saltings
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Rough "ու Grassland	<sup>⊔u,</sup> Heat	h /	1	Culvert
<del>&gt;&gt;&gt; →</del>	Direction of water flow	∆ Trian Stati	gulation on	ઌ૾ૺ	Antiquity (site of)
E_TL	_ Electricity Trar	smission	Line	$\boxtimes$	Electricity Pylon
/ <del>/</del> / вм	231.60m Bench N	/lark		Building Building	s with Seed
	Roofed Build	ling		1	zed Roof Iding
	• • • Civil n	arish/comr	nunity bo	undary	
	•	t boundar	-	anaan y	
		y boundary	•		
٥		ary post/st			
		ary mereir		l (note: t	haca
٥		s appear in			
Bks	Barracks	F	•	Pillar, Pole	e or Post
Bty	Battery		20	Post Offic	
Cemy	Cemetery		o Po		nvenience
Chy Cis	Chimney Cistern		~p ⊃pg Sta	Pump Pumping:	Station
Dismtd R			PW	Place of W	
El Gen S	ta Electricity Gener Station	ating \$	Sewage Pp		wage mping Station
EIP	Electricity Pole, Pill	ar S	8B, S Br		x or Bridge
El Sub S	ta Electricity Sub Stat	ion s	SP, SL	Signal Po	st or Light
FB	Filter Bed	5	Spr	Spring	
Fn / D Fn	Fountain / Drinking	Ftn.	Γk	Tank or Tr	ack

Gas Valve Compound

Mile Post or Mile Stone

Gas Governer

**Guide Post** 

Manhole

GVC

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Wd Pp

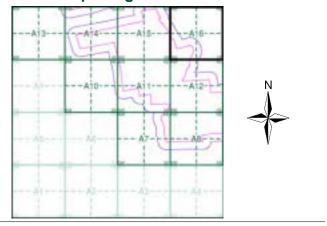
Wks



## **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1973 - 1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

## **Historical Map - Segment A16**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 490330, 381530 Slice: 884.45

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

## **Site Details**

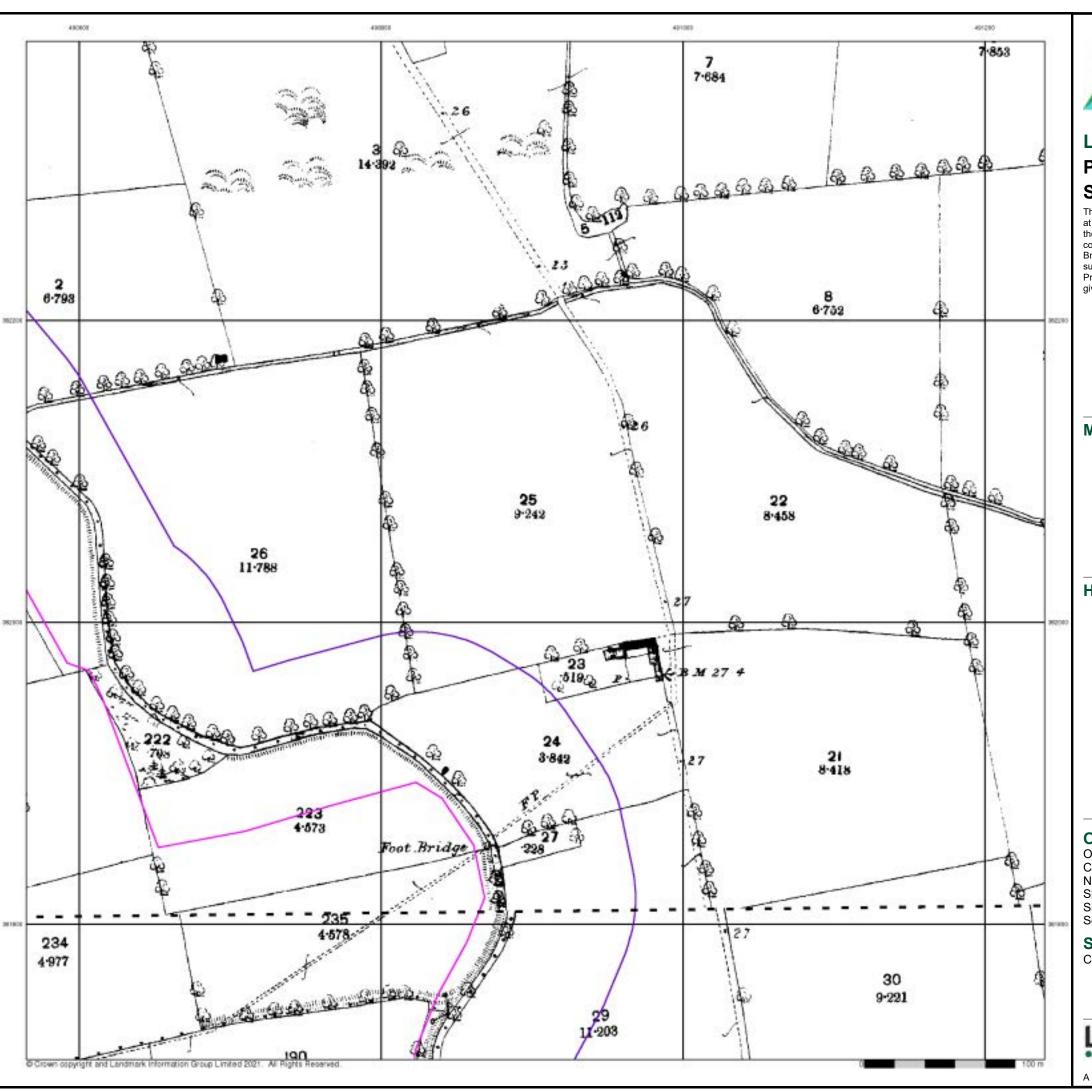
Cottam 1



0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021

Page 1 of 6

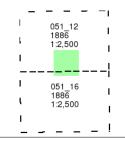




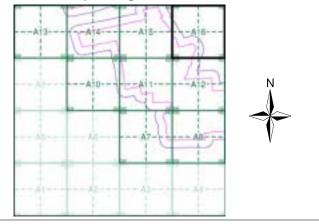
## Published 1886 Source map scale - 1:2,500

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 A16**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 490330, 381530

Slice:

Site Area (Ha): Search Buffer (m): 884.45

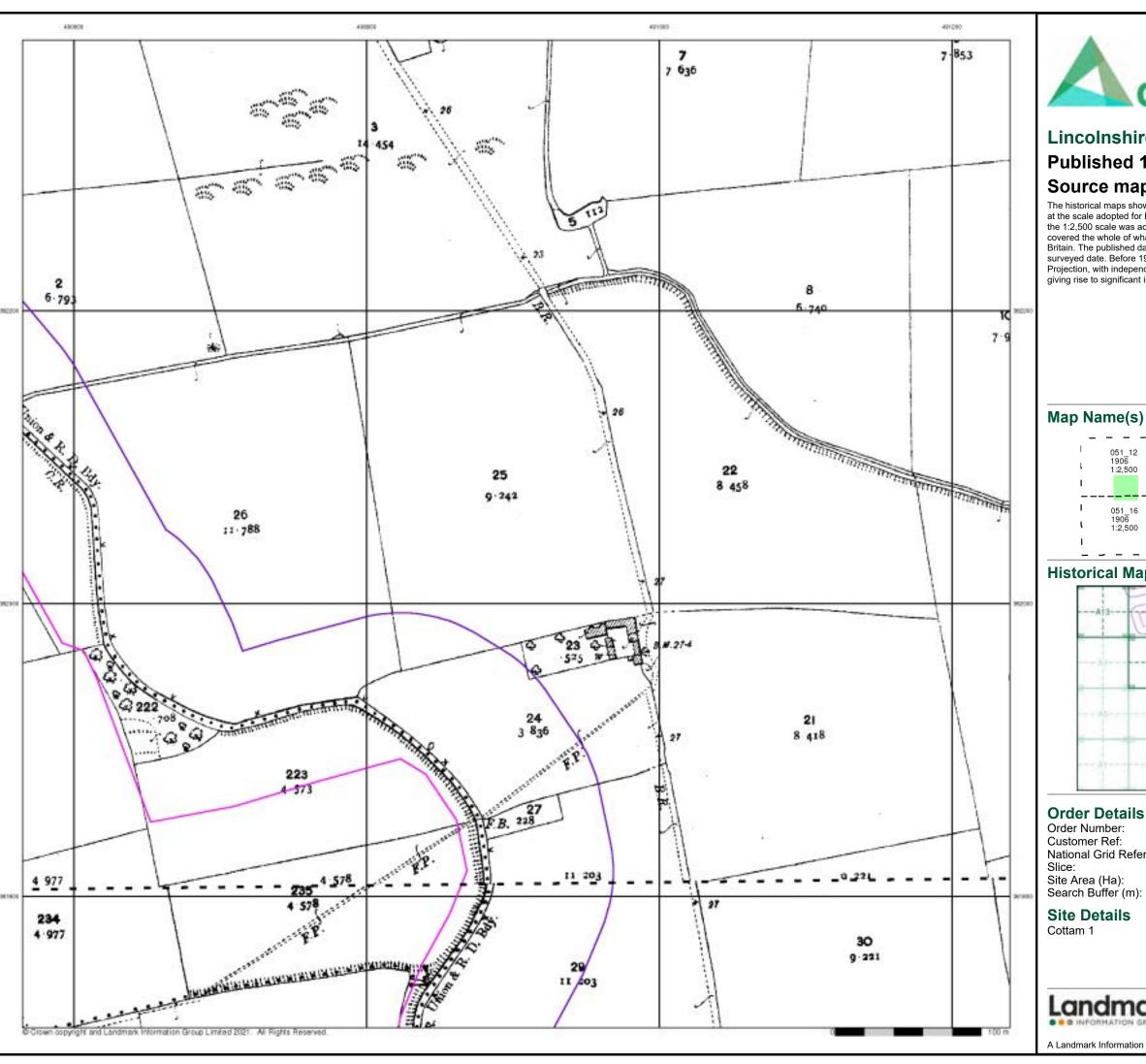
**Site Details** 

Cottam 1

Landmark

0844 844 9952

Page 2 of 6

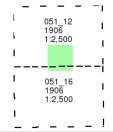




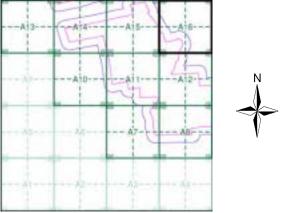
## Published 1906 Source map scale - 1:2,500

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 A16**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 490330, 381530

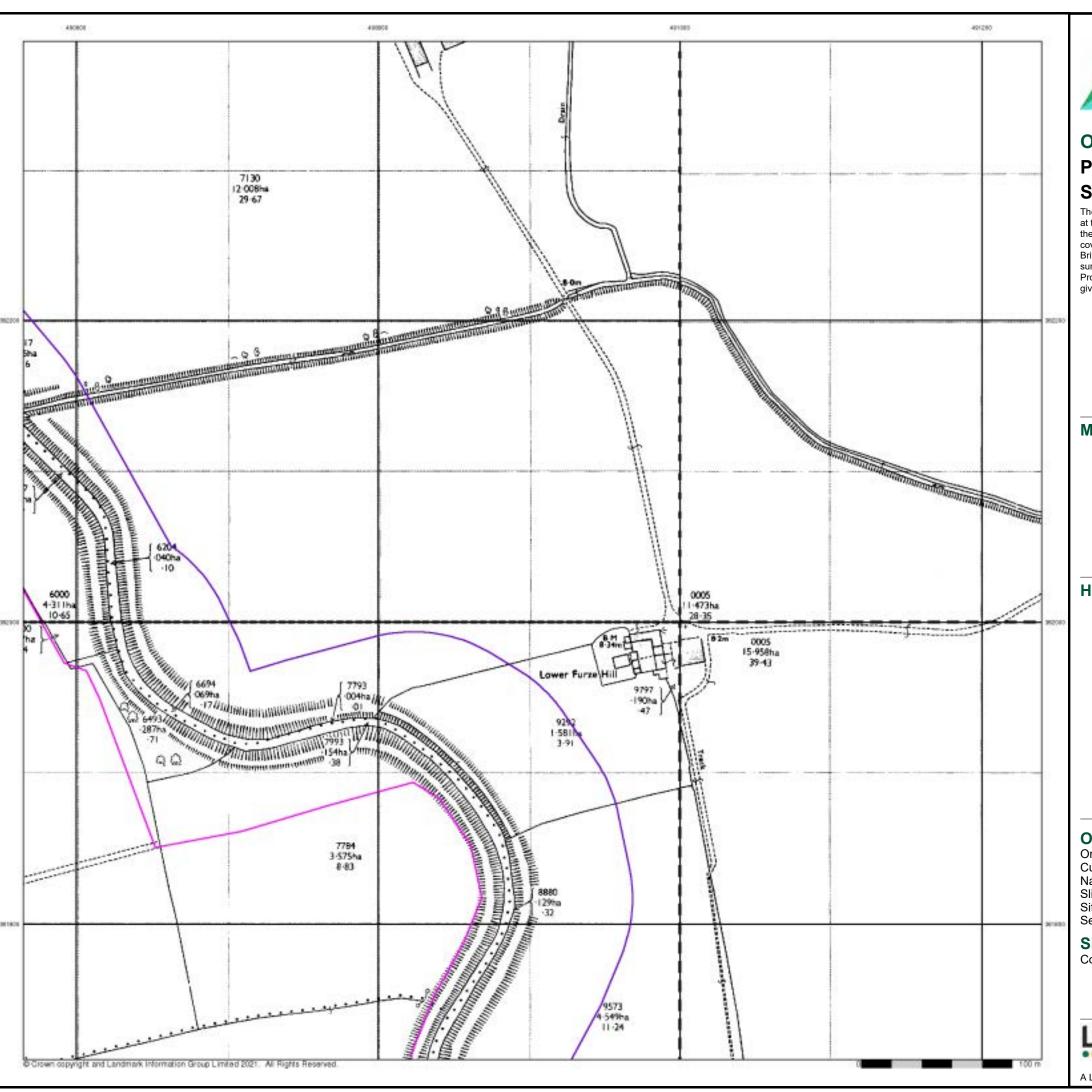
884.45

## **Site Details**



0844 844 9952

Page 3 of 6

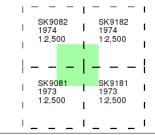




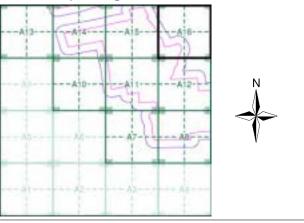
## **Ordnance Survey Plan** Published 1973 - 1974 Source map scale - 1:2,500

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 A16**



#### **Order Details**

287330989\_1\_1 21-1088.02 Order Number: Customer Ref: National Grid Reference: 490330, 381530

Slice:

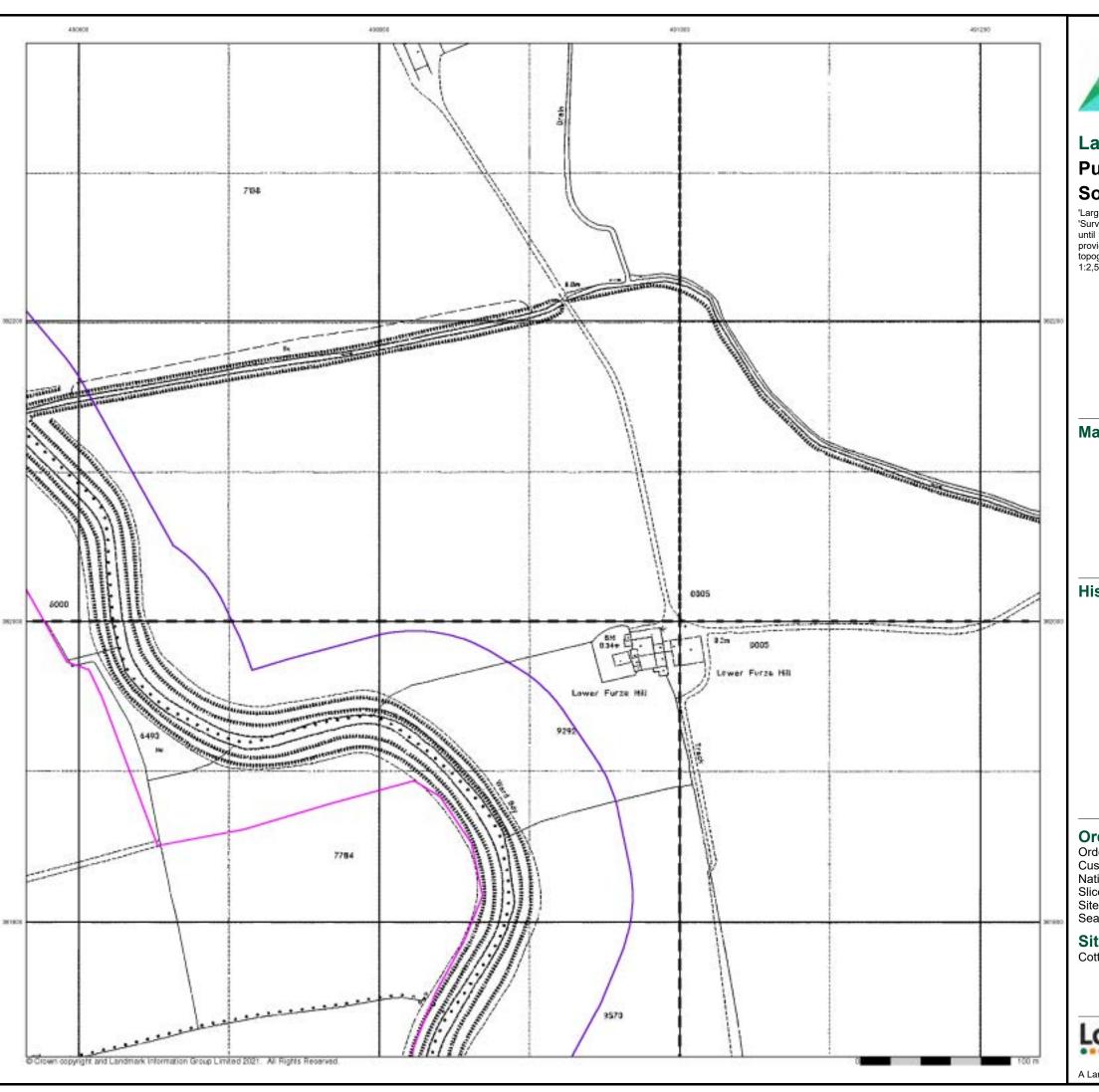
Site Area (Ha): Search Buffer (m): 884.45

## **Site Details**

Cottam 1



0844 844 9952





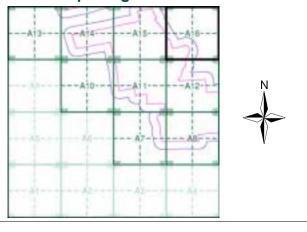
## **Large-Scale National Grid Data** Published 1994 Source map scale - 1:2,500

'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)

_	_	_		_	_	_
1	SK90	82	I	SK9		I
1	1994 1:2,50	00	ı	1994 1:2,5		ı
1			- 1			1
_	_	_		_	_	_
	_	_		_	_	_
I	SK90	81		SK9	181	
I I	SK90 1994 1:2,50		T T	SK91 1994 1:2,5		_    -
 	1994		 	1994		  -  -  -

## **Historical Map - Segment A16**



## **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 490330, 381530 Slice:

Site Area (Ha): Search Buffer (m): 884.45

## **Site Details**

Cottam 1

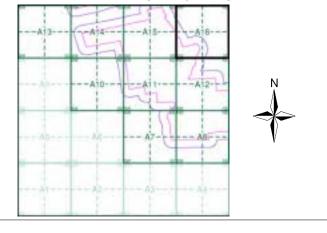






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

## **Historical Aerial Photography - Segment A16**



### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 490330, 381530

Slice:

Site Area (Ha): Search Buffer (m): 884.45 100

**Site Details** 

Cottam 1

Landmark

A Landmark Information Group Service v50.0 04-Nov-2021 Page 6 of 6

### Other Gravel Pits Orchard Quarry Osiers Mixed Wood Deciduous Brushwood Furze Rough Pasture Arrow denotes Trigonometrical flow of water Station Site of Antiquities Bench Mark Pump, Guide Post, Well, Spring, Signal Post **Boundary Post** ·285 Surface Level Sketched Instrumental Contour Contour Fenced Fenced Main Roads Minor Roads Un-Fenced Sunken Road Raised Road Railway over Road over Ri∨er Railway Railway over Level Crossing Road Road over Road over Road over County Boundary (Geographical) County & Civil Parish Boundary Administrative County & Civil Parish Boundary County Borough Boundary (England) Co. Boro. Bdy. County Burgh Boundary (Scotland) Co. Burgh Bdy. Rural District Boundary RD. Bdy.

····· Civil Parish Boundary

**Ordnance Survey County Series 1:10,560** 

## Ordnance Survey Plan 1:10,000

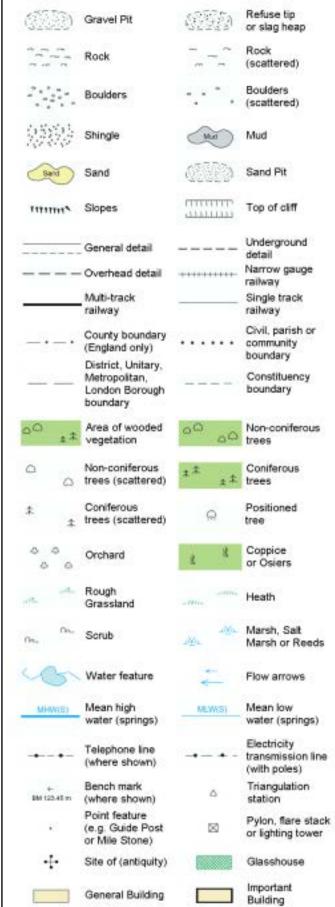
مردوري	∽ Chalk Pit, Clay Pit	000000	
و الم	or Quarry	000000000000000000000000000000000000000	Gravel Pit
-000		9885	
		/	Disused Pit
	Sand Pit	í ,	or Quarry
••••••			
ZET.	∴ Refuse or	_	Lake, Loch
1.000	Slag Heap		or Pond
V	· Olag ricap		or r ond
5 10 20	<b>.</b>	. 0 .	
	Dunes	7000	Boulders
144444144	•	_	
<b>1</b>	Coniferous	$\wedge$	Non-Coniferous
A A A	Trees	なかや	Trees
Λ Λ	Ousband Os	Camilla	IV . Campina
ቀ ቀ	Orchard ∩ ∩ _	Scrub	Yn Coppice
~~			Rough
11 11	Bracken	Heath '	、 , , , , Rough Grassland
	Marsh \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Peedo	→ S← Saltings
<u> </u>	Marsh …V///	Neeus	→ <u>-</u> Saltings
		tion of Flow of V	Vater
	Building	1/-	Shingle
	. •	*//	
N707		*//	Sand
	Glasshouse		
		Pylon	
			Electricity
<b>******</b>	Sloping Masonry		Transmission Line
		Pole	LITIE
		·-	_
Cutting	Embankm	ent 	Standard Gauge
***	****************		Multiple Track
	.U //	\\	Standard Gauge
Road''	'∏''' Road Leve	Foot	Single Track
Under	Over Cross	ing Bridge	· ·
			_ Siding, Tramway
			or Mineral Line
<del></del>	<del>                                     </del>	<del></del>	+ Narrow Gauge
	- Geographical Co	unty	
	Administrative Co	ounty, County B	orough
	or County of City		-18:-4:-4
	Municipal Boroug Burgh or District		ral District,
	Borough, Burgh		tituency
	Shown only when no		
	Civil Parish		
	Shown alternately w	hen coincidence o	f boundaries occurs
BP, BS	Boundary Post or Stone	Pol Sta F	Police Station
Ch	Church		ost Office
CH	Club House		Public Convenience
F E Sta	Fire Engine Station	PH F	Public House
FB	Foot Bridge	SB S	Signal Box
Fn	Fountain	•	Spring
GP	Guide Post Mile Post		Felephone Call Box
MP			

TCP

Telephone Call Post

Mile Post

## 1:10,000 Raster Mapping

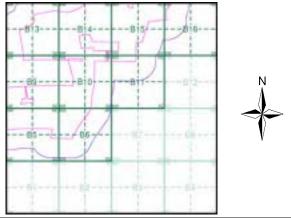




## **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:10,560	1885 - 1886	2
Lincolnshire	1:10,560	1907	3
Lincolnshire	1:10,560	1907	4
Lincolnshire	1:10,560	1947 - 1948	5
Ordnance Survey Plan	1:10,000	1956	6
Ordnance Survey Plan	1:10,000	1976 - 1979	7
10K Raster Mapping	1:10,000	2000	8
10K Raster Mapping	1:10,000	2006	9
VectorMap Local	1:10,000	2021	10

## **Historical Map - Slice B**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 492150, 381560 Slice: В

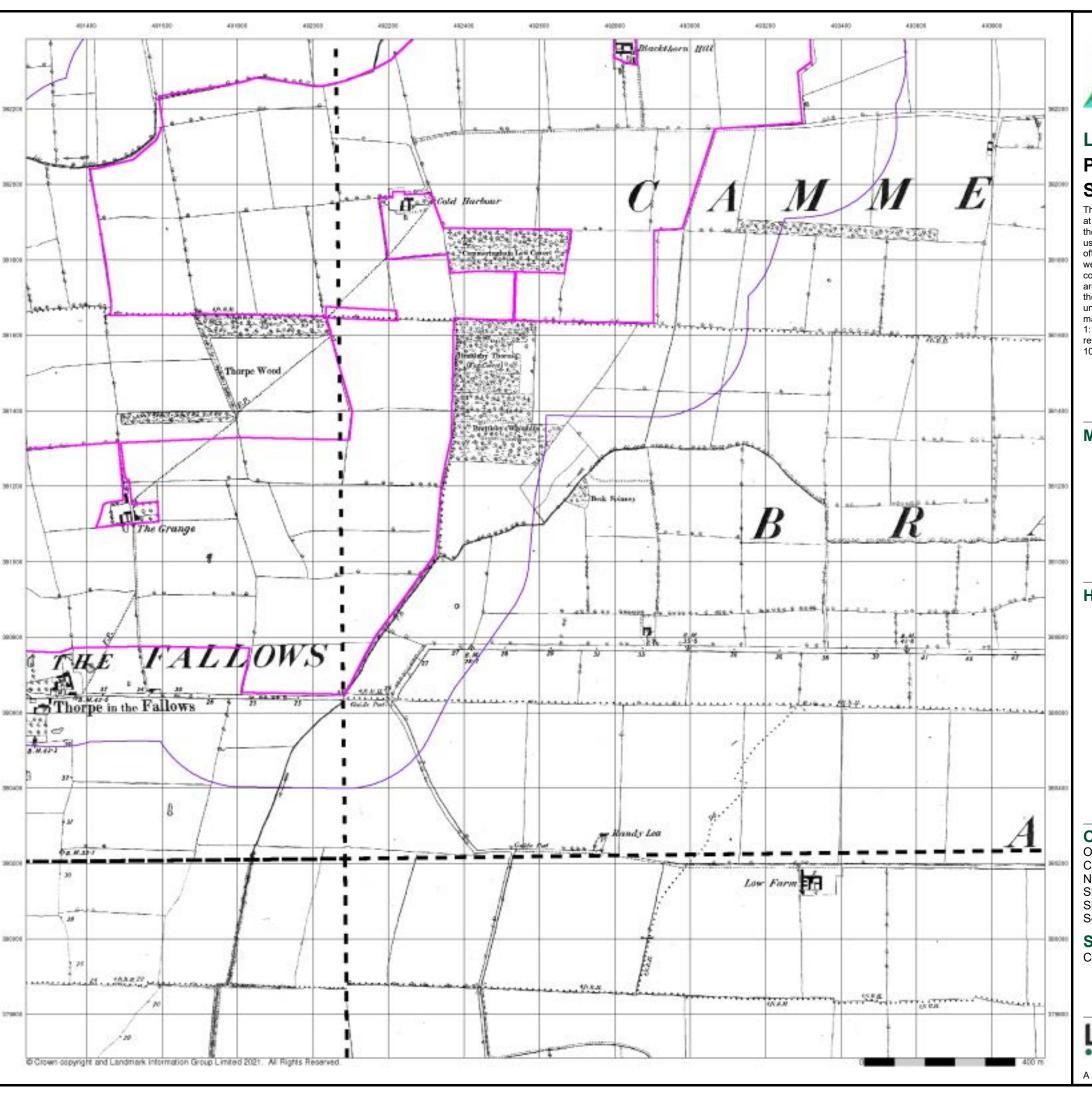
Site Area (Ha): 884.45 Search Buffer (m): 250

**Site Details** Cottam 1

Landmark

0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021 Page 1 of 10

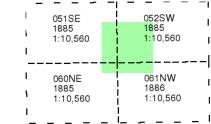




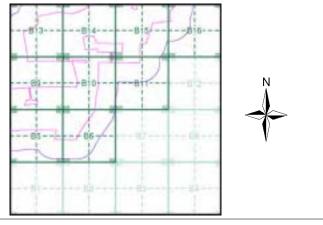
## **Published 1885 - 1886** Source map scale - 1:10,560

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 B**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 492150, 381560 Slice:

Site Area (Ha): Search Buffer (m): 884.45 250

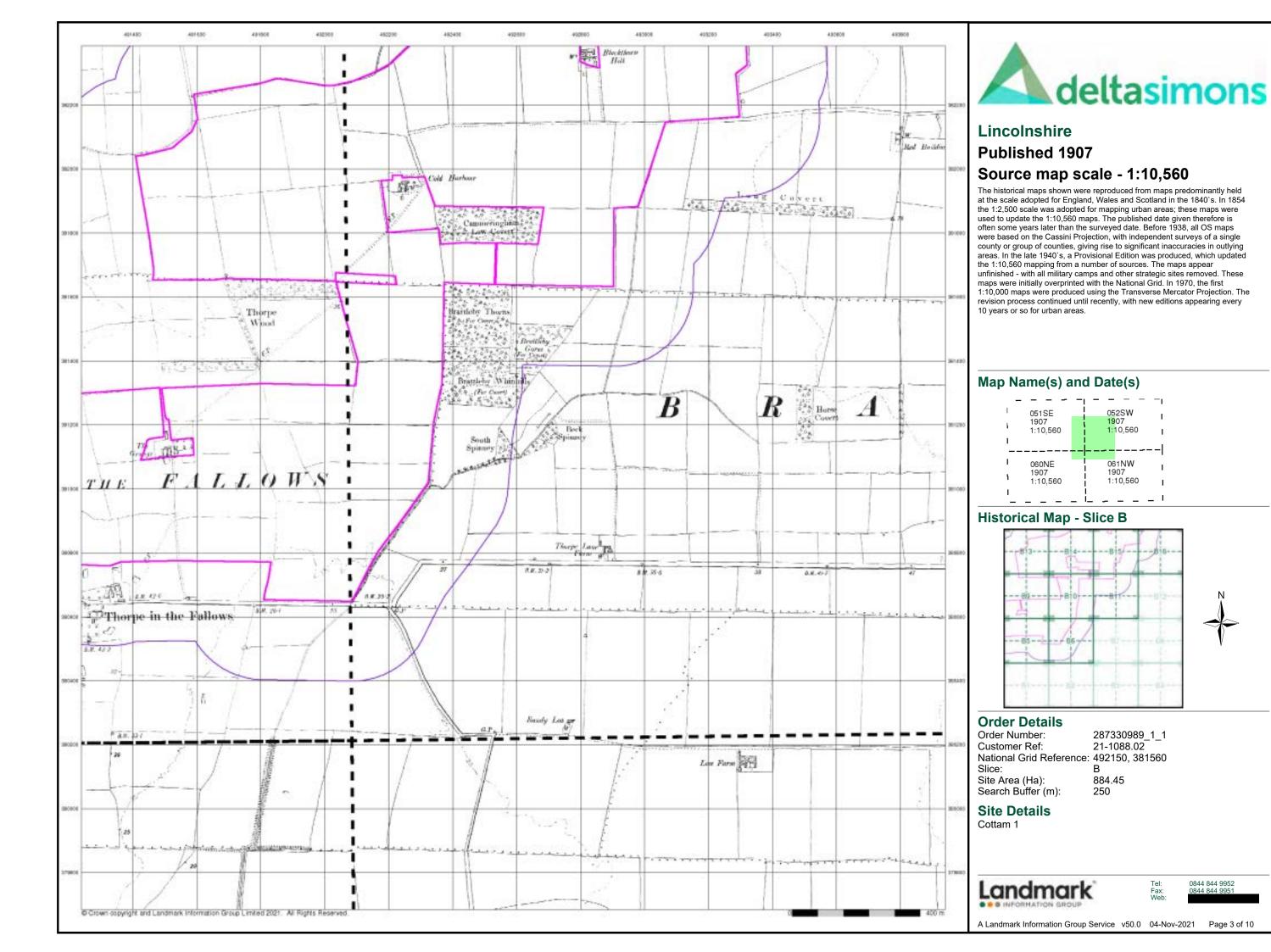
## **Site Details**

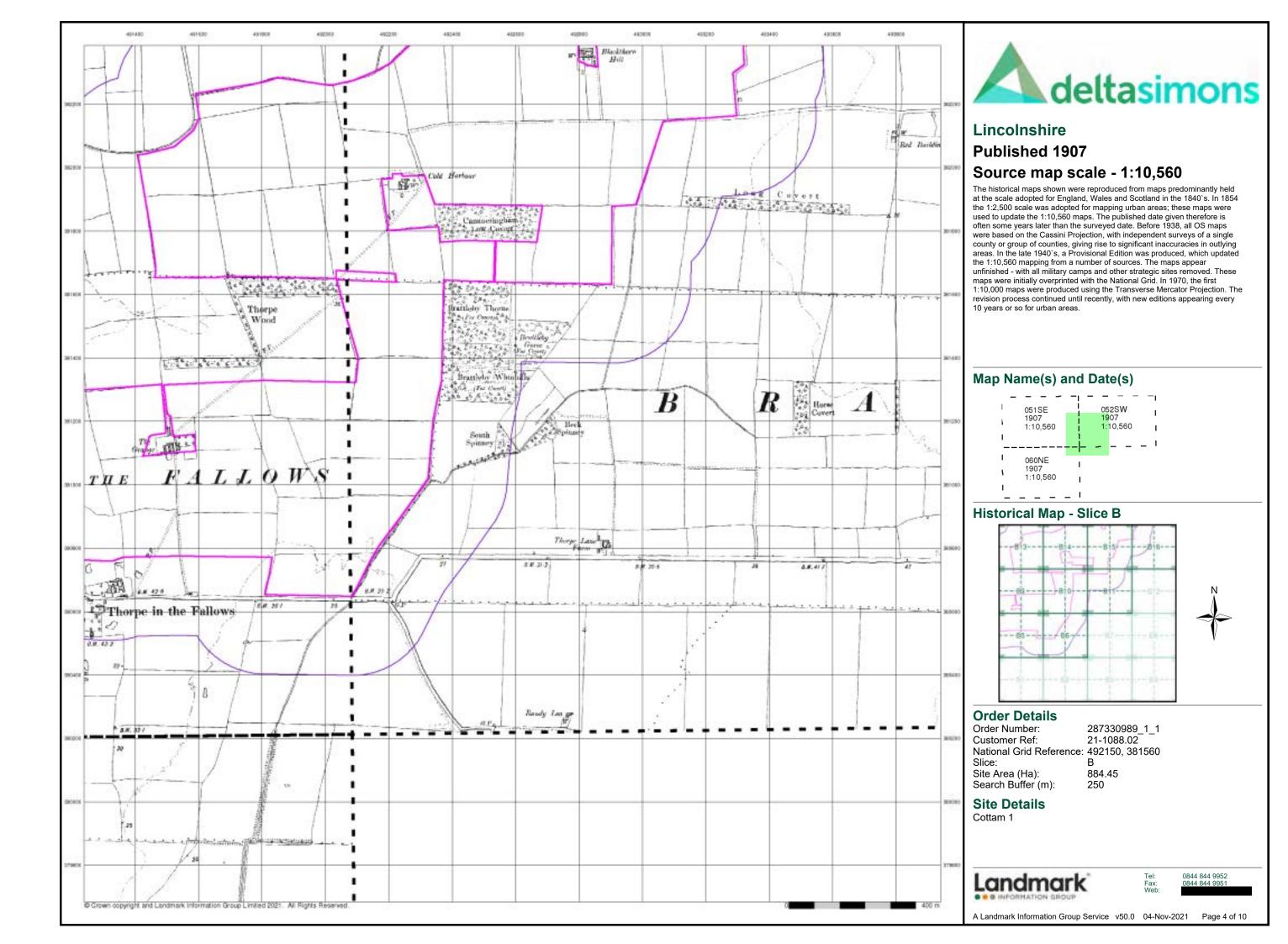
Cottam 1

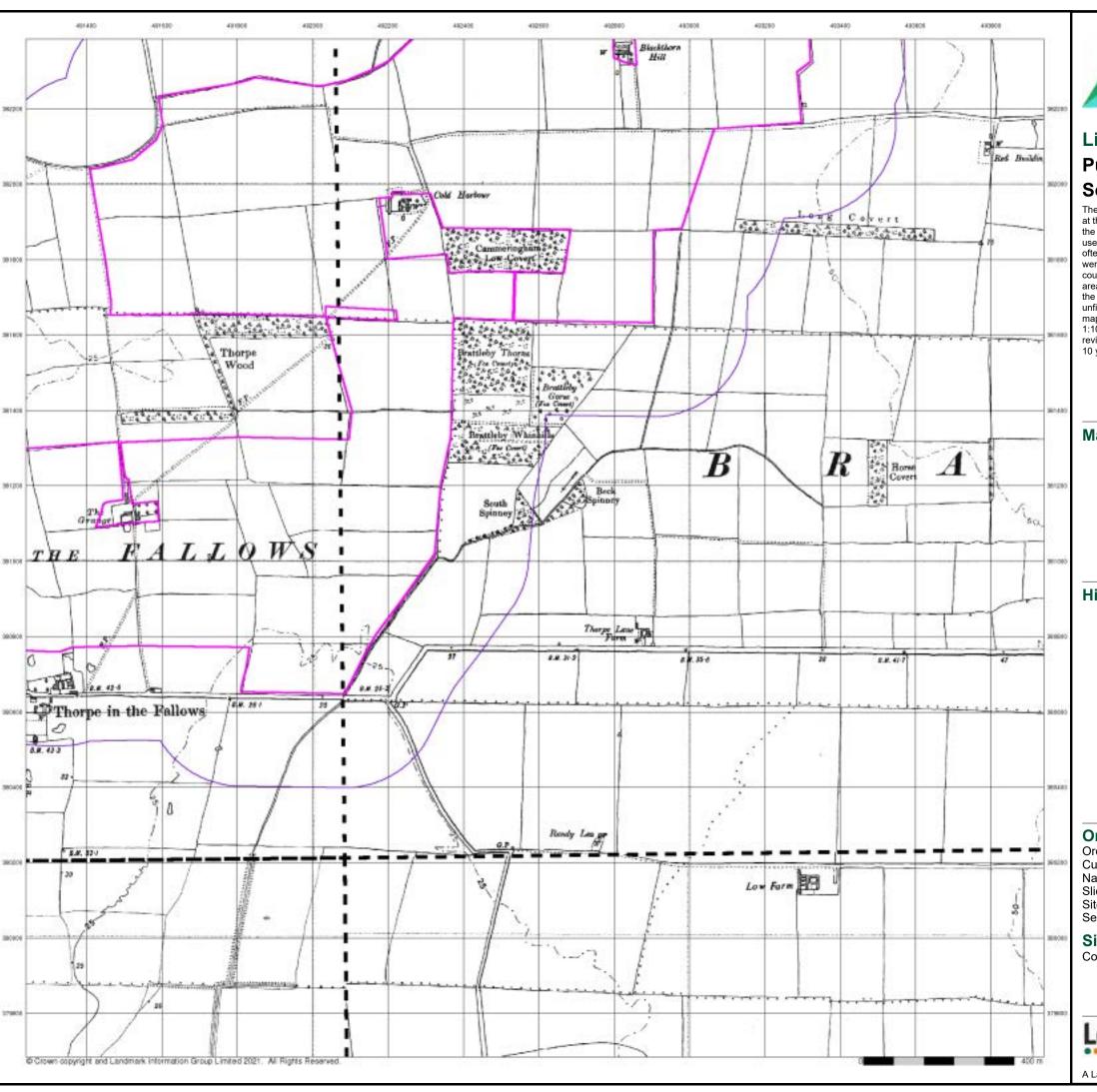


0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021 Page 2 of 10







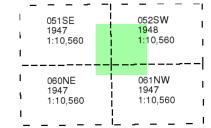


#### Lincolnshire

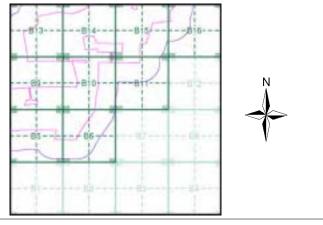
### **Published 1947 - 1948** Source map scale - 1:10,560

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 B



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 492150, 381560 Slice:

Site Area (Ha):

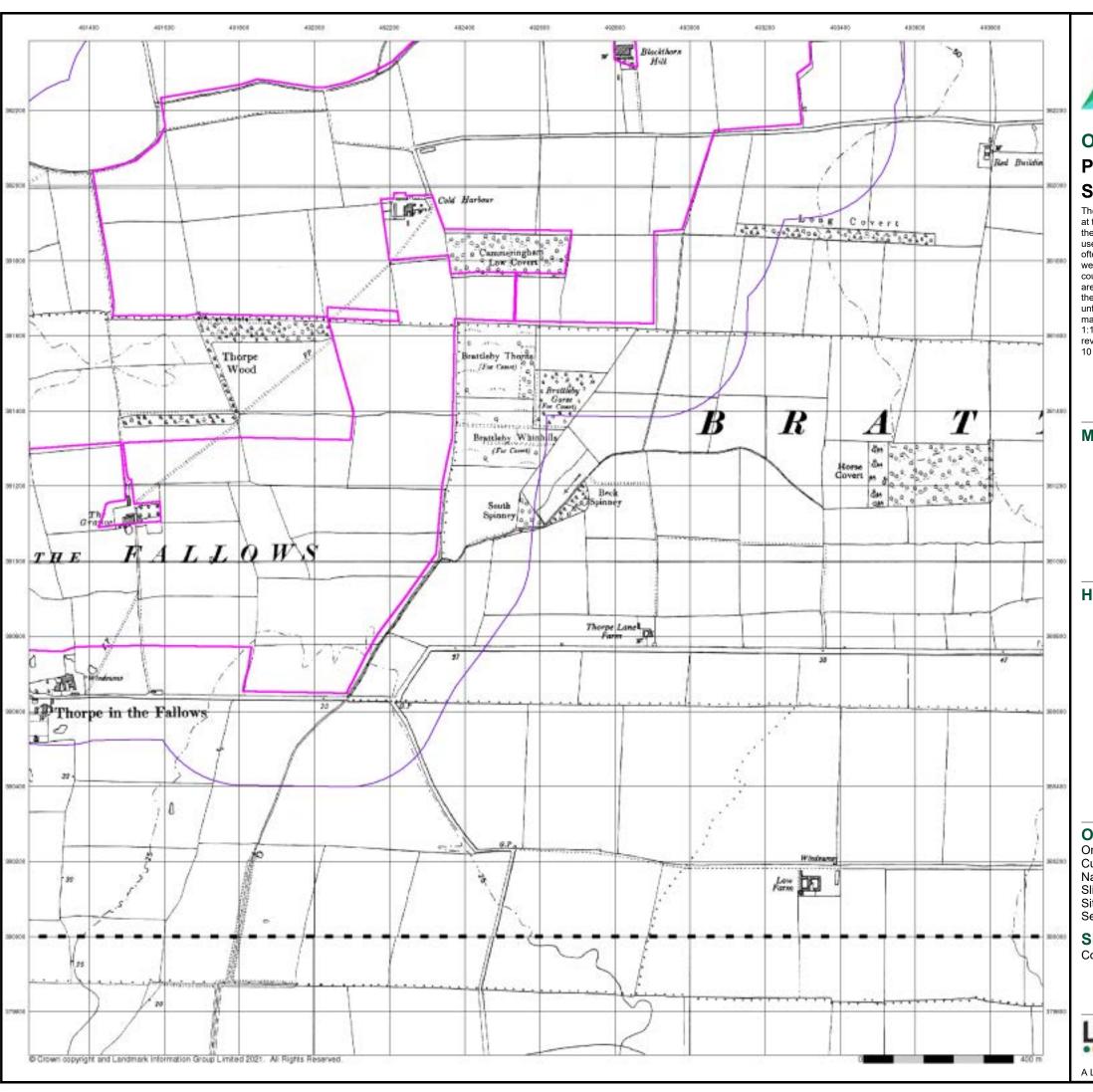
884.45 Search Buffer (m): 250

#### **Site Details**

Cottam 1



0844 844 9952

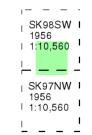




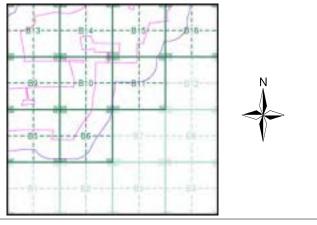
## **Ordnance Survey Plan** Published 1956 Source map scale - 1:10,000

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 B**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 492150, 381560 Slice:

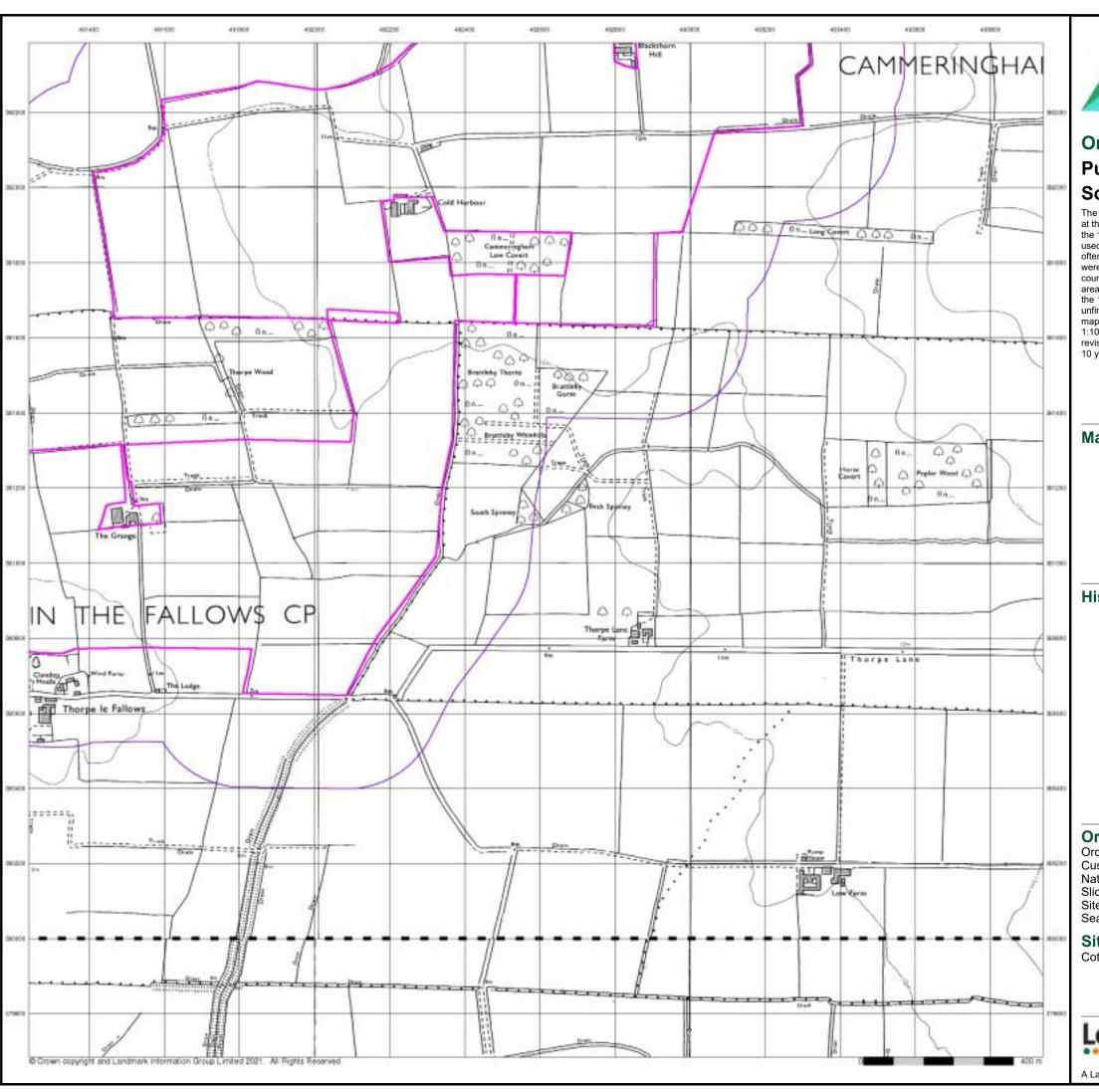
Site Area (Ha): 884.45 Search Buffer (m): 250

#### **Site Details**

Cottam 1



0844 844 9952

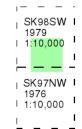




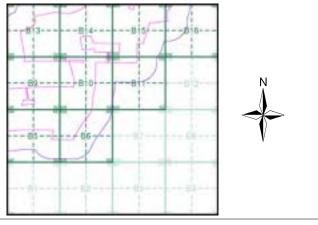
## **Ordnance Survey Plan** Published 1976 - 1979 Source map scale - 1:10,000

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 B**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 492150, 381560 Slice: 884.45

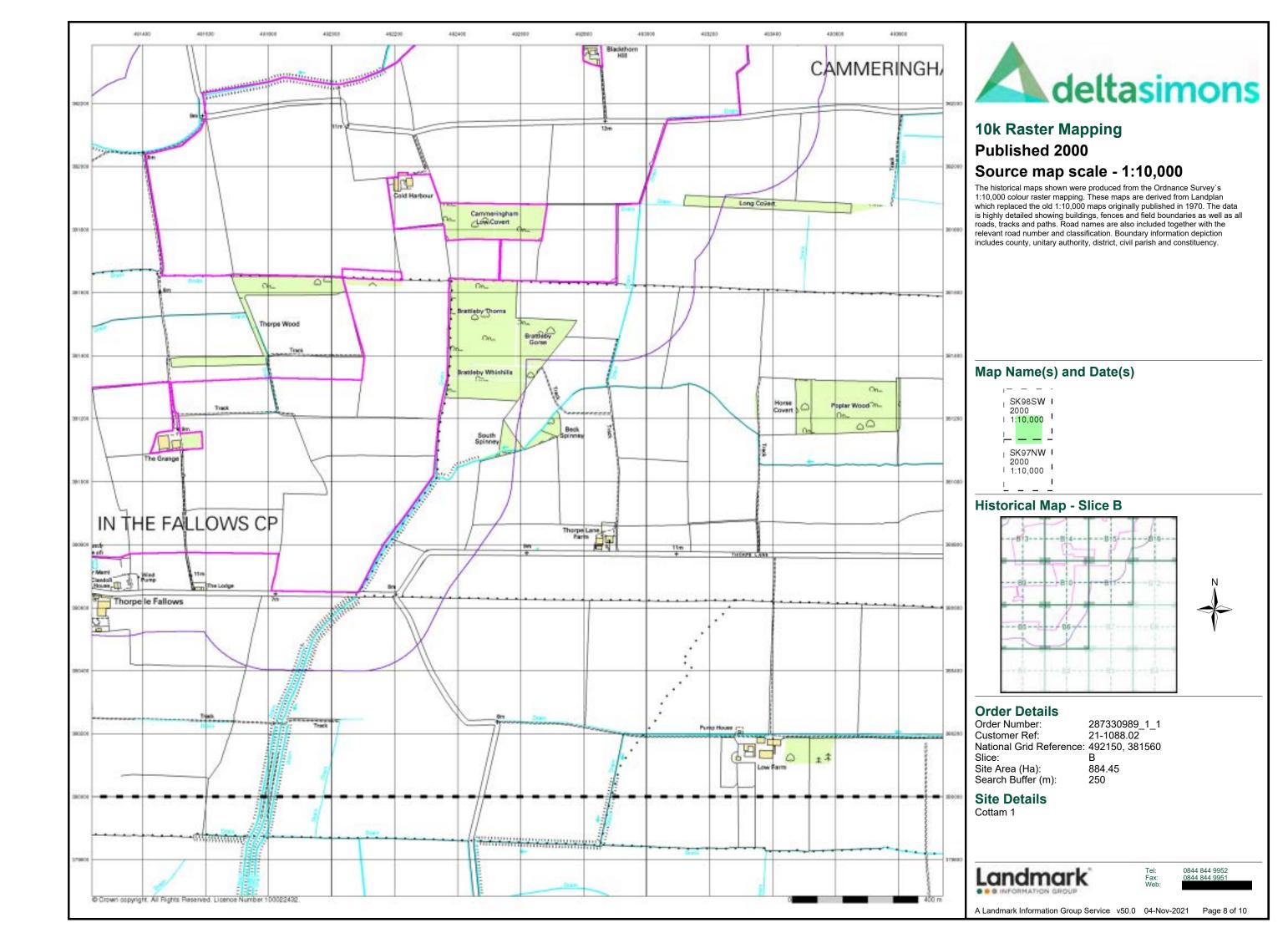
Site Area (Ha): Search Buffer (m):

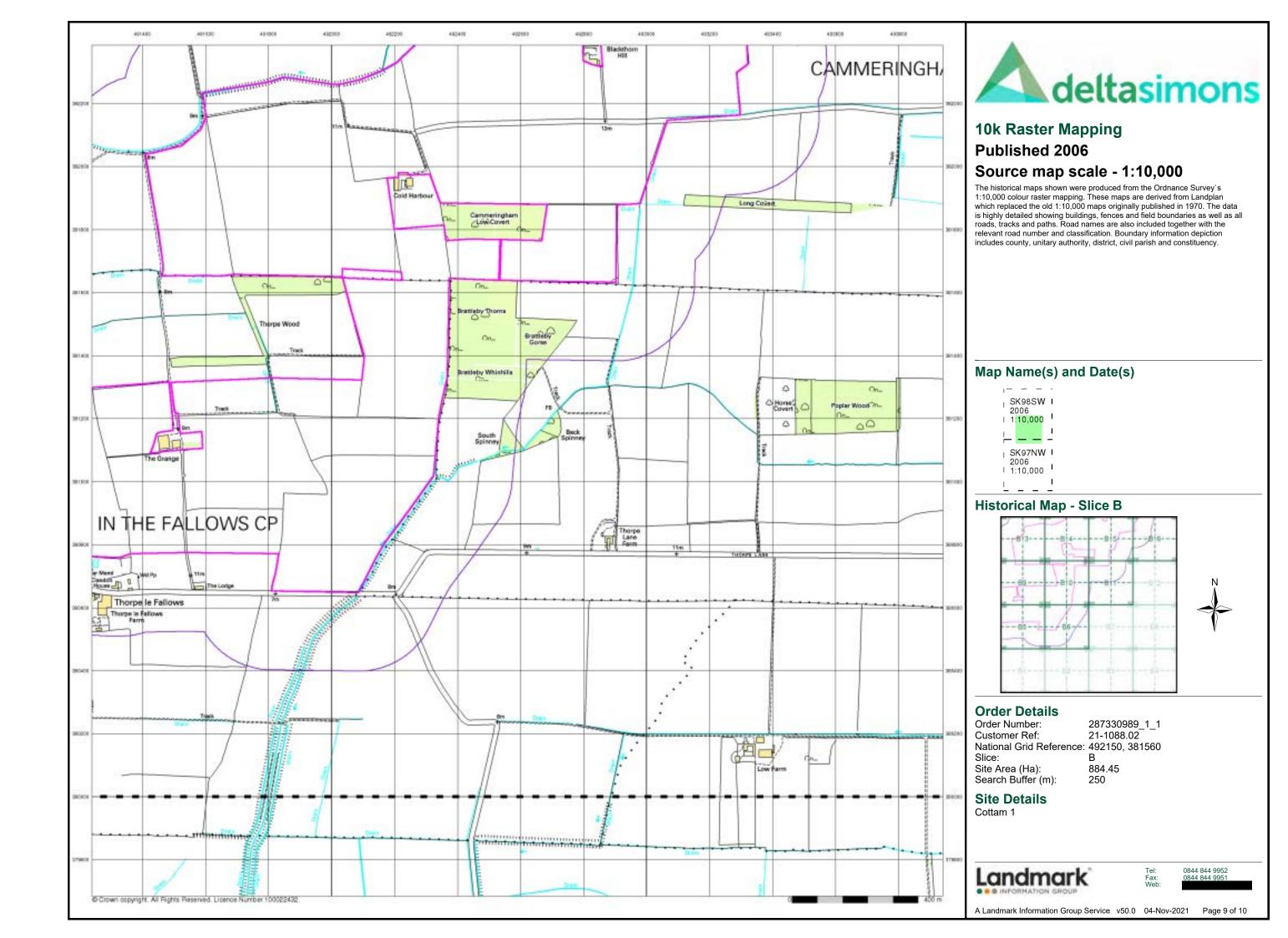
**Site Details** 

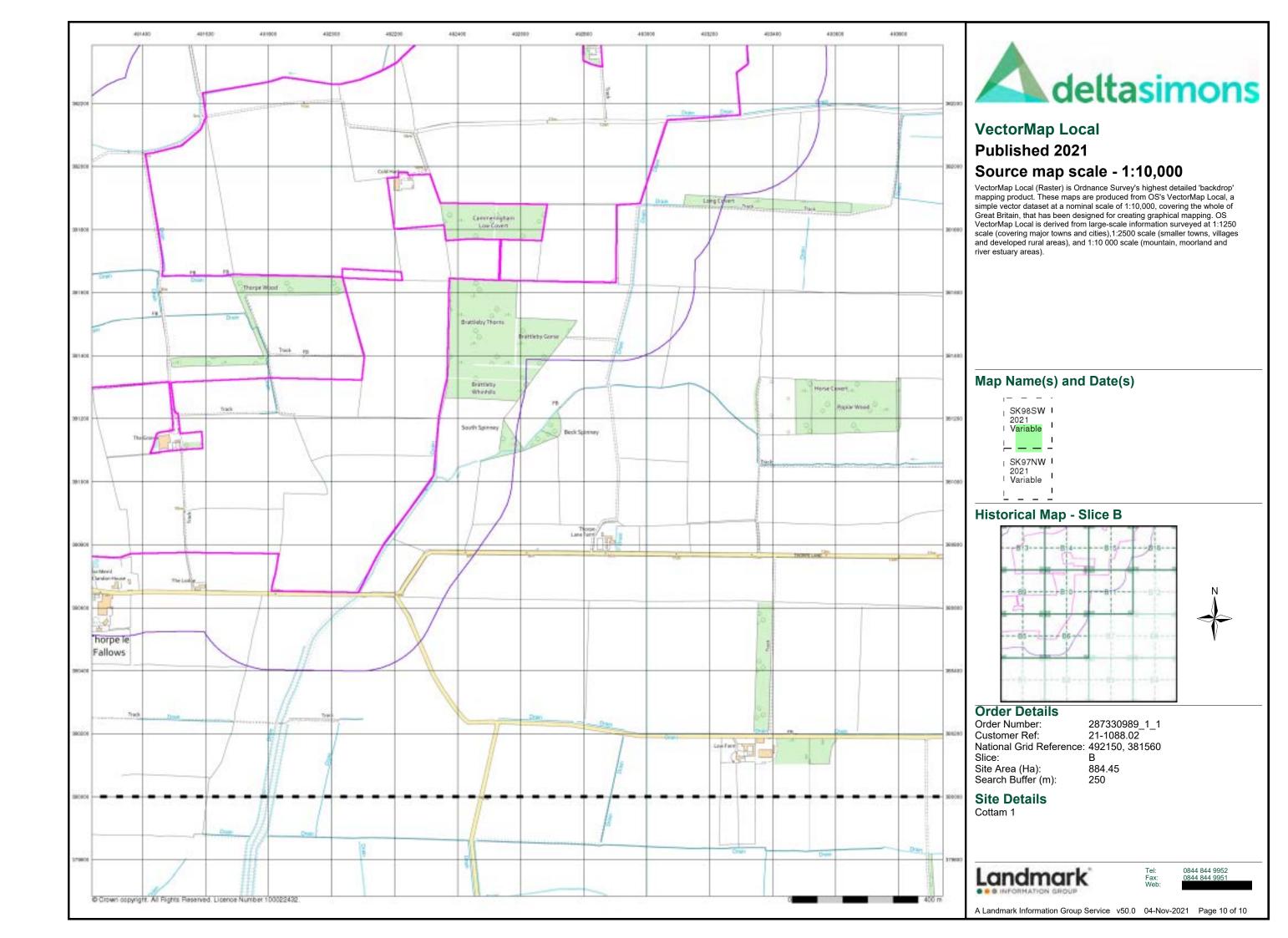
Cottam 1



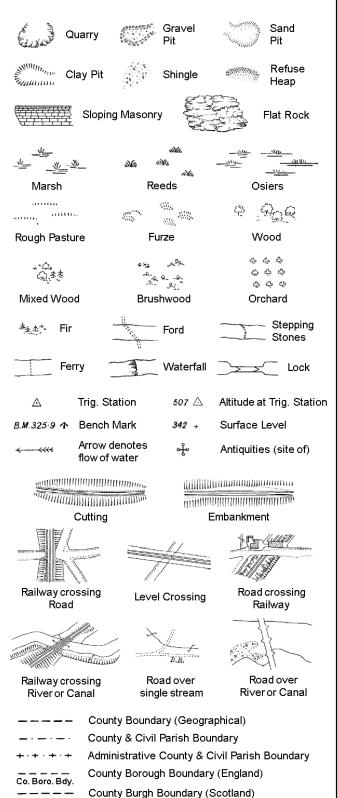
0844 844 9952







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



Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

Trough Well

S.P

Sl.

Tr:

Co. Burgh Bdy.

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

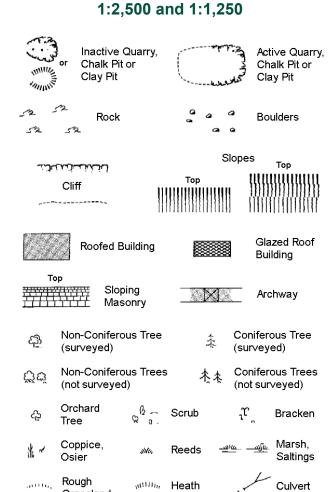
B.R.

E.P

F.B.

M.S

Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 



Grassland Direction Bench Antiquity of water flow (site of) Electricity Cave Triangulation ÷

**Electricity Transmission Line** County Boundary (Geographical) County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary mereing changes

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

# 1:1,250

Slopes

لانبانيانيان			Slopes <sub>Top</sub>			
			Тор		Ш	11111111111
	Cliff	111			- )))))	))))))))
,			muma	11111	11111	11111111111
12°	Rock		ح	2	Rock (s	scattered)
$\Box$	Boulders		2	> E	Boulde	rs (scattered)
$\triangle$	Positioned	Boulder	d		Scree	
<u>දුව</u>	Non-Conif (surveyed	erous Tree )		-1-	Conife (surve	rous Tree yed)
Öΰ	Non-Conife (not surve	erous Trees yed)	* *	·		rous Trees r∨eyed)
<del>ڳ</del>	Orchard Tree	Q a.	Scrub		r,	Bracken
* ~	Coppice, Osier	siHi,	Reeds	<u></u>	<u>u</u> — <u>w</u>	Marsh, Saltings
acette,	Rough Grassland	<sub>11</sub> 11111 <sub>11</sub> ,	Heath		1	Culvert
<del>»&gt; &gt;</del>	Direction of water flo	Δ ow	Triangu Station		ઌ૾ૺ૰	Antiquity (site of)
_ E T L _	_ Electric	ity Transmis	ssion Lin	ie	$\boxtimes$	Electricity Pylon
\ <del> </del>	231.60m E	Bench Mark	Į. Į	7	Buildi Buildi	ngs with ng Seed
	Roofe	ed Building			9	Glazed Roof Building
		Ci∨il parish	doommu	nity be	undar	.,
· <u>·</u>		District bo		inty be	Juliual	у
			-			
_ •		County bo	-			
¢	,	Boundary	ost/stor	ie		
٨		Boundary i always app of three)		-		
Bks	Barracks		Р		Pillar, P	ole or Post
Bty	Battery		PO		Post 0	ffice
Cemy	Cemetery		PC		Public	Convenience
Chy	Chimney		Pp		Pump	
Cis	Cistern			Sta		ng Station
Dismtd F	-	tled Railway	PW			fWorship
El Gen S	ta Electric Station	ity Generating	Sew	vage Pp		Sewage Pumping Station
EIP		Pole, Pillar	SB.	S Br		Box or Bridge
	ta Electricity		SP,		_	Post or Light
FB	Filter Bed		Spr		Spring	_
Fn/DFr		Drinking Ftn.	Tk		Tank o	
	Gae Value	_	Tr		Trough	

Gas Valve Compound

Mile Post or Mile Stone

Gas Governer

**Guide Post** 

Manhole

GVC

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Wd Pp

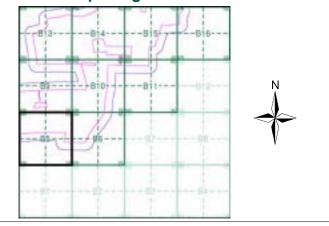
Wks



#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1973 - 1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

#### **Historical Map - Segment B5**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 **Customer Ref:** National Grid Reference: 492150, 381560 Slice:

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

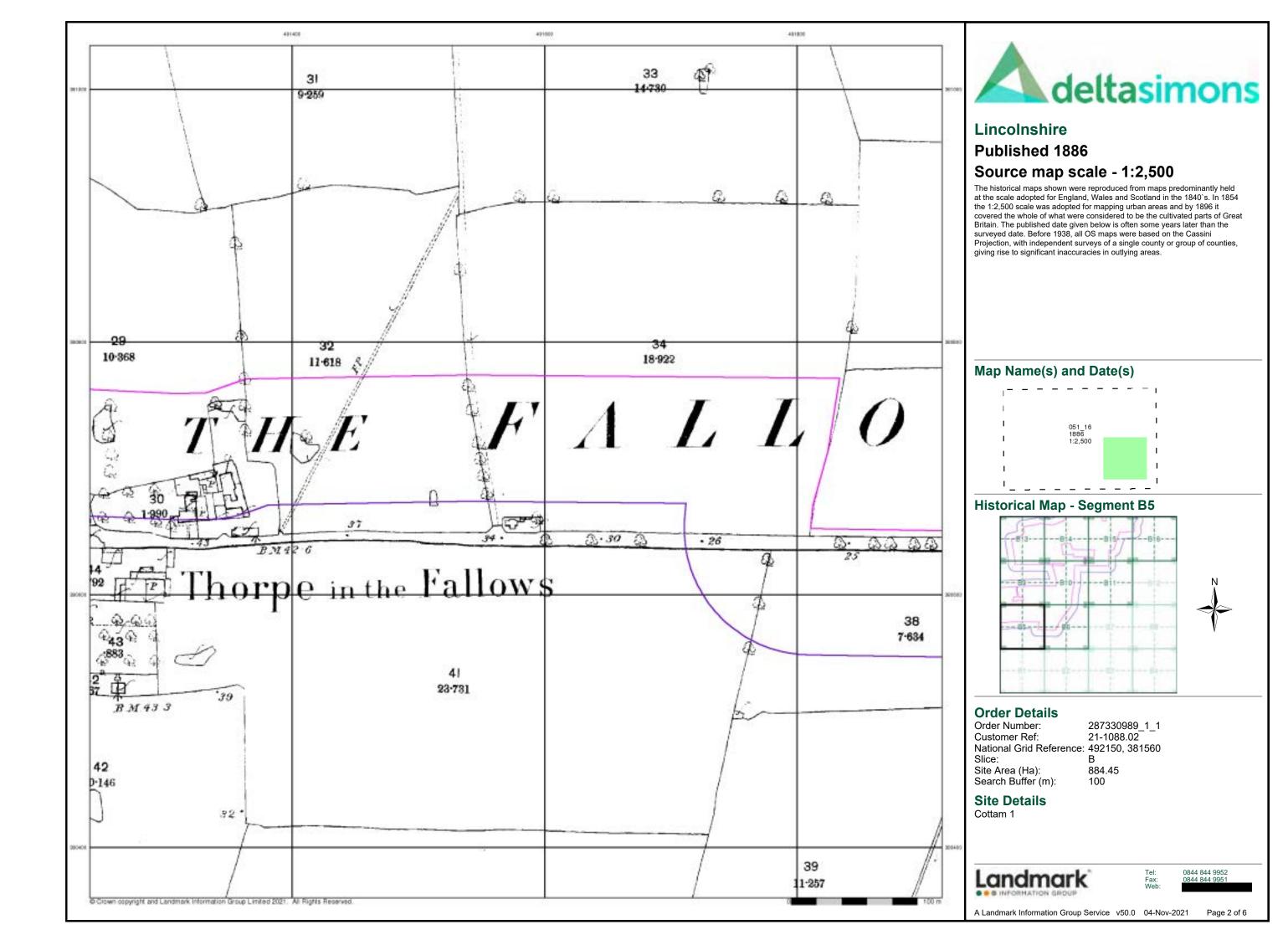
884.45 100

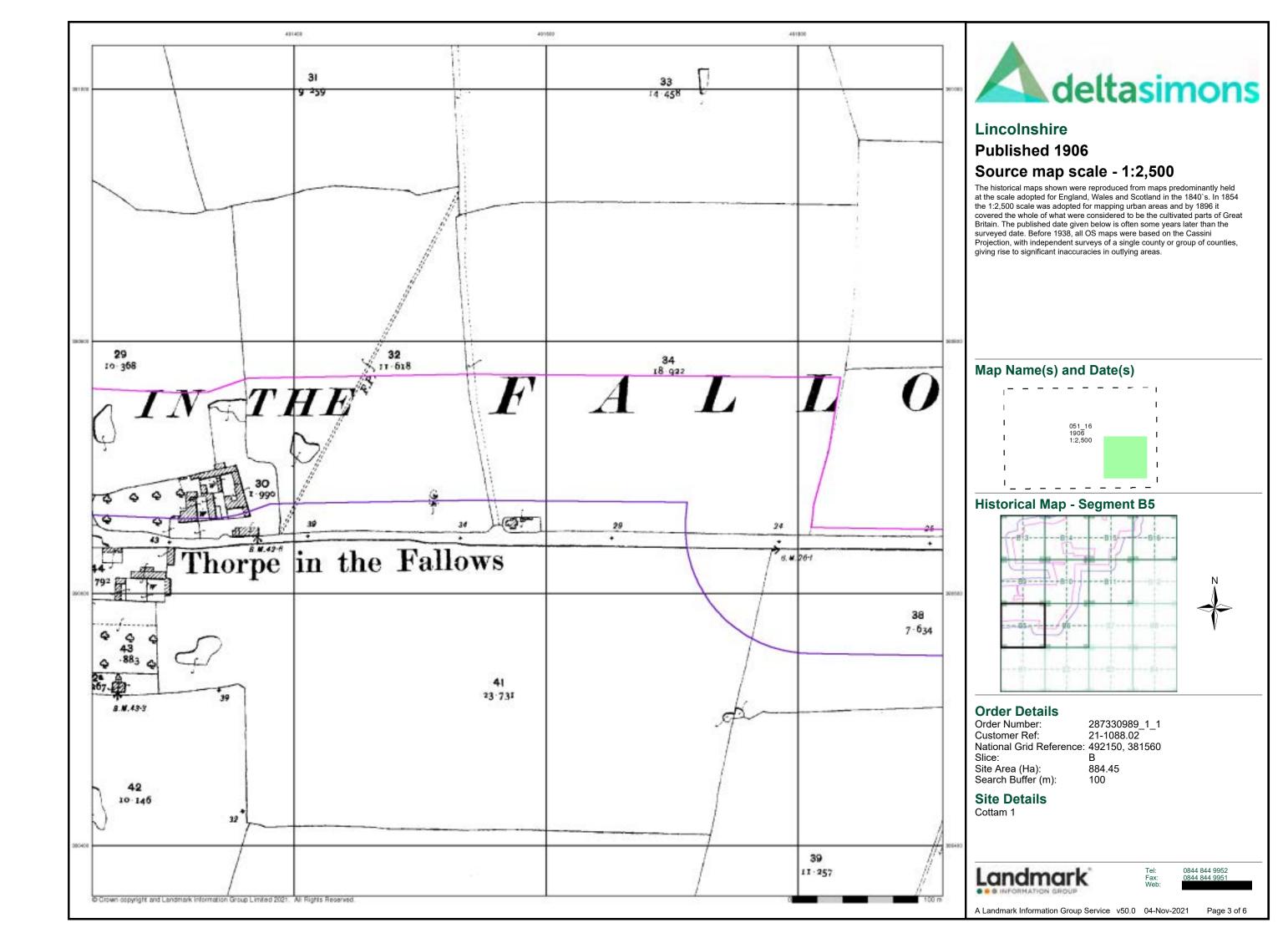
**Site Details** Cottam 1

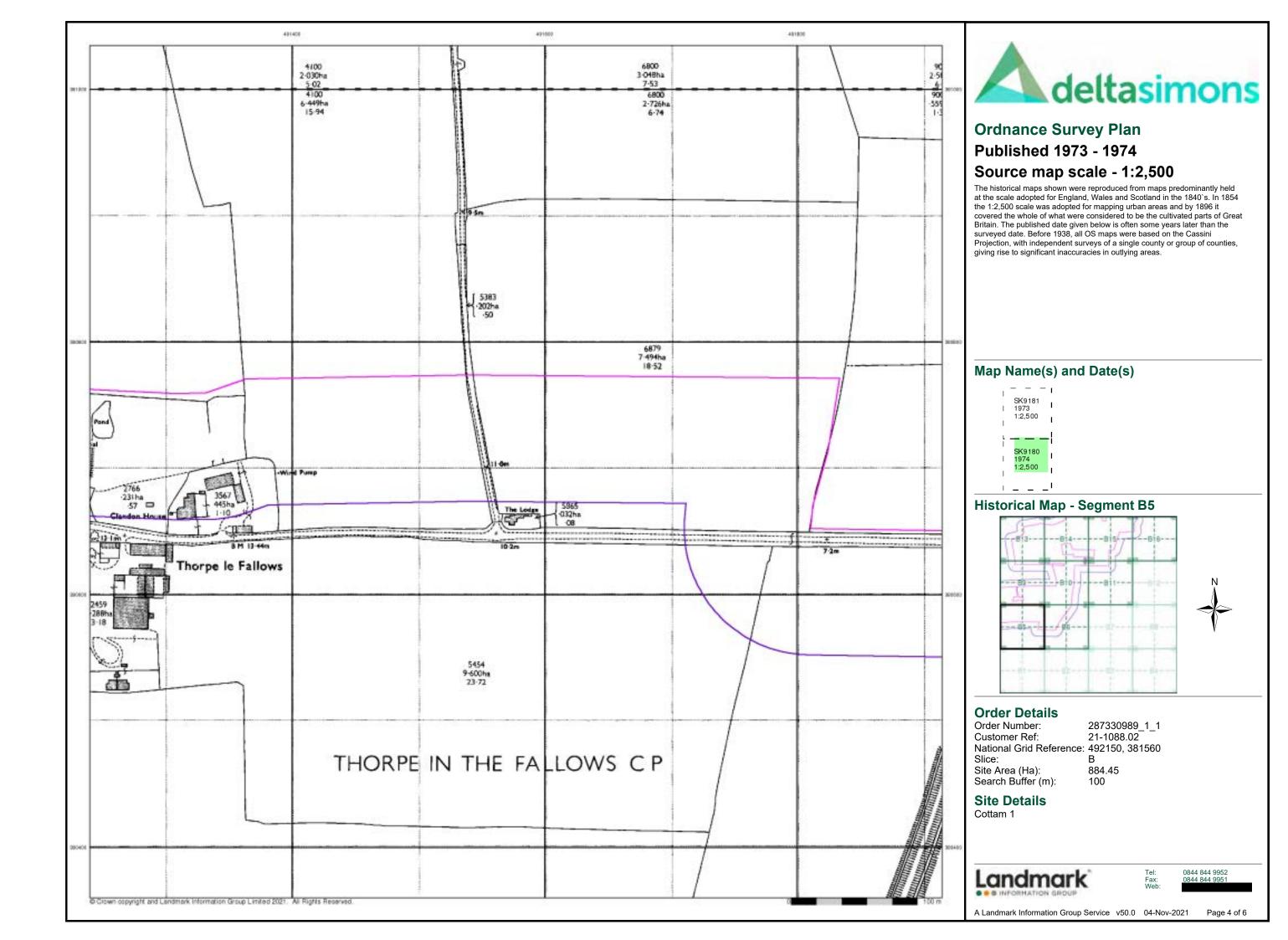


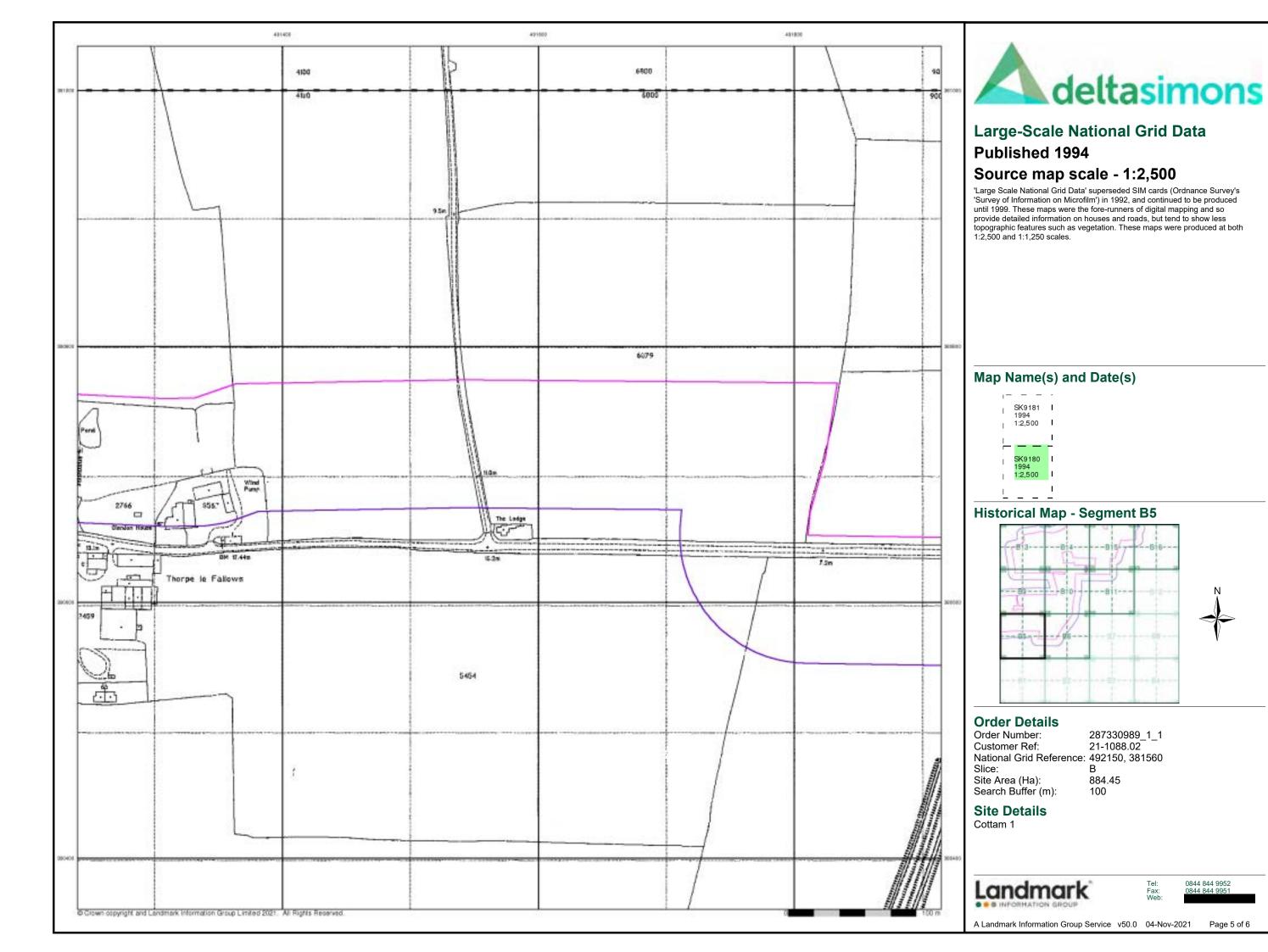
0844 844 9952

Page 1 of 6







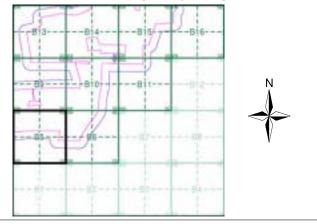






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

#### **Historical Aerial Photography - Segment B5**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492150, 381560

Slice:

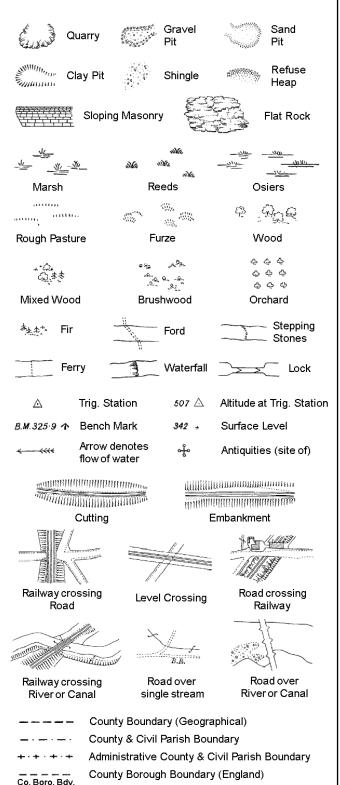
884.45 100 Site Area (Ha): Search Buffer (m):

**Site Details** 

Cottam 1

Landmark

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



County Burgh Boundary (Scotland)

S.P

Sl.

 $T_T$ 

T.C.B

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

Trough

Well

Co. Burgh Bdy.

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Guide Post or Board

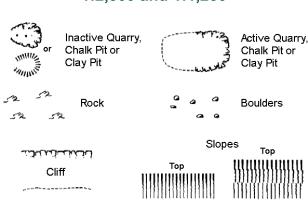
B.R.

E.P

F.B.

M.S

Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



Sloping Masonry

(surveyed)

Coppice,

Rough

Grassland

Direction

Entrance

Beer House

Capstan, Crane

Drinking Fountain

Fire Alarm Pillar

Level Crossing

Normal Tidal Limit

Foot Bridge

Guide Post

Manhole

Electricity Pillar or Post

Hydrant or Hydraulic

Mile Post or Mooring Post

**Boundary Post or Stone** 

Cave

L B Bdy

Chy

D Fn

EIP

FAP

FB

LC

MP

MS

NTL

of water flow

Roofed Building

Coniferous Tree (surveyed) Coniferous Trees (not surveyed)

Glazed Roof

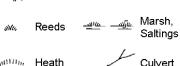
Buildina

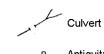
Archway

Non-Coniferous Trees ద్దిష (not surveyed) Ç o Scrub Orchard

Non-Coniferous Tree









County Boundary (Geographical)

Admin. County or County Bor. Boundary

Symbol marking point where boundary

County & Civil Parish Boundary

Civil Parish Boundary

mereing changes

London Borough Boundary

РО

PH

SB, SB

SP. SL

Τk

TCB

TCP

Wd Pp



Station

**Electricity Transmission Line** 



Pillar, Pole or Post

Public Convenience

Signal Box or Bridge

Signal Post or Light

Telephone Call Box

Telephone Call Post

Water Point, Water Tap

Post Office

Public House

Pump

Spring

Trough

Wind Pump

Tank or Track



Bracken





Triangulation



**Buildings** with

 $\boxtimes$ 







1:1,250

Cliff

Rock

Boulders

(surveyed)

(not surveyed)

Orchard

Coppice,

Rough

Grassland

Direction

BM 231.60m

of water flow

දු

Positioned Boulder

Non-Coniferous Tree

Non-Coniferous Trees

ွမ်္က Scrub

wum, Heath

Δ

**Electricity Transmission Line** 

Bench Mark

Roofed Building

Reeds

Slopes

52

Rock (scattered)

Coniferous Tree

Coniferous Trees

Bracken

Marsh,

Saltings

Culvert

Antiquity

(site of)

Electricity

(not surveyed)

(surveyed)

Boulders (scattered)

County boundary Boundary post/stone

Mile Post or Mile Stone

District boundary

Boundary mereing symbol (note: these always appear in opposed pairs or groups

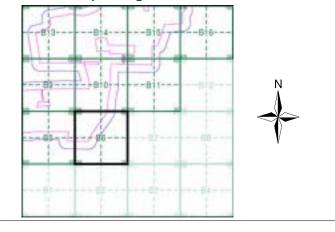
	· · · · · · · · · · · · · · · · · ·			
Bks	Barracks	Р	Pillar, I	Pole or Post
Bty	Battery	PO	Post 0	Office
Cemy	Cemetery	PC	Public	Convenience
Chy	Chimney	Pp	Pump	
Cis	Cistern	Ppg Sta	Pumpi	ng Station
Dismtd Rly	Dismantled Railway	PW	Place	ofWorship
El Gen Sta	Electricity Generating Station	Sewage Pp	g Sta	Sewage Pumping Station
EIP	Electricity Pole, Pillar	SB, S Br	Signal	Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signa	l Post or Light
FB	Filter Bed	Spr	Spring	3
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank o	or Track
Gas Gov	Gas Valve Compound	Tr	Troug	h
GVC	Gas Governer	Wd Pp	Wind I	Pump
GP	Guide Post	Wr Pt, Wr T	Water	Point, Water Tap
MH	Manhole	Wks	Works	(building or area)



#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1973 - 1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

#### **Historical Map - Segment B6**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 **Customer Ref:** National Grid Reference: 492150, 381560 Slice: 884.45

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

**Site Details** Cottam 1

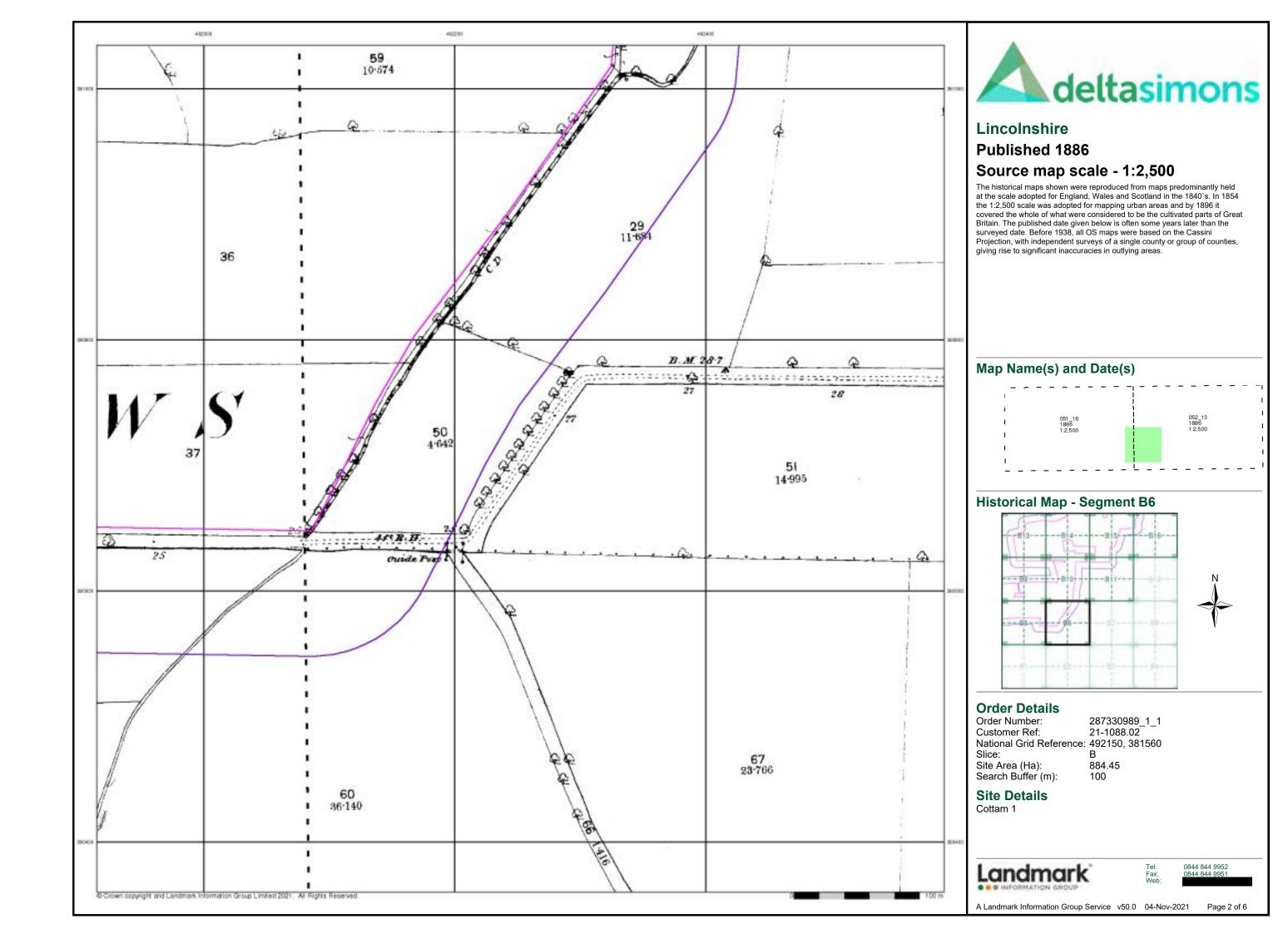
Landmark

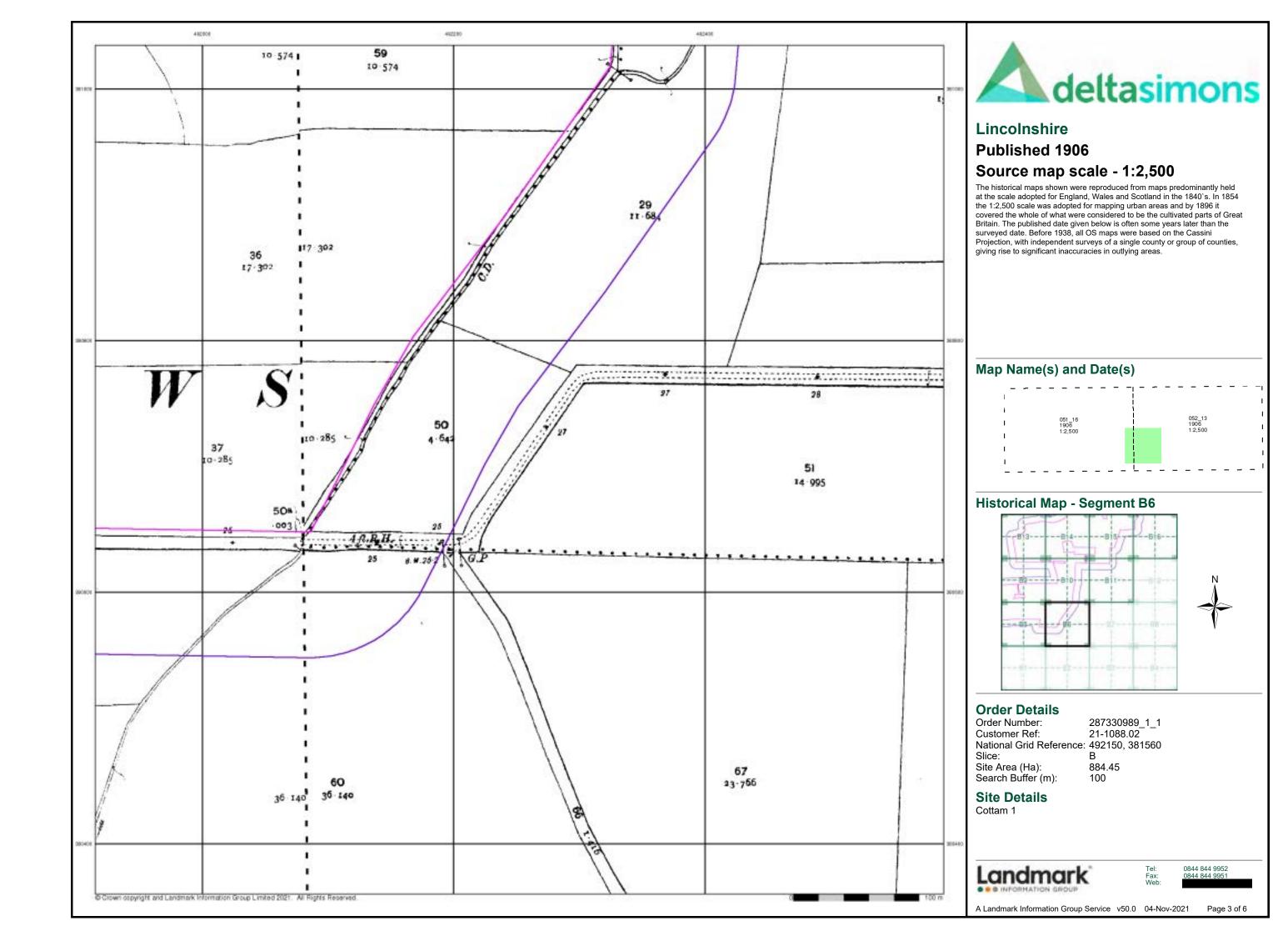
0844 844 9952

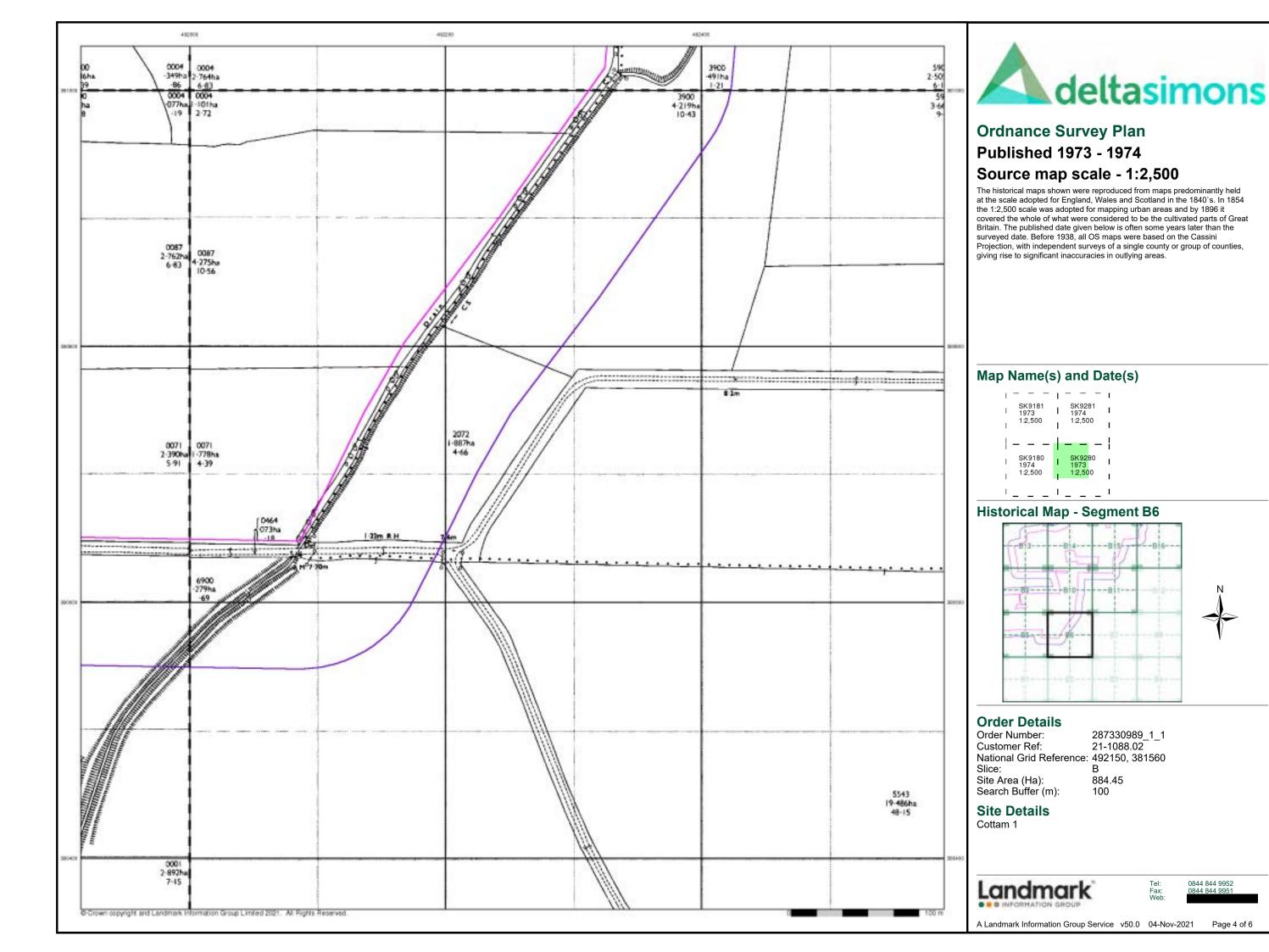
Page 1 of 6

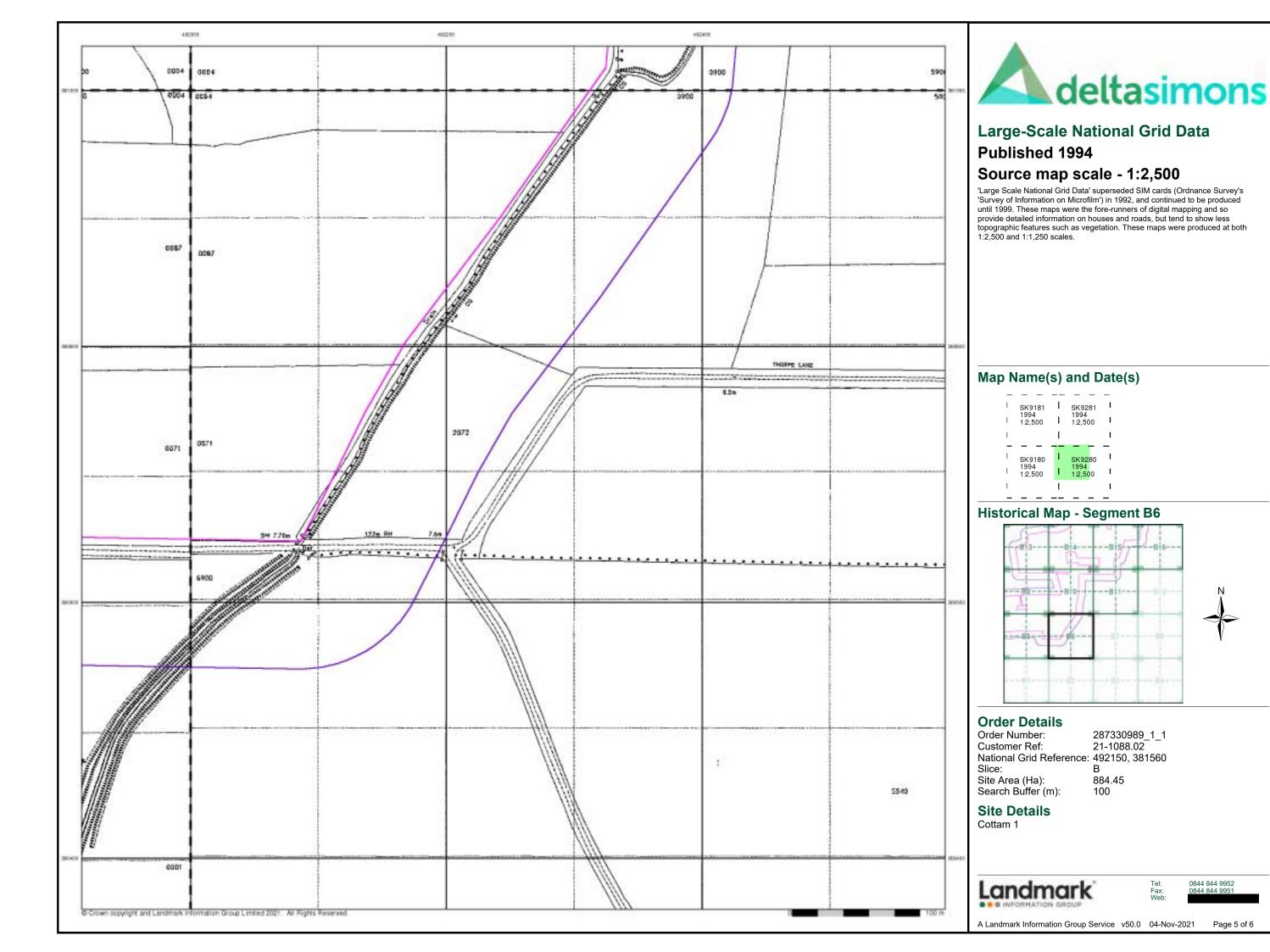
A Landmark Information Group Service v50.0 04-Nov-2021

100







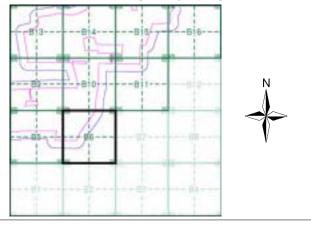






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

#### **Historical Aerial Photography - Segment B6**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492150, 381560 Slice:

Site Area (Ha): Search Buffer (m): 884.45 100

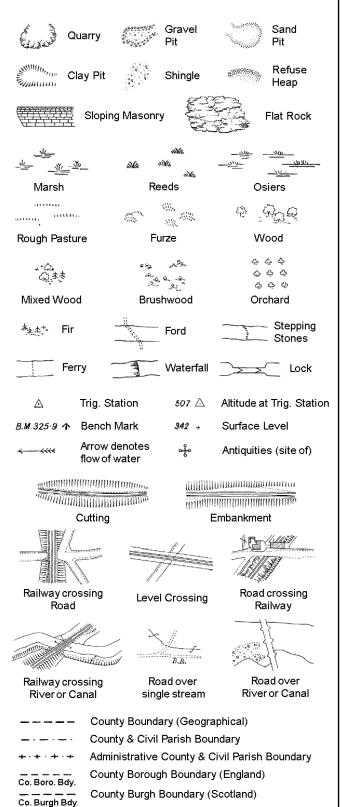
**Site Details** 

Cottam 1

Landmark'

0844 844 9952 0844 844 9951

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



B.R.

E.P

F.B.

M.S

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Guide Post or Board

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

Trough

Well

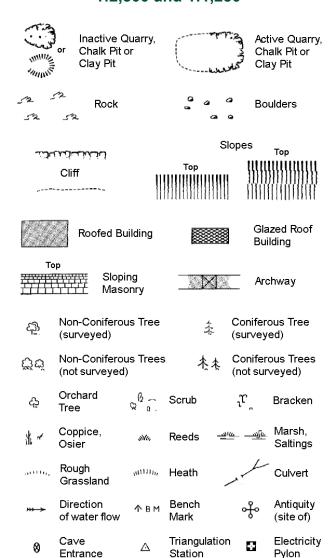
S.P

T.C.B

Sl.

 $T_T$ 

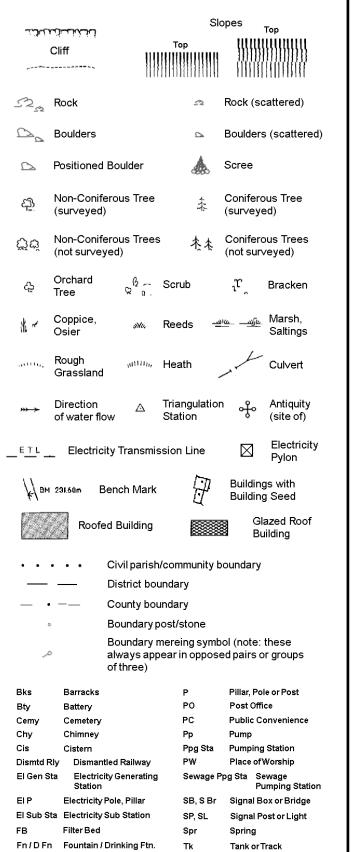
Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



ETL Electri	city Transmission Line
	County Boundary (Geographical)
	County & Civil Parish Boundary
	Civil Parish Boundary
· <del></del> · ·	Admin. County or County Bor. Boundary
L B Bdy	London Borough Boundary
	Symbol marking point where boundary mereing changes

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

# 1:1,250



Gas Valve Compound

Mile Post or Mile Stone

Gas Governer

**Guide Post** 

Manhole

GVC

MP, MS

Tr

Wd Pp

Wks

Trough

Wind Pump Wr Pt. Wr T Water Point, Water Tap

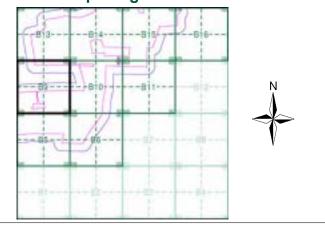
Works (building or area)



#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1973	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

#### **Historical Map - Segment B9**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 **Customer Ref:** National Grid Reference: 492150, 381560 Slice:

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

884.45 100

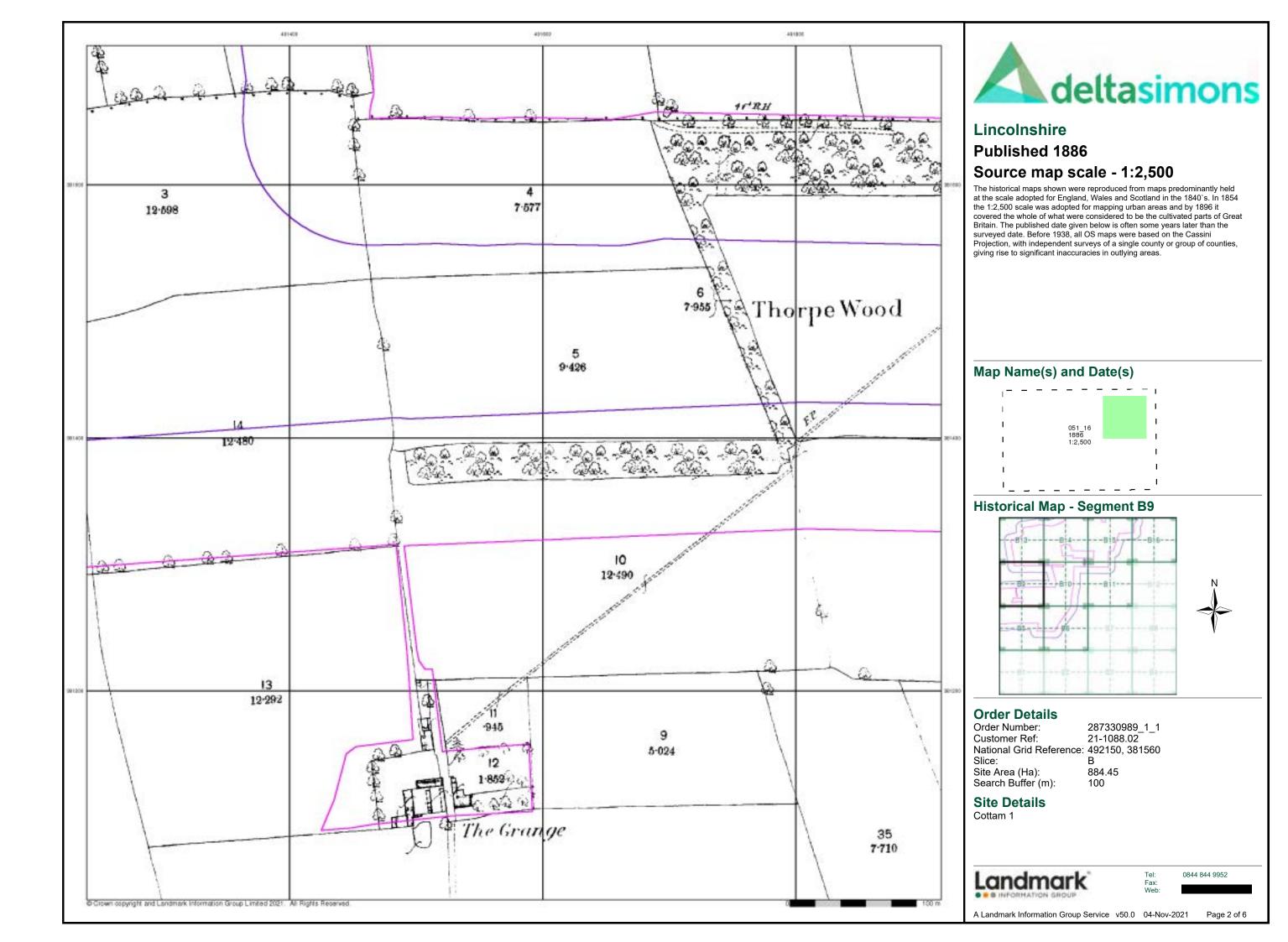
#### **Site Details**

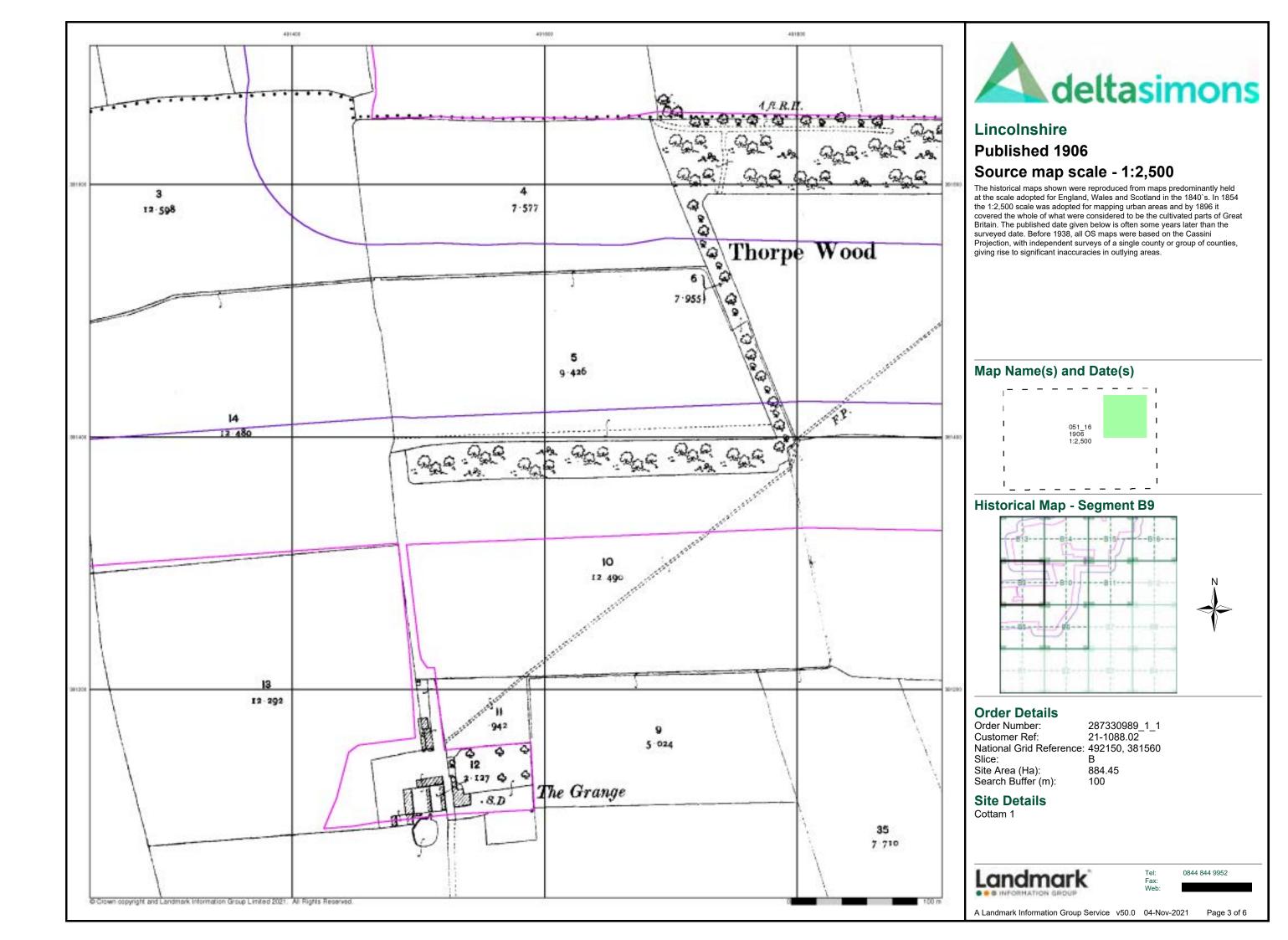
Cottam 1

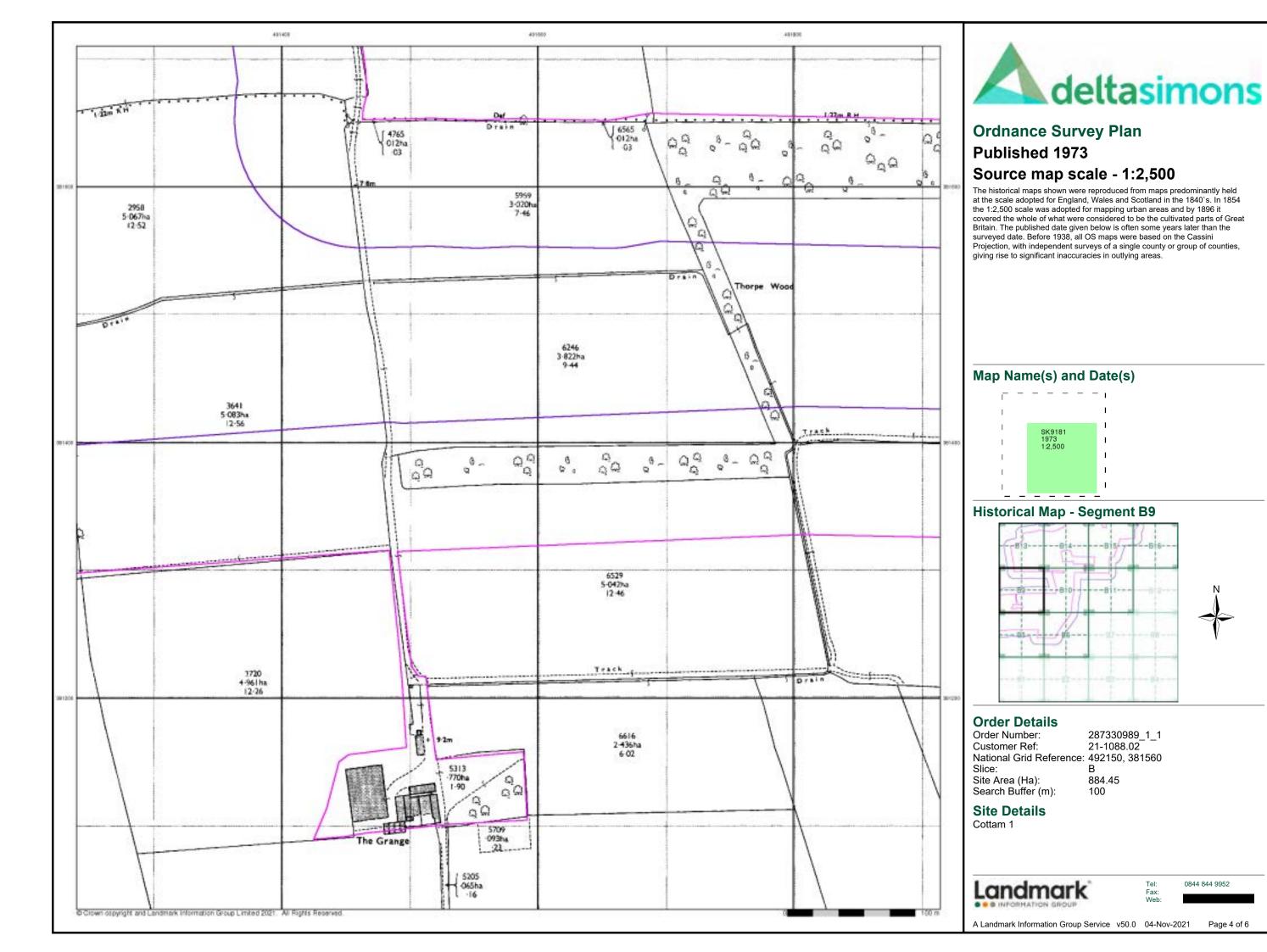


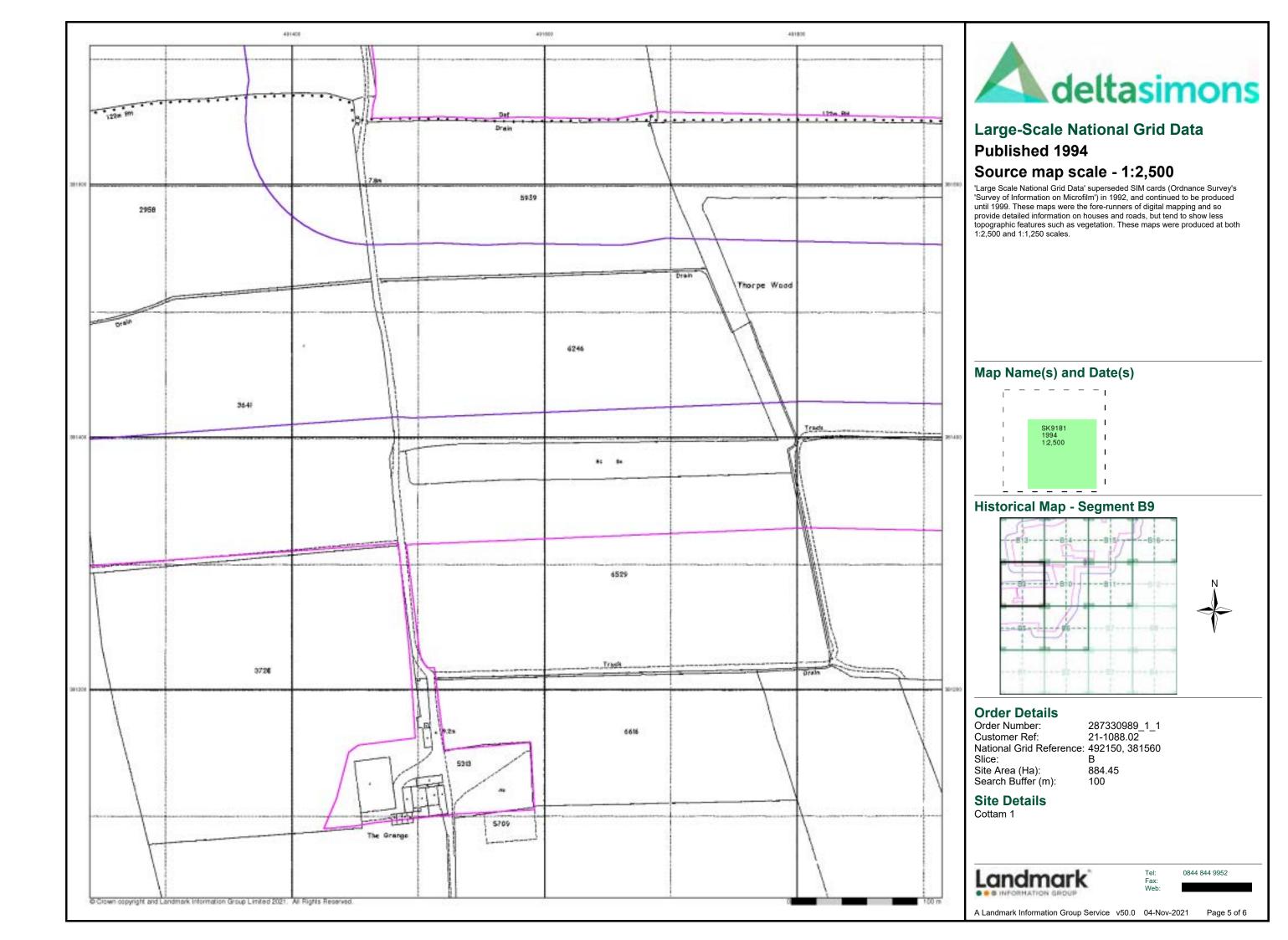
0844 844 9952

Page 1 of 6







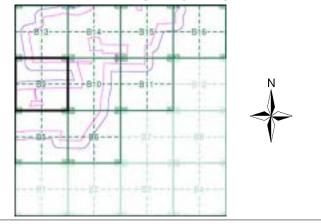






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

#### **Historical Aerial Photography - Segment B9**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492150, 381560 Slice:

Site Area (Ha): Search Buffer (m): 884.45 100

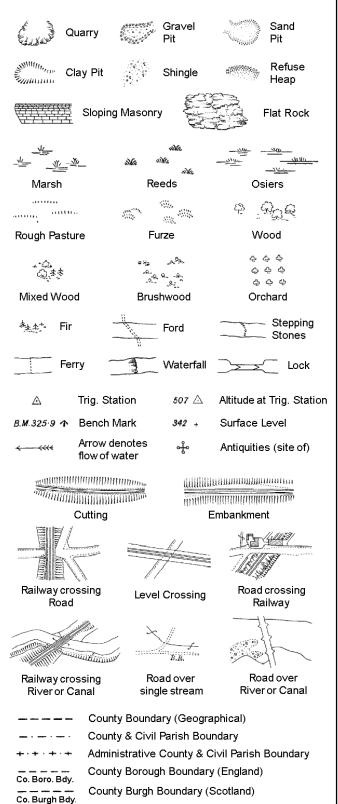
**Site Details** 

Cottam 1

Landmark'

0844 844 9952

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



B.R.

E.P

F.B.

M.S

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Guide Post or Board

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

Trough

Well

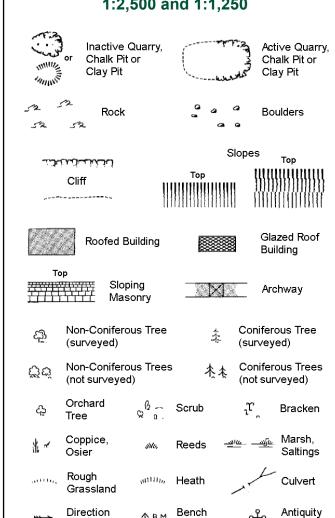
S.P

T.C.B

Sl.

 $T_T$ 

**Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



**Electricity Transmission Line** 

of water flow

Cave

Entrance

County Boundary (Geographical) County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary mereing changes

Triangulation

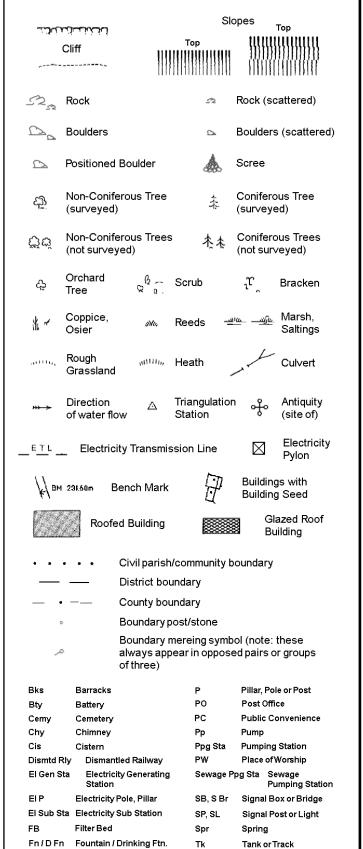
(site of)

Electricity

÷

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

#### Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and 1:1,250



Gas Valve Compound

Mile Post or Mile Stone

Gas Governer

**Guide Post** 

Manhole

GVC

MP, MS

Tr

Wd Pp

Wks

Trough

Wind Pump Wr Pt. Wr T Water Point, Water Tap

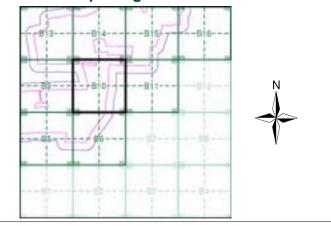
Works (building or area)



#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1973 - 1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

#### **Historical Map - Segment B10**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 **Customer Ref:** National Grid Reference: 492150, 381560 Slice: В 884.45

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

**Site Details** Cottam 1

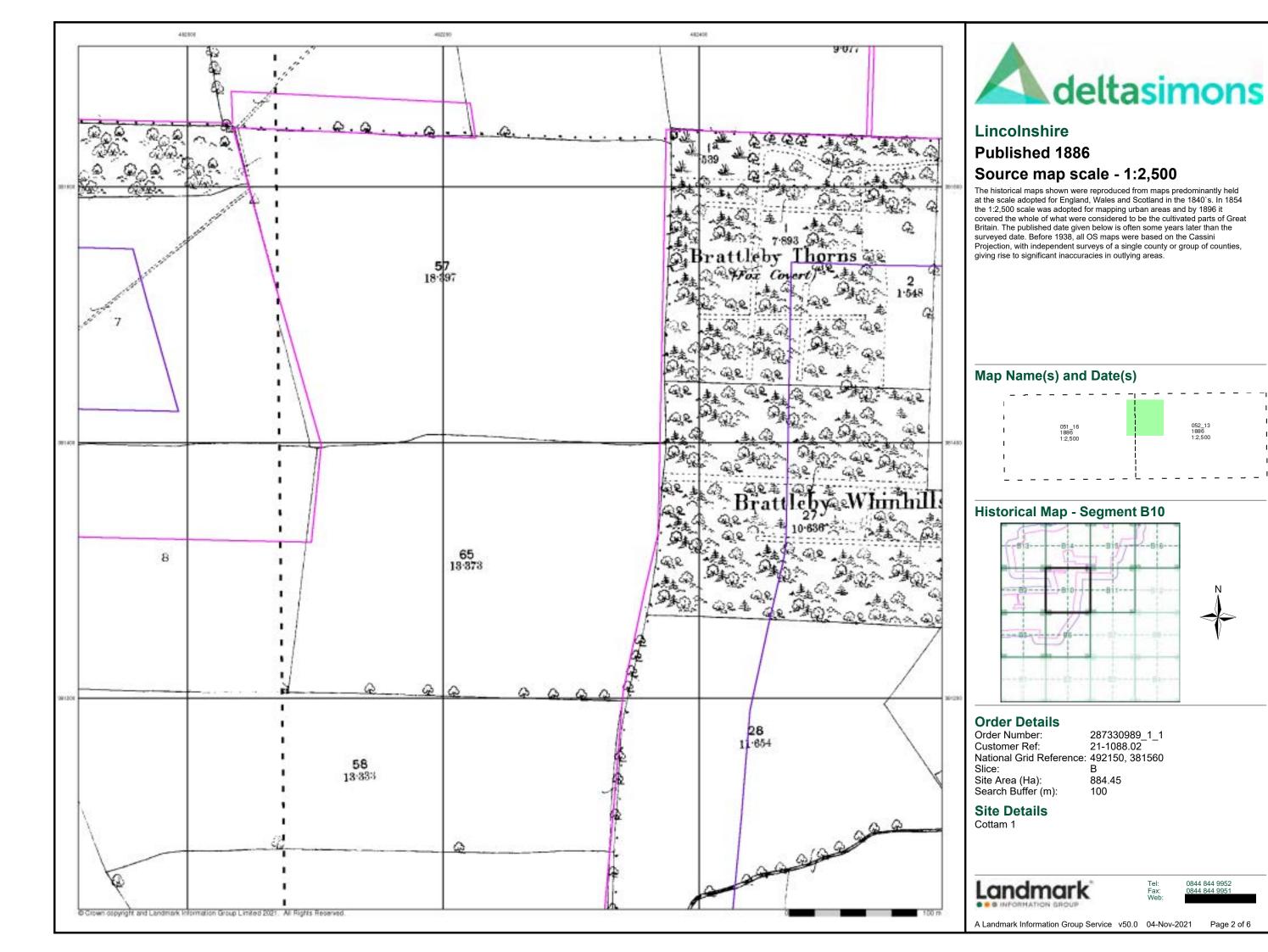


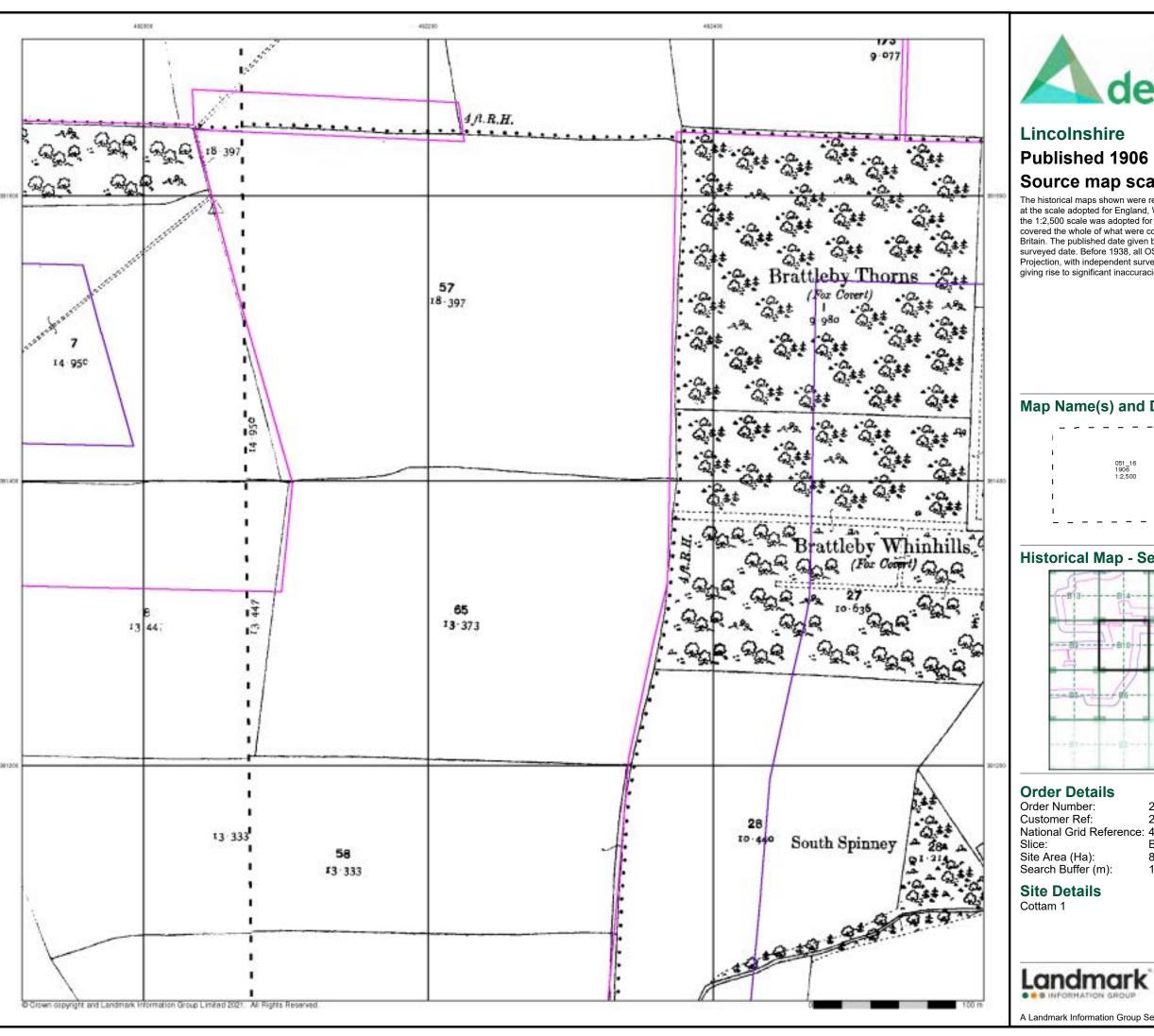
0844 844 9952

Page 1 of 6

A Landmark Information Group Service v50.0 04-Nov-2021

100



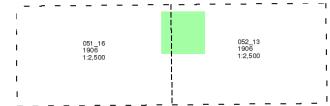




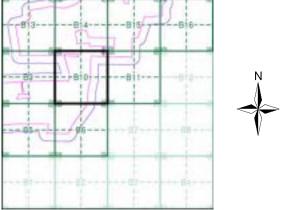
# Source map scale - 1:2,500

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 B10**



 Order Number:
 287330989\_1\_1

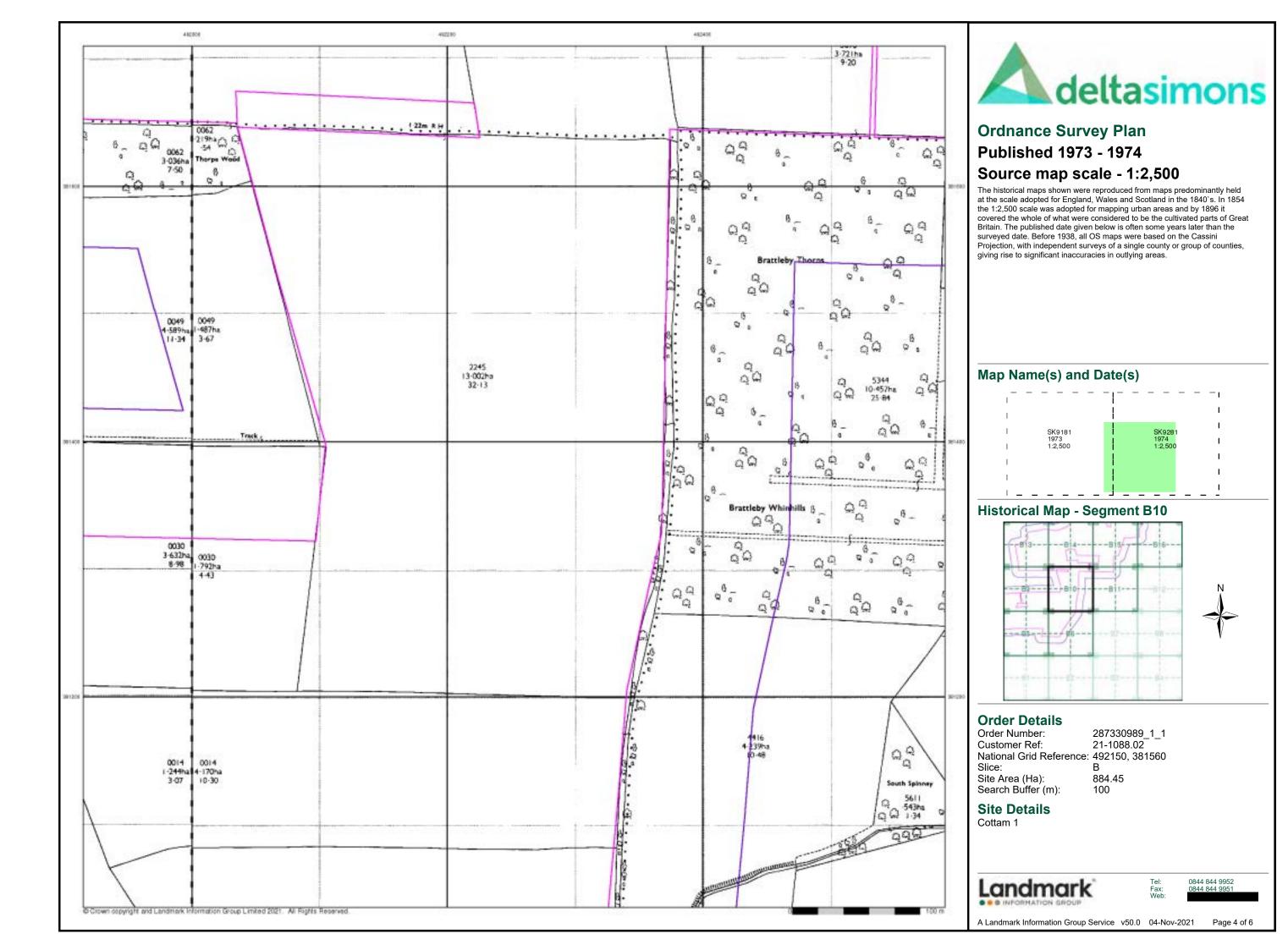
 Customer Ref:
 21-1088.02

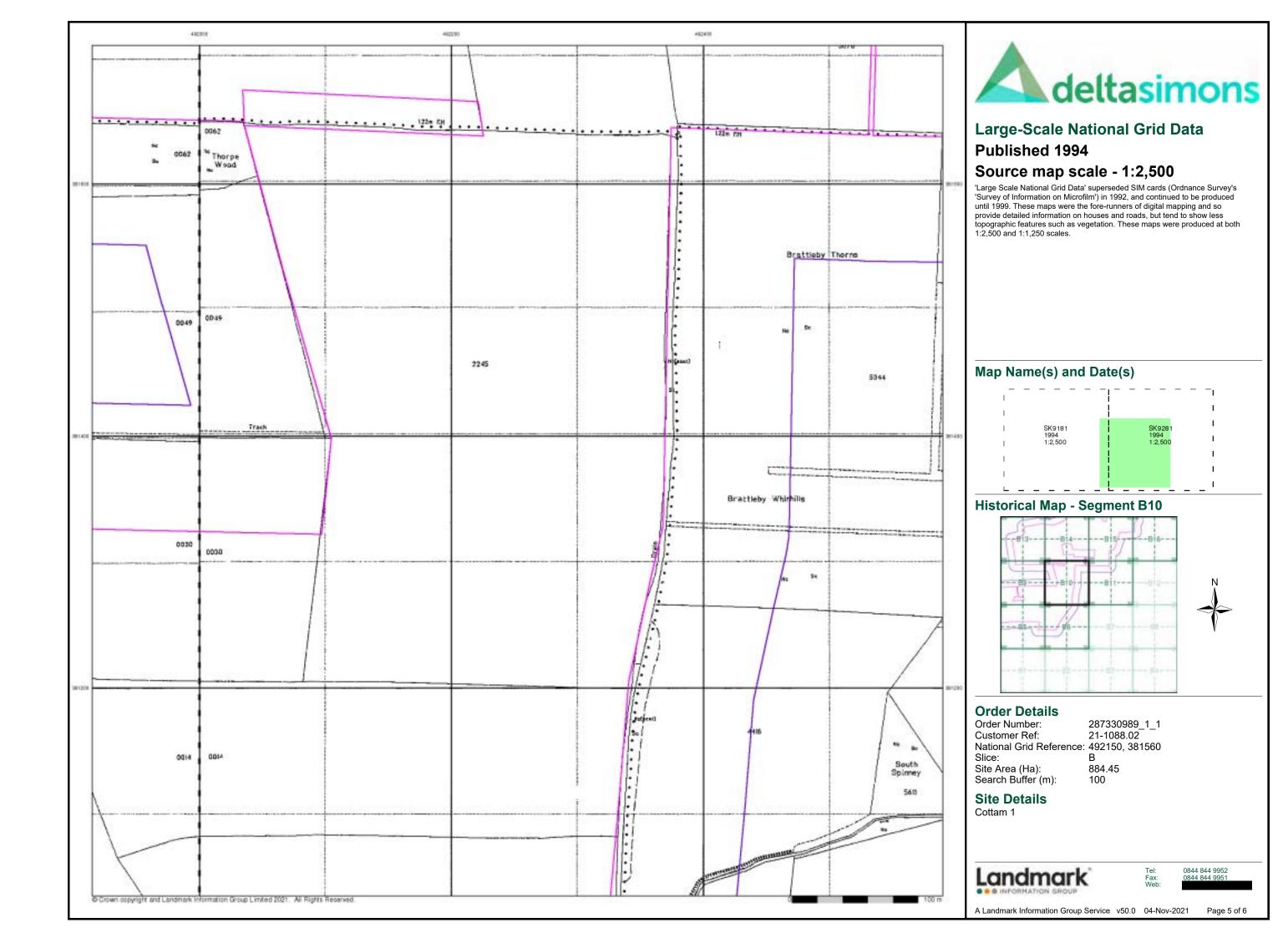
 National Grid Reference:
 492150, 381560

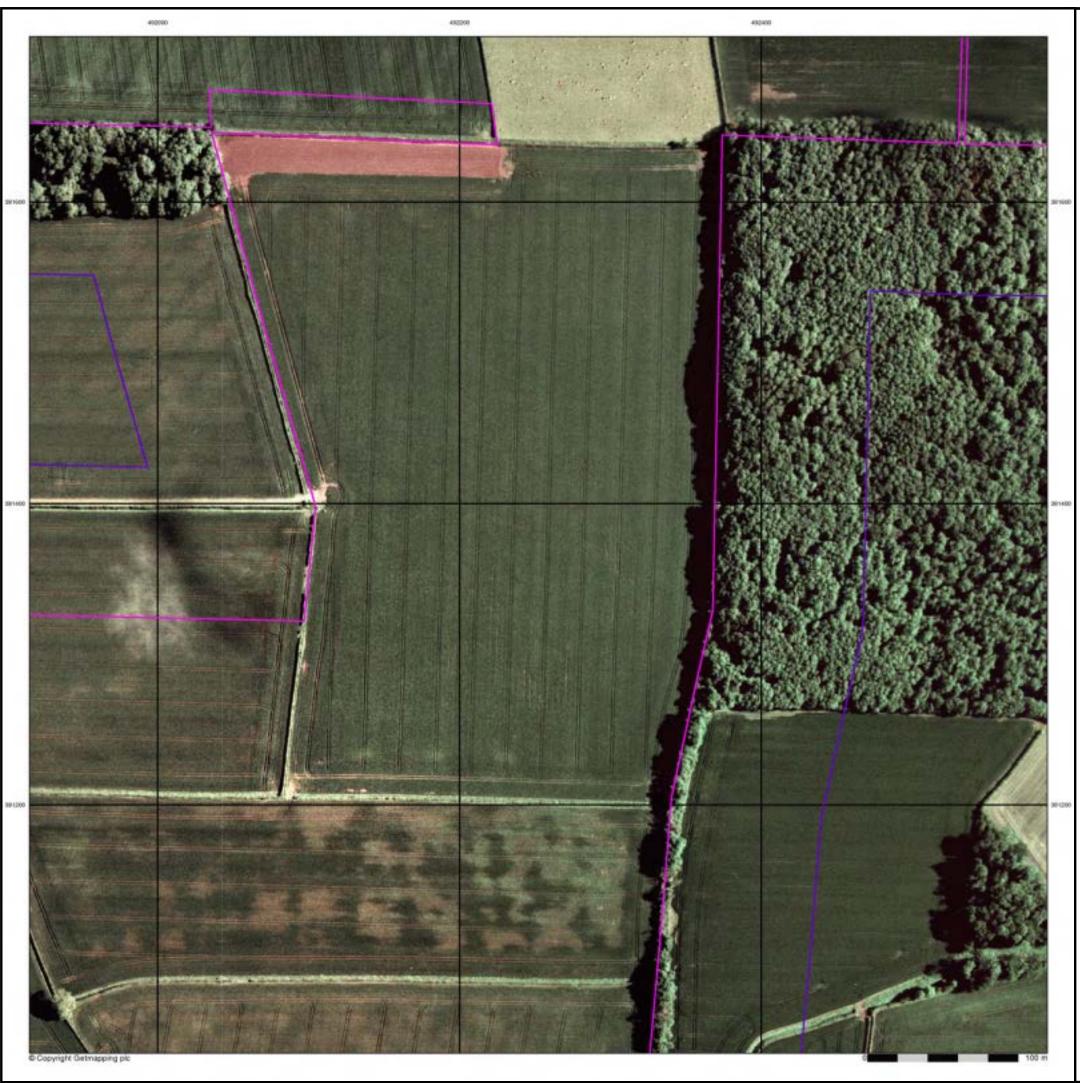
884.45



0844 844 9952



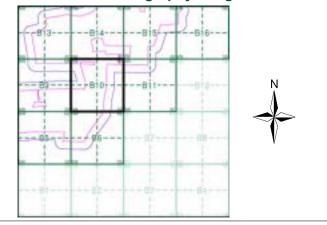






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

#### **Historical Aerial Photography - Segment B10**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492150, 381560

Slice:

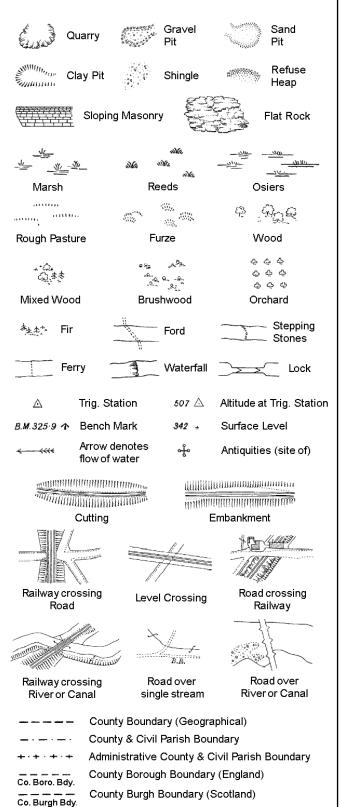
Site Area (Ha): Search Buffer (m): 884.45 100

**Site Details** 

Cottam 1

Landmark'

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



B.R.

E.P

F.B.

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

Trough

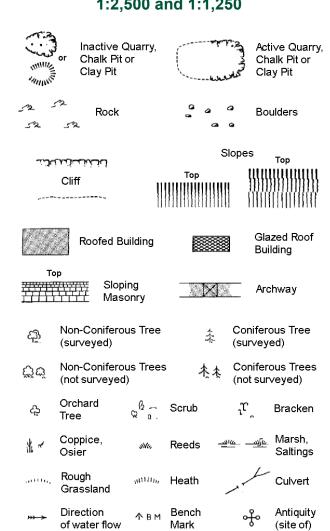
Well

S.P

Sl.

Tr:

Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



ETL Electricity Transmission Line					
	County Boundary (Geographical)				
. — . — .	County & Civil Parish Boundary				
	Civil Parish Boundary				
· <del></del> · <del></del> ·	Admin. County or County Bor. Boundary				
L B Bdy	London Borough Boundary				
280	Symbol marking point where boundary				

mereing changes

Triangulation

Station

Cave

Electricity

÷

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

# 1:1,250

		Slopes					
بالمثند	المنافعات. المنافعات	To	ор	10111111	Гор 		
	Cliff	111111111	iinnenn –	_)))))))	!!!!!!!!!		
,					111111111		
525	Rock		23	Rock (sc	attered)		
$\triangle_{\triangle}$	Boulders		Δ	Boulders	(scattered)		
	Positioned Bould	der		Scree			
2월	Non-Coniferous (surveyed)	Tree	-1-	Conifero (surveye			
స్తోబ్	Non-Coniferous (not surveyed)	Trees	A A	Conifero (not surv	us Trees eyed)		
දා	Orchard Tree S	ß ← Scr	ub	r,	Bracken		
* ~	Coppice, Osier	₩. Ree	eds <u></u>	<u> </u>	Marsh, Saltings		
artitr,	Rough Grassland	<sub>иши</sub> , Неа	ath /	1	Culvert		
<b></b> →	Direction of water flow	△ Tria Stat	ngulation tion	ઌ૾ૢૺ૰	Antiquity (site of)		
E <u>T</u> L	Electricity Tra	ansmission	Line	$\boxtimes$	Electricity Pylon		
K BM	231.60m Bench	Mark		Building Building			
	Roofed Bui	lding		9	azed Roof ilding		
	Civil	narish/com	munity ho	nundary			
Civil parish/community boundary     District boundary							
_			-				
		nty boundar					
		ndary post/s		d /nata: t	haaa		
,		idary mere ys appear i ee)					
Bks	Barracks		Р	Pillar, Pole	e or Post		
Bty	Battery		PO	Post Offic			
Cemy	Cemetery		PC		nvenience		
Chy Cis	Chimney Cistern		Pp Ppg Sta	Pump Pumping	Station		
Dismtd F		ilway	PW	Place of W			
El Gen S	ita Electricity Gen	•	Sewage Pp	g Sta Se	wage		
EIP	Station Electricity Pole, P	illar	SB, S Br		mping Station ox or Bridge		
	ta Electricity Sub St		SP, SL	_	st or Light		
FB	Filter Bed		Spr	Spring			
Fn / D Fr	n Fountain / Drinkii	ng Ftn.	Tk	Tank or Tr	rack		
00			т.,	Tunnel			

Gas Valve Compound

Mile Post or Mile Stone

Gas Governer

**Guide Post** 

Manhole

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

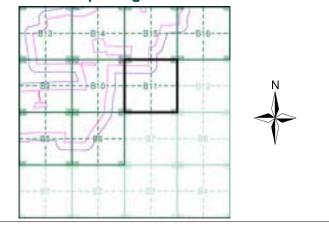
Wd Pp



#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

#### **Historical Map - Segment B11**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 492150, 381560 Slice: 884.45

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

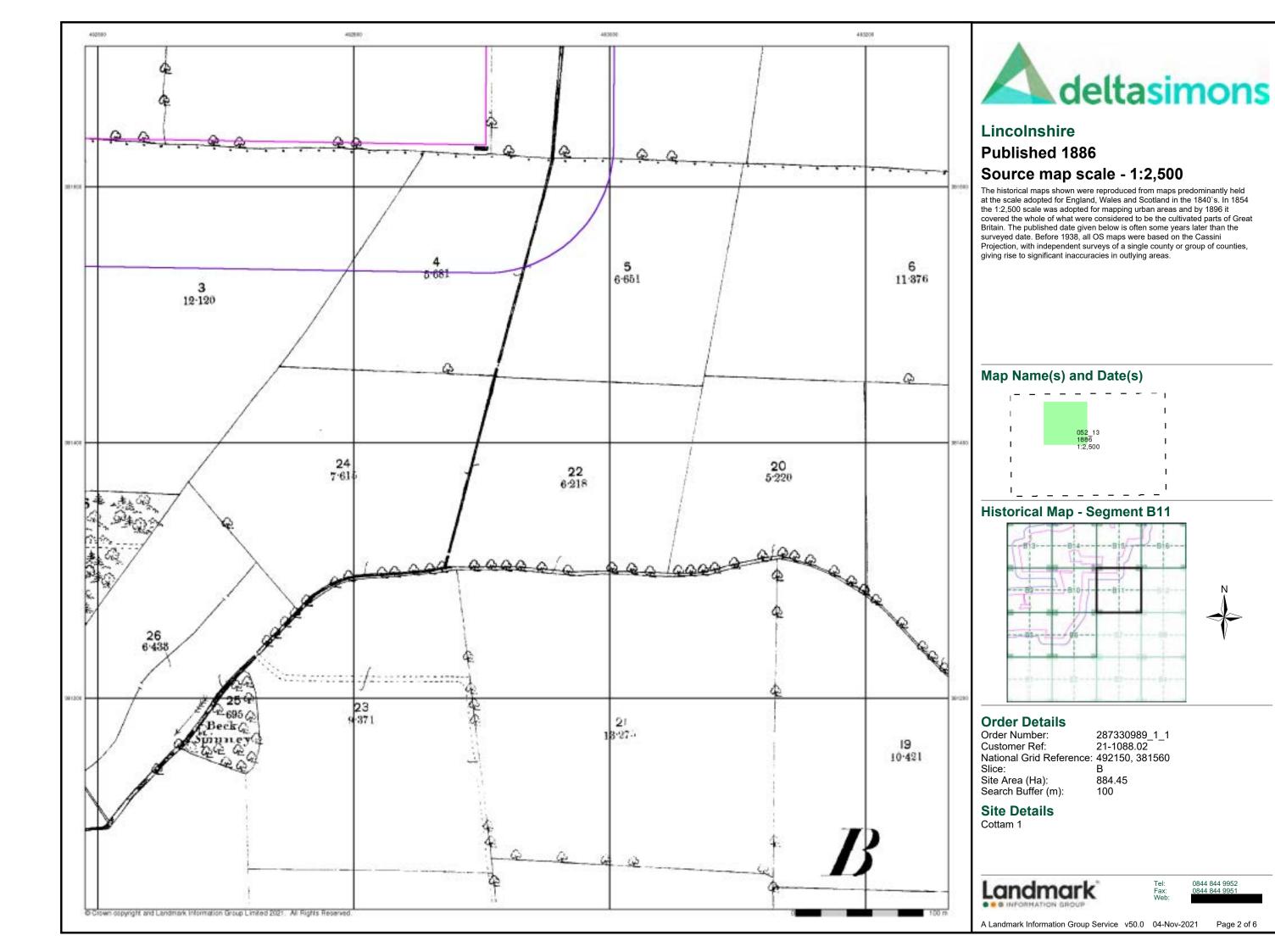
#### **Site Details**

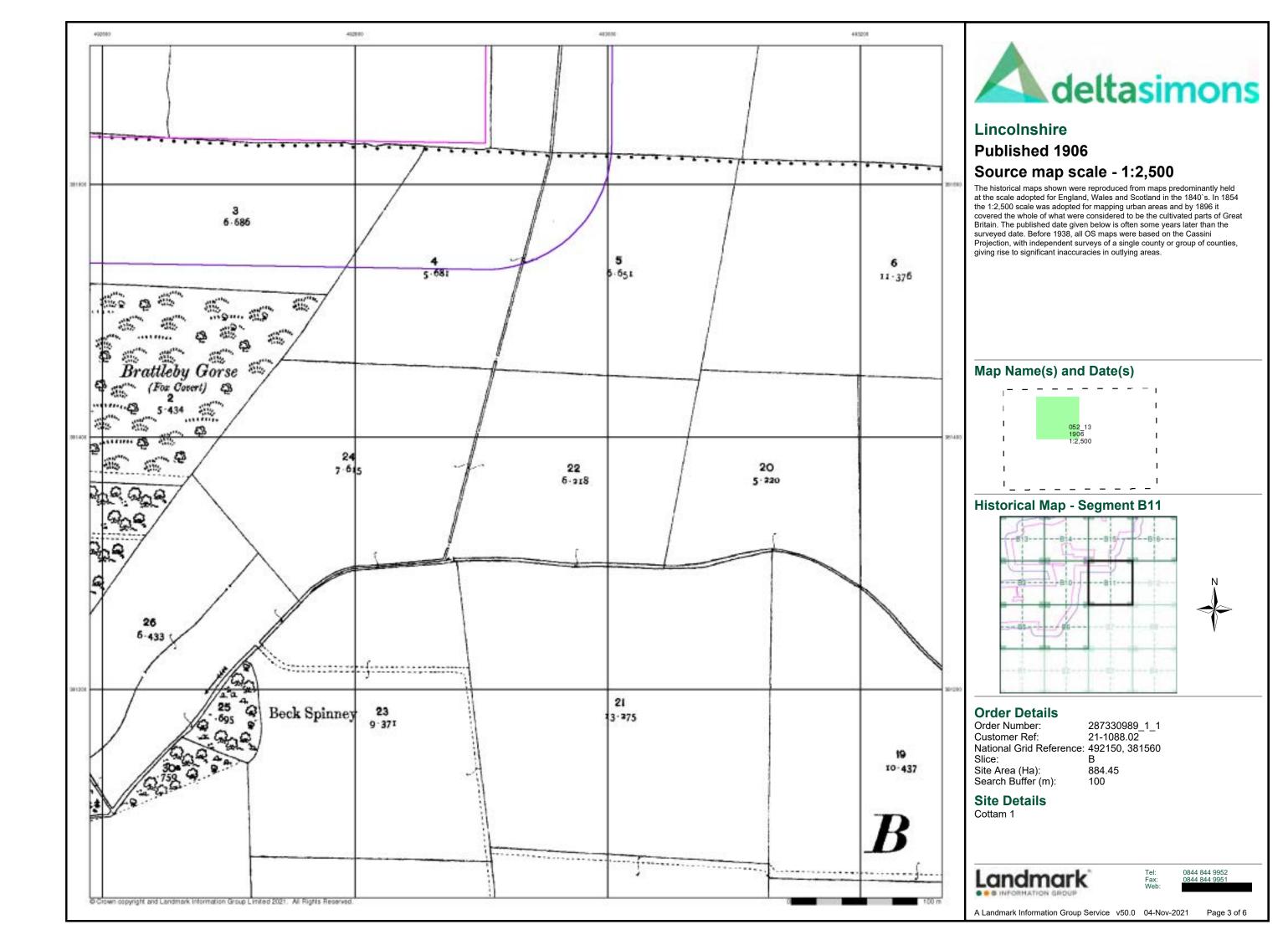
Cottam 1

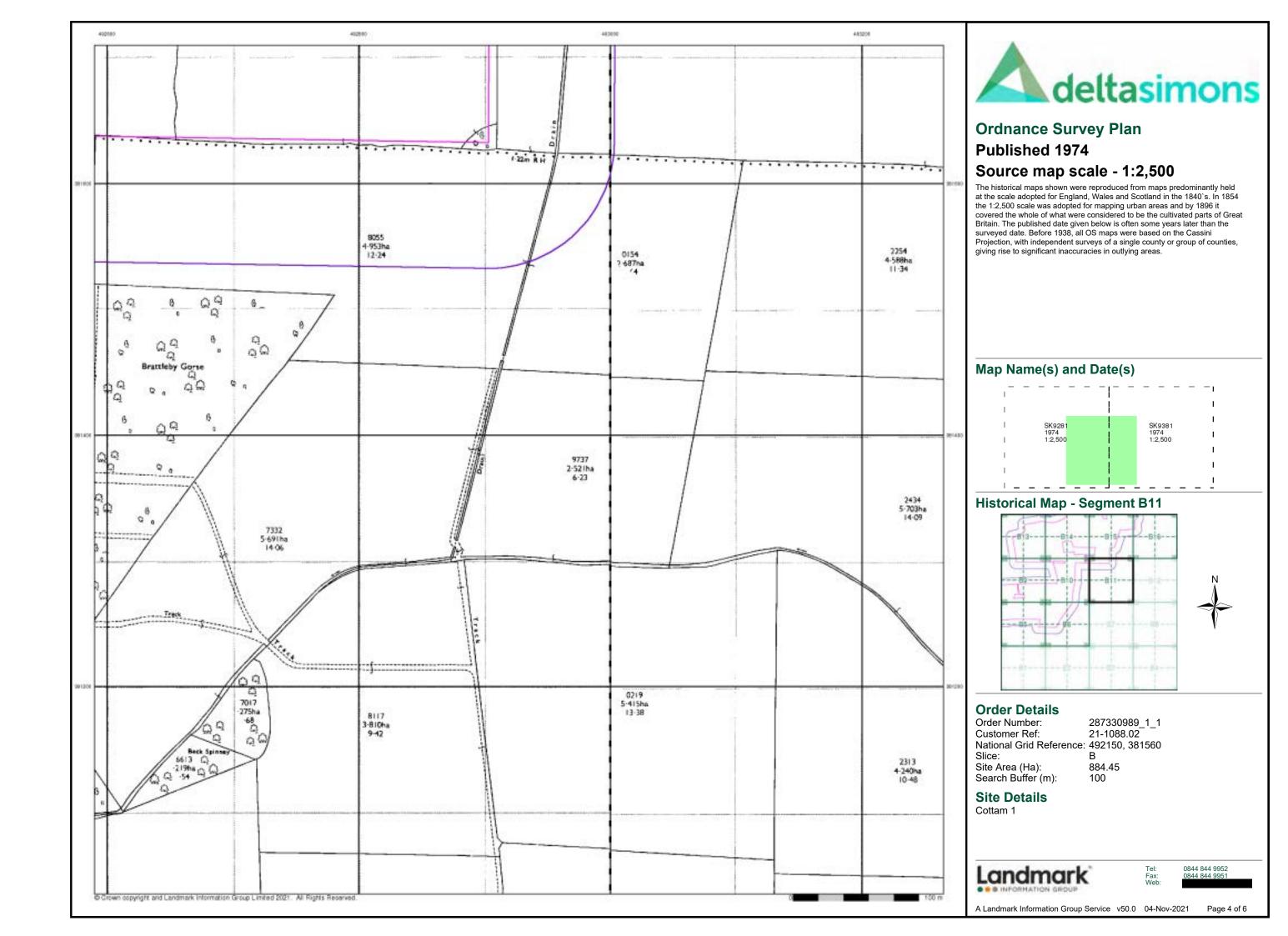


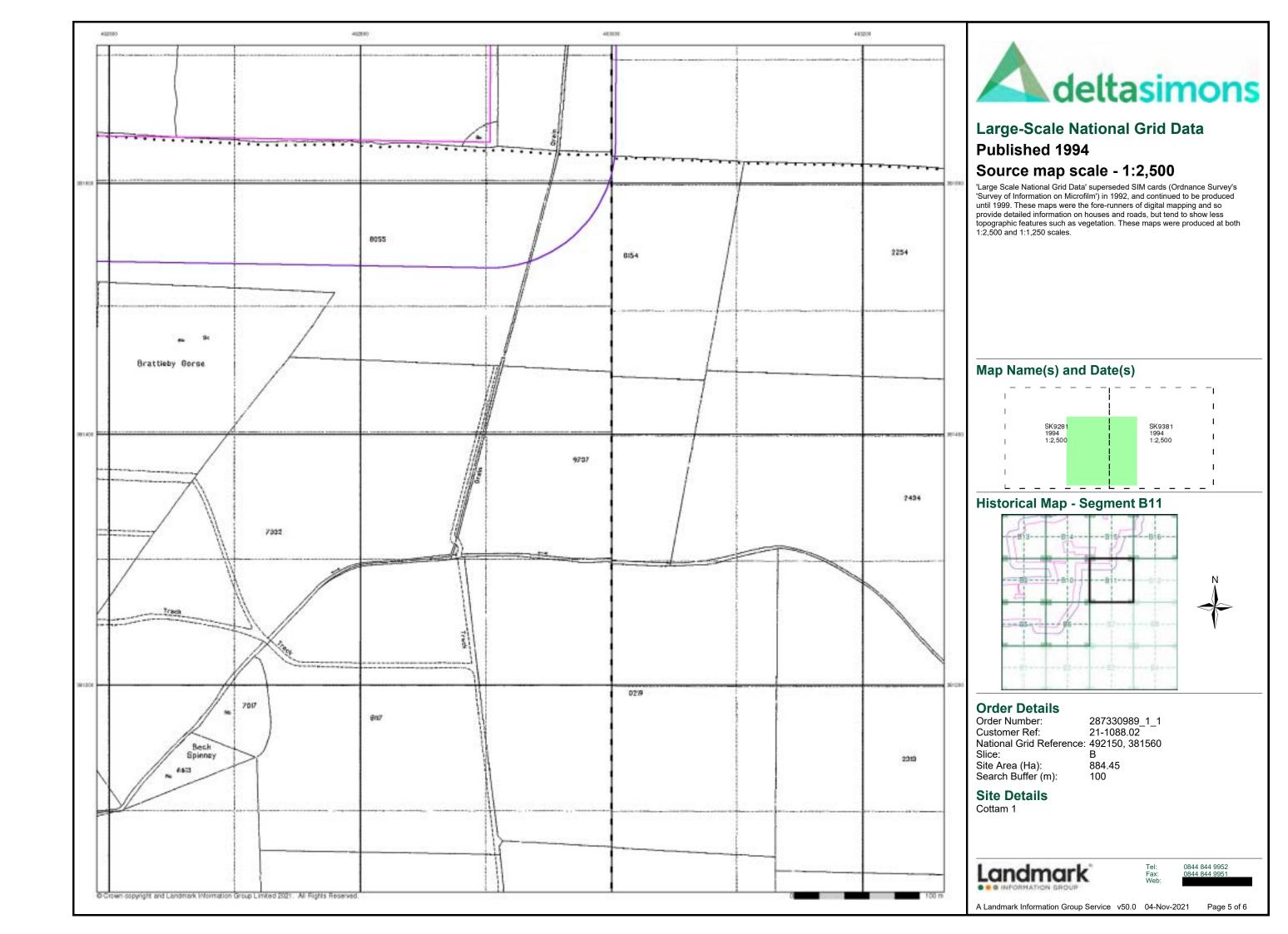
0844 844 9952

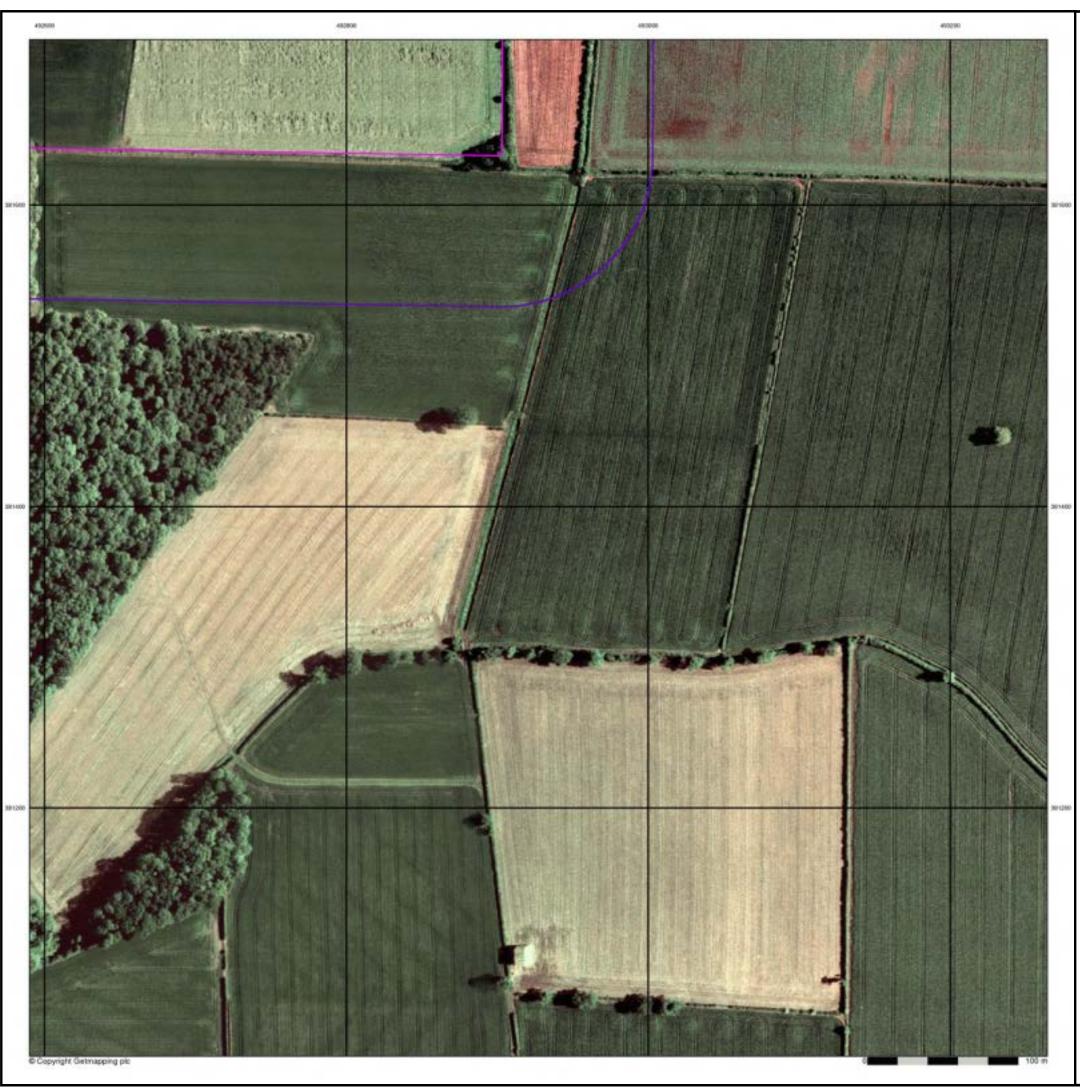
Page 1 of 6









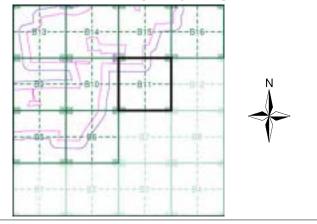




# **Historical Aerial Photography** Published 1999

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

#### **Historical Aerial Photography - Segment B11**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492150, 381560

Slice:

Site Area (Ha): Search Buffer (m): 884.45 100

**Site Details** 

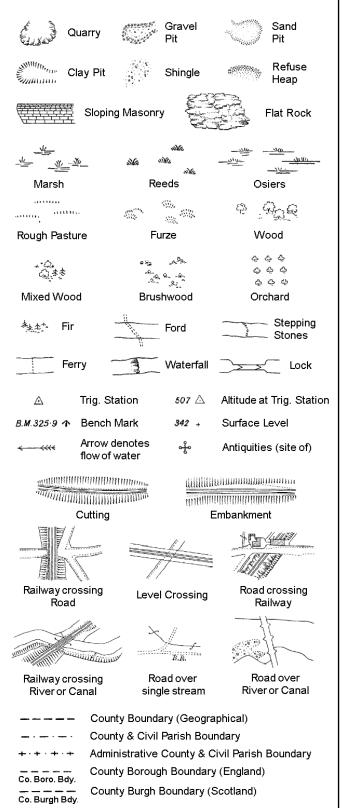
Cottam 1

Landmark

A Landmark Information Group Service v50.0 04-Nov-2021 Page 6 of 6

# **Historical Mapping Legends**

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



B.R.

EP

F.B.

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

Trough

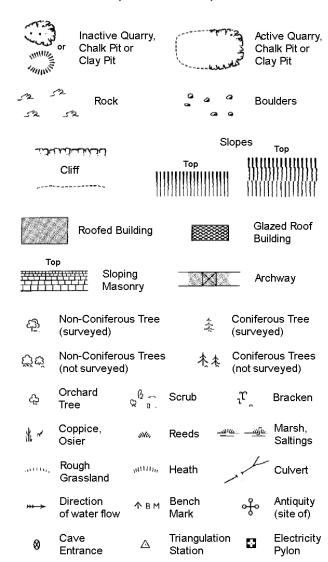
Well

S.P

Sl.

Tr:

#### Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



# **Electricity Transmission Line**

	_
	County Boundary (Geographical)
	County & Civil Parish Boundary
	Civil Parish Boundary
· <del></del> -	Admin. County or County Bor. Boundary
- <del></del>	London Borough Boundary
	Symbol marking point where boundary mereing changes

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

# 1:1,250

_			Slo	pes _	Ta.
<i>ب</i> ائند	لكنيست	То	n	1111111	Гор 
	Cliff	UIUIIII	MHHHH	_))))))	))))))))
,					111111111
522	Rock		22	Rock (sc	attered)
$\triangle_{\underline{a}}$	Boulders		۵	Boulders	(scattered)
$\triangle$	Positioned Boul	der		Scree	
<u>දව</u>	Non-Coniferous (surveyed)	Tree		Conifero (surveye	
ర్జోట్	Non-Coniferous (not surveyed)	Trees	A A	Conifero (not surv	us Trees reyed)
දා	Orchard Tree	β Ω Scru	dı	r,	Bracken
* ~	Coppice, Osier	₩. Ree	ds <u>- শ্</u> রুণ	<u> — ചില</u>	Marsh, Saltings
actitic,	Rough Grassland	աստ, Hea	th /	1	Culvert
<b>››→</b>	Direction of water flow	∆ Tria Stat	ngulation ion	ઌ૾ૺ	Antiquity (site of)
E <u>T</u> L_	Electricity Tr	ansmission	Line	$\boxtimes$	Electricity Pylon
/ <del>/</del> / ВМ	231.60m Bench	Mark		Building Building	
	Roofed Bu	ilding		4	azed Roof ilding
	· · · Civil	parish/com	munity bo	oundary	
		ict boundar		,	
		nty boundar	-		
		ndary post/s			
		ndary merei		al (note: 1	these
Å		ys appear i			
Bks	Barracks		Р	Pillar, Pol	e or Post
Bty	Battery		PO	Post Offic	
Cemy	Cemetery		PC		onvenience
Chy	Chimney		Pp	Pump	Ctatia m
Cis Dismtd F	Cistern	ibrav	Ppg Sta PW	Pumping Place of V	
Dismtd F El Gen S	-	-	Pw Sewage Pp		vorsnip wage
	Station	_		Pu	mping Station
EIP	Electricity Pole, F		SB, S Br	_	ox or Bridge
	ta Electricity Sub S	tation	SP, SL		st or Light
FB	Filter Bed		Spr	Spring	
Fn / D Fr	n Fountain / Drinki	ng FtN.	Tk T-	Tank or Ti	rack

Gas Valve Compound

Mile Post or Mile Stone

Gas Governer

**Guide Post** 

Manhole

GVC

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Wd Pp

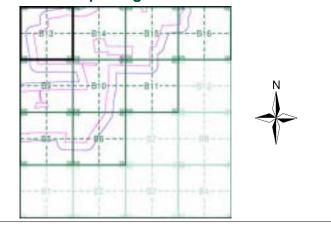
Wks



#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1973 - 1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

### **Historical Map - Segment B13**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 492150, 381560 Slice:

Site Area (Ha):

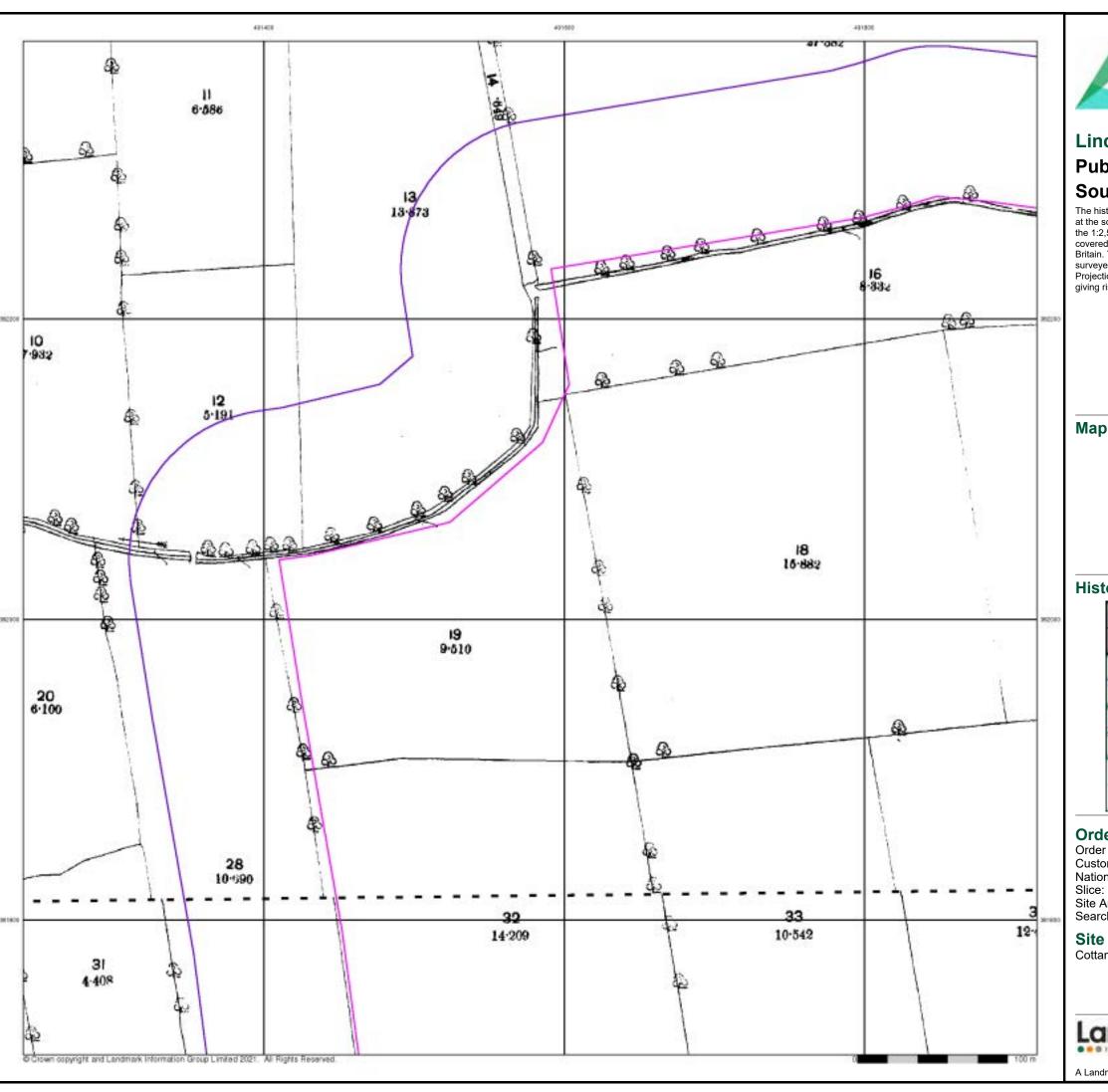
884.45 Search Buffer (m):

**Site Details** Cottam 1

Landmark

0844 844 9952

Page 1 of 6

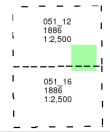




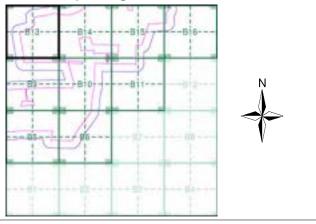
# **Published 1886** Source map scale - 1:2,500

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 B13**



#### **Order Details**

Order Number: 287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 492150, 381560

Site Area (Ha): Search Buffer (m): 884.45 100

### **Site Details**

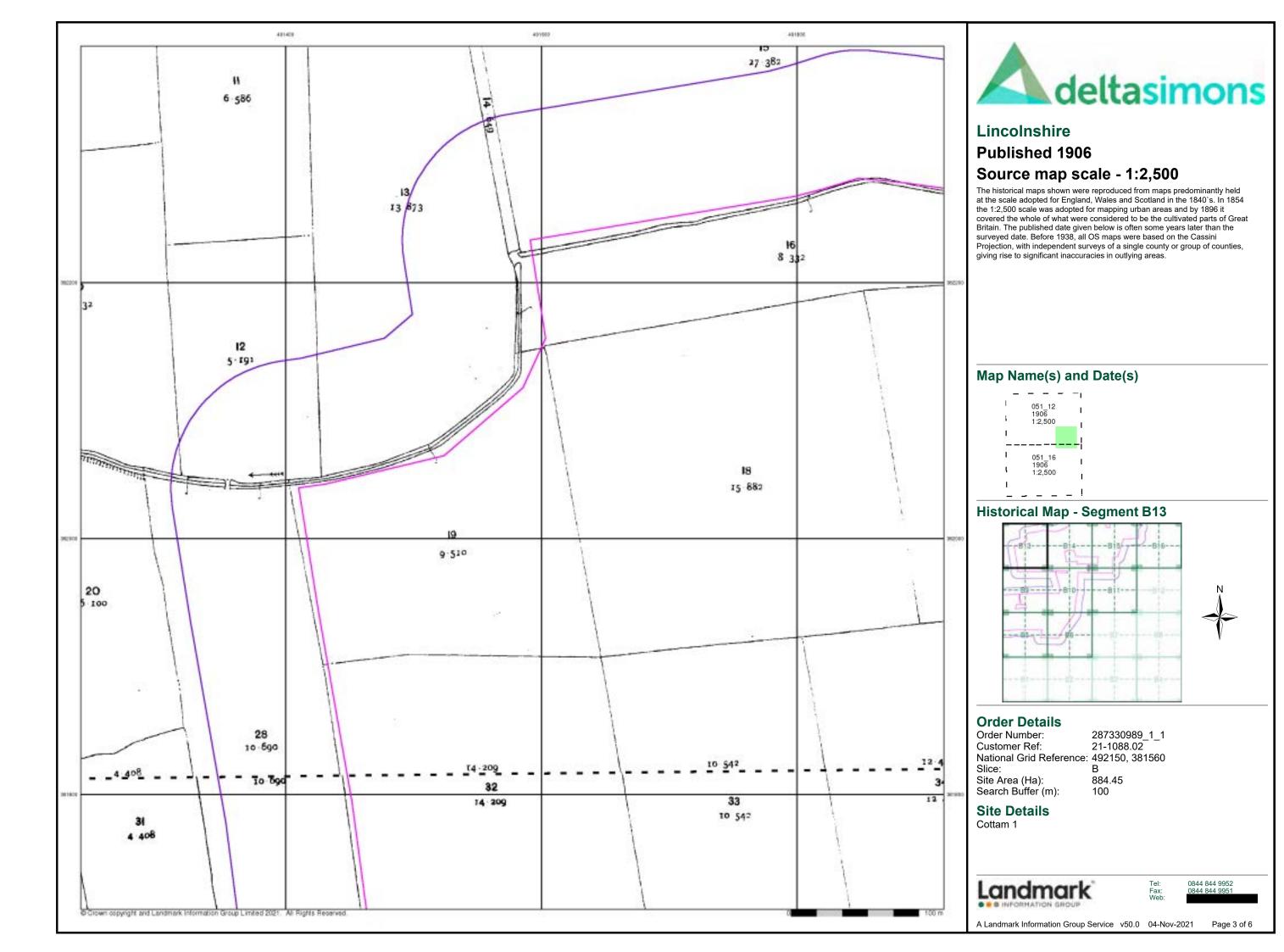
Cottam 1

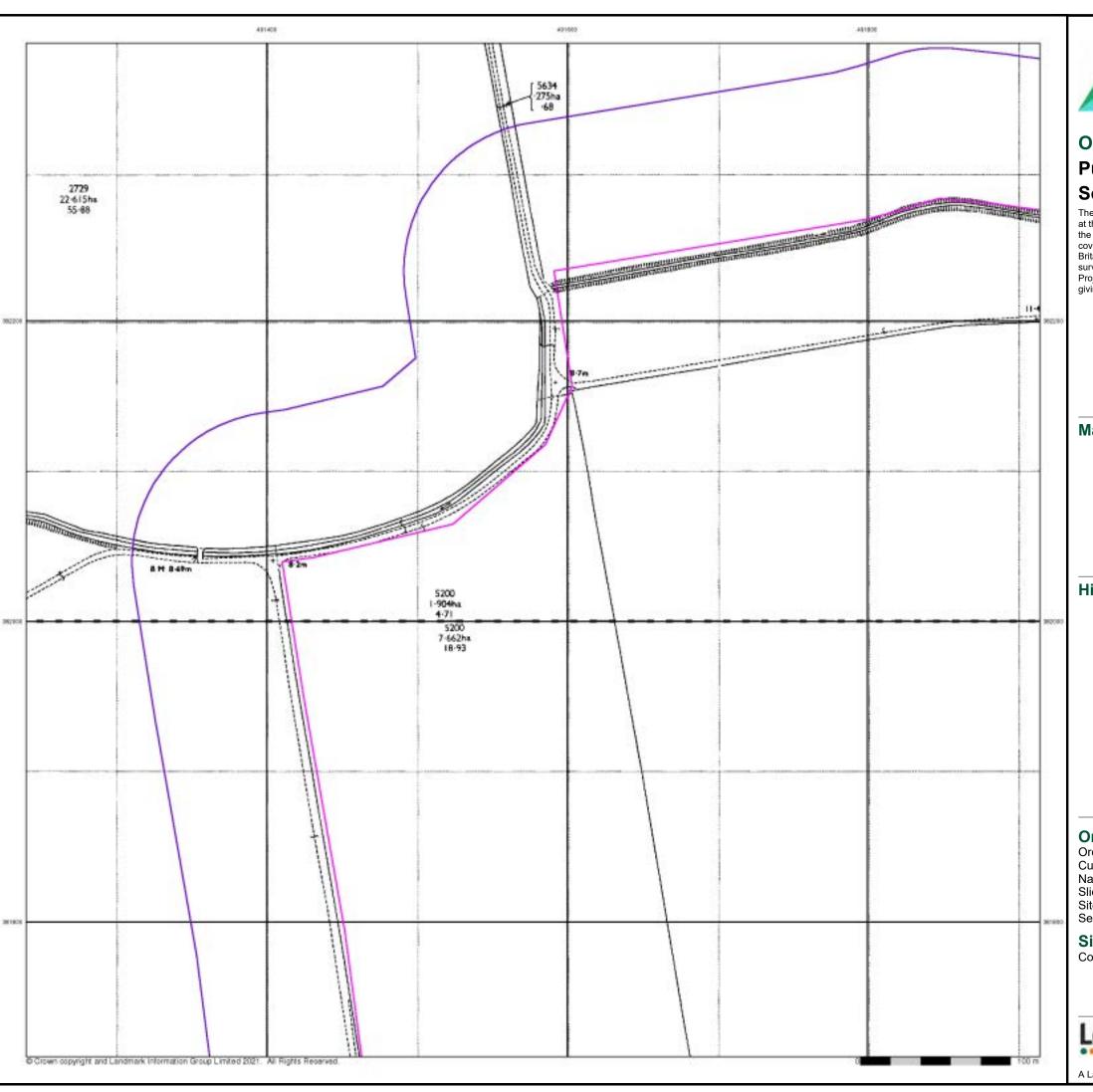


0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021

Page 2 of 6



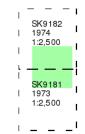




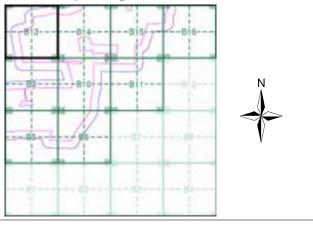
# **Ordnance Survey Plan Published 1973 - 1974** Source map scale - 1:2,500

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 surveyes 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 B13**



#### **Order Details**

Order Number: 287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 492150, 381560 Slice:

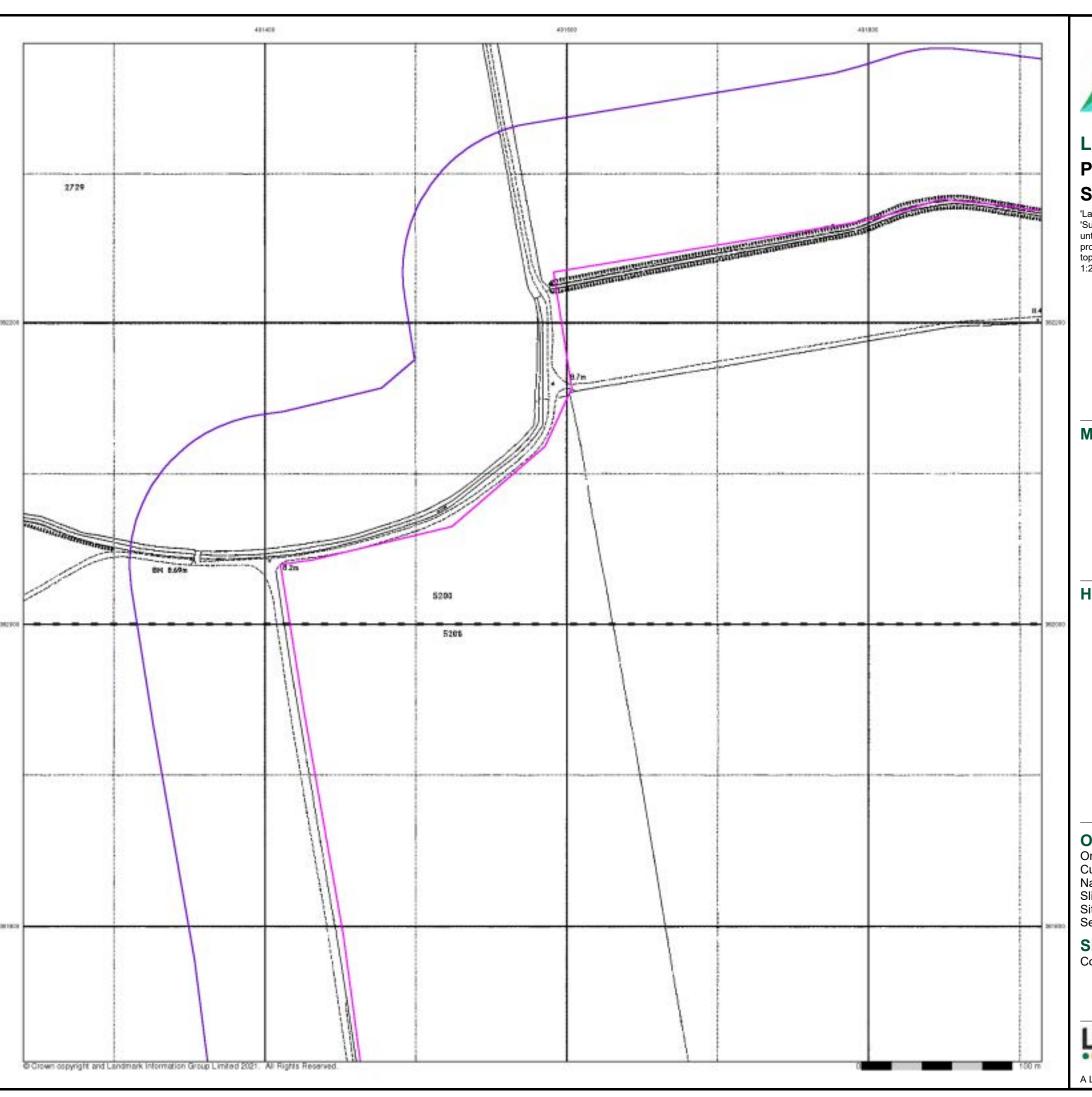
Site Area (Ha): Search Buffer (m): 884.45

**Site Details** 

Cottam 1

Landmark

0844 844 9952

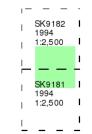




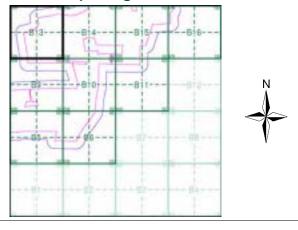
# **Large-Scale National Grid Data** Published 1994 Source map scale - 1:2,500

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

#### Map Name(s) and Date(s)



#### **Historical Map - Segment B13**



#### **Order Details**

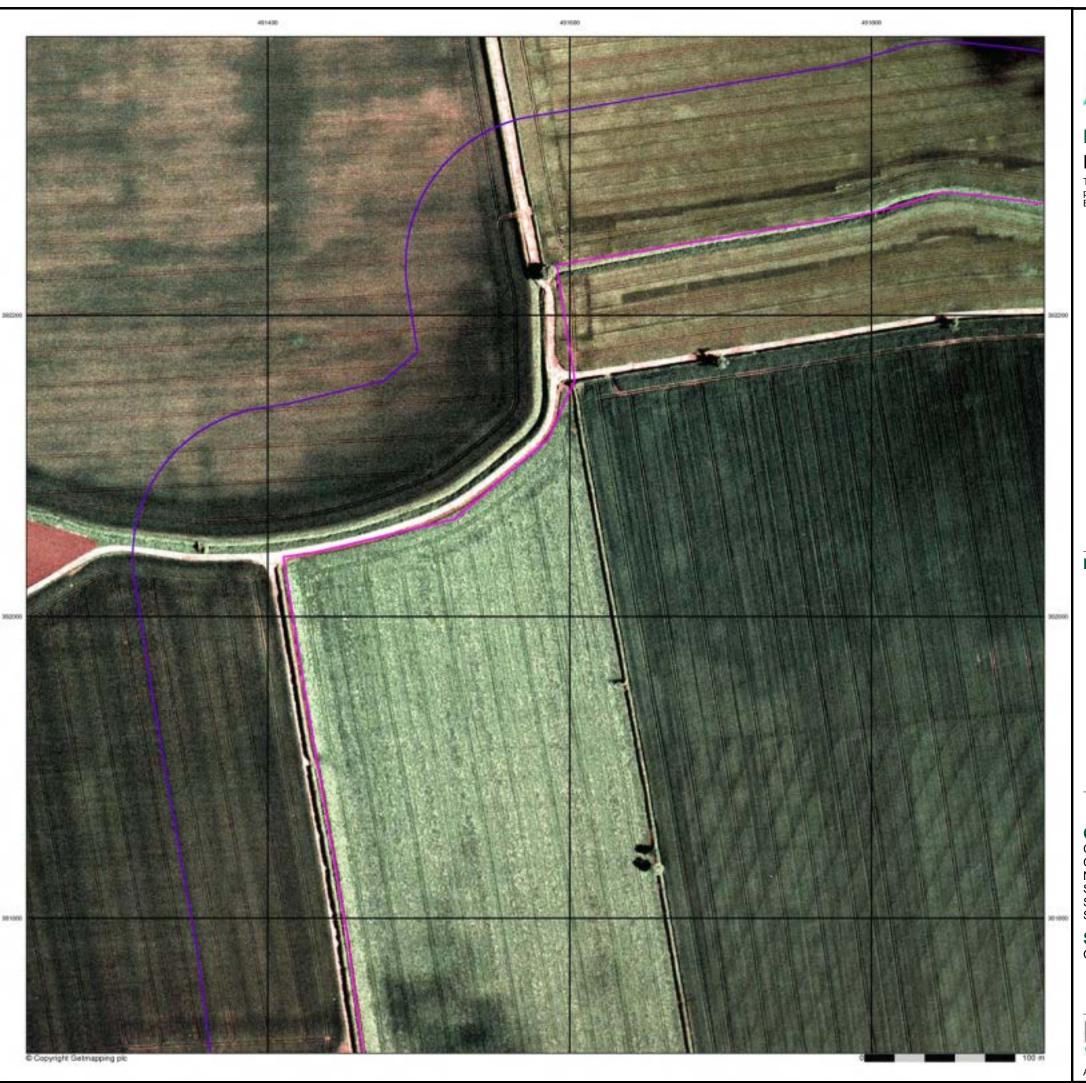
287330989\_1\_1 21-1088.02 Order Number: Customer Ref: National Grid Reference: 492150, 381560 Slice: 884.45

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

#### **Site Details**

Cottam 1



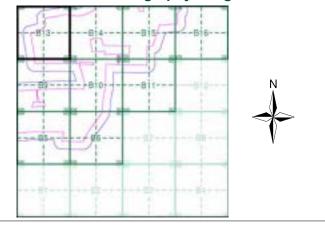




# **Historical Aerial Photography** Published 1999

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

#### **Historical Aerial Photography - Segment B13**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492150, 381560

Slice:

Site Area (Ha): Search Buffer (m): 884.45 100

**Site Details** 

Cottam 1

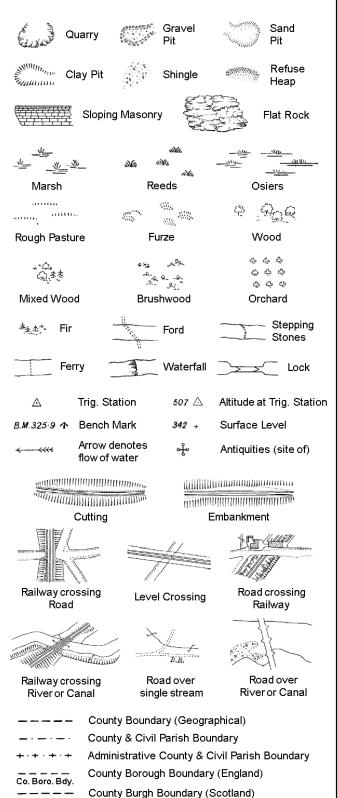
Landmark'

0844 844 9952 0844 844 9951

A Landmark Information Group Service v50.0 04-Nov-2021 Page 6 of 6

# **Historical Mapping Legends**

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



Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

Trough Well

S.P

Sl.

Tr:

Co. Burgh Bdy.

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

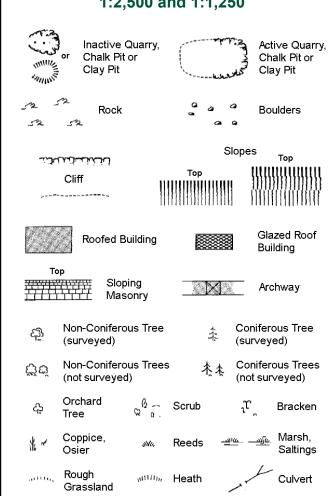
B.R.

E.P

F.B.

M.S

Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



Direction Bench Antiquity of water flow (site of) Electricity Cave Triangulation ÷

**Electricity Transmission Line** County Boundary (Geographical) County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary mereing changes

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

# 1:1,250

 ب <b>الا</b> لد	Clift Clitt		Slo Top	opes Top
3	Rock	1111111		Rock (scattered)
7 22	NOCK			Nook (Souttered)
$ \mathcal{Q}^{\nabla} $	Boulders		0	Boulders (scattered)
$\triangle$	Positioned	l Boulder		Scree
<u>ක</u>	Non-Conit	ferous Tree l)	*	Coniferous Tree (surveyed)
ඊ්ජ්	Non-Conit (not surve	ferous Trees yed)	杰杰	Coniferous Trees (not surveyed)
දා	Orchard Tree	Q a. S	crub	<sub>າ</sub> ຕຸ Bracken
* ~	Coppice, Osier	asta. Re	eeds 🛥	വരം <u>എ</u> ര് Marsh, Saltings
actio,	Rough Grassland	<sub>иши</sub> , Н	eath	Culvert
<del>*** &gt;</del>	Direction of water fl		riangulatior tation	Antiquity (site of)
ETL_	Electric	city Transmissi	on Line	Electricity Pylon
// BM	1 231.6ûm	Bench Mark		Buildings with Building Seed
	Roof	ed Building		Glazed Roof Building
• •		Civil parish/co	-	ooundary
		District bound	-	
	•	County bound	lary	
,	٥	Boundary pos	t/stone	
,	0			ool (note: these ed pairs or groups
Bks	Barracks		Р	Pillar, Pole or Post
Bty	Battery		PO	Post Office
Cemy	Cemetery		PC	Public Convenience
Chy	Chimney		Pp	Pump
Cis	Cistern		Ppg Sta	Pumping Station
Dismtd F	•	ntled Railway	PW	Place of Worship
El Gen S	Station		Sewage P	Pumping Station
EIP		Pole, Pillar	SB, S Br	Signal Box or Bridge
	ta Electricity	Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed		Spr	Spring

Fn / D Fn Fountain / Drinking Ftn.

Gas Governer

**Guide Post** 

Manhole

Gas Valve Compound

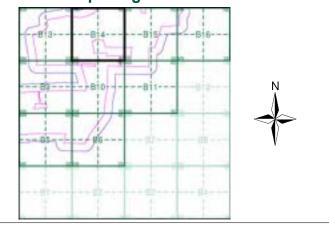
Mile Post or Mile Stone



#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1973 - 1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

#### **Historical Map - Segment B14**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 **Customer Ref:** National Grid Reference: 492150, 381560 Slice:

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

884.45 100

**Site Details** Cottam 1

Tank or Track

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Tr

Wd Pp

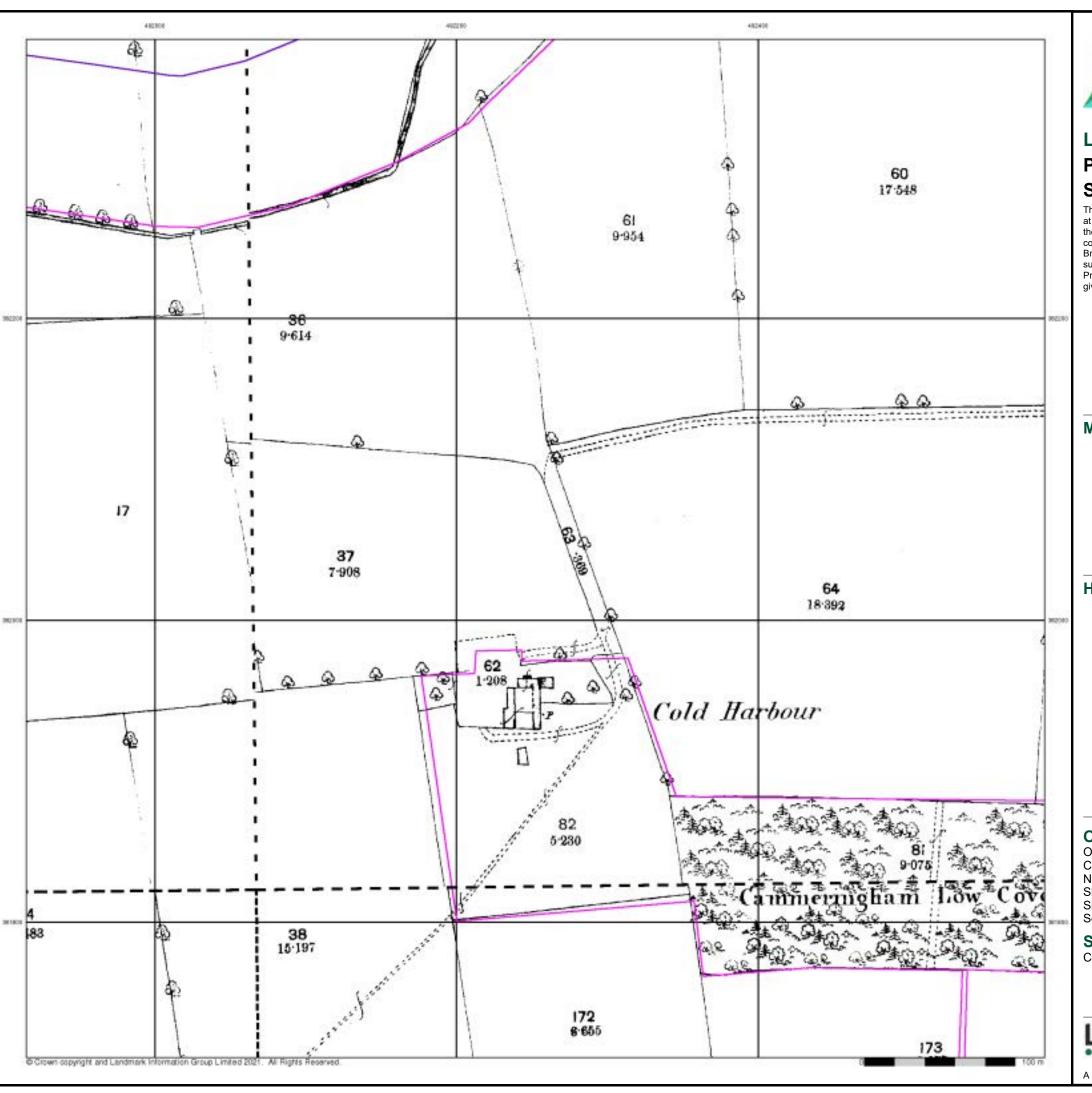
Wks

Landmark

0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021

Page 1 of 6

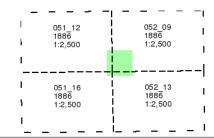




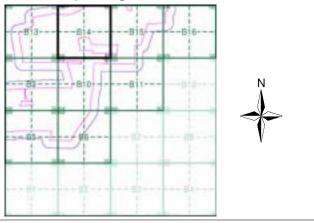
# **Published 1886** Source map scale - 1:2,500

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 B14**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 Customer Ref: National Grid Reference: 492150, 381560

Slice:

Site Area (Ha): Search Buffer (m): 884.45 100

### **Site Details**

Cottam 1



0844 844 9952

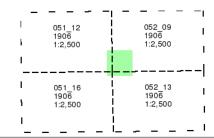




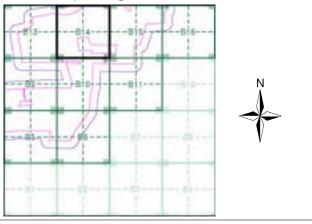
# Published 1906 Source map scale - 1:2,500

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 B14**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 Customer Ref: National Grid Reference: 492150, 381560 В

Slice:

Site Area (Ha): Search Buffer (m): 884.45 100

### **Site Details**

Cottam 1



0844 844 9952

Page 3 of 6





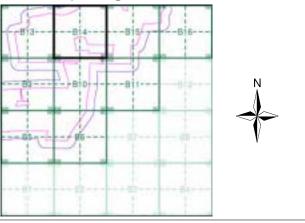
# **Ordnance Survey Plan** Published 1973 - 1974 Source map scale - 1:2,500

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 surveyes of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

#### Map Name(s) and Date(s)

	1	I
SK9182 1974	SK9282 1974	I
1:2,500	1:2,500	ı
		l
SK9181 1973	SK9281 1974	ı
1:2,500	1:2,500	I
1 <u> </u>	I	ı

#### **Historical Map - Segment B14**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 Customer Ref: National Grid Reference: 492150, 381560

Slice:

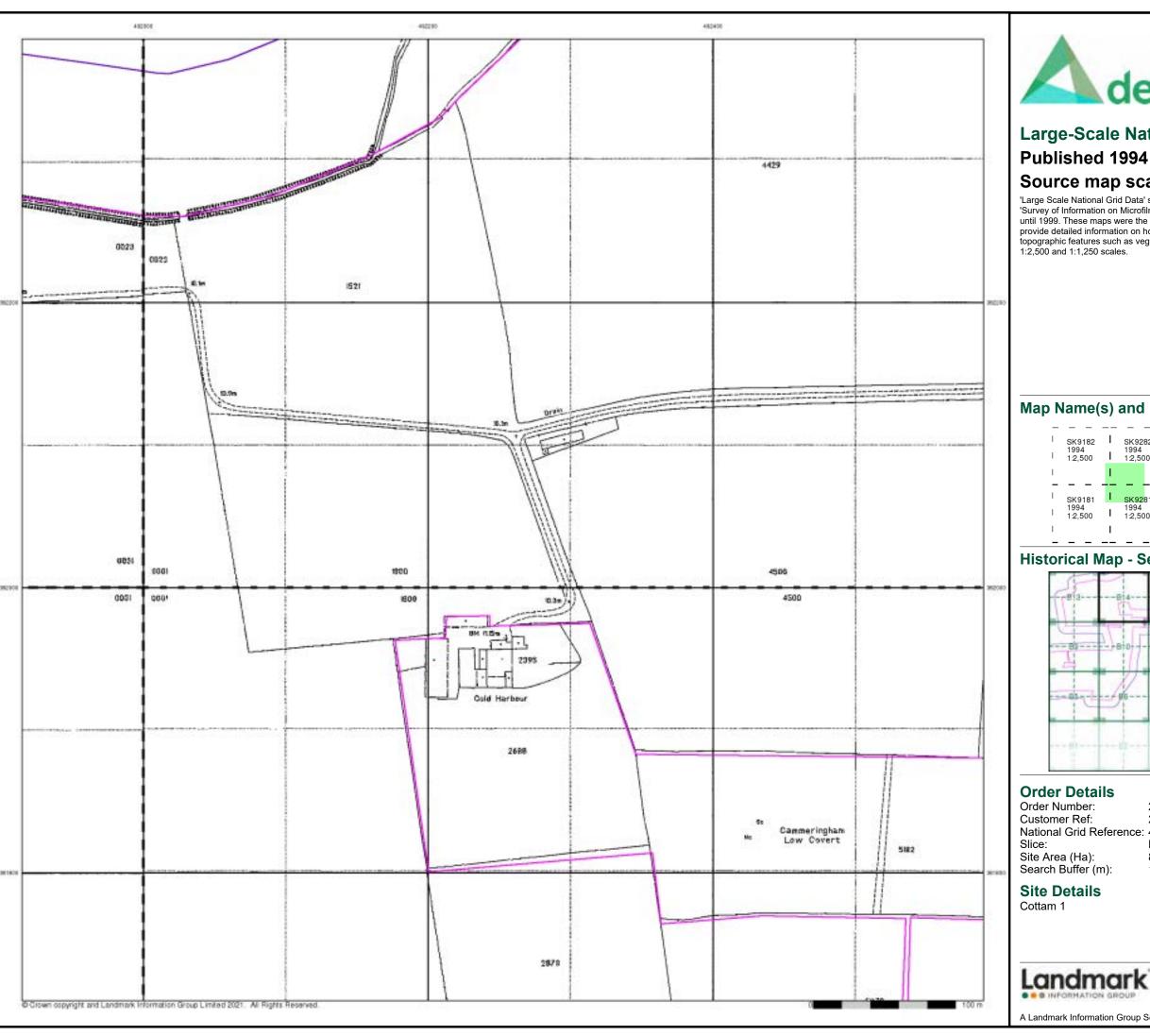
Site Area (Ha): Search Buffer (m): 884.45 100

### **Site Details**

Cottam 1



0844 844 9952





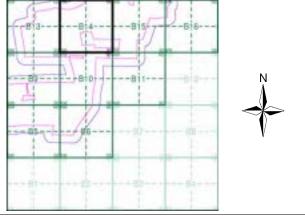
# **Large-Scale National Grid Data** Published 1994 Source map scale - 1:2,500

'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)

_				_
1	SK9182	- 1	SK9282	1
1	1994 1:2,500	- 1	1994 1:2,500	- 1
1		1		- 1
_				_
1	SK9181	1	SK9281	ı
1	1994 1:2.500	- 1	1994 1:2,500	1
	1.2,500		1.2,000	
1	1.2,500	1	1.2,500	ı

#### **Historical Map - Segment B14**



287330989\_1\_1 21-1088.02 National Grid Reference: 492150, 381560

884.45

0844 844 9952

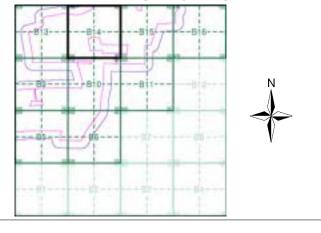




# **Historical Aerial Photography** Published 1999

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

#### **Historical Aerial Photography - Segment B14**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492150, 381560

Slice:

Site Area (Ha): Search Buffer (m): 884.45 100

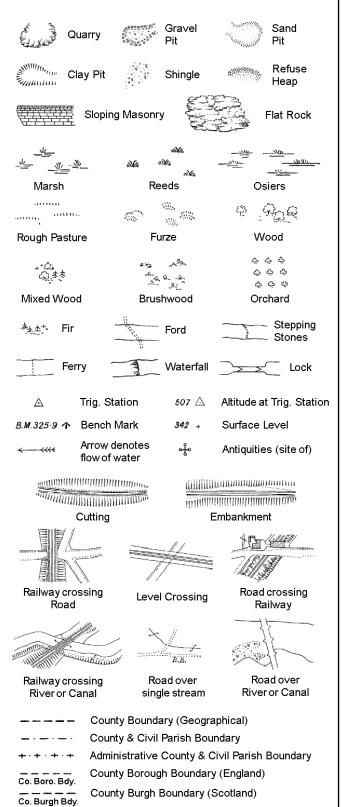
**Site Details** Cottam 1

Landmark

A Landmark Information Group Service v50.0 04-Nov-2021 Page 6 of 6

# **Historical Mapping Legends**

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



B.R.

E.P

F.B.

M.S

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Guide Post or Board

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

Trough

Well

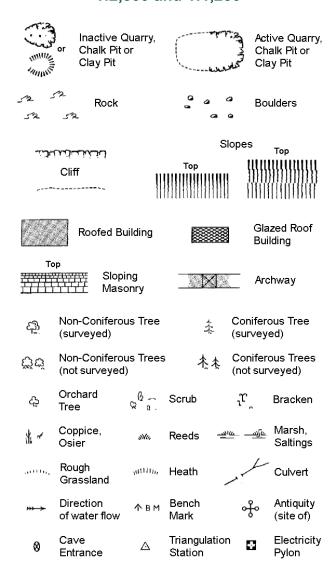
S.P

T.C.B

Sl.

Tr

#### Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250

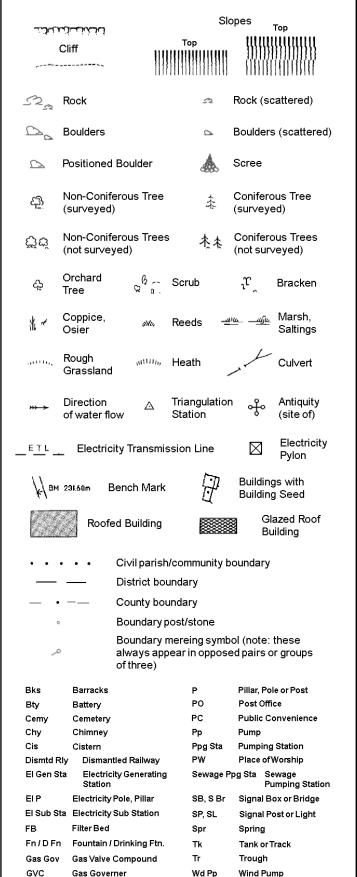


**Electricity Transmission Line** 

County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
London Borough Boundary
Symbol marking point where boundary mereing changes

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

# 1:1,250



Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Wks

**Guide Post** 

Mile Post or Mile Stone

Manhole

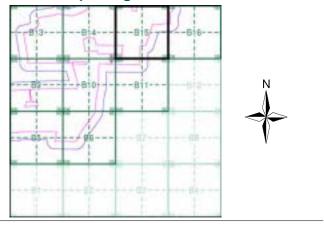
MP, MS



#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

### **Historical Map - Segment B15**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 **Customer Ref:** National Grid Reference: 492150, 381560 Slice: 884.45

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

**Site Details** Cottam 1

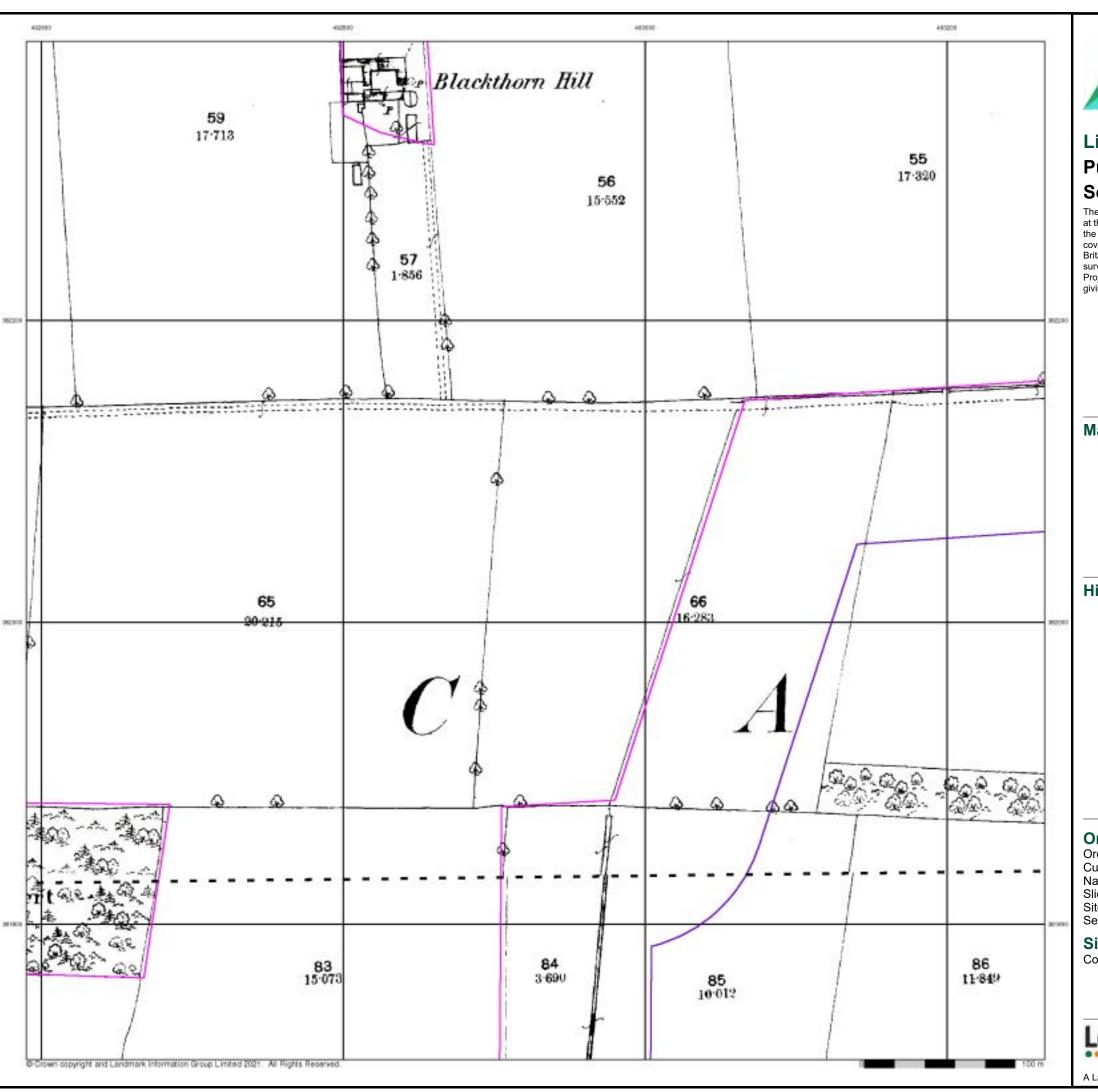


0844 844 9952

Page 1 of 6

A Landmark Information Group Service v50.0 04-Nov-2021

100

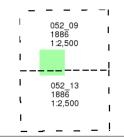




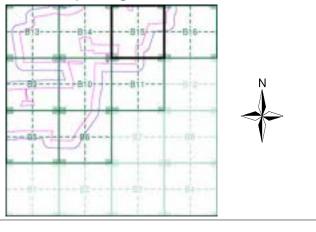
# **Published 1886** Source map scale - 1:2,500

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 surveyes 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 B15**



#### **Order Details**

Order Number: 287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 492150, 381560 Slice: В

Site Area (Ha): Search Buffer (m): 884.45 100

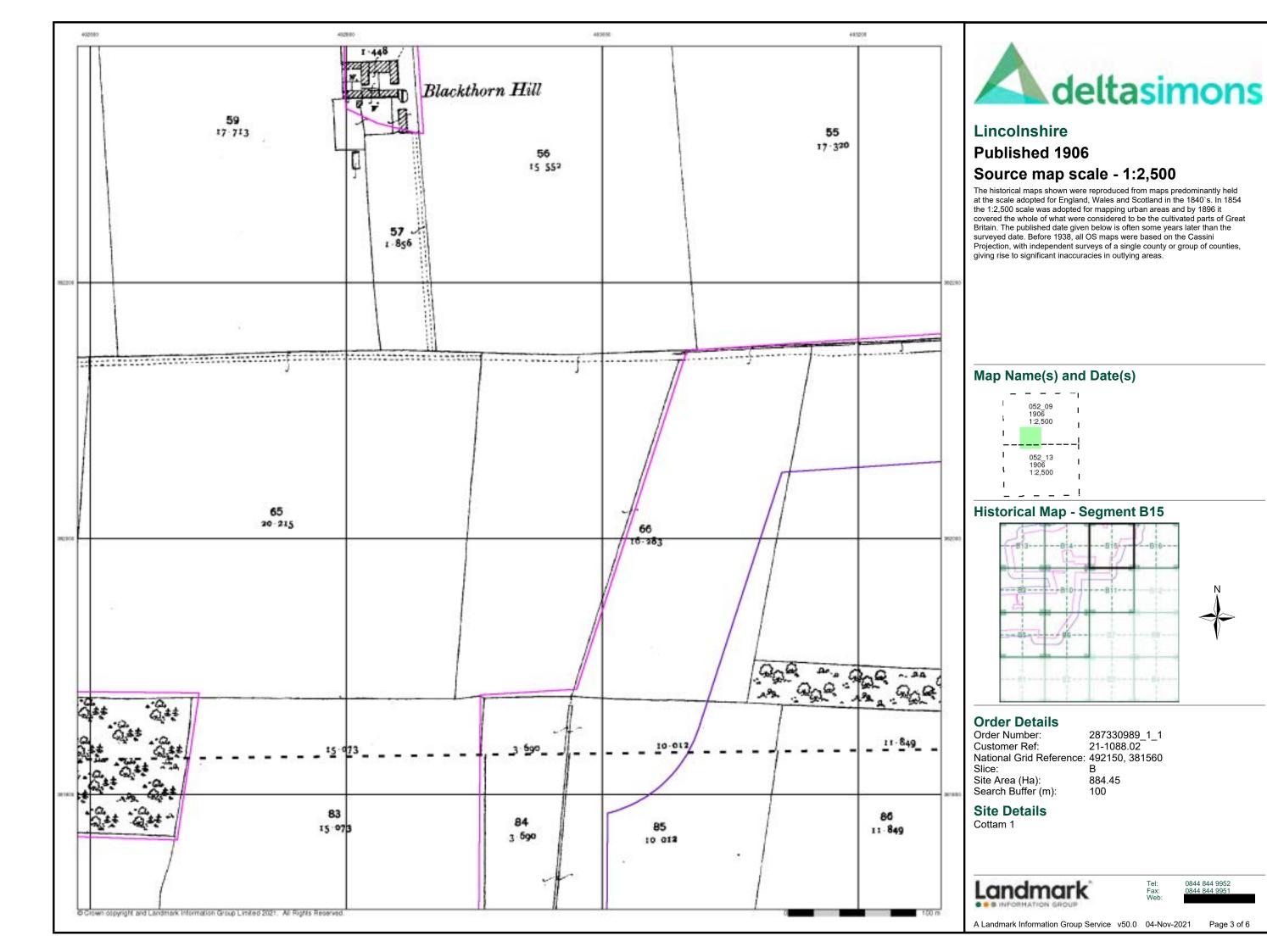
### **Site Details**

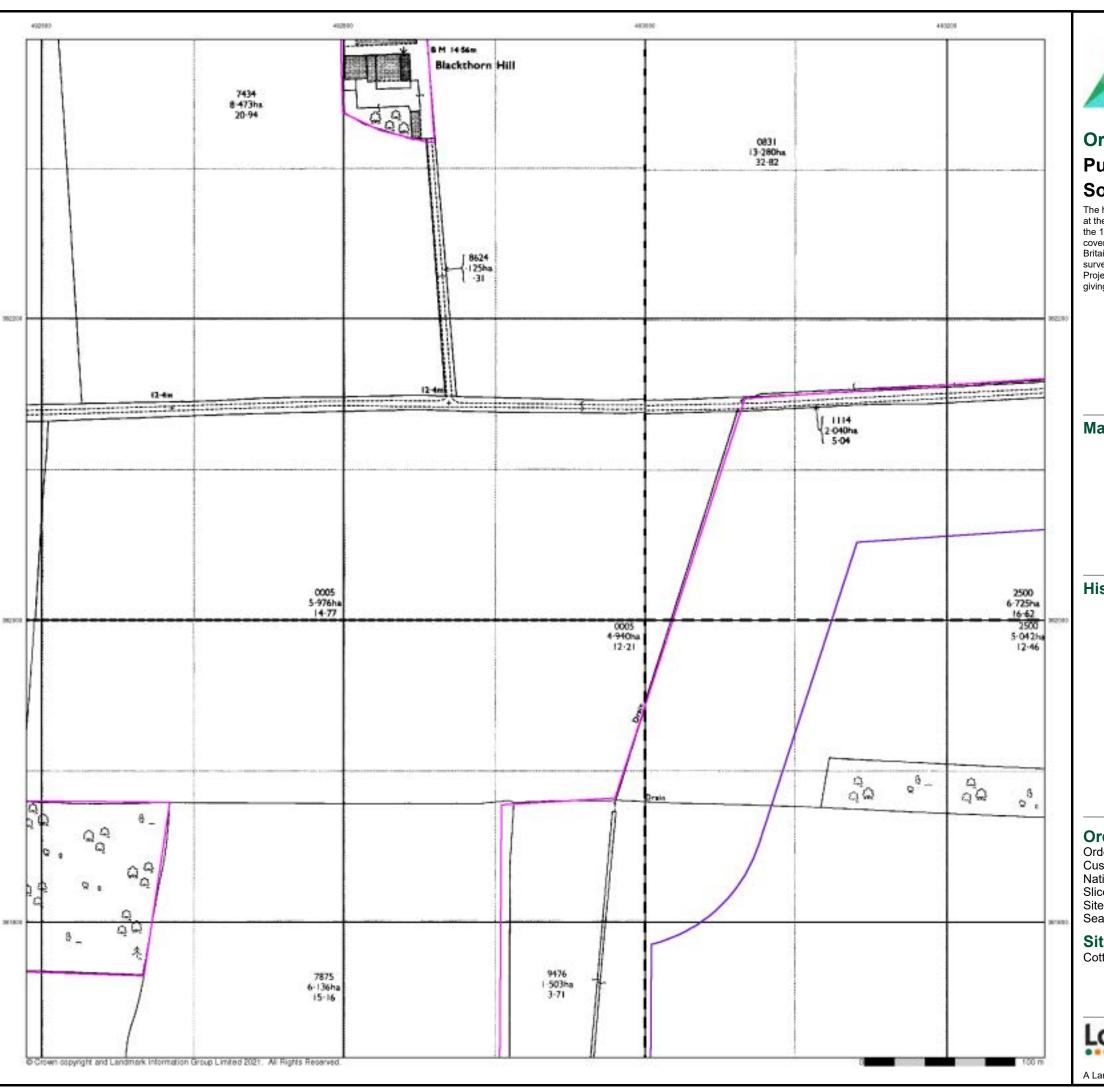
Cottam 1



0844 844 9952

Page 2 of 6







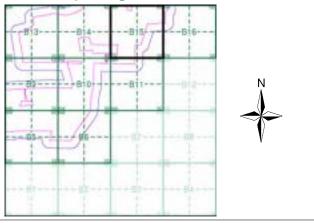
# **Ordnance Survey Plan** Published 1974 Source map scale - 1:2,500

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)

- 1		_	_	_	_ ı
1	SK92 1974		1	SK938 1974	_
1	1:2,50	00 <b>I</b>	1	:2,50	<sup>0</sup> I
		-	_	_	-
1	SK92 1974		1	SK938 1974	
1	1:2,50	<sup>00</sup> I	1	:2,50	<sup>0</sup> I
1		_	_	_	_ '

#### **Historical Map - Segment B15**



#### **Order Details**

Order Number: 287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 492150, 381560 Slice: В

Site Area (Ha): Search Buffer (m): 884.45 100

### **Site Details**

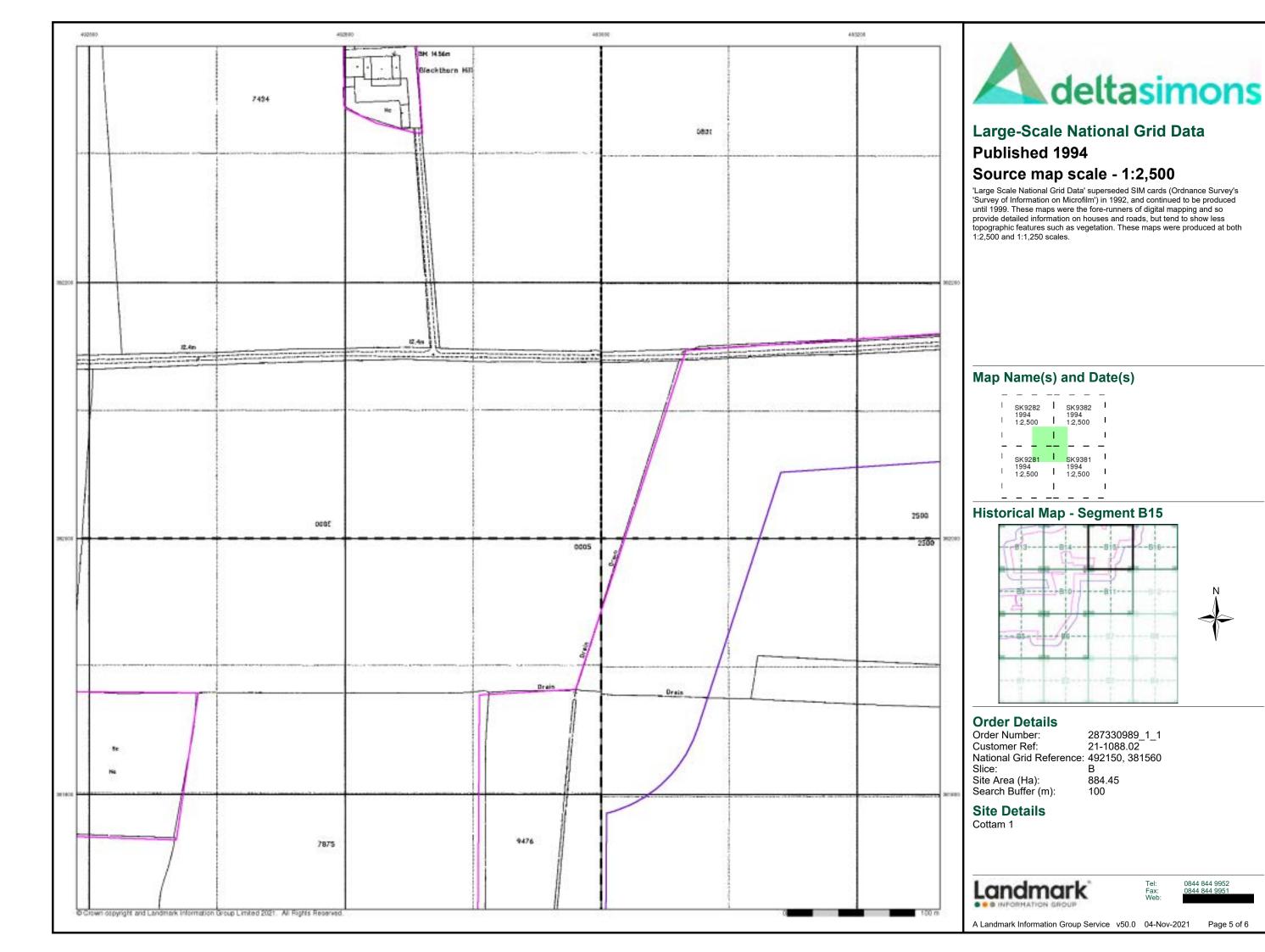
Cottam 1



0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021

Page 4 of 6



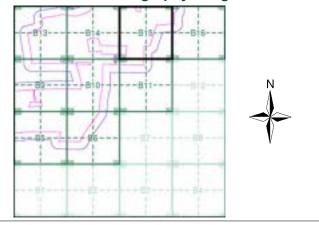




# **Historical Aerial Photography** Published 1999

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

#### **Historical Aerial Photography - Segment B15**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492150, 381560

Slice:

Site Area (Ha): Search Buffer (m): 884.45

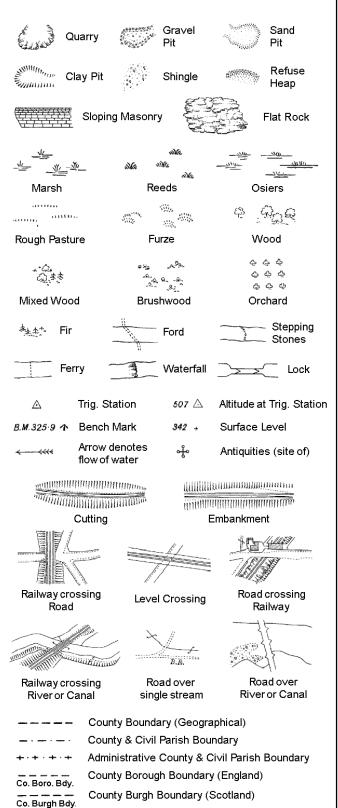
**Site Details** 

Cottam 1

Landmark

# **Historical Mapping Legends**

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



B.R.

E.P

F.B.

M.S

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

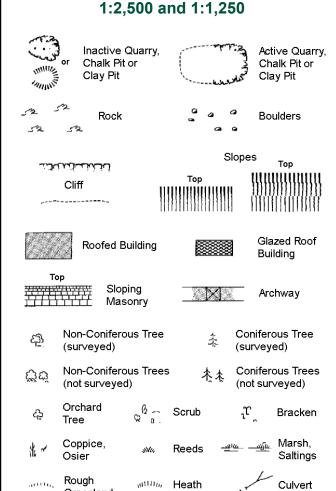
Trough Well

S.P

Sl.

Tr:

Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



Grassland Direction Bench Antiquity of water flow (site of) Electricity Cave Triangulation ÷

**Electricity Transmission Line** County Boundary (Geographical) County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary mereing changes

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

# 1:1,250

		Slo	opes Top
Clitt ئەندىنىدىنىدىن	7	Гор	utaniiman
CIIII			11)
	[]]]]	1411111111111	[11[]]][]][]]
Sock Rock		7,5	Rock (scattered)
△ Boulders		<u>a</u>	Boulders (scattered)
○ Positioned	Boulder		Scree
Non-Conif (surveyed	erous Tree )	丰	Coniferous Tree (surveyed)
ಧ್ಞಧ Non-Conif (not surve	erous Trees yed)	杰杰	Coniferous Trees (not surveyed)
ඌ Orchard Tree	Q <sup>β</sup> α. Sc	rub	<sub>າ</sub> ຕຸ Bracken
Coppice, Osier	ava, Re	eds 🛥	<u>அம்</u> Marsh, Saltings
Rough Grassland	<sub>antith</sub> , He	ath	Culvert
Direction of water flo		angulatior ation	Antiquity (site of)
E_TL Electric	ity Transmissio	n Line	Electricity Pylon
<b> </b>	Bench Mark		Buildings with Building Seed
Roofe	ed Building		Glazed Roof Building
	Oir ill maniah (a.a.		
<u> </u>	Civil parish/co	-	ocumary
	County bounda	-	
<b>Q</b>	Boundary post		
٥	Boundary mer	eing symb	ool (note: these ed pairs or groups
Bks Barracks		Р	Pillar, Pole or Post
Bty Battery		PO	Post Office
Cemy Cemetery		PC	Public Convenience
Chy Chimney		Pp Do a Sto	Pump Bumping Station
Cis Cistern  Dismtd Rly Disman	tled Railway	Ppg Sta PW	Pumping Station Place of Worship
El Gen Sta Electric	ity Generating	Sewage P	pg Sta Sewage
Station EIP Electricity	Pole, Pillar	SB, S Br	Pumping Station Signal Box or Bridge
El Sub Sta Electricity		SP, SL	Signal Post or Light
FB Filter Bed		Spr	Spring

Fn / D Fn Fountain / Drinking Ftn.

Gas Governer

**Guide Post** 

Manhole

GVC

Gas Valve Compound

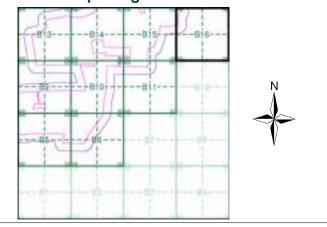
Mile Post or Mile Stone



#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

#### **Historical Map - Segment B16**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 **Customer Ref:** National Grid Reference: 492150, 381560 Slice: 884.45

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

**Site Details** 

Cottam 1

Tank or Track

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Tr

Wd Pp

Wks

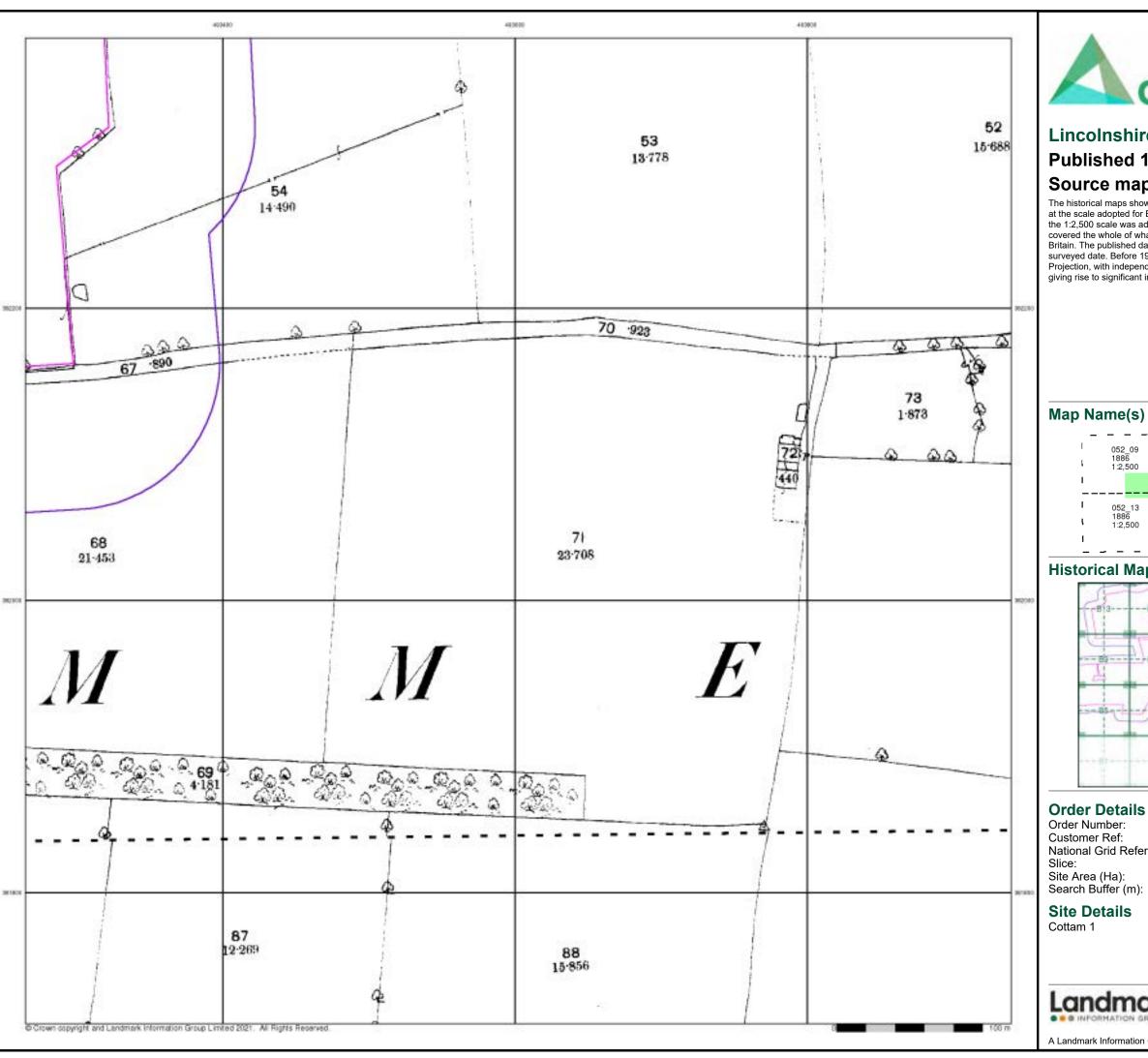
Landmark

0844 844 9952

Page 1 of 6

A Landmark Information Group Service v50.0 04-Nov-2021

100

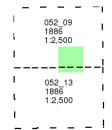




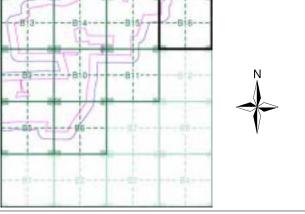
# **Published 1886** Source map scale - 1:2,500

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 B16**



287330989\_1\_1 21-1088.02 National Grid Reference: 492150, 381560 В

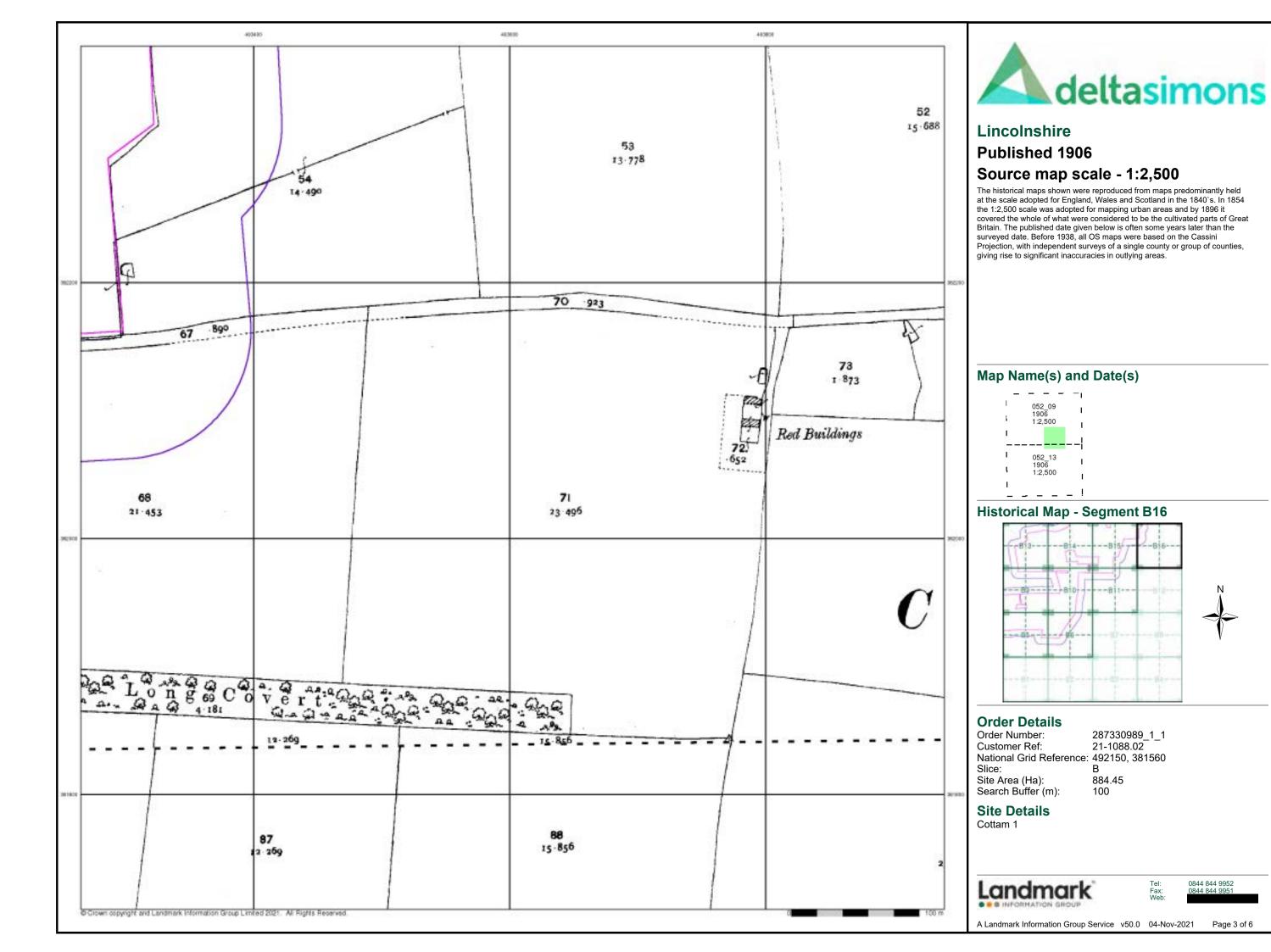
884.45 100

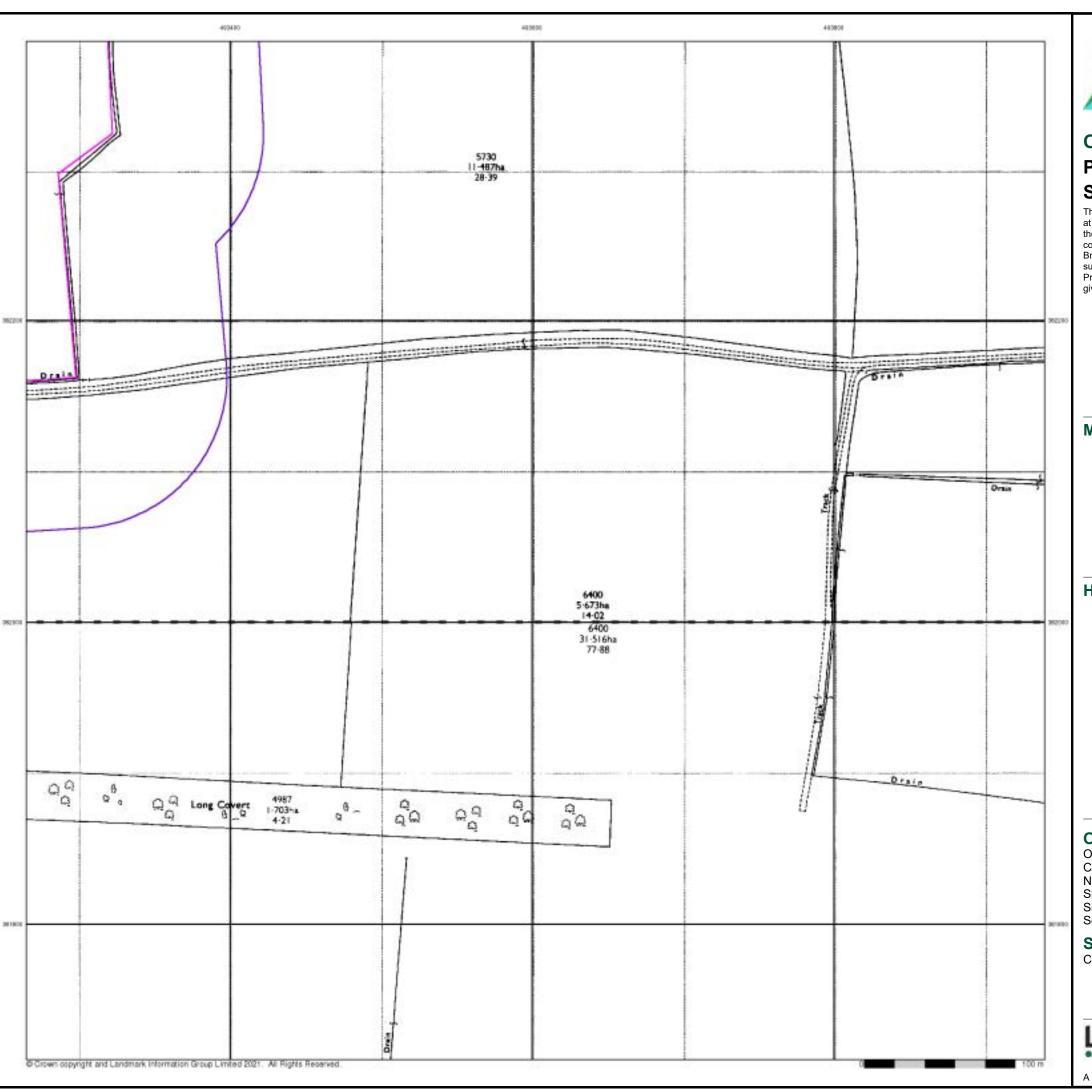


0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021

Page 2 of 6



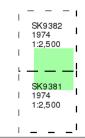




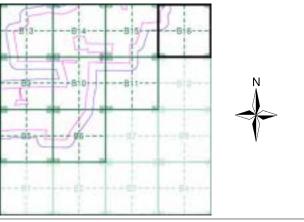
# **Ordnance Survey Plan** Published 1974 Source map scale - 1:2,500

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 B16**



#### **Order Details**

Order Number: 287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 492150, 381560 Slice:

Site Area (Ha): Search Buffer (m): 884.45

### **Site Details**

Cottam 1



0844 844 9952

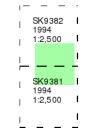




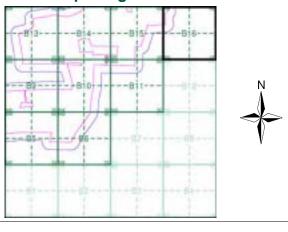
# **Large-Scale National Grid Data** Published 1994 Source map scale - 1:2,500

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

#### Map Name(s) and Date(s)



#### **Historical Map - Segment B16**



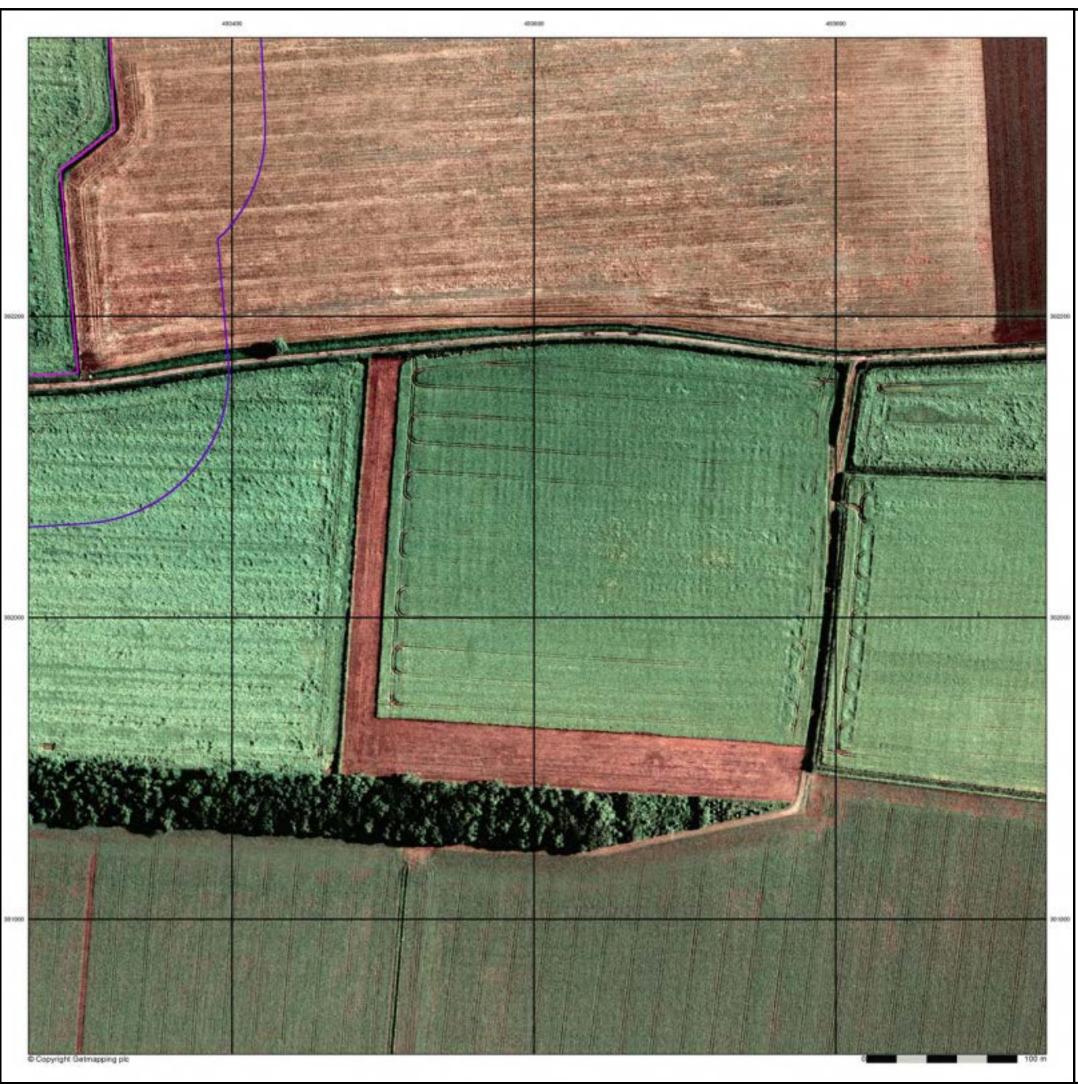
#### **Order Details**

287330989\_1\_1 21-1088.02 Order Number: Customer Ref: National Grid Reference: 492150, 381560 Slice: 884.45

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

**Site Details** 

Landmark

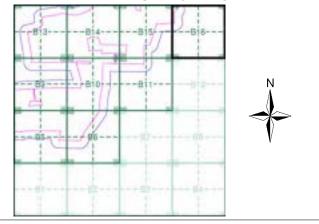




# **Historical Aerial Photography** Published 1999

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

#### **Historical Aerial Photography - Segment B16**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492150, 381560

Slice:

Site Area (Ha): Search Buffer (m): 884.45 100

**Site Details** 

Cottam 1

Landmark

A Landmark Information Group Service v50.0 04-Nov-2021 Page 6 of 6

# **Historical Mapping Legends**

#### **Ordnance Survey County Series 1:10,560** Gravel Pit Other Orchard Mixed Wood Deciduous Brushwood Furze Rough Pasture Arrow denotes Trigonometrical flow of water Station Site of Antiquities Bench Mark Pump, Guide Post, Well, Spring, Signal Post **Boundary Post** · 285 Surface Level Sketched Instrumental Contour Contour Fenced Main Roads Minor Roads Un-Fenced Raised Road Sunken Road Railway over Road over Railway Ri∨er Railway over Level Crossing Road Road over Road over Road over County Boundary (Geographical) County & Civil Parish Boundary Administrative County & Civil Parish Boundary County Borough Boundary (England) Co. Boro. Bdy. County Burgh Boundary (Scotland) Rural District Boundary R.D. Bdy.

····· Civil Parish Boundary

#### Ordnance Survey Plan 1:10,000

وسرسم	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		、 Disused Pit ✓ or Quarry
1.00.00	Refuse or Slag Heap	<b>((()</b>	Lake, Loch or Pond
	Dunes		Boulders
<b>* *</b> :	Coniferous Trees	$\triangle_{\alpha}$	Non-Coniferous Trees
ቀ 4	Orchard Ωn_	Scrub	∖Yn/ Coppice
์ กั	Bracken SMIIII	Heath '	、 , , , , Rough Grassland
<u> </u>	- Marsh 、、、Y///	Reeds	<u> 그</u> 소스 Saltings
	Direc	tion of Flow of	Water
	Building	1/	Shingle
		*//~	
	Glasshouse		Sand
200	Glassilouse	5.	
		Pylon	Electricity
WWW	Sloping Masonry		Transmission
	Cloping Mason y	Pole	Line
		• -	_
Cutting	Embankm	ent 	Standard Gauge
•	************		
	<u>U</u>		⊨ Standard Gauge
Road ' Under	''∏''' Road // Leve Over Cross	el \\ Foot sing Bridge	Single Track
			Siding, Tramway or Mineral Line
			→ Narrow Gauge
			· Nanow Cauge
	Geographical Co	unty	
	— Administrative Conformation Country of City		3orough
	Municipal Boroug Burgh or District		ural District,
	Borough, Burgh Shown only when no		
	Civil Parish Shown alternately w	/hen coincidence	of boundaries occurs
BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church		Post Office
CH F E Sta	Club House		Public Convenience Public House
FE Sta FB	Fire Engine Station Foot Bridge		Signal Box
Fn	Fountain		Spring
GP	Guide Post		Telephone Call Box
MD	Mile Post	TCD	Tolonhono Call Boot

Mile Post

TCP

Telephone Call Post

#### 1:10,000 Raster Mapping

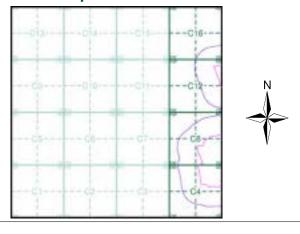
	Gravel Pit	OF THE	Refuse tip or slag heap
7.7.7	Rock		Rock (scattered)
	Boulders	·.· · ,	Boulders (scattered)
2000	Shingle	Wed	Mud
Sand	Sand	(THE)	Sand Pit
Ittimi*	Slopes	17777777777777777777777777777777777777	Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
S <del></del>	Multi-track railway	-	Single track railway
	County boundary (England only)		Civil, parish or community boundary
<u> 100 ja 1</u>	District, Unitary, Metropolitan, London Borough boundary		Constituency boundary
¢\$ م	Area of wooded vegetation	00 00	Non-coniferous trees
٥	Non-coniferous trees (scattered)	** **	Coniferous trees
‡ ±	Coniferous trees (scattered)	ଜ	Positioned tree
ф ф ф ф	Orchard	4 8	Coppice or Osiers
ort.	Rough Grassland	_Who	Heath
One One	Scrub	26.	Marsh, Salt Marsh or Reeds
Co	Water feature	-	Flow arrows
MHW(S)	Mean high water (springs)	MLW(S).	Mean low water (springs)
	Telephone line (where shown)		Electricity transmission line (with poles)
+ BM 123.45 m	Bench mark (where shown)	Δ	Triangulation station
- 65	Point feature (e.g. Guide Post or Mile Stone)	⊠	Pylon, flare stack or lighting tower
-1-	Site of (antiquity)		Glasshouse
	General Building		Important Building



#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:10,560	1885	2
Nottinghamshire	1:10,560	1900	3
Lincolnshire	1:10,560	1906 - 1907	4
Lincolnshire	1:10,560	1907	5
Lincolnshire	1:10,560	1921 - 1922	6
Lincolnshire	1:10,560	1921 - 1922	7
Lincolnshire	1:10,560	1947	8
Ordnance Survey Plan	1:10,000	1956	9
Ordnance Survey Plan	1:10,000	1970	10
Ordnance Survey Plan	1:10,000	1980 - 1981	11
10K Raster Mapping	1:10,000	2000	12
10K Raster Mapping	1:10,000	2006	13
VectorMap Local	1:10,000	2021	14

#### **Historical Map - Slice C**



#### **Order Details**

Order Number: 287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 488320, 383410

Slice:

Site Area (Ha): 884.45 Search Buffer (m): 250

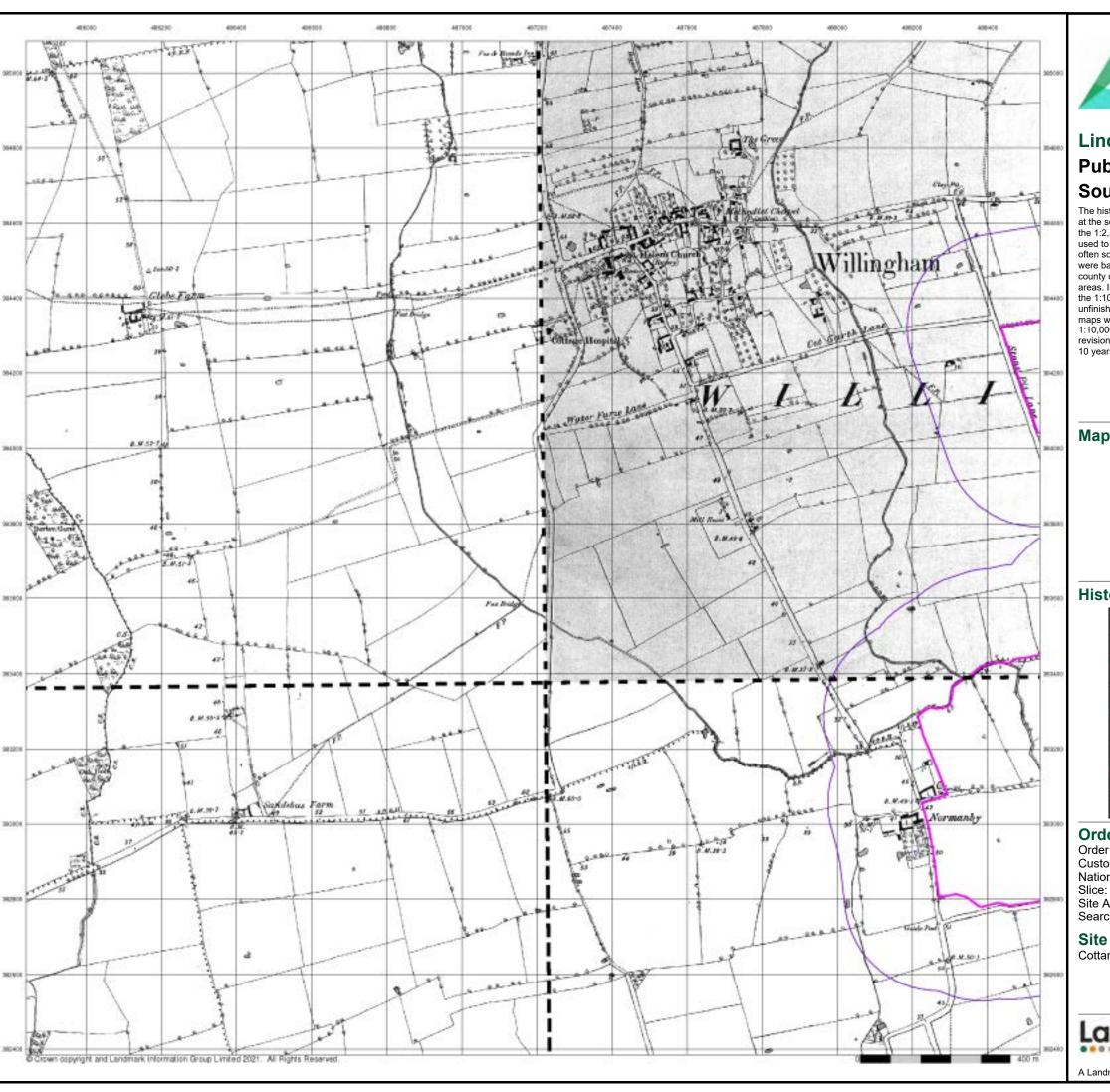
**Site Details** 

Cottam 1



0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021 Page 1 of 14





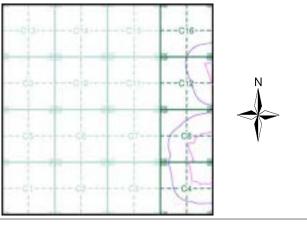
# Published 1885 Source map scale - 1:10,560

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)

I	051NW 1885	051NE 1 1885
i	1:10,560	1:10,560
- 1		
	·	
I	051SW	051SE
1	051SW 1885 1:10,560	051SE 1885 1:10,560

#### **Historical Map - Slice C**



#### **Order Details**

Order Number: 287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 488320, 383410

Site Area (Ha): Search Buffer (m): 884.45 250

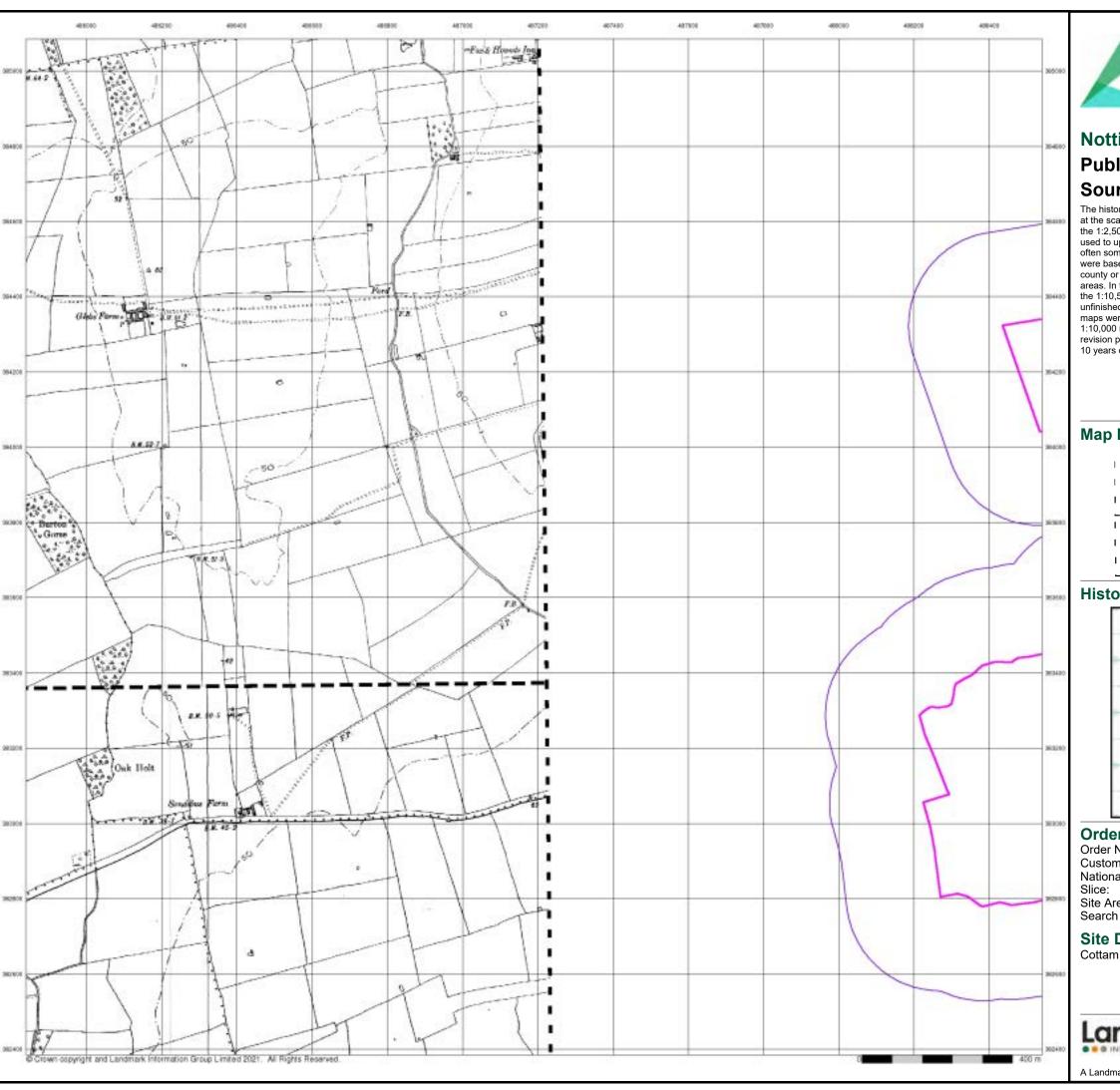
### **Site Details**

Cottam 1



0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021 Page 2 of 14

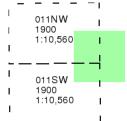




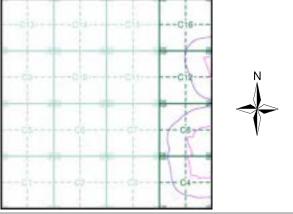
# **Nottinghamshire** Published 1900 Source map scale - 1:10,560

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 C**



#### **Order Details**

Order Number: 287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 488320, 383410

Site Area (Ha): Search Buffer (m): 884.45

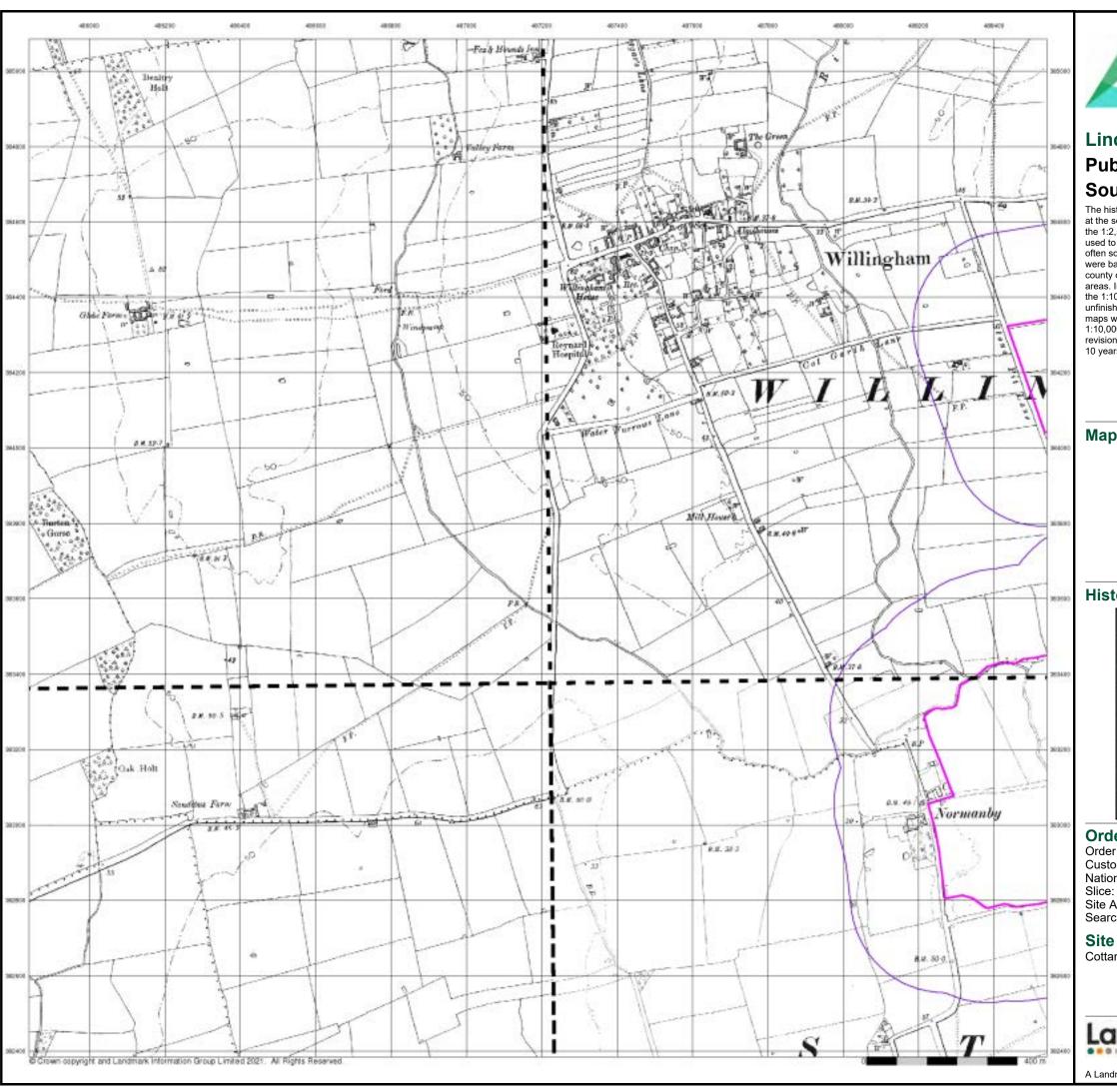
### **Site Details**

Cottam 1



0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021 Page 3 of 14





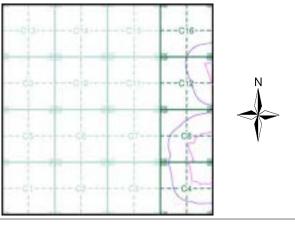
# Published 1906 - 1907 Source map scale - 1:10,560

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)

_			_	_	- 1
1	051NW 1907	ļ	! !	051NE 1907	- 1
ı	1:10,560	,		1:10,560	1
1					
I	051SW		ļ	051SE	
1	1906		i	1907	
	1:10,560		I	1:10,560	- 1
1			!		

#### **Historical Map - Slice C**



#### **Order Details**

Order Number: 287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 488320, 383410

Site Area (Ha): Search Buffer (m): 884.45 250

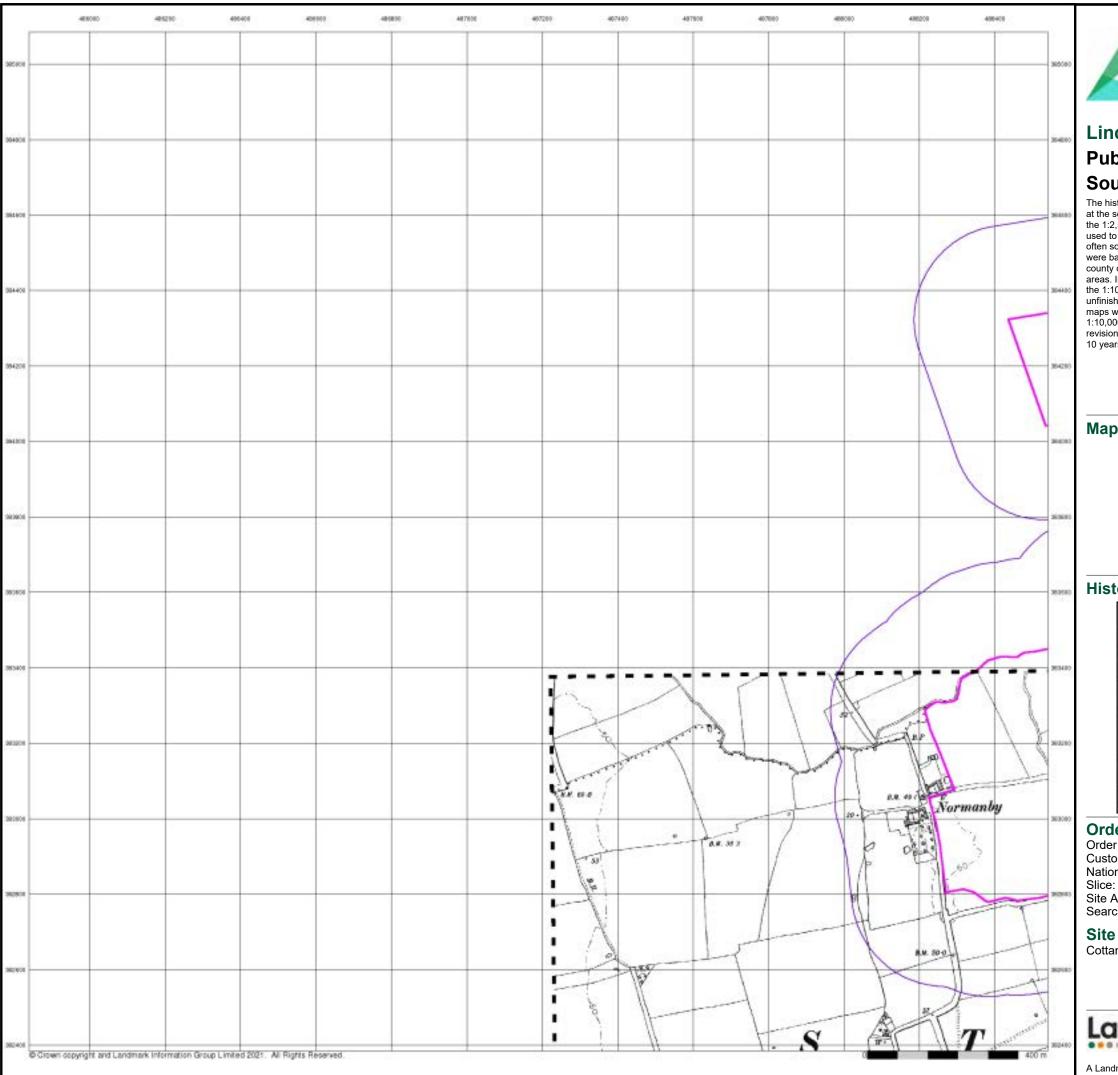
### **Site Details**

Cottam 1



0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021 Page 4 of 14



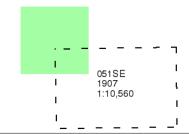


# Published 1907

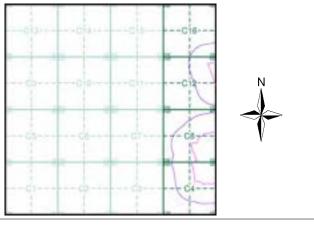
## Source map scale - 1:10,560

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 C**



#### **Order Details**

Order Number: 287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 488320, 383410 С

Site Area (Ha): Search Buffer (m): 884.45 250

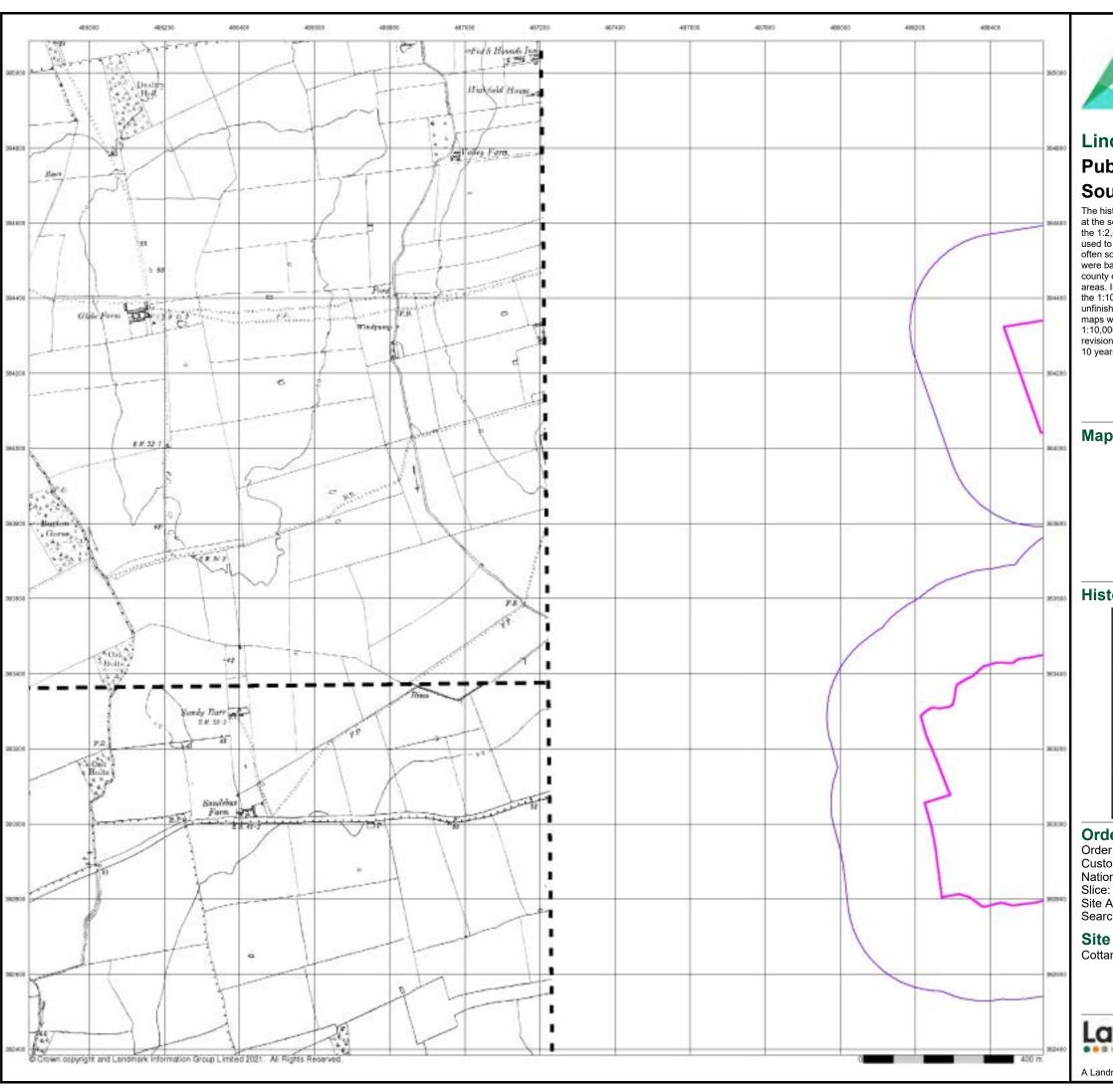
### **Site Details**

Cottam 1



0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021 Page 5 of 14

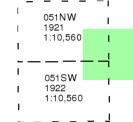




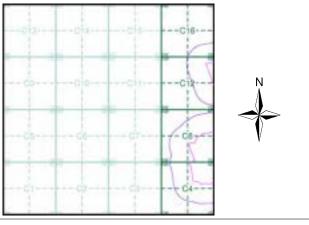
# **Published 1921 - 1922** Source map scale - 1:10,560

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 C**



#### **Order Details**

Order Number: 287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 488320, 383410

С Site Area (Ha): Search Buffer (m): 884.45 250

### **Site Details**

Cottam 1



0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021 Page 6 of 14

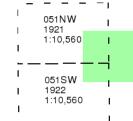




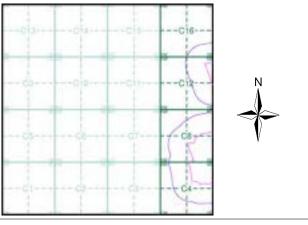
## **Published 1921 - 1922** Source map scale - 1:10,560

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 C**



#### **Order Details**

Order Number: 287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 488320, 383410

С Site Area (Ha): Search Buffer (m): 884.45 250

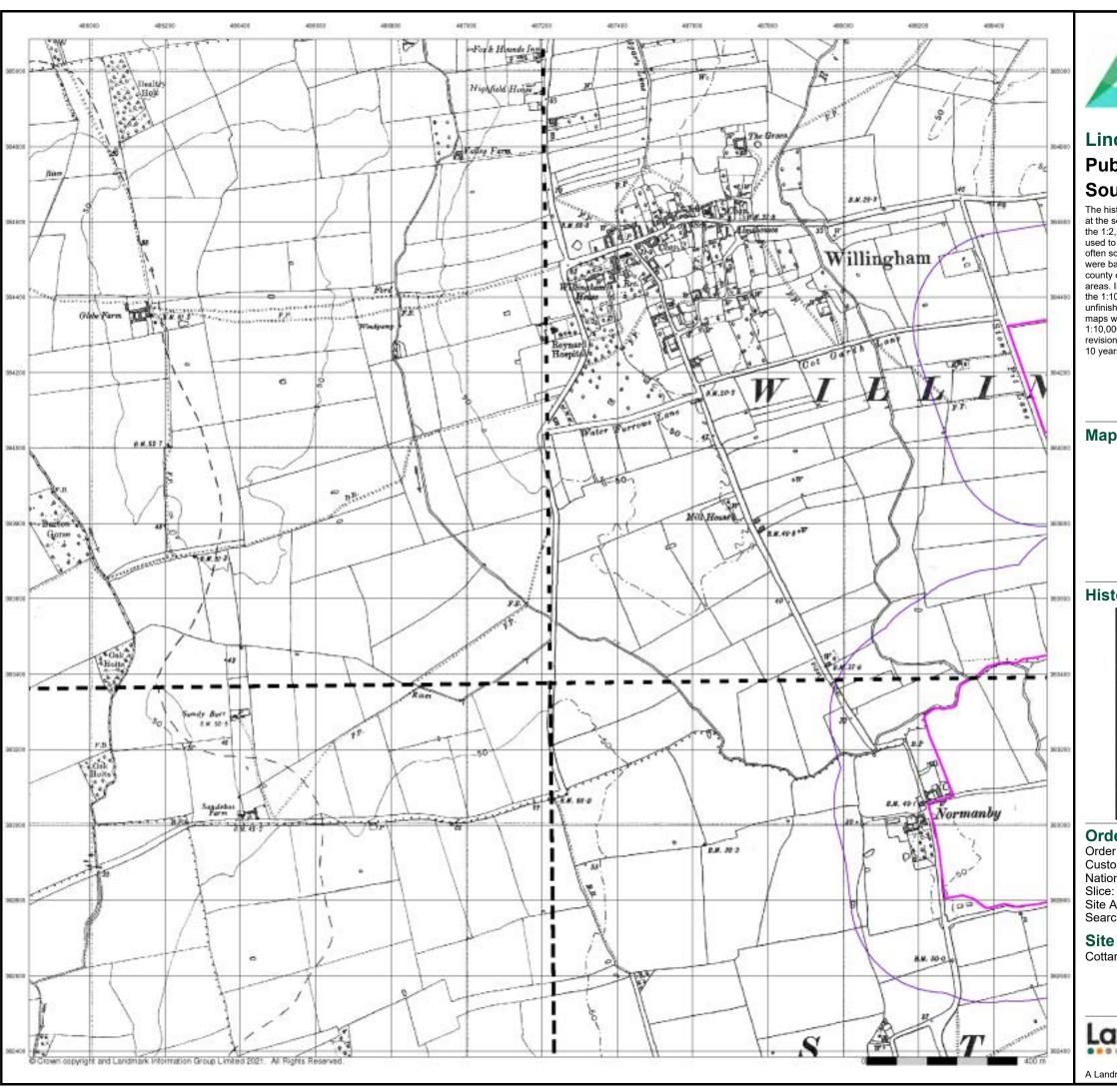
### **Site Details**

Cottam 1



0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021 Page 7 of 14





### Lincolnshire **Published 1947**

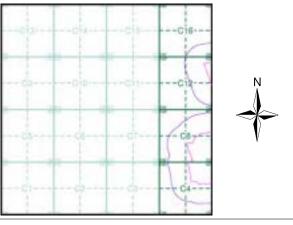
# Source map scale - 1:10,560

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)

I	051NW 1947 _	-	051NE 1947	1
i	1:10,560	1	1:10,560	- 1
- 1		- 1		
ı	051SW		051SE	I
I 1	051SW 1947 1:10,560		051SE 1947 1:10,560	    

#### **Historical Map - Slice C**



#### **Order Details**

Order Number: 287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 488320, 383410

Site Area (Ha): Search Buffer (m): 884.45 250

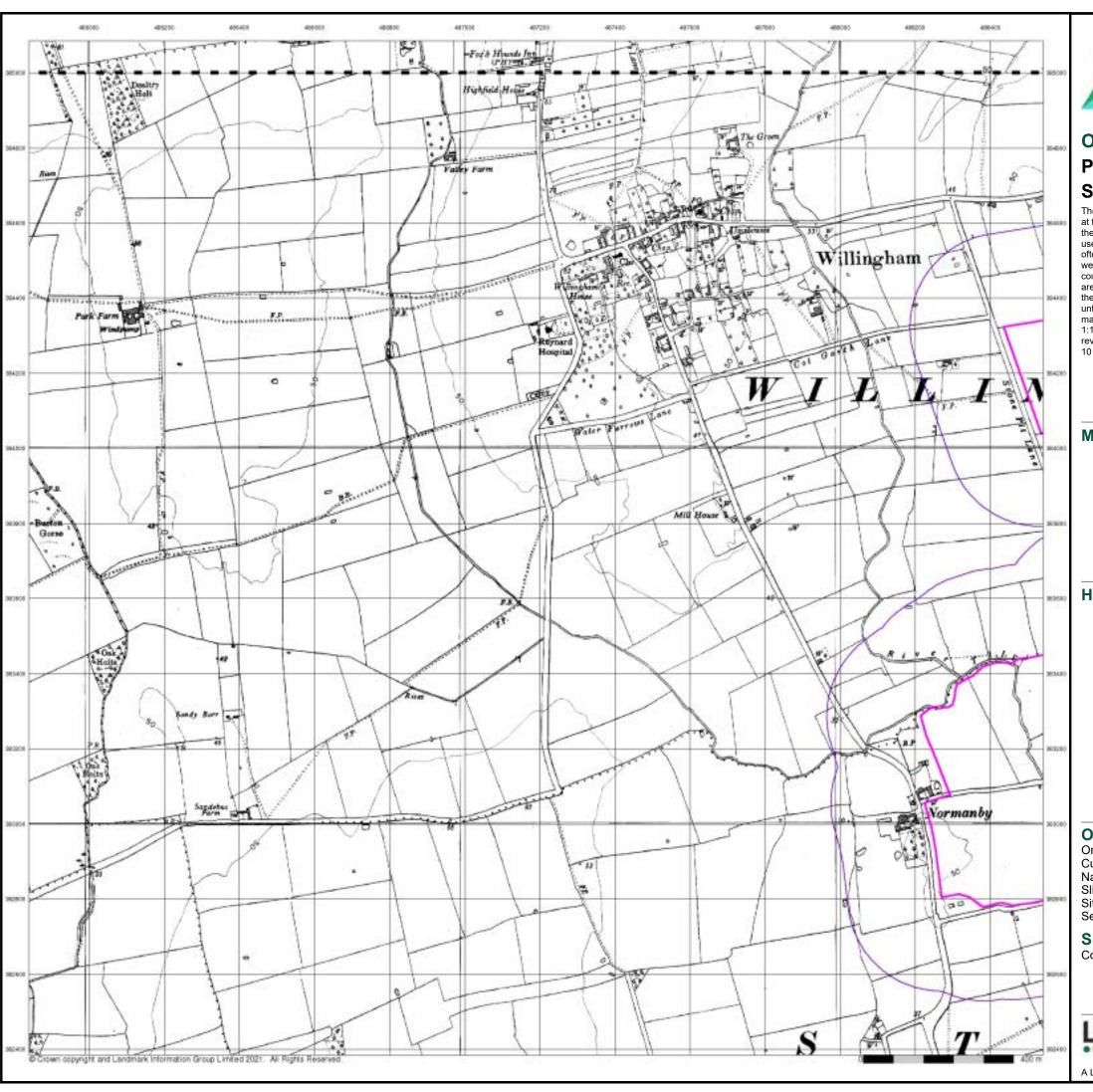
### **Site Details**

Cottam 1



0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021 Page 8 of 14





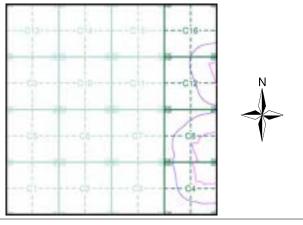
# **Ordnance Survey Plan** Published 1956 Source map scale - 1:10,000

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 C**



#### **Order Details**

Order Number: 287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 488320, 383410 Slice:

Site Area (Ha): Search Buffer (m): 884.45

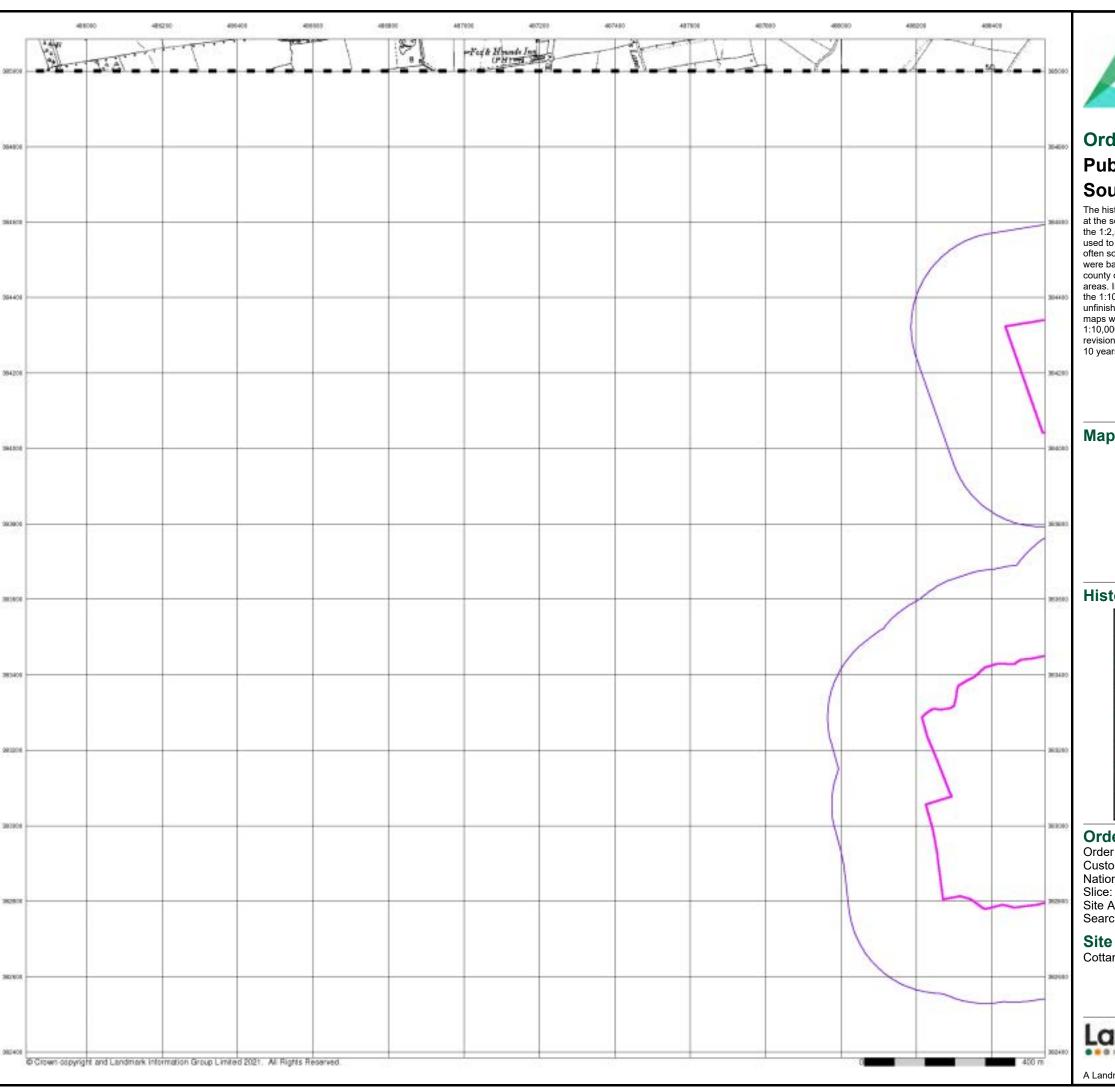
### **Site Details**

Cottam 1



0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021 Page 9 of 14

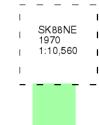




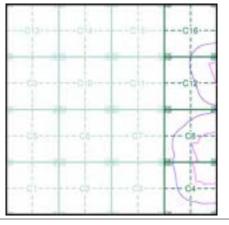
# **Ordnance Survey Plan** Published 1970 Source map scale - 1:10,000

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 C**



#### **Order Details**

Order Number: 287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 488320, 383410 С

Site Area (Ha): Search Buffer (m): 884.45 250

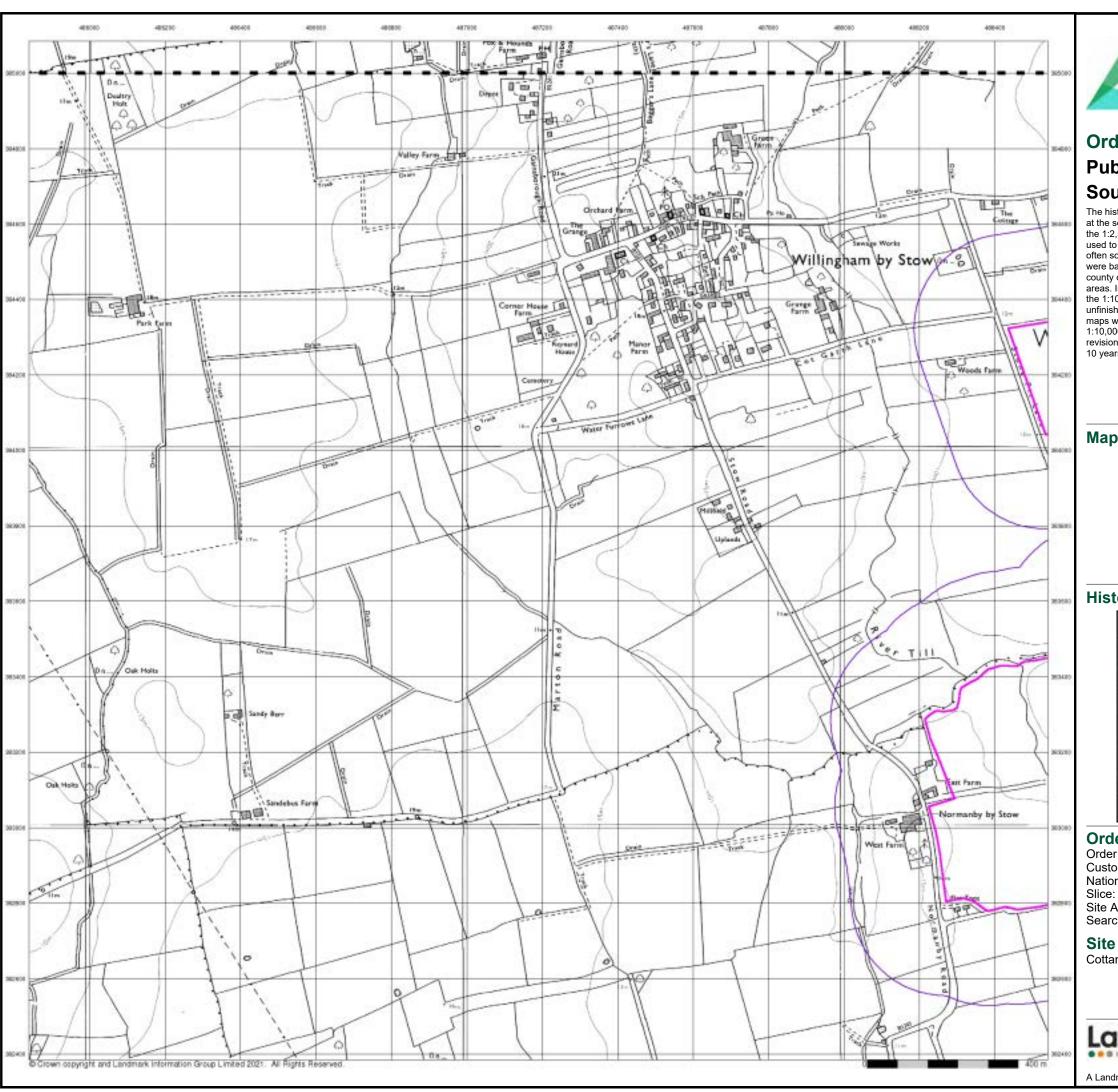
### **Site Details**

Cottam 1



0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021 Page 10 of 14





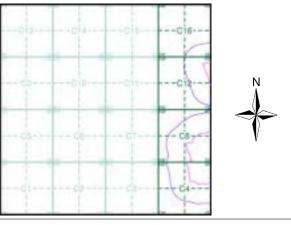
## **Ordnance Survey Plan** Published 1980 - 1981 Source map scale - 1:10,000

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 C**



#### **Order Details**

Order Number: 287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 488320, 383410

Site Area (Ha): Search Buffer (m): 884.45

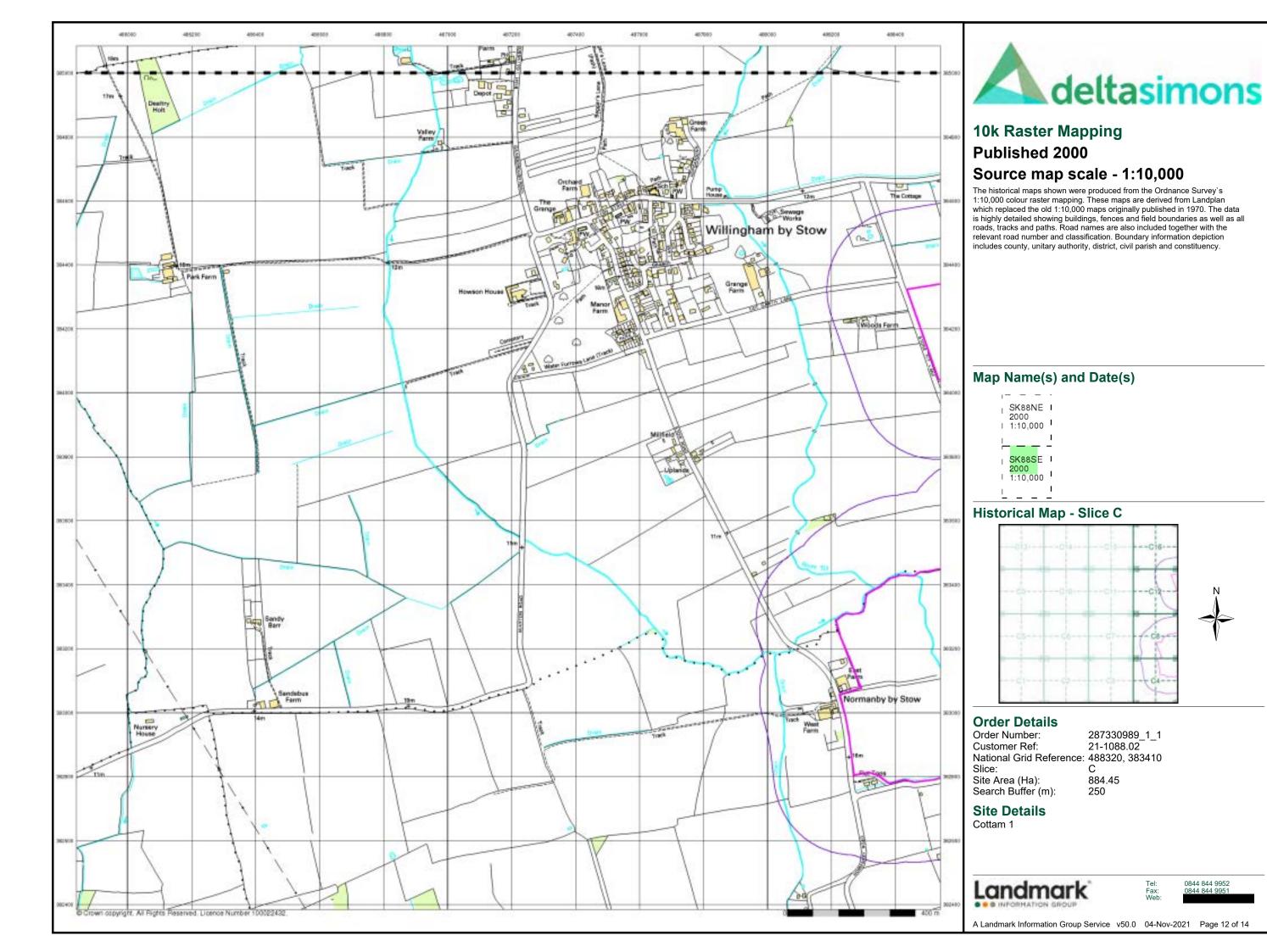
**Site Details** 

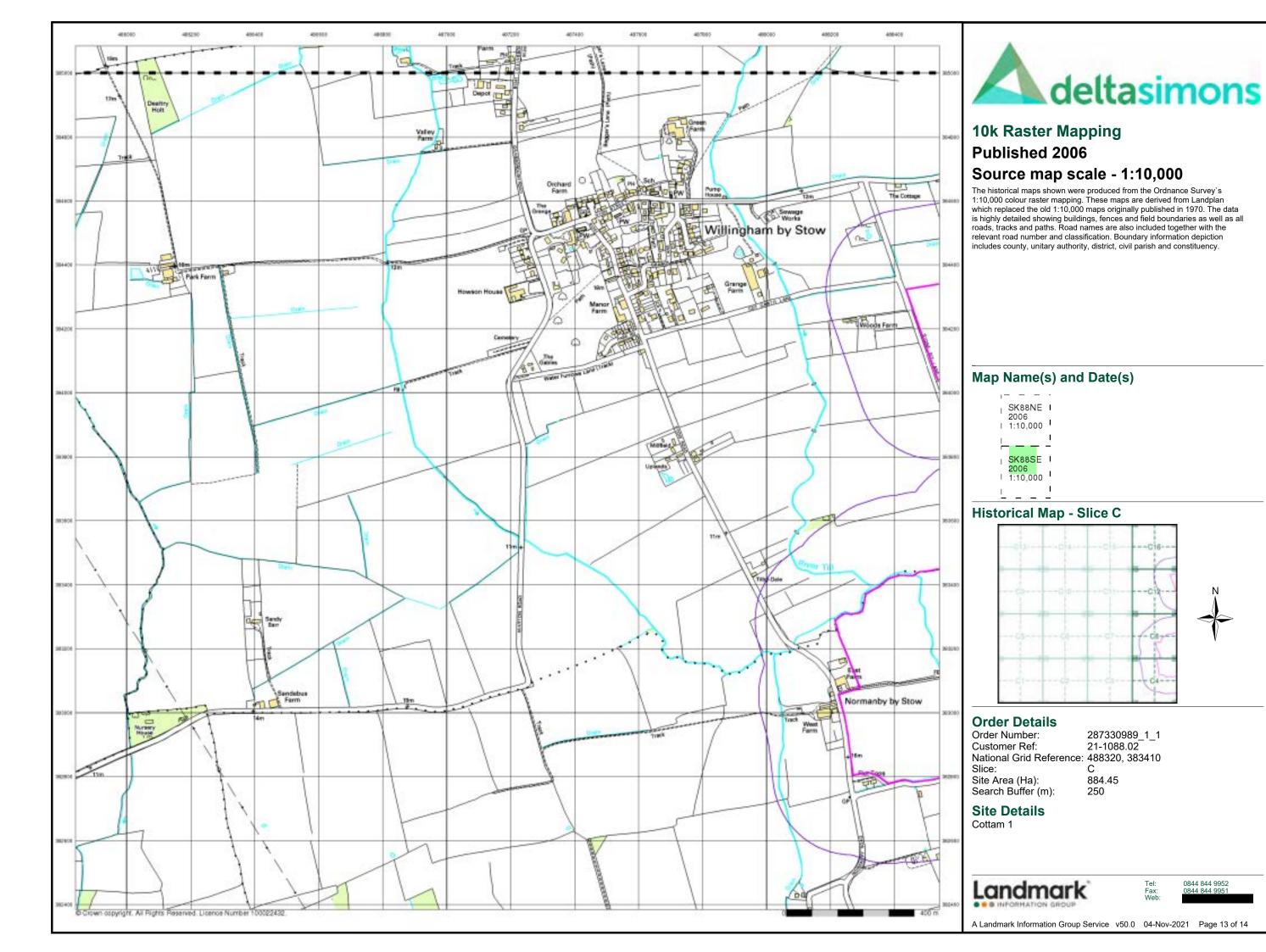
Cottam 1

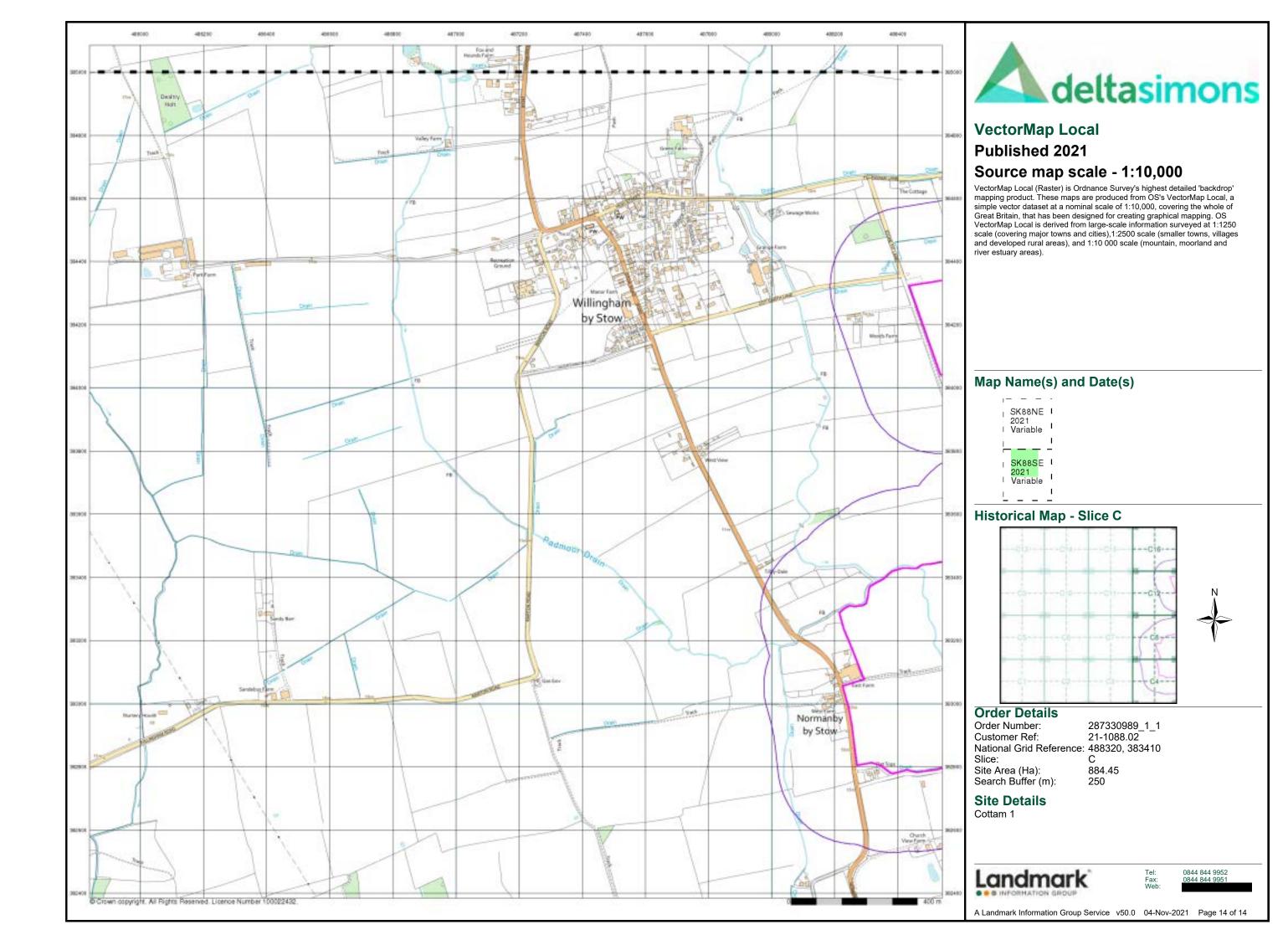


0844 844 9952

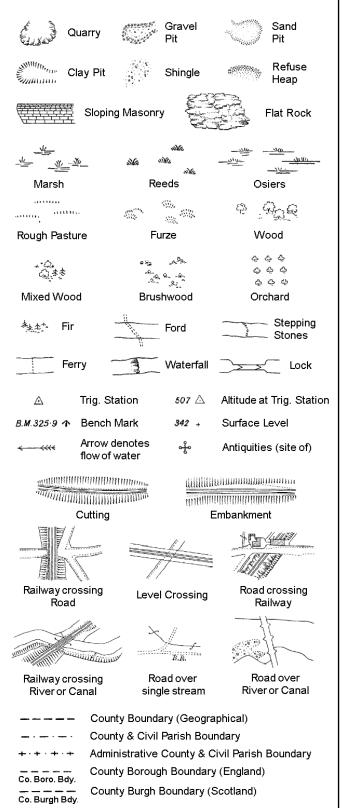
A Landmark Information Group Service v50.0 04-Nov-2021 Page 11 of 14







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



B.R.

EP

F.B.

M.S

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

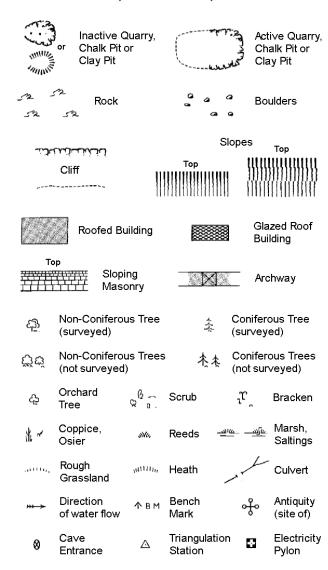
Trough Well

S.P

Sl.

Tr:

#### Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



**Electricity Transmission Line** 

County Boundary (Geographical) County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary mereing changes

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

# 1:1,250

Slopes

777-0	~~~~		S	lopes	Тор
	Clift ئىنىنىنى		Тор	uuu	uuuuu
		1111		1 111111	711111111111111111111111111111111111111
		[][]			1111111111
23	Rock		7.53	Rock (so	cattered)
$\Box_{a}$	Boulders		<i>D</i>	Boulders	s (scattered)
	Positioned	Boulder		Scree	
දුනු	Non-Conife (surveyed)		李	Conifero	
ర్గోల్	Non-Conife (not survey	erous Trees /ed)	* **	Coniferd (not surv	ous Trees /eyed)
දා	Orchard Tree	Q 0.	Scrub	$^{j}\mathcal{L}^{\overset{\circ}{}}$	Bracken
* ~	Coppice, Osier	siVe,	Reeds =	<u>ज।ए —ग्रीए</u>	Marsh, Saltings
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Rough Grassland	mum,	Heath	1	Culvert
<del>*** &gt;</del>	Direction of water flo	Δ w	Triangulatio Station	n of∞	Antiquity (site of)
E_TL	_ Electric	ity Transmis	ssion Line	$\boxtimes$	Electricity Pylon
\ <b>€</b> \	1 231.60m B	ench Mark		Building Building	
	Roofe	ed Building		888	azed Roof iilding
		Civil parich	/community	houndary	
` <u> </u>		District bo		bouridar y	
			-		
_ •	. ——	County box	<del>-</del>		
9		Boundary p			
×	>	-	nereing syml pear in oppos		
Bks	Barracks		Р	Pillar, Po	le or Post
Bty	Battery		PO	Post Offi	ce
Cemy	Cemetery		PC	Public C	onvenience
Chy	Chimney		Pp	Pump	
Cis	Cistern		Ppg Sta	Pumping	
Dismtd F	-	tled Railway	PW	Place of	
El Gen S	ta Electrici Station	ity Generating	Sewage		ewage umping Station
EIP	Electricity	Pole, Pillar	SB, S Br		ox or Bridge
	ta Electricity		SP, SL	_	ost or Light
FB	Filter Bed		Spr	Spring	<u></u>
Fn/DFr		Drinking Ftn.	Tk	Tank or 1	[rack
	Gae Valve	_	Tr	Trough	

Gas Valve Compound

Mile Post or Mile Stone

Gas Governer

**Guide Post** 

Manhole

GVC

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Wd Pp

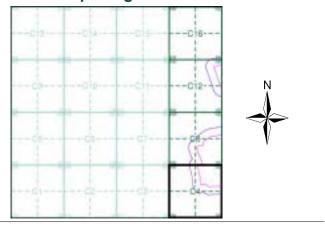
Wks



#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1975	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

## **Historical Map - Segment C4**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 **Customer Ref:** National Grid Reference: 488320, 383410 Slice:

884.45 Site Area (Ha): Search Buffer (m): 100

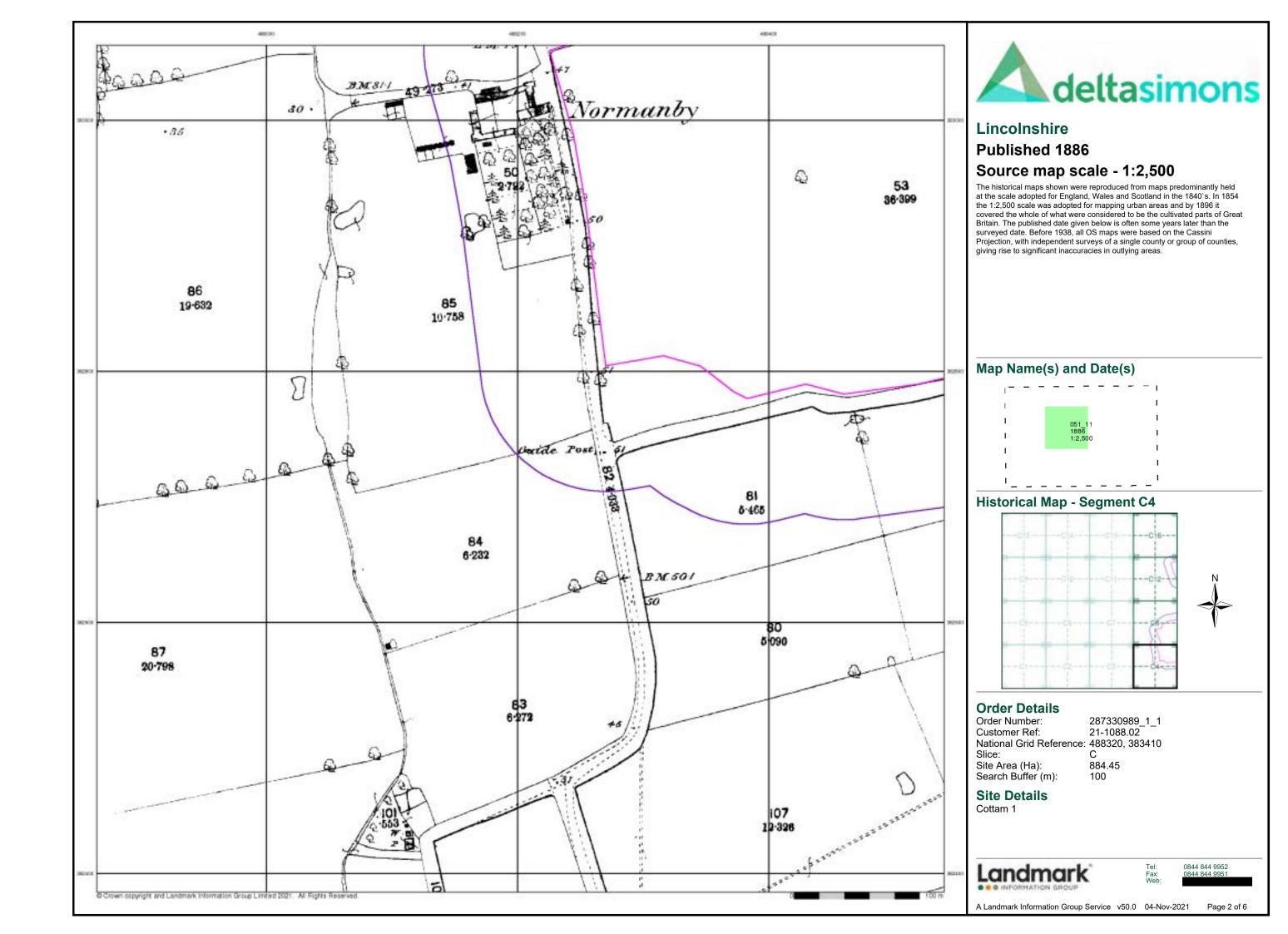
## **Site Details**

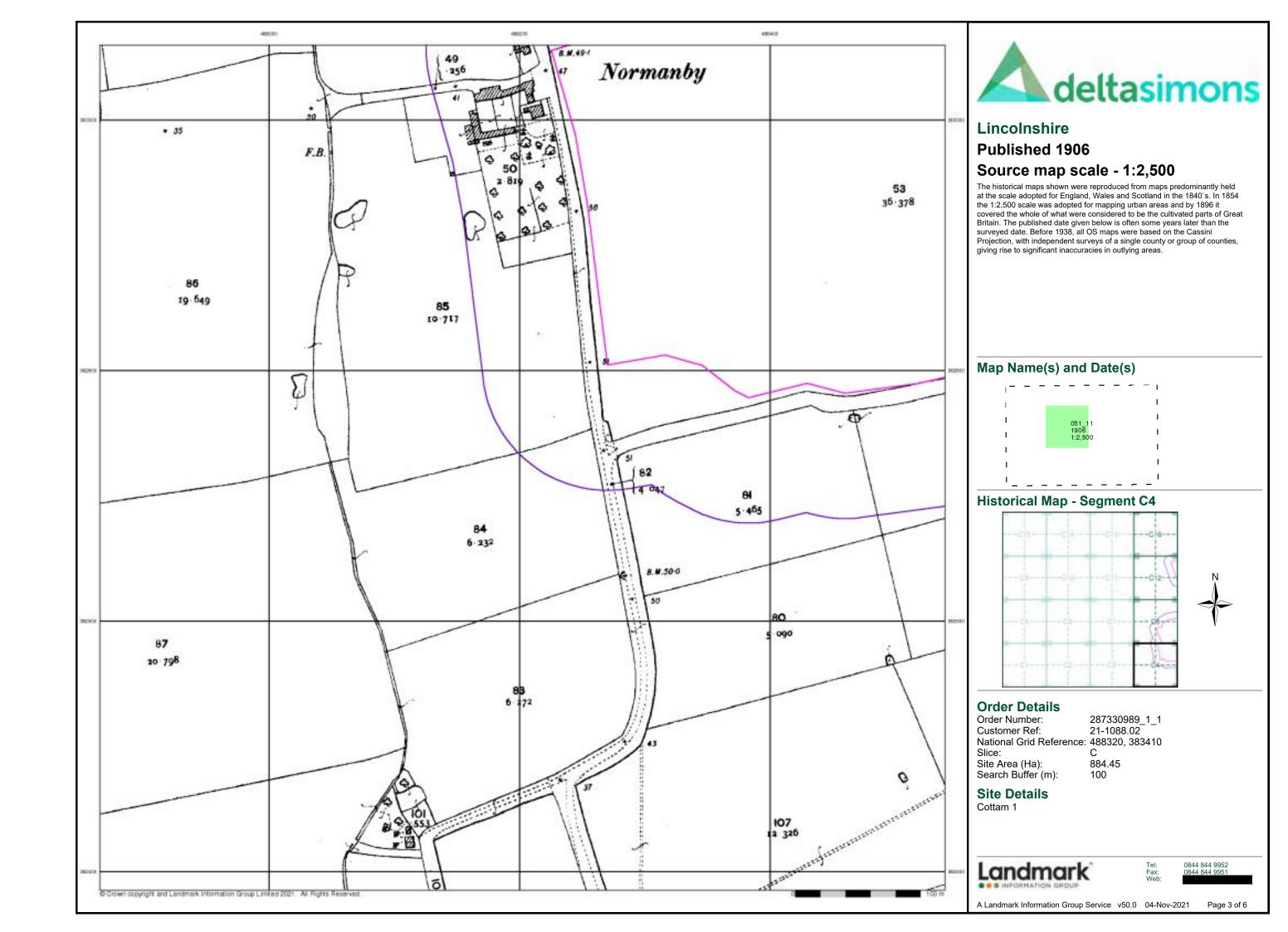
Cottam 1

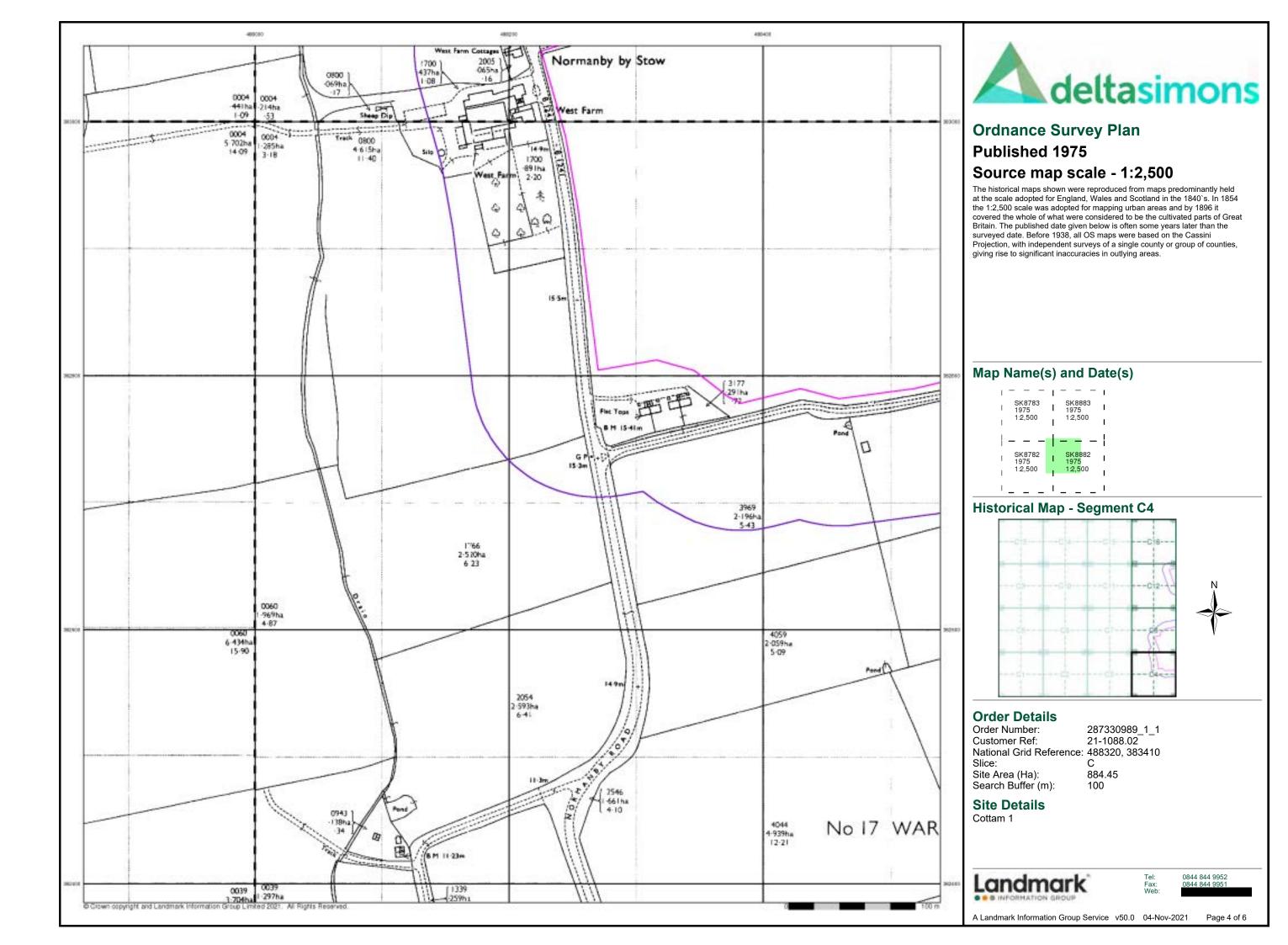


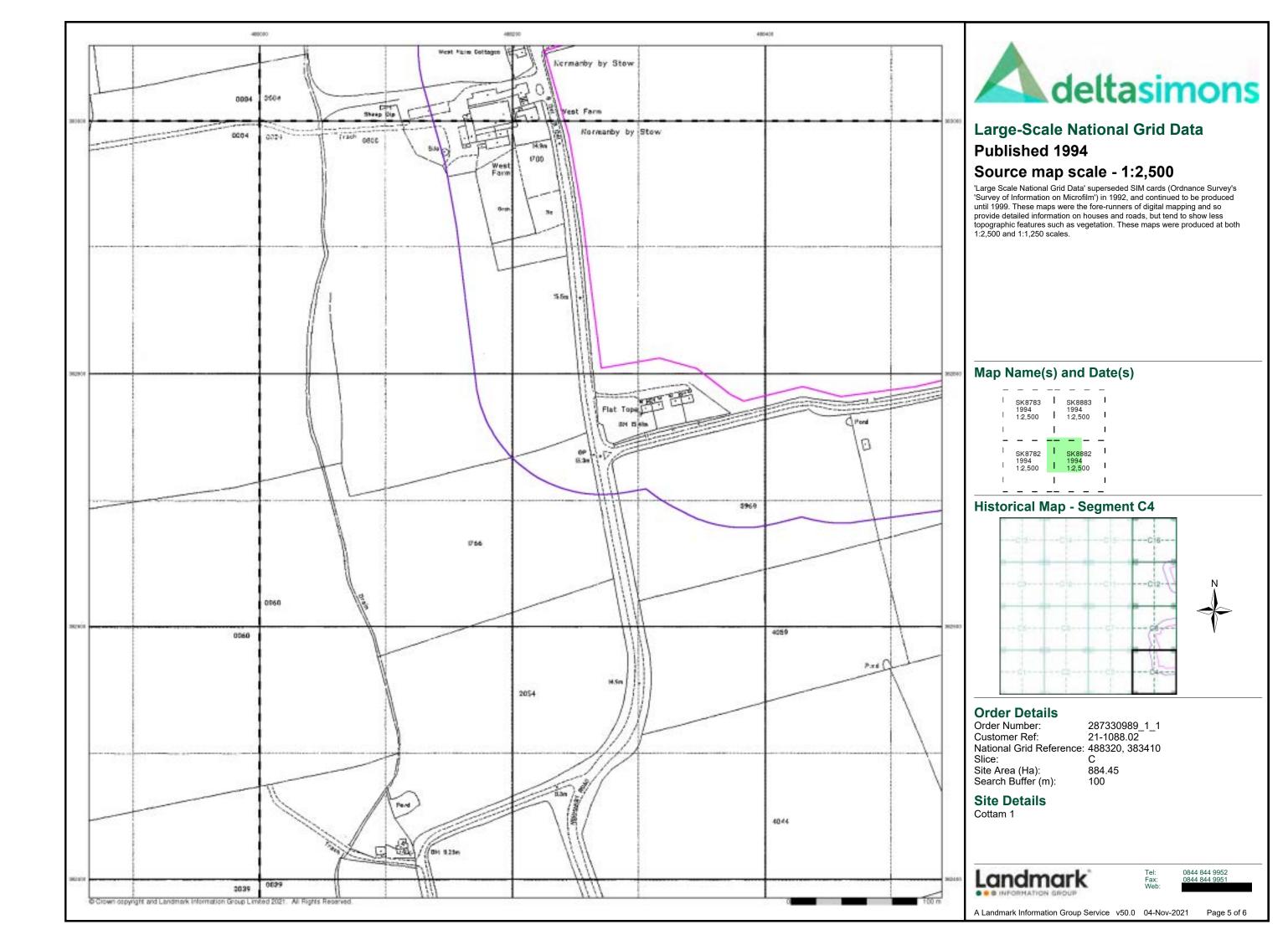
0844 844 9952

Page 1 of 6









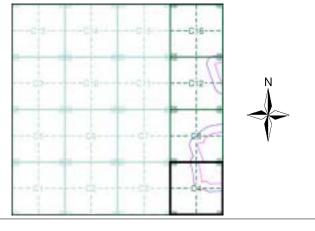




## **Historical Aerial Photography** Published 1999

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

## **Historical Aerial Photography - Segment C4**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 488320, 383410

Slice:

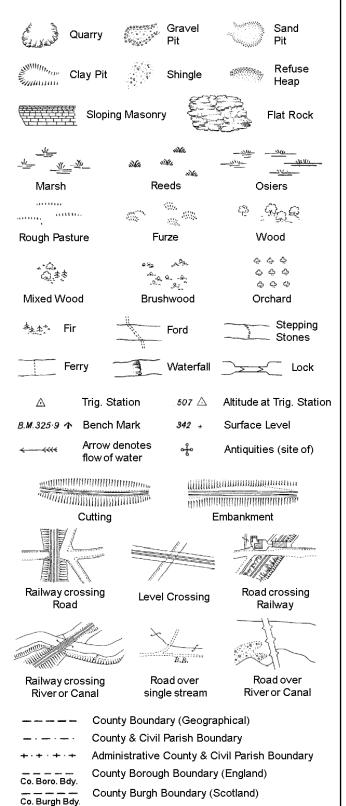
884.45 100 Site Area (Ha): Search Buffer (m):

**Site Details** Cottam 1

Landmark

A Landmark Information Group Service v50.0 04-Nov-2021 Page 6 of 6

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



B.R.

E.P

F.B.

M.S

Bridle Road

Foot Bridge

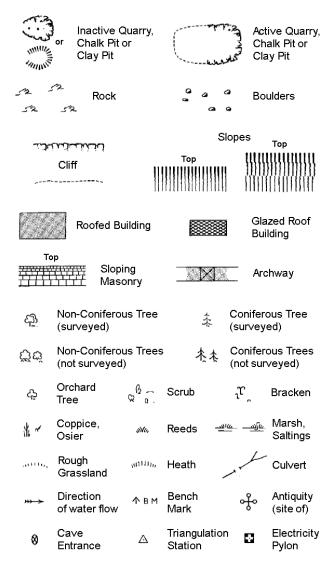
Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Guide Post or Board

Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



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

**Electricity Transmission Line** 

L B Bdy

~ \$\frac{\fir}}}}}}{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac}\f{\f{\frac{\frac{\fir}{\frac{\frac{\frac{\frac{\frac}\frac{\f{\f{\f{\fir}}}}}}}{\firac{\frac{\fir}{\fir}}}}}}{\firac{\firac{\fir}{\fir}}}}}}{\firac

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

Trough Well

S.P

T.C.B

Sl.

 $T_T$ 

County Boundary (Geographical)

Admin. County or County Bor. Boundary

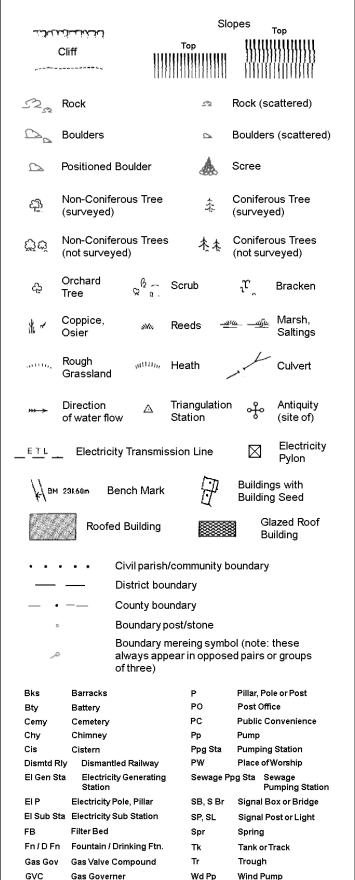
Symbol marking point where boundary

County & Civil Parish Boundary

Civil Parish Boundary

London Borough Boundary

# 1:1,250

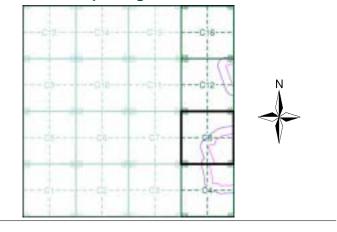




#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1975	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

## **Historical Map - Segment C8**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 **Customer Ref:** National Grid Reference: 488320, 383410 Slice:

Site Area (Ha): 884.45 Search Buffer (m): 100

## **Site Details**

Cottam 1

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Wks

**Guide Post** 

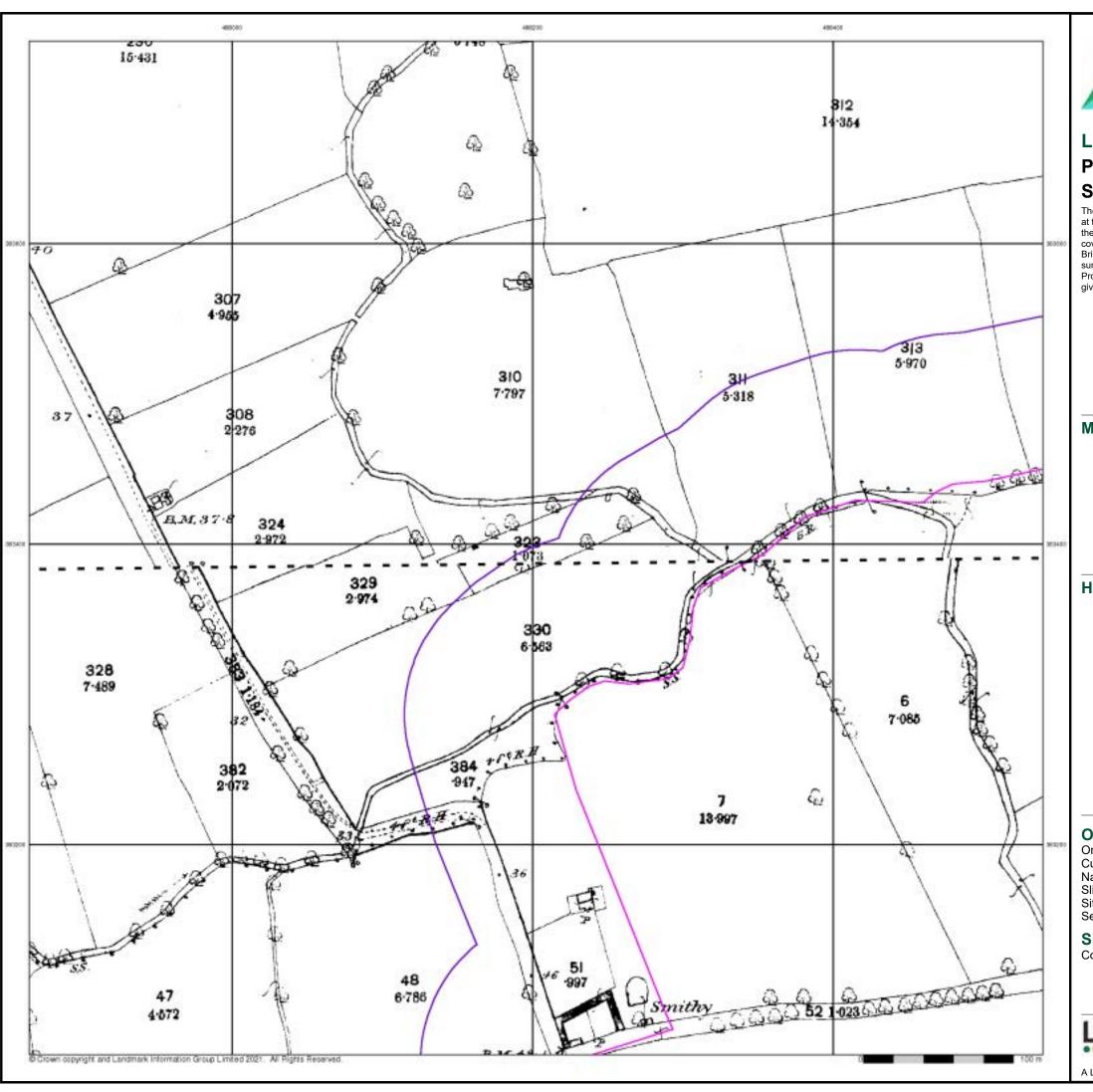
Mile Post or Mile Stone

Manhole





Page 1 of 6

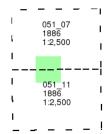




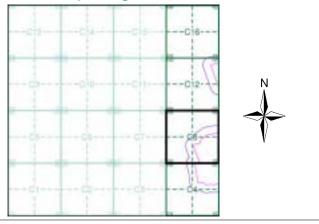
## **Published 1886** Source map scale - 1:2,500

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 C8**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 488320, 383410

Slice:

Site Area (Ha): Search Buffer (m): 884.45 100

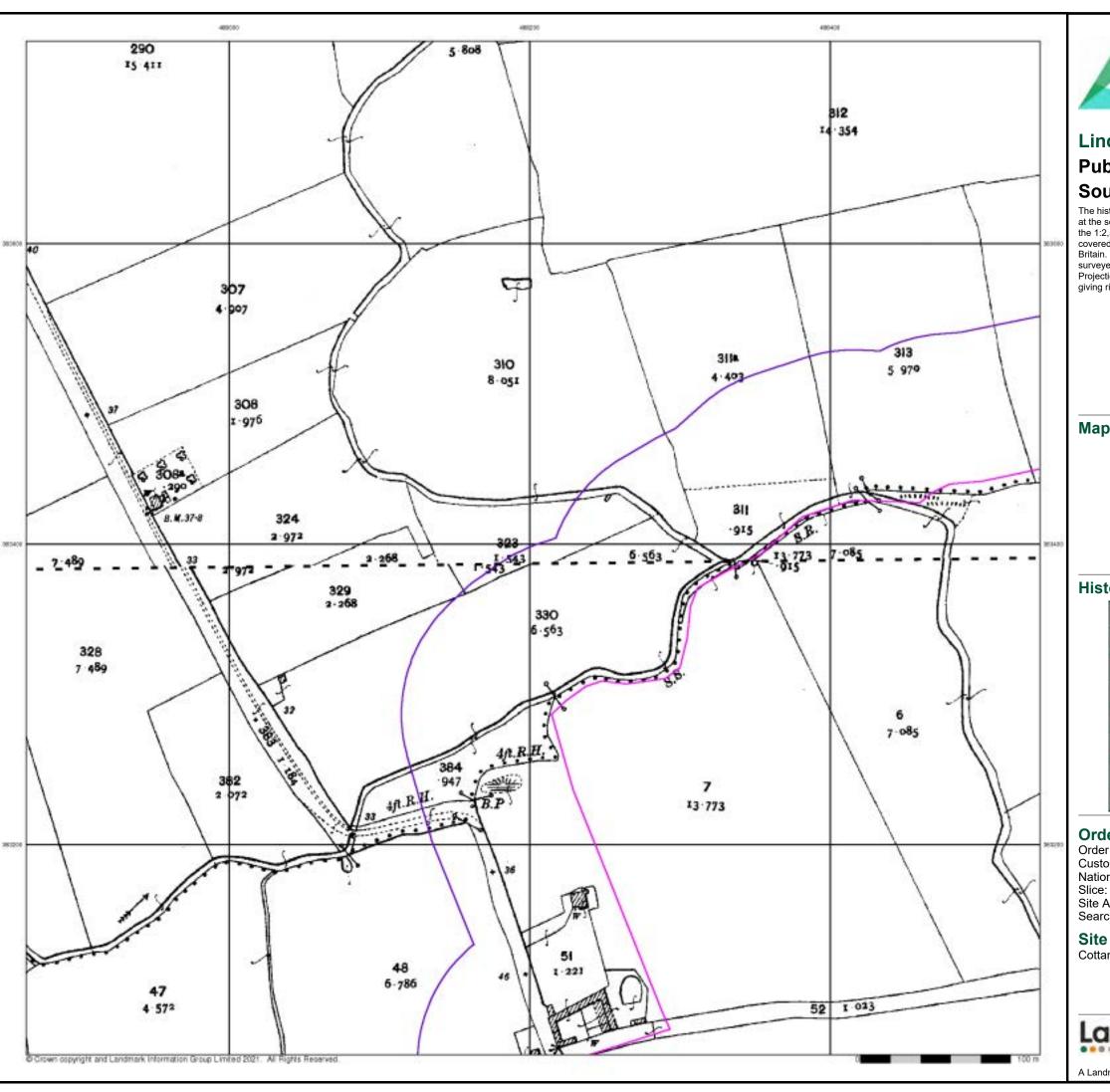
## **Site Details**

Cottam 1



0844 844 9952

Page 2 of 6



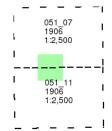


# Published 1906

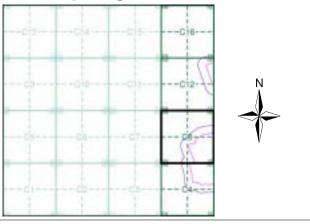
## Source map scale - 1:2,500

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 C8**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 488320, 383410

Site Area (Ha): Search Buffer (m): 884.45

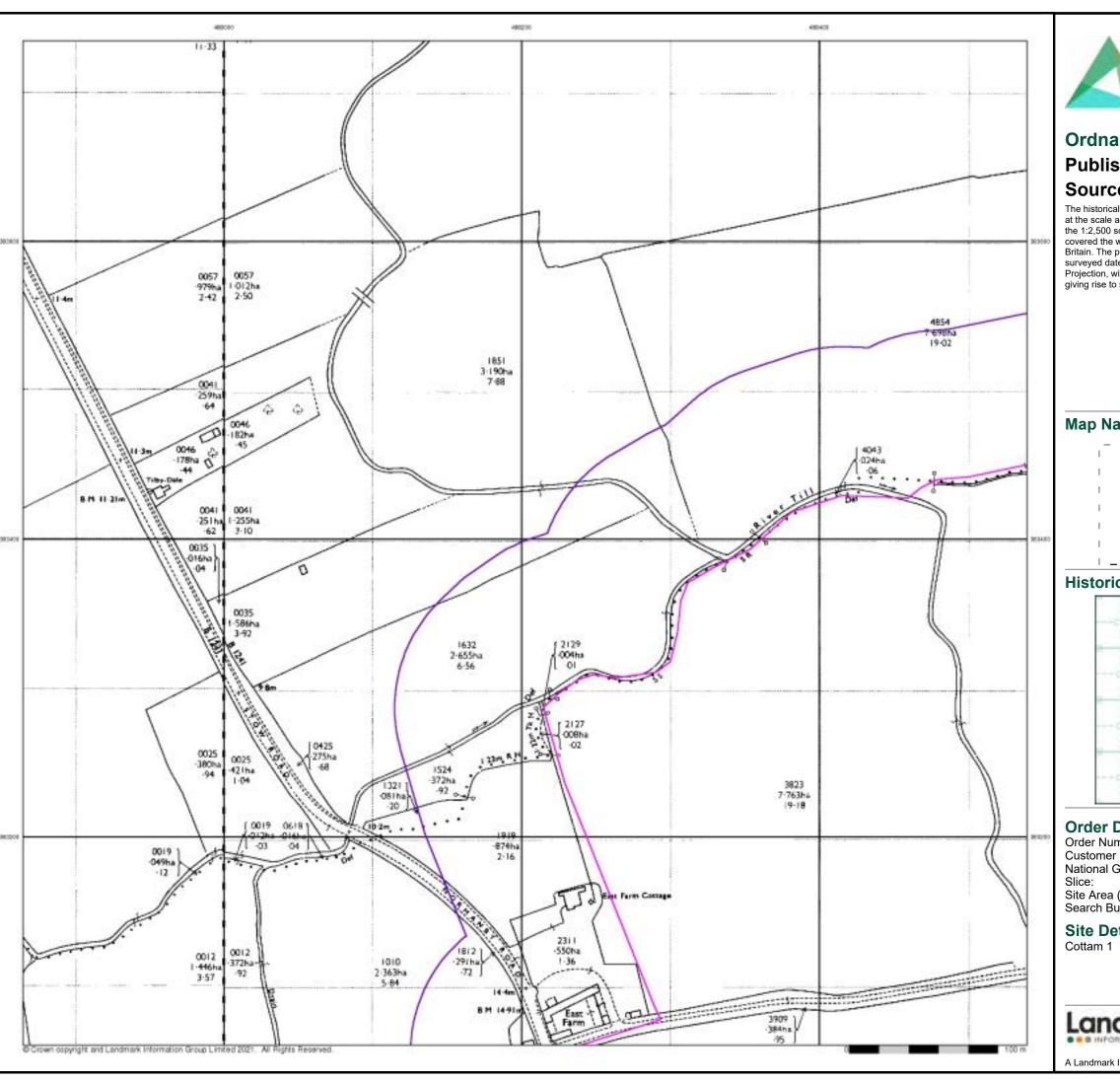
## **Site Details**

Cottam 1



0844 844 9952

Page 3 of 6

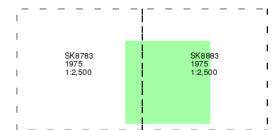




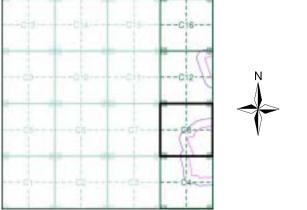
## **Ordnance Survey Plan Published 1975** Source map scale - 1:2,500

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 surveyes 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 C8**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 Customer Ref: National Grid Reference: 488320, 383410

Site Area (Ha): Search Buffer (m): 884.45 100

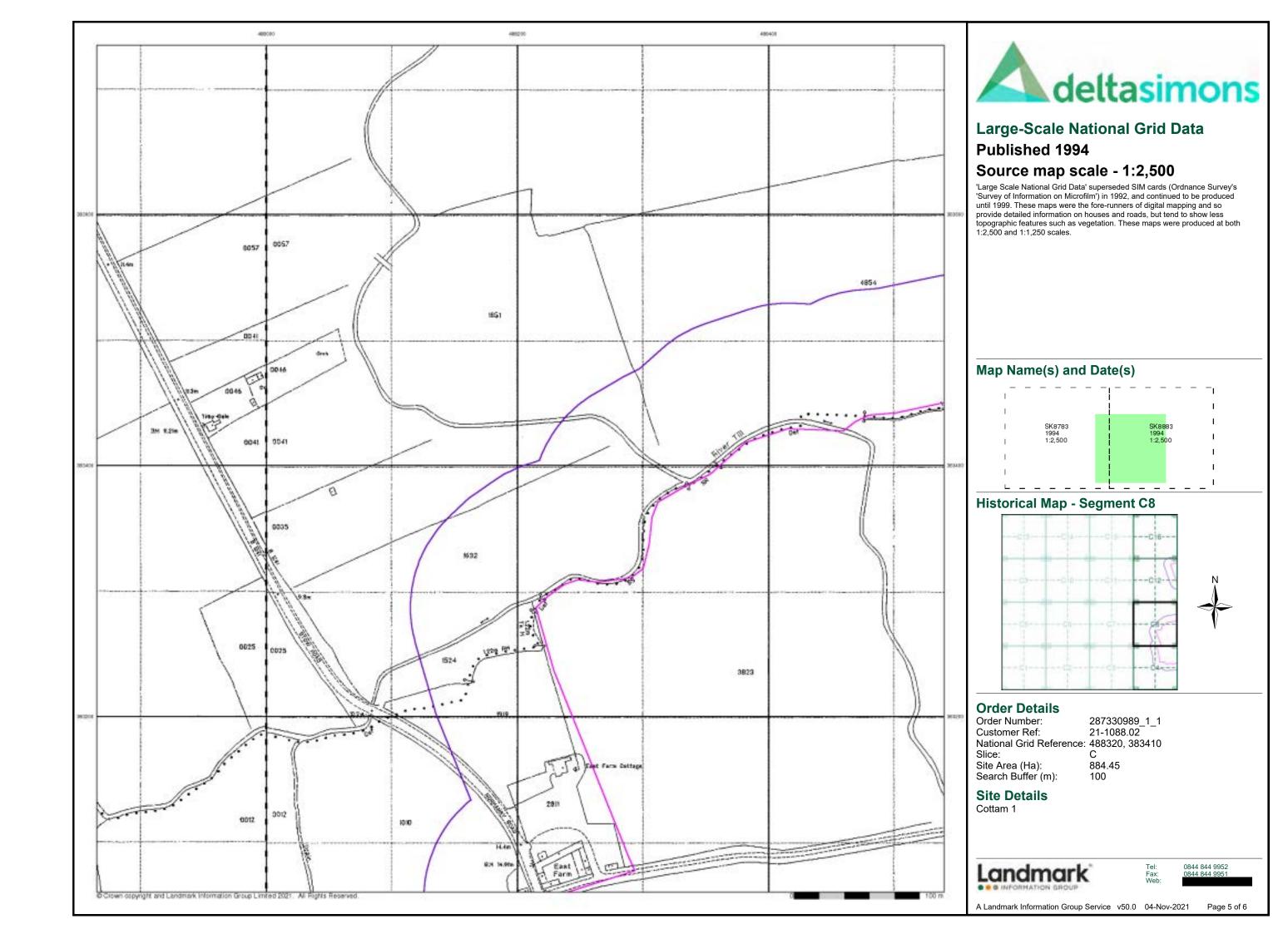
## **Site Details**



0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021

Page 4 of 6



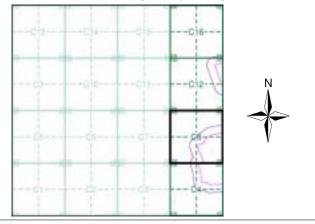




## **Historical Aerial Photography** Published 1999

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

## **Historical Aerial Photography - Segment C8**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 488320, 383410

Slice:

Site Area (Ha): Search Buffer (m): 884.45 100

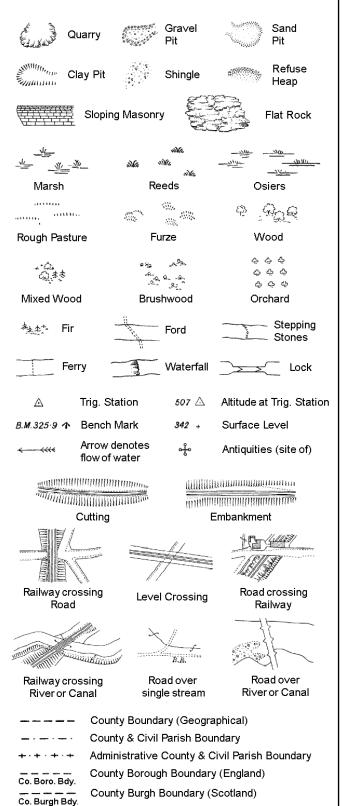
## **Site Details**

Cottam 1

Landmark'

A Landmark Information Group Service v50.0 04-Nov-2021 Page 6 of 6

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



B.R.

E.P

F.B.

M.S

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

Trough Well

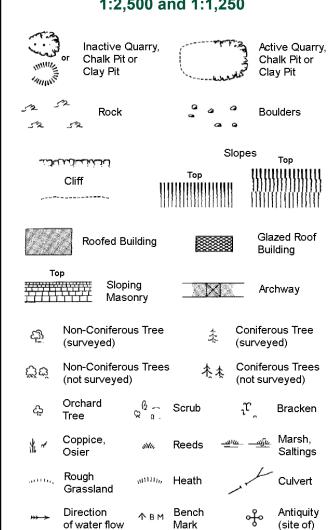
S.P

T.C.B

Sl.

Tr:

Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



**Electricity Transmission Line** 

Cave

County Boundary (Geographical) County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary mereing changes

Triangulation

Electricity

÷

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

# 1:1,250

			Slo	pes _	
	لكنكساند	To	a	11111111	Гор 
	Cliff	1131111111	!!!!!!!!!	]]]]]]]	!!!!!!!!!
	-	[[[]]]]]]	1111111111		
523	Rock		23	Rock (sc	attered)
	Boulders		Δ.	Boulders	(scattered)
$\triangle$	Positioned Boul	der		Scree	
කු	Non-Coniferous (surveyed)	Tree	-1-	Conifero (surveye	
ర్లోల్	Non-Coniferous (not surveyed)	Trees	<b>→ →</b>	Conifero (not surv	us Trees eyed)
දා	Orchard Tree	β Ω Scru	du	L.	Bracken
* ~	Coppice, Osier	w. Ree	ds <u>- w</u> id	<u>ം —ചും</u>	Marsh, Saltings
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Rough Grassland	uuu, Hea	th /	1 to	Culvert
<del>&gt;&gt;&gt; →</del>	Direction of water flow	∆ Tria Stat	ngulation ion	ઌ૾ૢૺ૰	Antiquity (site of)
E_TL	_ Electricity Tr	ansmission	Line	$\boxtimes$	Electricity Pylon
/ <del>/</del> / BM	231.60m Bench	ı Mark		Building Building	
	Roofed Bu	ilding		4	azed Roof ilding
	· · · Civil	parish/com	munity bo	oundary	
		rict boundar	-	-	
_ •	-— Cou	nty boundar	ту		
٥	Bou	ndary post/s	stone		
Þ	Bou	ndary merei ys appear i	ing symbo	`	
Bks	Barracks		Р	Pillar, Pole	e or Post
Bty	Battery		PO	Post Offic	-
Cemy	Cemetery		PC D		nvenience
Chy Cis	Chimney Cistern		Pp Ppg Sta	Pump Pumping	Station
Dismtd R		ailway	PW -	Place of W	
El Gen S	-	-	Sewage Pp	g Sta Se	wage mping Station
EIP	Electricity Pole, F	Pillar	SB, S Br		x or Bridge
	ta Electricity Sub S		SP, SL	_	st or Light
FB	Filter Bed		Spr	Spring	
Fn / D Fn	Fountain / Drinki	ng Ftn.	Tk -	Tank or Tr	rack

Gas Valve Compound

Mile Post or Mile Stone

Gas Governer

**Guide Post** 

Manhole

GVC

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Wd Pp

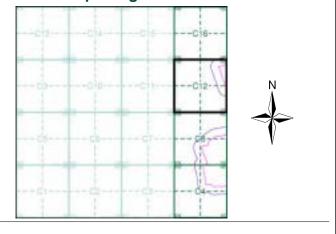
Wks



## **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1975	4
Additional SIMs	1:2,500	1990	5
Large-Scale National Grid Data	1:2,500	1994	6
Historical Aerial Photography	1:2,500	1999	7

## **Historical Map - Segment C12**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 **Customer Ref:** National Grid Reference: 488320, 383410 Slice:

884.45 Site Area (Ha): Search Buffer (m): 100

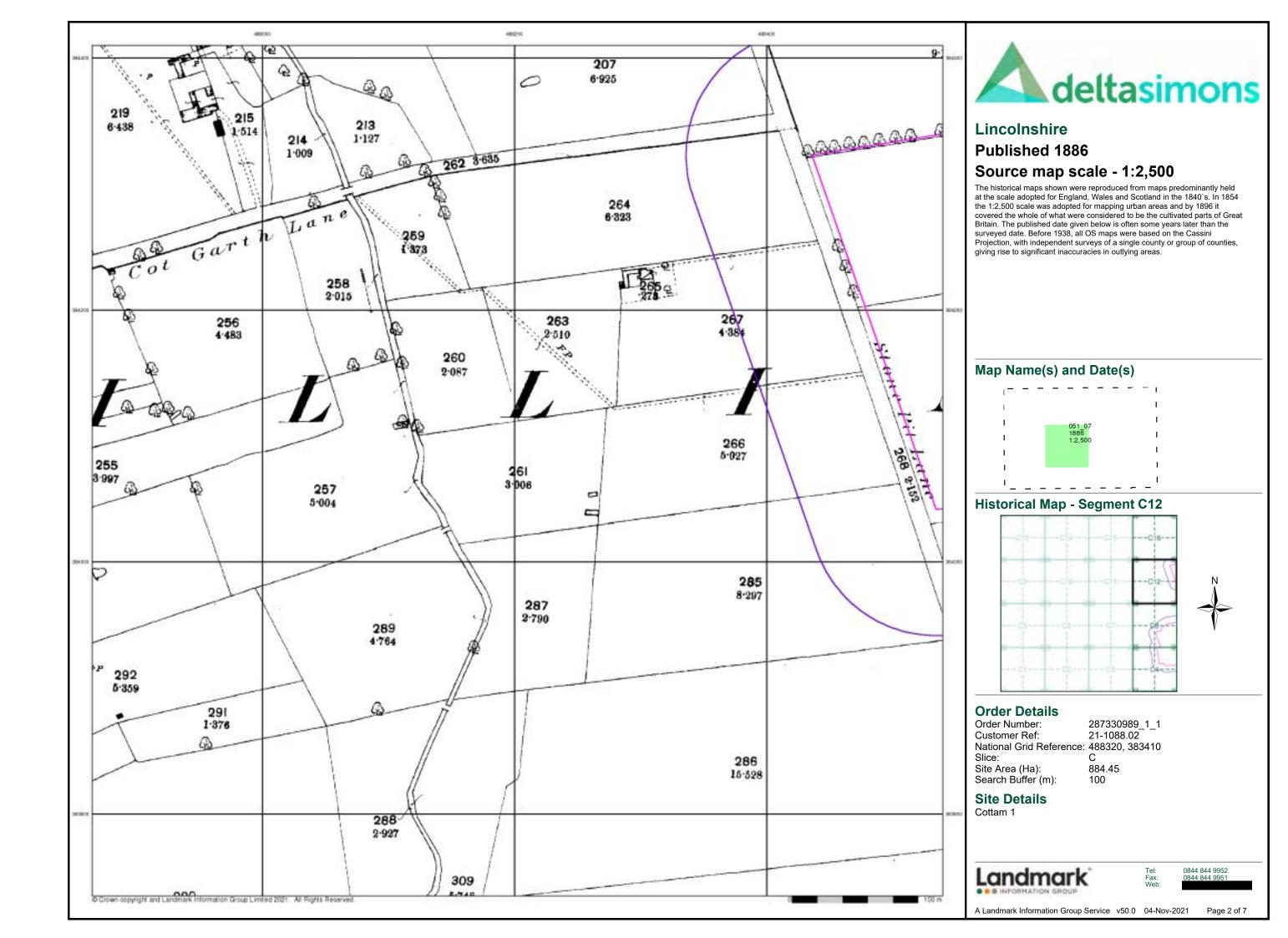
## **Site Details**

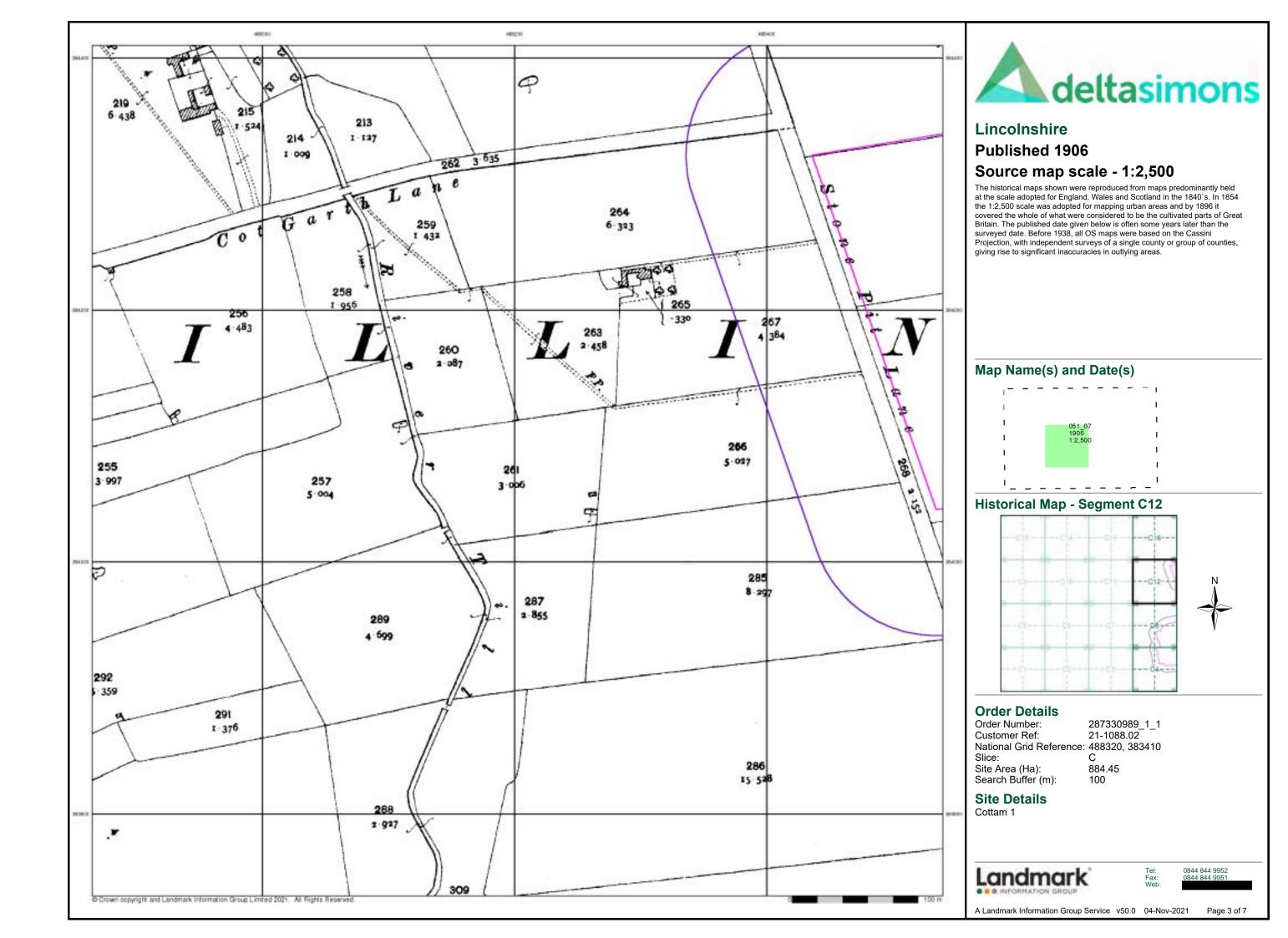
Cottam 1

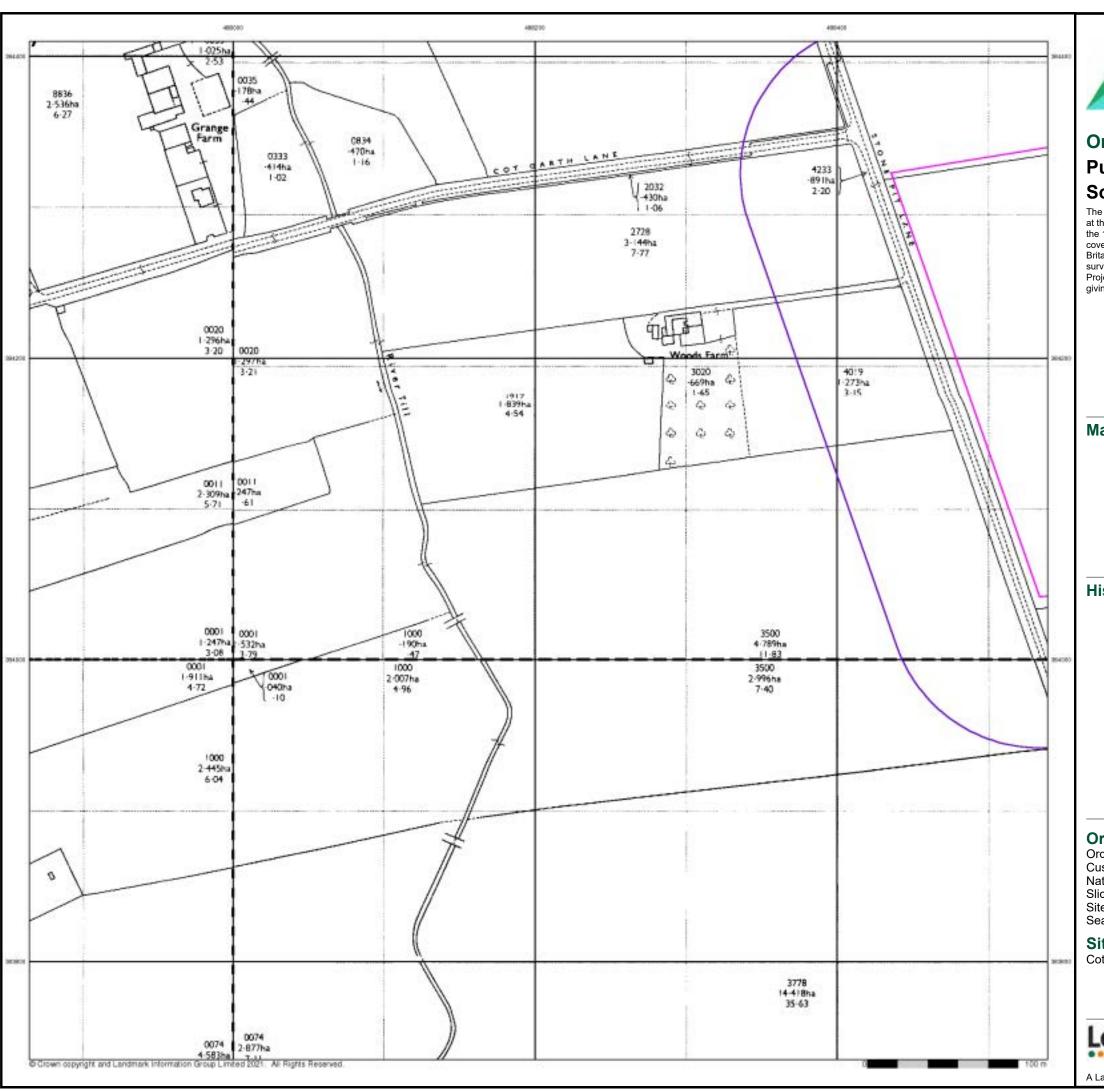


0844 844 9952

Page 1 of 7









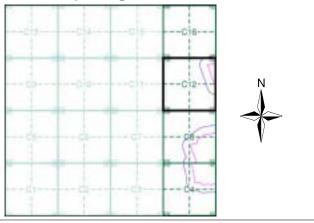
# Ordnance Survey Plan Published 1975 Source map scale - 1:2,500

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)

- 1		- 1		I
1	SK8784 1975	ı	SK8884 1975	ı
- 1	1:2,500	-1	1:2,500	I
		1		
1	SK8783 1975	1	SK8883 1975	ı
1	1:2,500	ı	1:2,500	I
1		1		ı

## **Historical Map - Segment C12**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 488320, 383410

Slice:

Site Area (Ha): 884.45 Search Buffer (m): 100

## **Site Details**

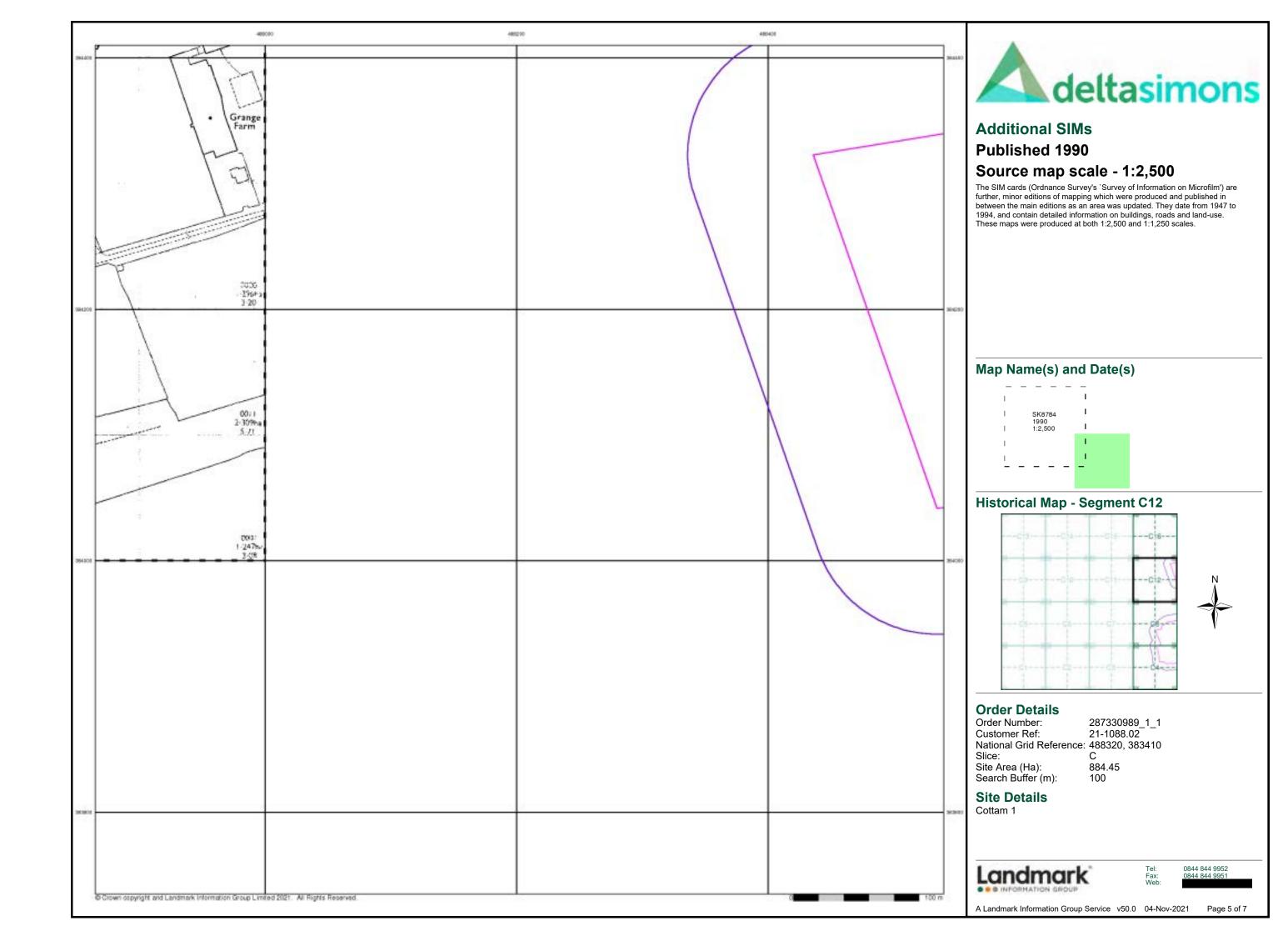
Cottam 1

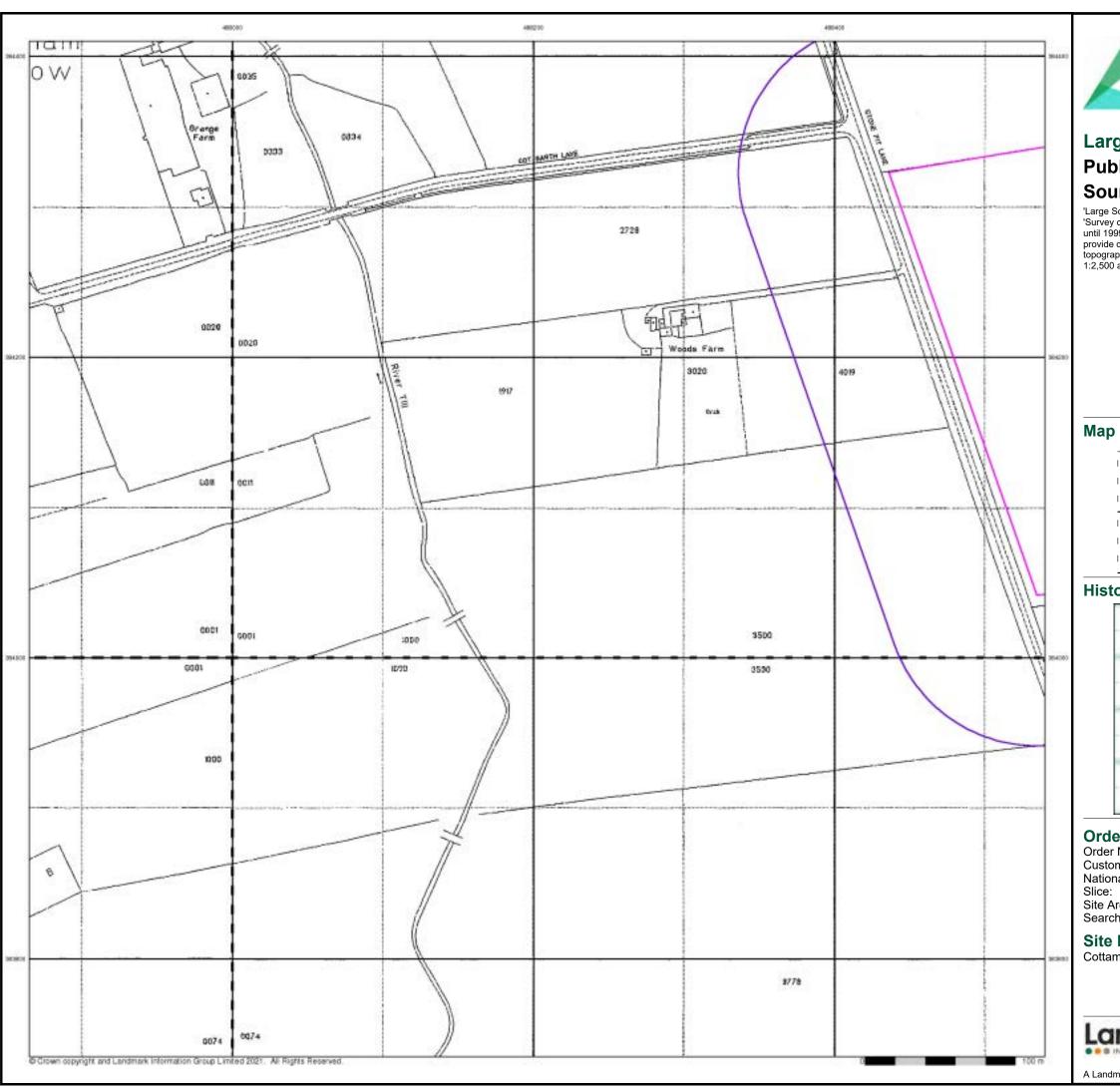


Tel: Fax: Web: 0844 844 9952 0844 844 9951

A Landmark Information Group Service v50.0 04-Nov-2021

1 Page 4 of 7







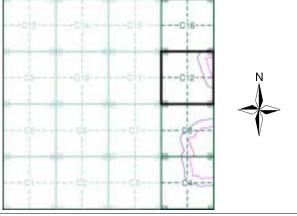
## **Large-Scale National Grid Data** Published 1994 Source map scale - 1:2,500

'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)

	_			_	_	_
I	SK8		- 1	SK8		ı
I	199		1	1994 1:2,5		ı
1			1			ı
_	_	_		_	_	_
1						-
	SK8	783		SK8	883	
İ	SK8 199 1:2,	4	ī	1994 1:2,5	1	
	199	4	I I	1994	1	, ,

#### **Historical Map - Segment C12**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 488320, 383410

Site Area (Ha): Search Buffer (m): 884.45

## **Site Details**

Cottam 1



0844 844 9952

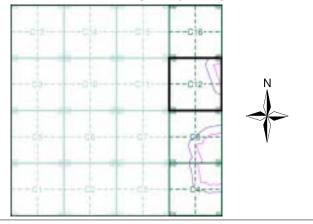




## **Historical Aerial Photography** Published 1999

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

## **Historical Aerial Photography - Segment C12**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 488320, 383410

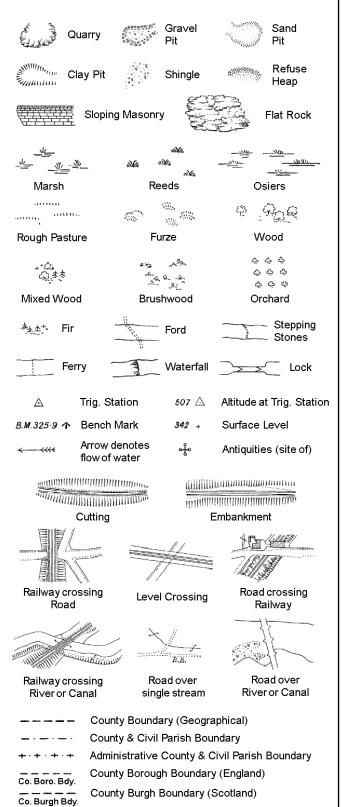
Slice: Site Area (Ha): Search Buffer (m): 884.45 100

**Site Details** 

Cottam 1

Landmark

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



B.R.

E.P

F.B.

M.S

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

MS

NTL

Normal Tidal Limit

Signal Post

Pump

Sluice

Spring

Trough

Well

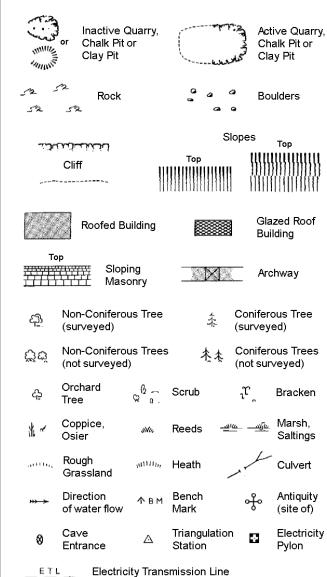
S.P

T.C.B

Sl.

Tr

#### Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



County Boundary (Geographical)

County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary

mereing changes

Beer House Pillar, Pole or Post **Boundary Post or Stone** Post Office Capstan, Crane Public Convenience ΡН Public House Chy D Fn Drinking Fountain Pump EIP Electricity Pillar or Post SB, SB Signal Box or Bridge FAP Fire Alarm Pillar SP. SL Signal Post or Light FB Foot Bridge Spring Tank or Track Guide Post Τk Hydrant or Hydraulic TCB Telephone Call Box LC Level Crossing TCP Telephone Call Post Manhole Trough MP Mile Post or Mooring Post Water Point, Water Tap

Wd Pp

Wind Pump

# 1:1,250

			SI	opes	Тор
	لكناب		Тор	1111111	1111111111
	Cliff	111	HANNING HARAN		((((((((
A Mar					
523	Rock		23	Rock (so	cattered)
	Boulders		<i>△</i>	Boulders	s (scattered)
	Positioned	Boulder		Scree	
ফ্র	Non-Conif (surveyed	erous Tree )	*	Conifero	
ర్జీట్	Non-Conif (not surve	erous Trees yed)	*	Conifero	ous Trees /eyed)
Ą.	Orchard Tree	© a .	Scrub	$^{5}\mathcal{U}_{c}$	Bracken
* ~	Coppice, Osier	siNis,	Reeds 🛥	<u>ചിര</u>	Marsh, Saltings
artite,	Rough Grassland	$uuu_{h}$	Heath	1	Culvert
<del>*** &gt;</del>	Direction of water flo	Δ ow	Triangulation Station	J of	Antiquity (site of)
_ E T L _	_ Electric	ity Transmi	ssion Line	$\boxtimes$	Electricity Pylon
/ <del>/</del> / BM	231.60m E	Bench Mark		Building Building	
	Roofe	ed Building		29	azed Roof iilding
		Civil parish	/community b	oundary	
		District bo	•	· · · · · · · · · · · · · · · · · · ·	
_			•		
_ •		County bo			
٥	,	Boundary p			
٥			mereing symb bear in oppos		
Bks	Barracks		Р	Pillar, Pol	le or Post
Bty	Battery		PO	Post Offi	
Cemy	Cemetery		PC	Public Co	onvenience
Chy	Chimney		Pp	Pump	
Cis	Cistern		Ppg Sta	Pumping	
Dismtd F	•	tled Railway	PW -	Place of\	
El Gen S	ta Electric Station	ity Generating	Sewage F		ewage umping Station
EIP	Electricity	Pole, Pillar	SB, S Br	Signal B	ox or Bridge
El Sub S	ta Electricity	Sub Station	SP, SL	Signal Po	ost or Light
FB	Filter Bed		Spr	Spring	
En (D En	. Fountain (	Drinking Etn	TL	Topk or T	

Fn / D Fn Fountain / Drinking Ftn.

Gas Governer

**Guide Post** 

Manhole

Gas Valve Compound

Mile Post or Mile Stone

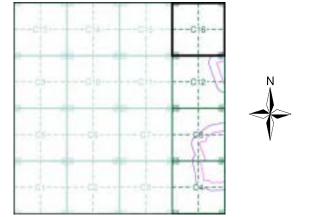
Gas Gov



#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1972 - 1975	4
Additional SIMs	1:2,500	1990	5
Large-Scale National Grid Data	1:2,500	1994	6
Historical Aerial Photography	1:2,500	1999	7

## **Historical Map - Segment C16**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 **Customer Ref:** National Grid Reference: 488320, 383410 Slice:

Tank or Track

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Tr

Wd Pp

Wks

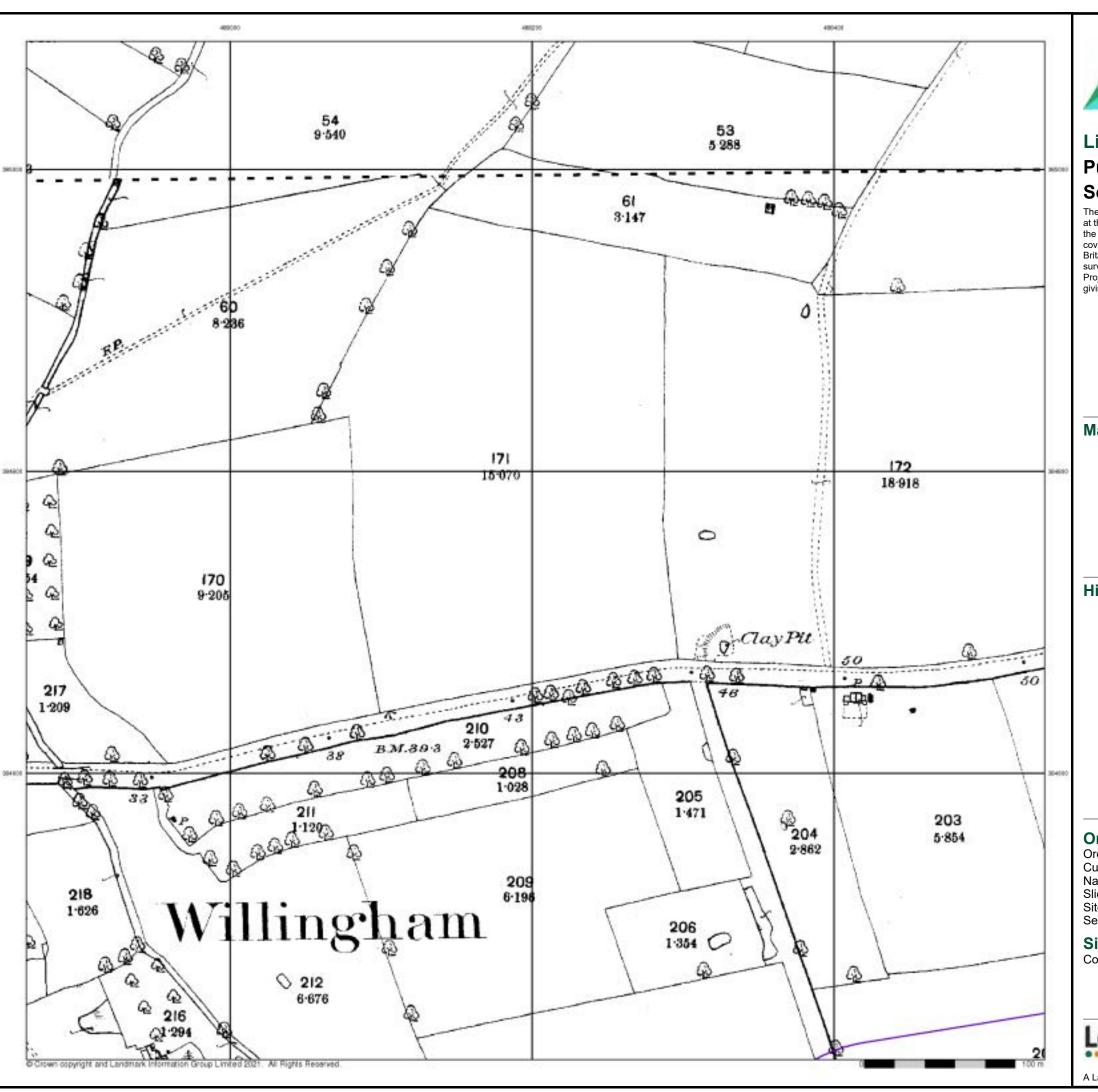
Site Area (Ha): 884.45 Search Buffer (m): 100

**Site Details** Cottam 1



0844 844 9952

Page 1 of 7

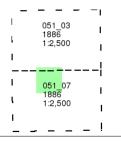




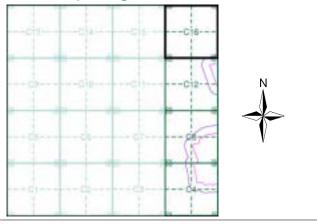
## **Published 1886** Source map scale - 1:2,500

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 C16**



#### **Order Details**

Order Number: 287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 488320, 383410

Slice:

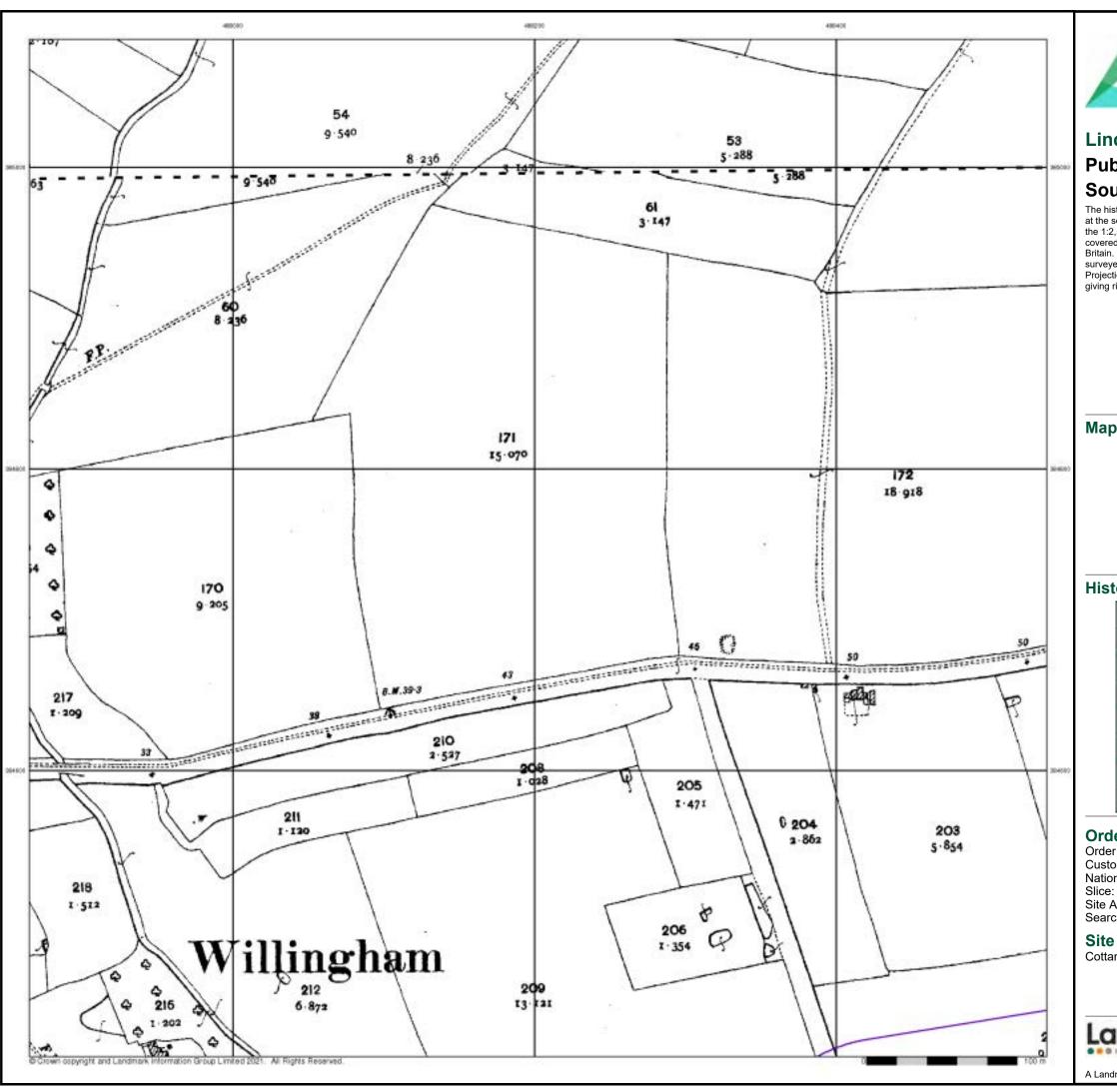
Site Area (Ha): Search Buffer (m): 884.45 100

## **Site Details**

Cottam 1



0844 844 9952

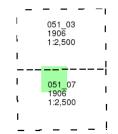




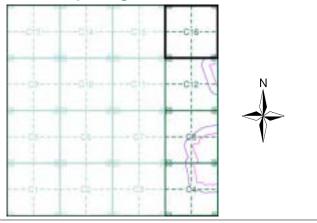
## **Published 1906** Source map scale - 1:2,500

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 C16**



#### **Order Details**

Order Number: 287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 488320, 383410 С

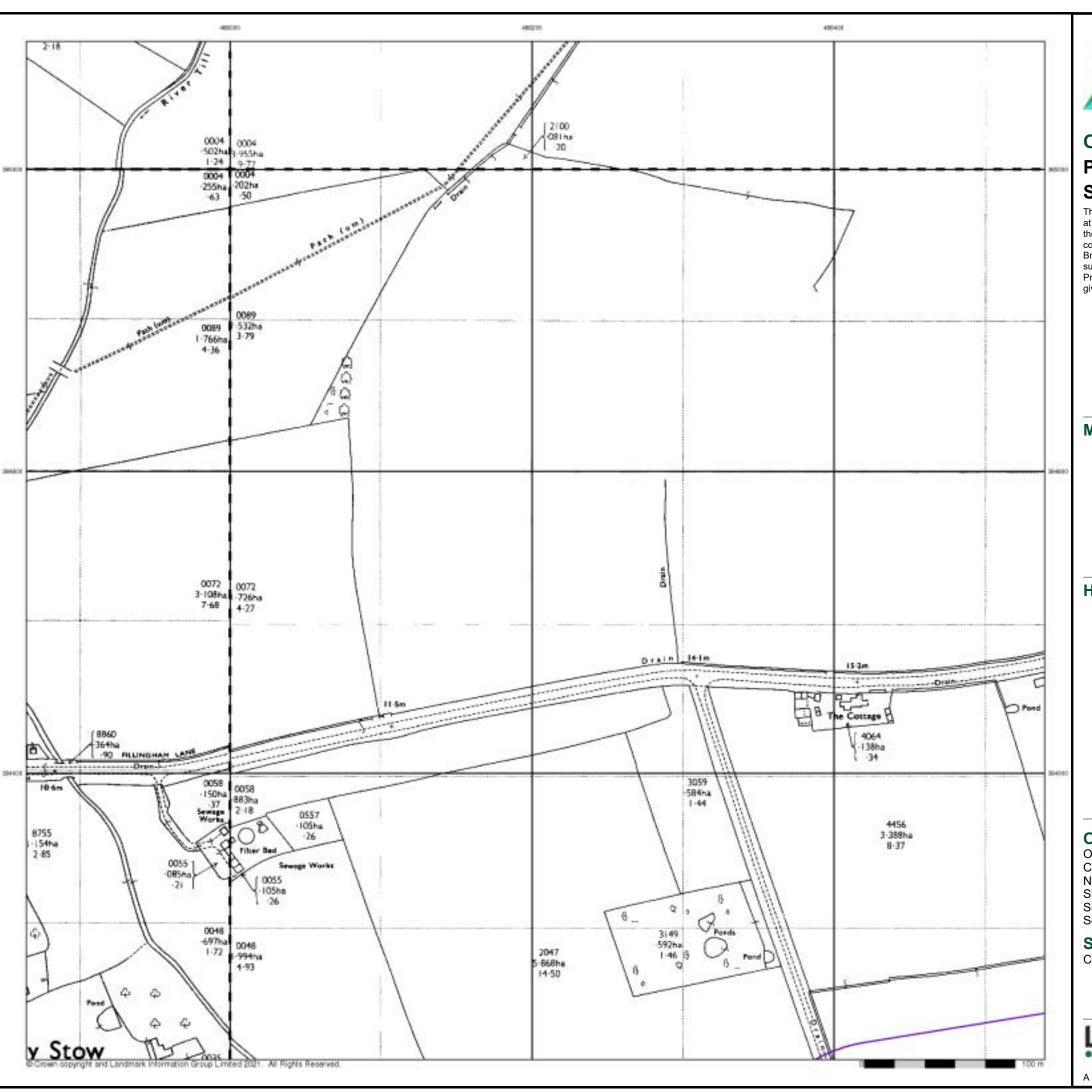
Site Area (Ha): Search Buffer (m): 884.45 100

## **Site Details**

Cottam 1



0844 844 9952





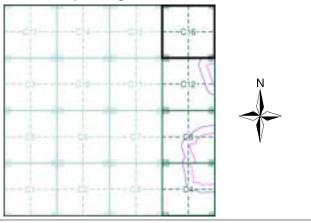
## **Ordnance Survey Plan Published 1972 - 1975** Source map scale - 1:2,500

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 surveyes of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

## Map Name(s) and Date(s)

- 1		- 1	_	_	_	ı
1	SK8785 1973	ı	15	K888 972		ı
1	1:2,500	I	1:	2,50	0	ı
		1	-	-	_	l
- 1	SK8784 1975	1	- 19	K888 975		ı
1	1:2,500	1	1:	2,50	0	I
1		1				ı

## **Historical Map - Segment C16**



#### **Order Details**

Order Number: 287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 488320, 383410 Slice:

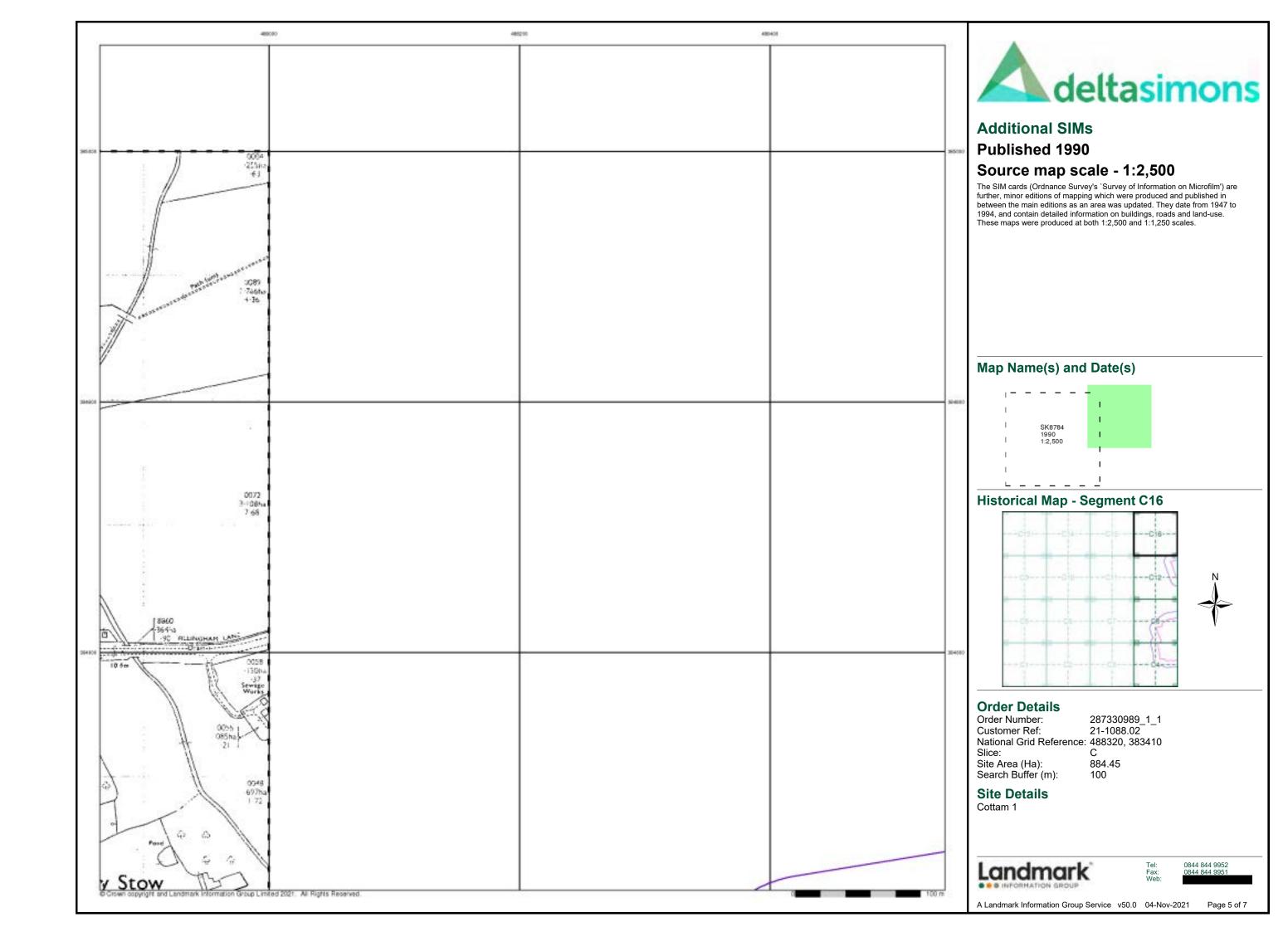
Site Area (Ha): Search Buffer (m): 884.45

## **Site Details**

Cottam 1



0844 844 9952







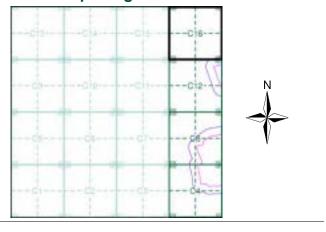
## **Large-Scale National Grid Data** Published 1994 Source map scale - 1:2,500

'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)

1	SK8785	1	SK88		ı
1	1994 1:2,500	1	1994 1:2,500		ı
1		1			- 1
_			_	_	_
1	SK8784	1	SK8		ı
1	1994 1:2,500	1	1994 1:2,5		- 1
1		1			- 1

#### **Historical Map - Segment C16**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 488320, 383410 Slice:

Site Area (Ha): Search Buffer (m): 884.45

## **Site Details**

Cottam 1



0844 844 9952

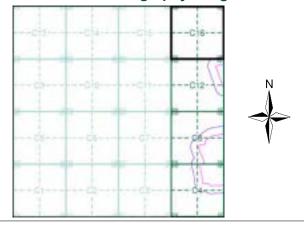




## **Historical Aerial Photography** Published 1999

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

## **Historical Aerial Photography - Segment C16**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 488320, 383410

Slice: Site Area (Ha): Search Buffer (m): 884.45 100

**Site Details** 

Cottam 1

Landmark

A Landmark Information Group Service v50.0 04-Nov-2021 Page 7 of 7

#### Other Gravel Pits Orchard Reeds Osiers Mixed Wood Brushwood Deciduous Furze Rough Pasture Arrow denotes Trigonometrical flow of water Station Site of Antiquities Bench Mark Pump, Guide Post, Well, Spring, Signal Post **Boundary Post** ·285 Surface Level Sketched Instrumental Contour Contour Fenced Fenced Main Roads Minor Roads Un-Fenced Raised Road Sunken Road Railway over Road over Ri∨er Railway Railway over Level Crossing Road Road over Road over Road over County Boundary (Geographical) County & Civil Parish Boundary Administrative County & Civil Parish Boundary County Borough Boundary (England) Co. Boro. Bdy. County Burgh Boundary (Scotland) Co. Burgh Bdy. Rural District Boundary RD. Bdy.

····· Civil Parish Boundary

**Ordnance Survey County Series 1:10,560** 

## Ordnance Survey Plan 1:10,000

Errang	Chalk Pit, Clay Pit or Quarry	000000000000000000000000000000000000000	Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap	<b>((()</b>	Lake, Loch or Pond
	Dunes		Boulders
<b>余</b> 余 久	Coniferous Trees	4	Non-Coniferous Trees
<b>ቀ</b> ቀ	Orchard no_	Scrub	∖Y₁v Coppice
ជ ជ ជ	Bracken	Heath '	Rough Grassland
<u> </u>	MarshV///	Reeds	<u>→</u> ± <u></u> Saltings
	Direc	ction of Flow of	Water
141.000 (A) 147.000 (A)	Building	15	Shingle
		*//	
छिछा	<u> </u>	*//	Sand
	Glasshouse		
		Pylon	Electricity
пиш			- Transmission
	Sloping Masonry	Pole	Line
			_
Cutting	Embankm	nent	
.,	·······		
	11 //	11	Walipic Track
Road''	'□''' Road Lev	el Foot	Standard Gauge Single Track
Under	Over Cross		9
			Siding, Tramway
			or Mineral Line
+ +	<del></del>	+ + +	→ Narrow Gauge
	Geographical Co	ounty	
	— Administrative C		Borough
	Municipal Borou Burgh or District	gh, Urban or R	ural District,
	Borough, Burgh Shown only when n		
	Civil Parish Shown alternately v	when coincidence	of boundaries occurs
BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church	PO	Post Office
СН	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB Fn	Foot Bridge Fountain	SB Spr	Signal Box
GP	Guide Post	Spr TCB	Spring Telephone Call Box
MD	Mile Poet	TCB	Telephone Call Boot

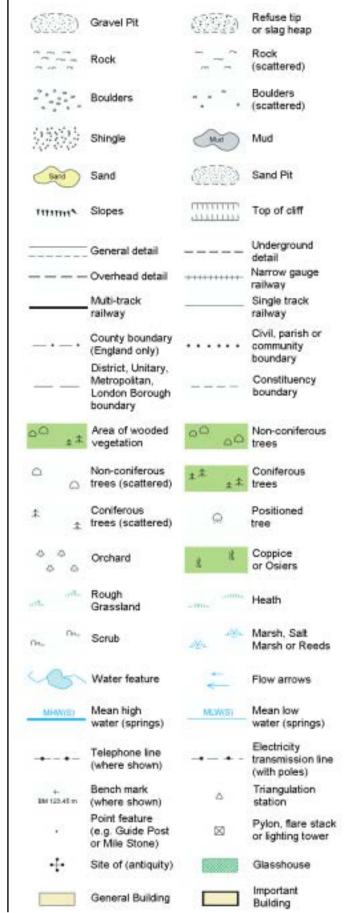
TCP

Telephone Call Post

Mile Post

Mile Stone

#### 1:10,000 Raster Mapping

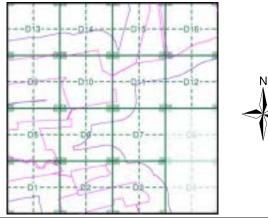




## **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:10,560	1885	2
Lincolnshire	1:10,560	1907	3
Lincolnshire	1:10,560	1907	4
Lincolnshire	1:10,560	1947	5
Ordnance Survey Plan	1:10,000	1956	6
Ordnance Survey Plan	1:10,000	1970 - 1979	7
Ordnance Survey Plan	1:10,000	1980 - 1981	8
10K Raster Mapping	1:10,000	2000	9
10K Raster Mapping	1:10,000	2006	10
VectorMap Local	1:10,000	2021	11

## **Historical Map - Slice D**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 489670, 383750

Slice:

D Site Area (Ha): 884.45 Search Buffer (m): 250

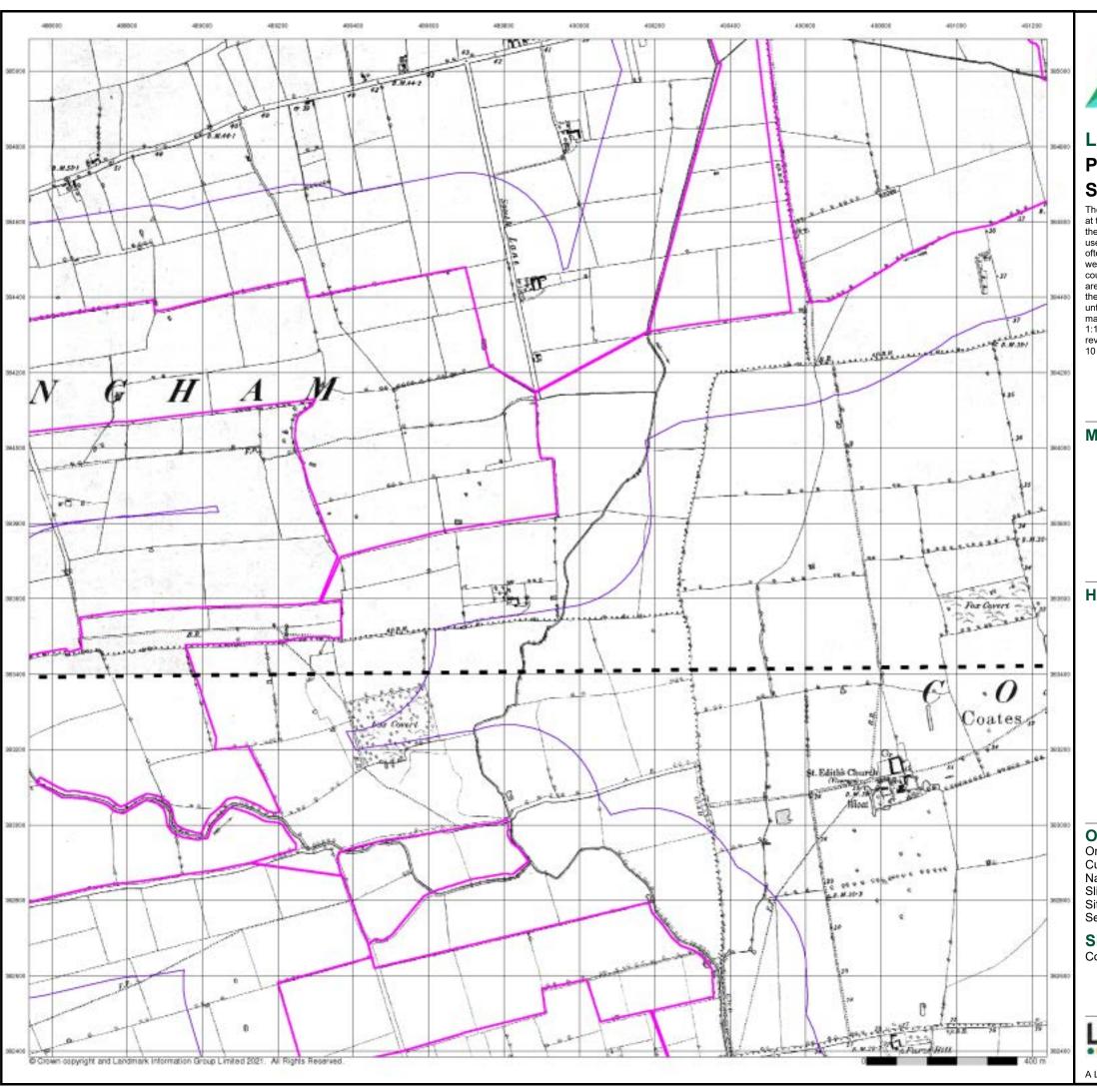
**Site Details** 

Cottam 1



0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021 Page 1 of 11

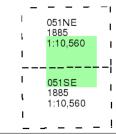




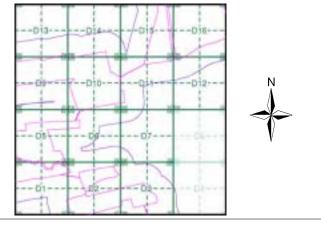
## Published 1885 Source map scale - 1:10,560

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 D**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 Customer Ref: National Grid Reference: 489670, 383750 Slice:

Site Area (Ha): Search Buffer (m): 884.45 250

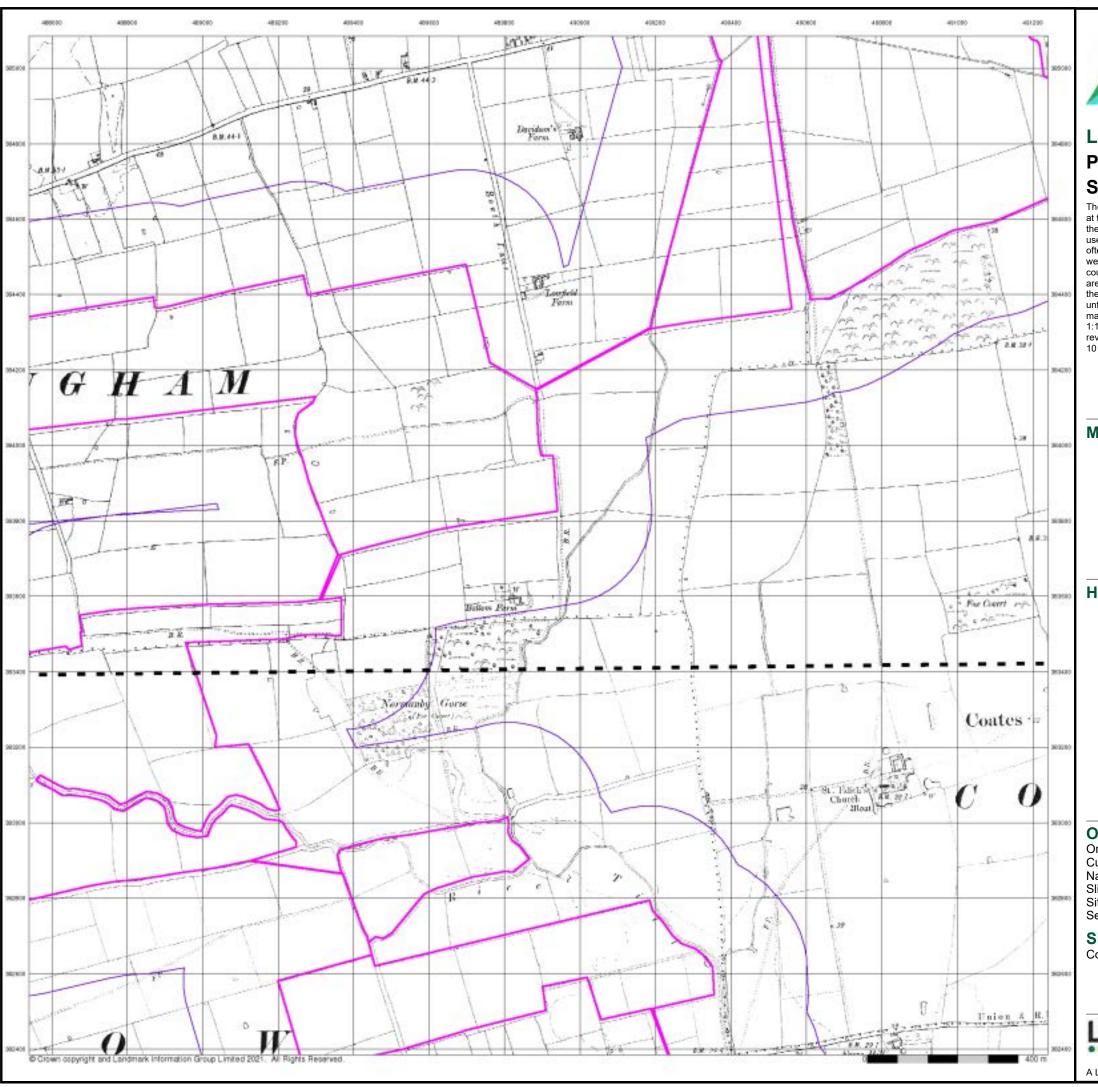
## **Site Details**

Cottam 1

Landmark

0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021 Page 2 of 11

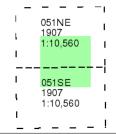




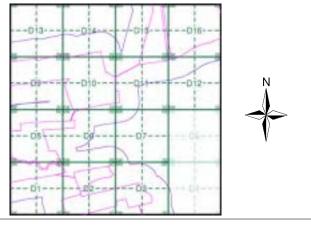
## Lincolnshire **Published 1907** Source map scale - 1:10,560

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 D**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 Customer Ref: National Grid Reference: 489670, 383750 Slice:

Site Area (Ha): Search Buffer (m): 884.45 250

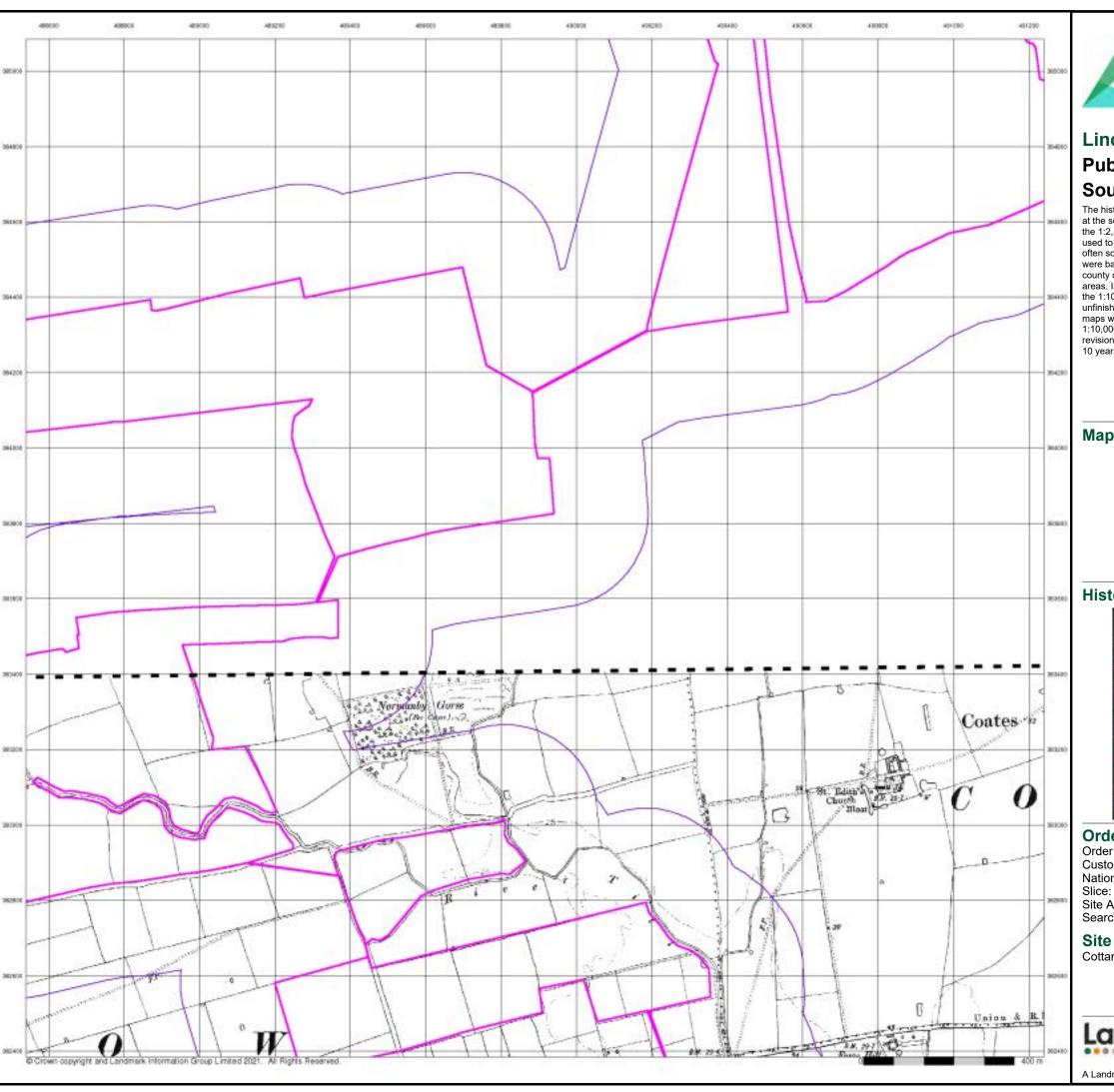
## **Site Details**

Cottam 1



0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021 Page 3 of 11



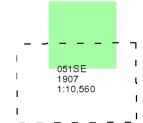


## **Published 1907**

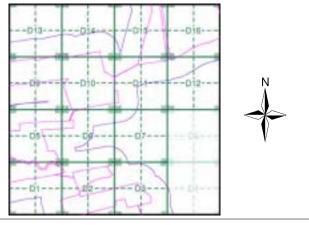
## Source map scale - 1:10,560

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 D**



#### **Order Details**

Order Number: 287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 489670, 383750

Site Area (Ha): Search Buffer (m): 884.45 250

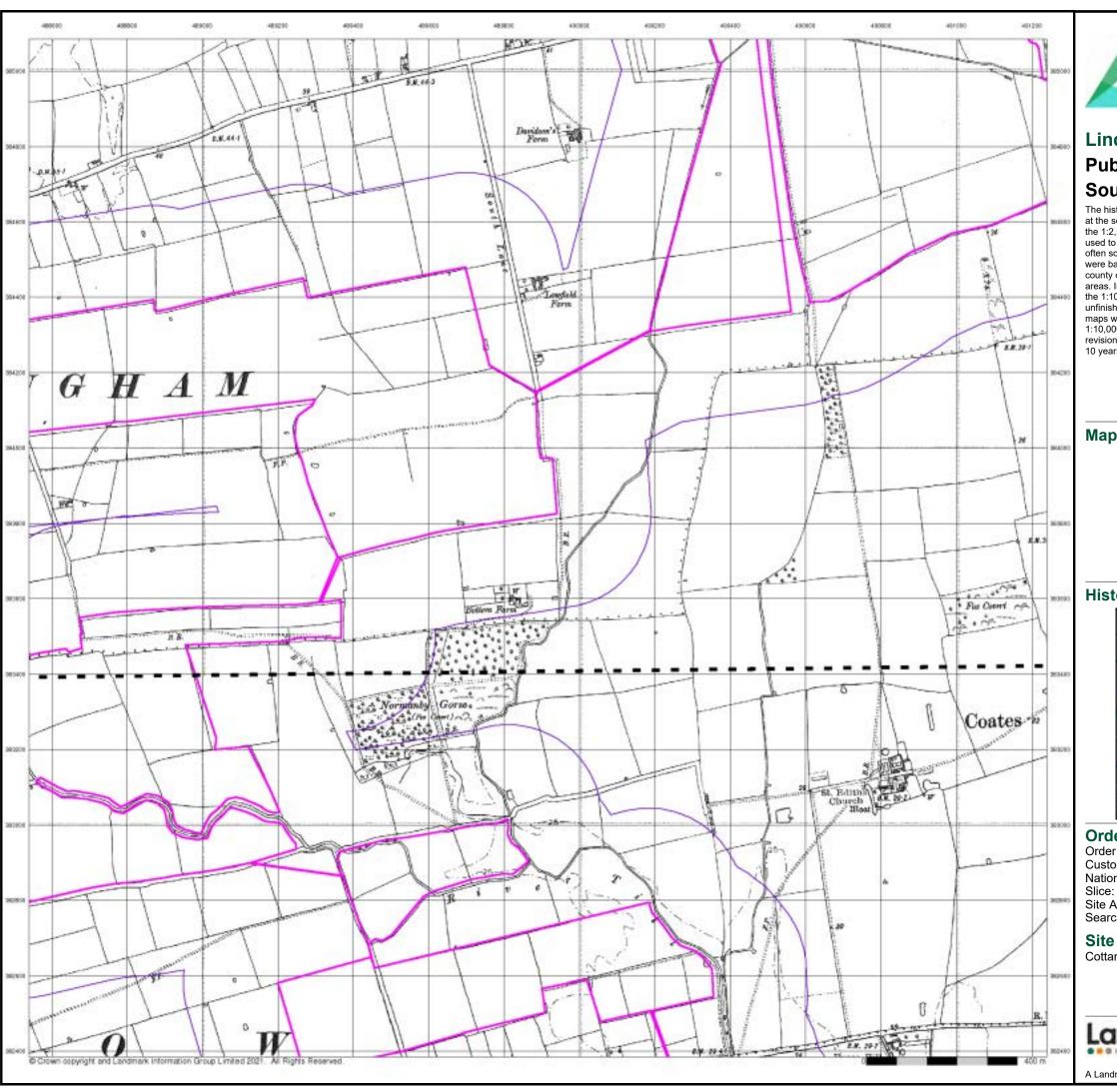
## **Site Details**

Cottam 1



0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021 Page 4 of 11

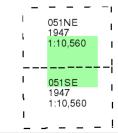




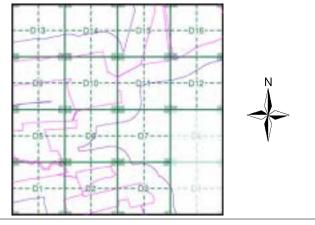
## **Published 1947** Source map scale - 1:10,560

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 D**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 Customer Ref: National Grid Reference: 489670, 383750

Site Area (Ha): Search Buffer (m): 884.45 250

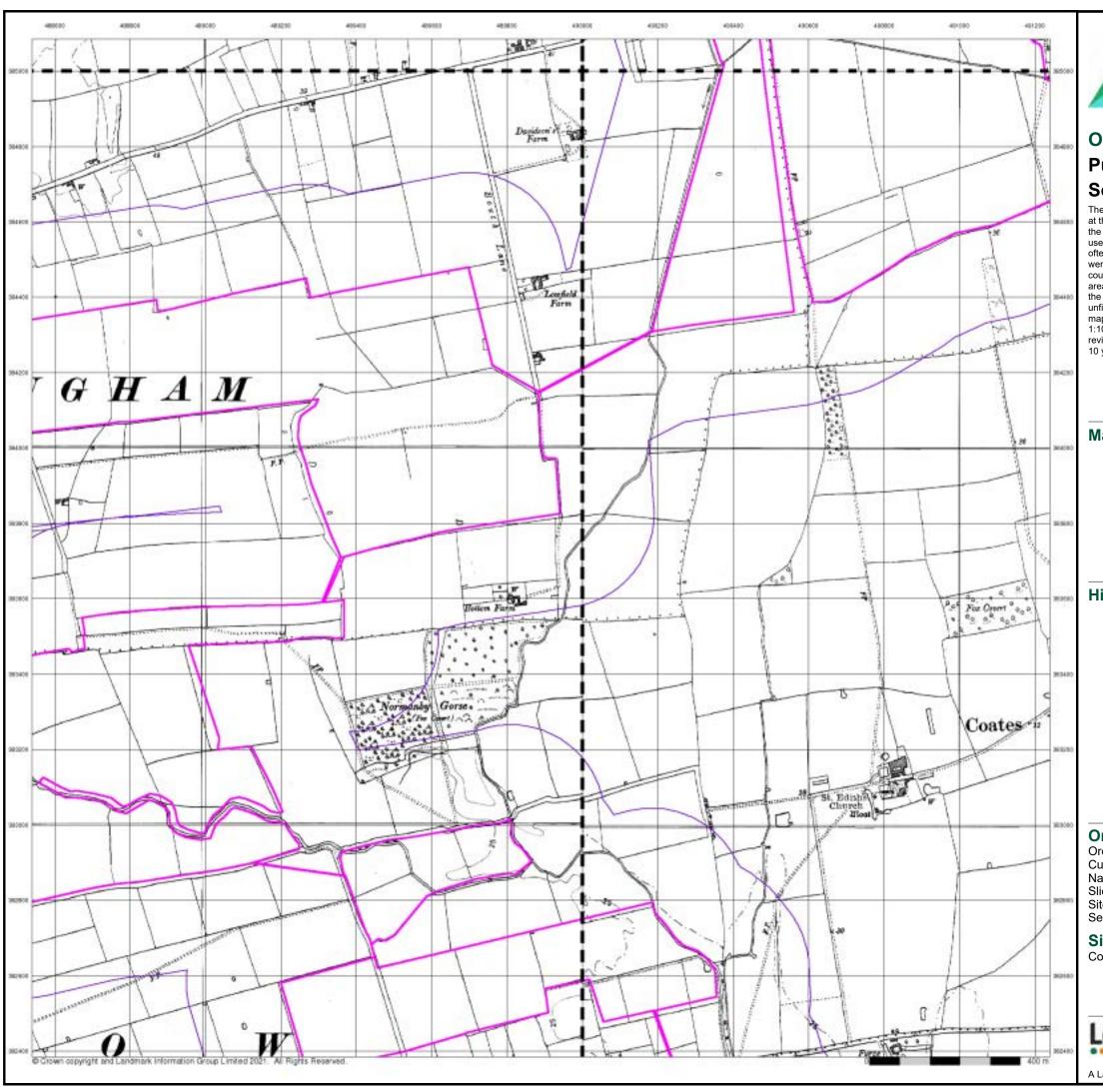
## **Site Details**

Cottam 1



0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021 Page 5 of 11





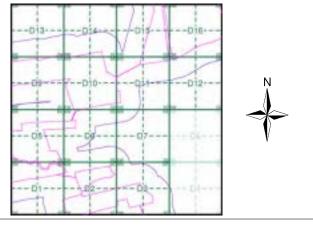
## **Ordnance Survey Plan** Published 1956 Source map scale - 1:10,000

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)

_	_	_			_	_	_
I	SK88	BNE	- 1	S	K98	BNW	ı
1	1956		-1		956 10	560	ı
I	1.10	,000	-1			,000	ı
_	_	-			_	_	_
I	SK88	BSE	-1	S	K9	8SW	ı
1	1956		1		956		ı
I	1:10	,560	1	1	:10	,560	ı

#### **Historical Map - Slice D**



#### **Order Details**

Order Number: 287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 489670, 383750 Slice:

Site Area (Ha): Search Buffer (m): 884.45

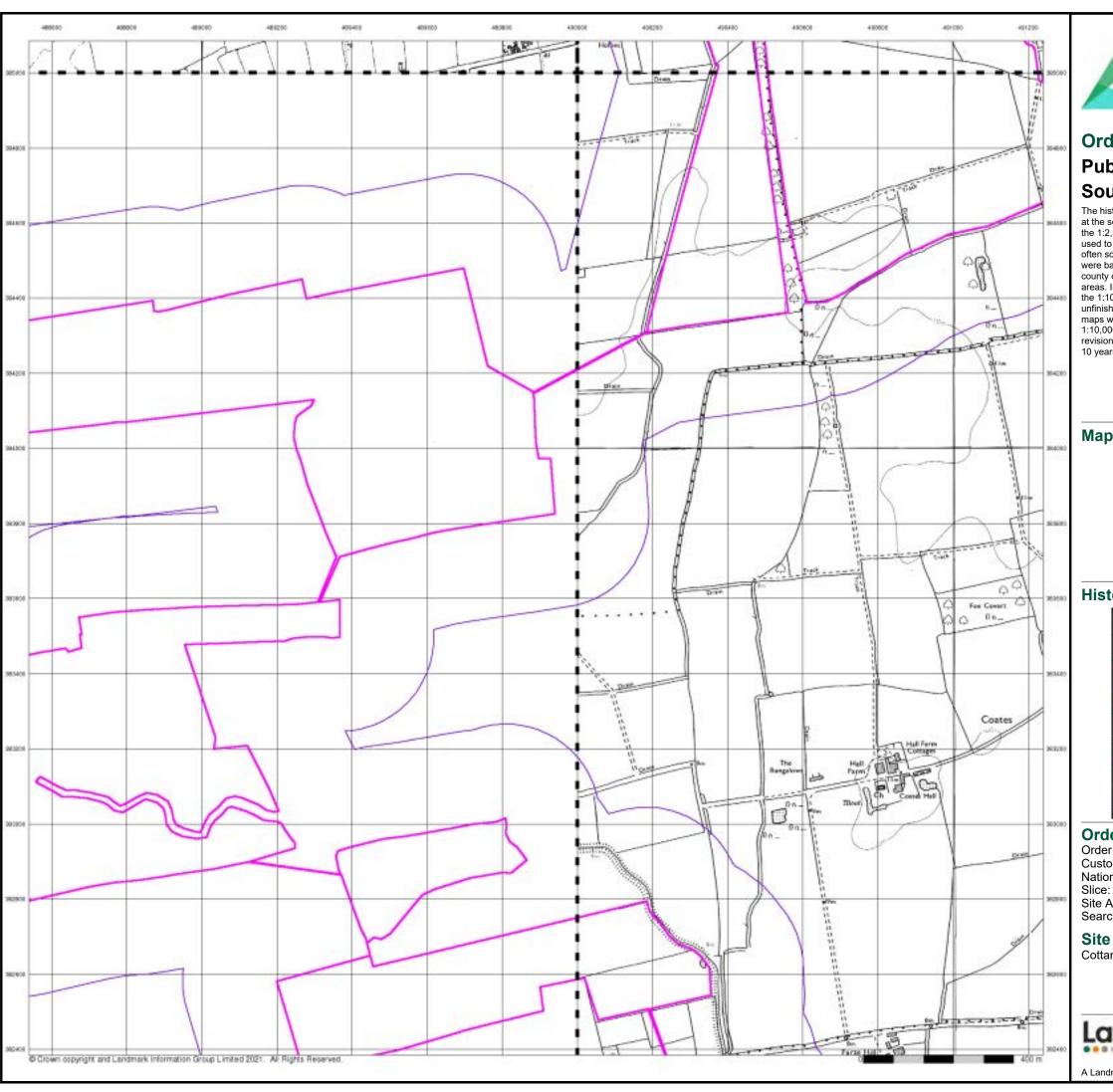
## **Site Details**

Cottam 1



0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021 Page 6 of 11

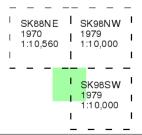




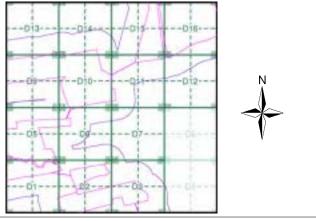
# **Ordnance Survey Plan Published 1970 - 1979** Source map scale - 1:10,000

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 D**



### **Order Details**

Order Number: 287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 489670, 383750

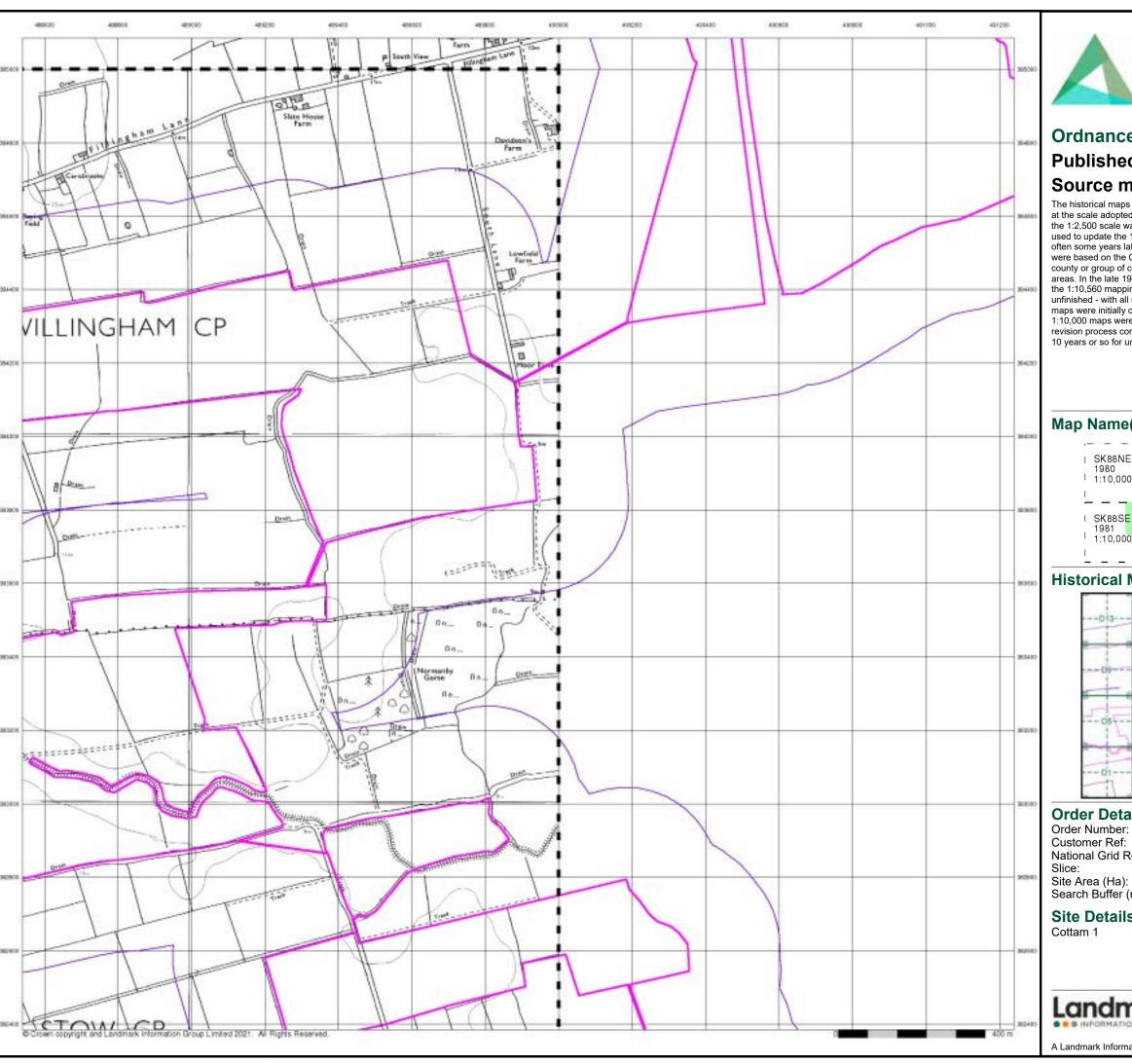
Site Area (Ha): Search Buffer (m): 884.45

## **Site Details**

Cottam 1



0844 844 9952

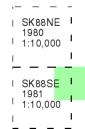




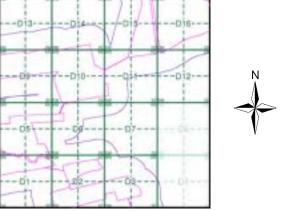
# **Ordnance Survey Plan** Published 1980 - 1981 Source map scale - 1:10,000

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 D**



### **Order Details**

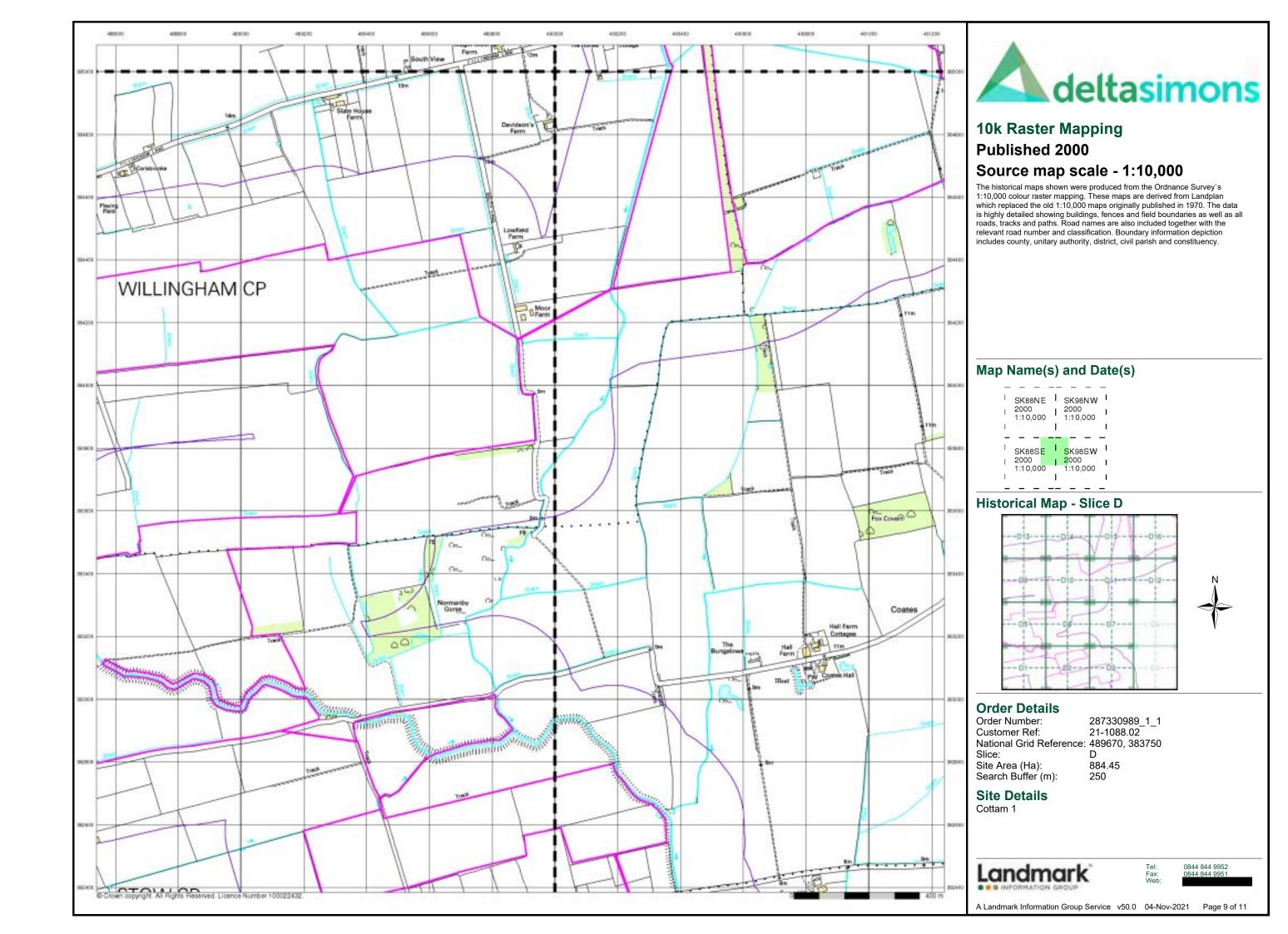
287330989\_1\_1 21-1088.02 Customer Ref: National Grid Reference: 489670, 383750

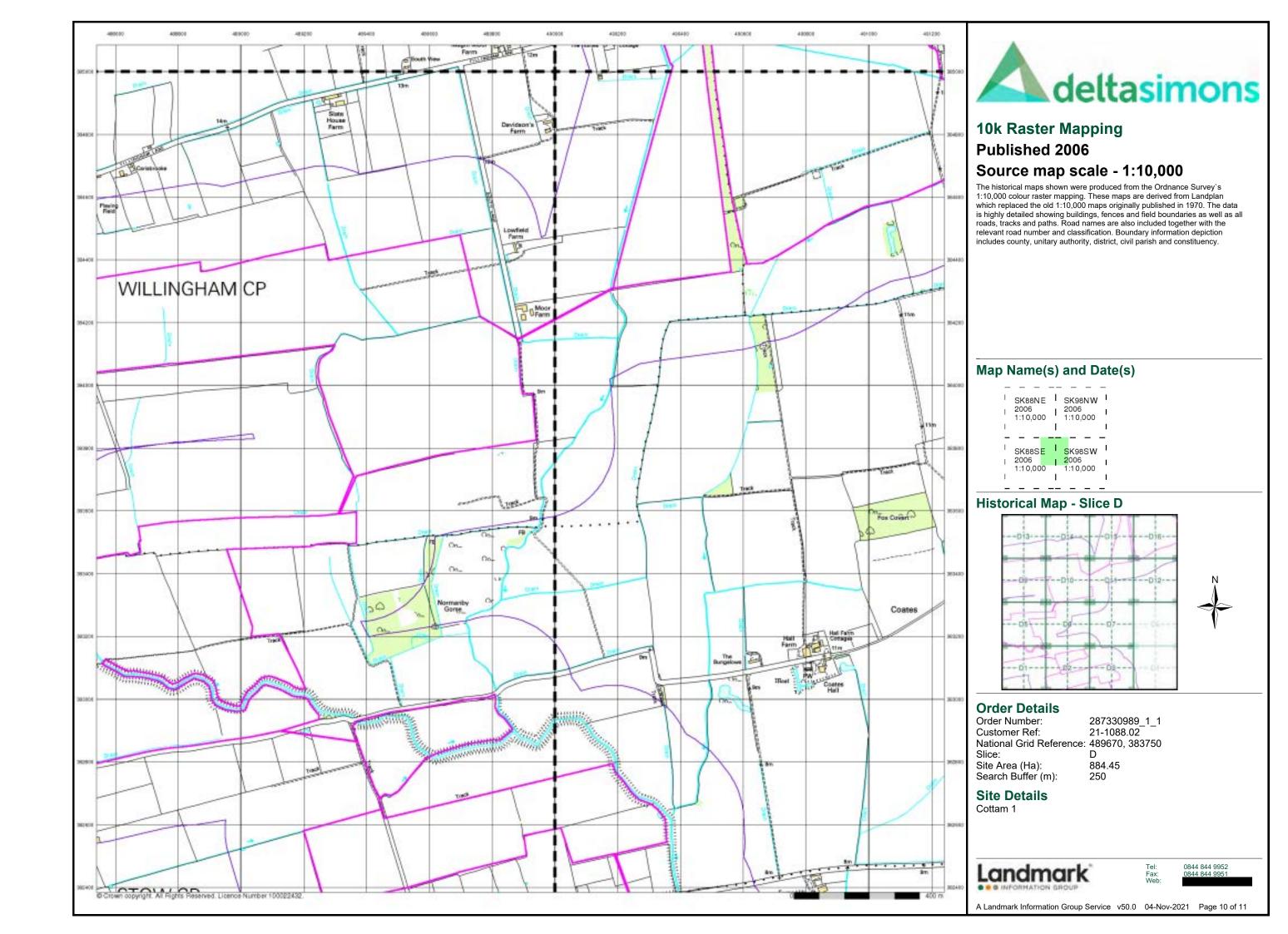
Site Area (Ha): Search Buffer (m): 884.45

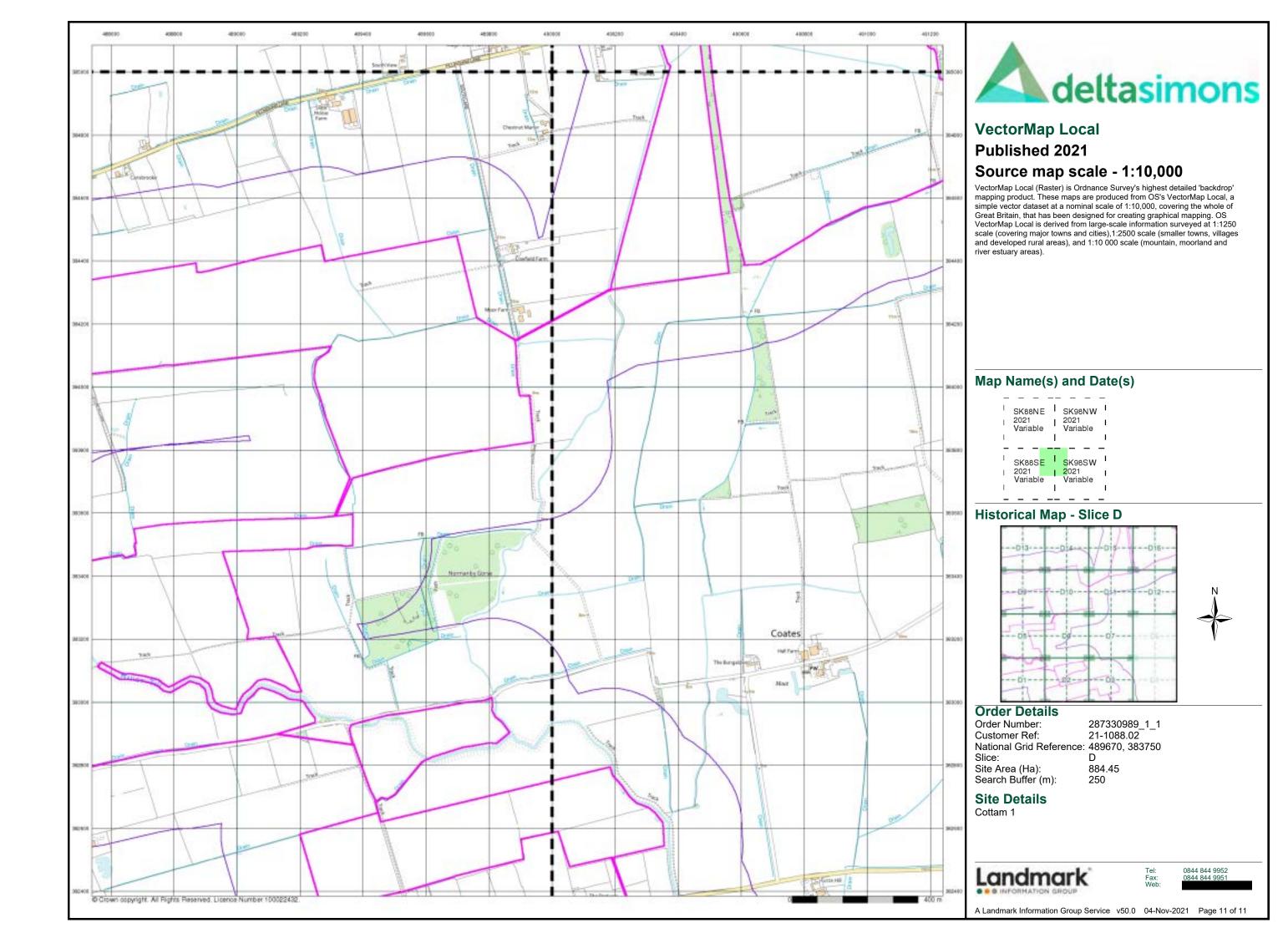
## **Site Details**



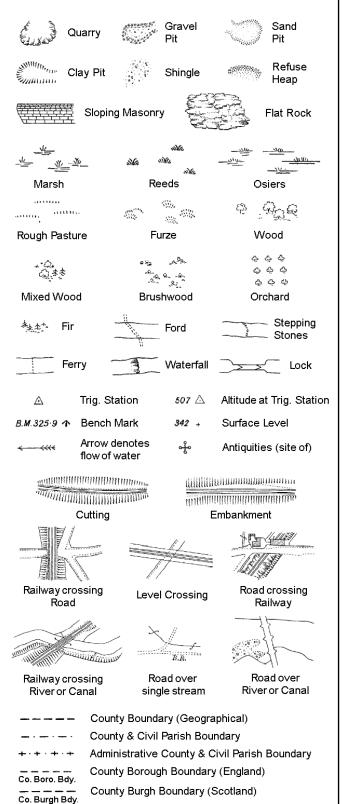
0844 844 9952







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



B.R.

E.P

F.B.

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

Trough

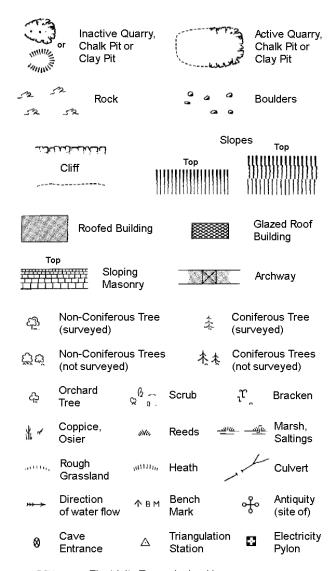
Well

S.P

Sl.

Tr:

### Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



**Electricity Transmission Line** 

	County Boundary (Geographical)
. — . — .	County & Civil Parish Boundary
	Civil Parish Boundary
· <del></del> · ·	Admin. County or County Bor. Boundary
L B Bdy	London Borough Boundary
N. T.	Symbol marking point where boundary mereing changes

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

GVC

Gas Governer

Mile Post or Mile Stone

**Guide Post** 

Manhole

Wd Pp

Wind Pump Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

# 1:1,250

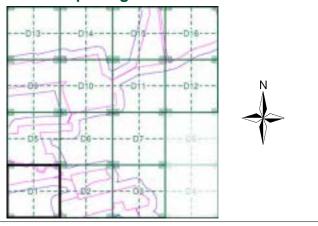
			Slo	opes .	T
رنعائد	لكنابك		Тор	1111111	Top 
	Cliff	1111			11111111111
,					
523	Rock		7,5	Rock (sc	attered)
$\triangle_{\triangle}$	Boulders		Δ	Boulders	(scattered)
	Positioned	Boulder		Scree	
<u>년</u>	Non-Conif (surveyed	erous Tree )	\$	Conifero	
ర్లోల్లే	Non-Conif (not surve	erous Trees yed)	* **	Conifero	ous Trees veyed)
දා	Orchard Tree	Q a.	Scrub	Jr,	Bracken
* ~	Coppice, Osier	siVe.	Reeds 🛥	16. — <i>1</i> 1)[6.	Marsh, Saltings
actities,	Rough Grassland	1111111 <sub>11</sub> ,	Heath	1	Culvert
<del>&gt;&gt;&gt; →</del>	Direction of water flo	Δ ow	Triangulatior Station	ુ નું	Antiquity (site of)
_ E T L _	_ Electric	ity Transmis	ssion Line	$\boxtimes$	Electricity Pylon
\ <del> </del>	231.60m E	Bench Mark	7	Building Building	
	Roofe	ed Building		251	azed Roof ilding
		Civil nariah	/community b	. aum dam	
· <u>·</u>		District box		ouridary	
			-		
_ •		County bou			
¢		Boundary p	ost/stone		
٨		-	mereing symb ear in oppose		
Bks	Barracks		Р	Pillar, Pol	e or Post
Bty	Battery		PO	Post Offic	ce
Cemy	Cemetery		PC	Public Co	onvenience
Chy	Chimney		Pp	Pump	<b>-</b>
Cis	Cistern	4. J.D. "	Ppg Sta	Pumping	
Dismtd F El Gen S	•	tled Railway ity Generating	PW Sewage P	Place of V	Worship wage
LI Gell 3	Station	icy Generating	Gewage F		wage Imping Station
EIP	•	Pole, Pillar	SB, S Br	Signal Bo	ox or Bridge
	ta Electricity	Sub Station	SP, SL	Signal Po	ost or Light
FB	Filter Bed	=	Spr	Spring	
Fn / D Fr		Drinking Ftn.	Tk Tr	Tank or T	rack
Gas Gov	Gas vaive	Compound	11	Trough	



### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1975	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

## **Historical Map - Segment D1**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 489670, 383750 Slice:

Site Area (Ha):

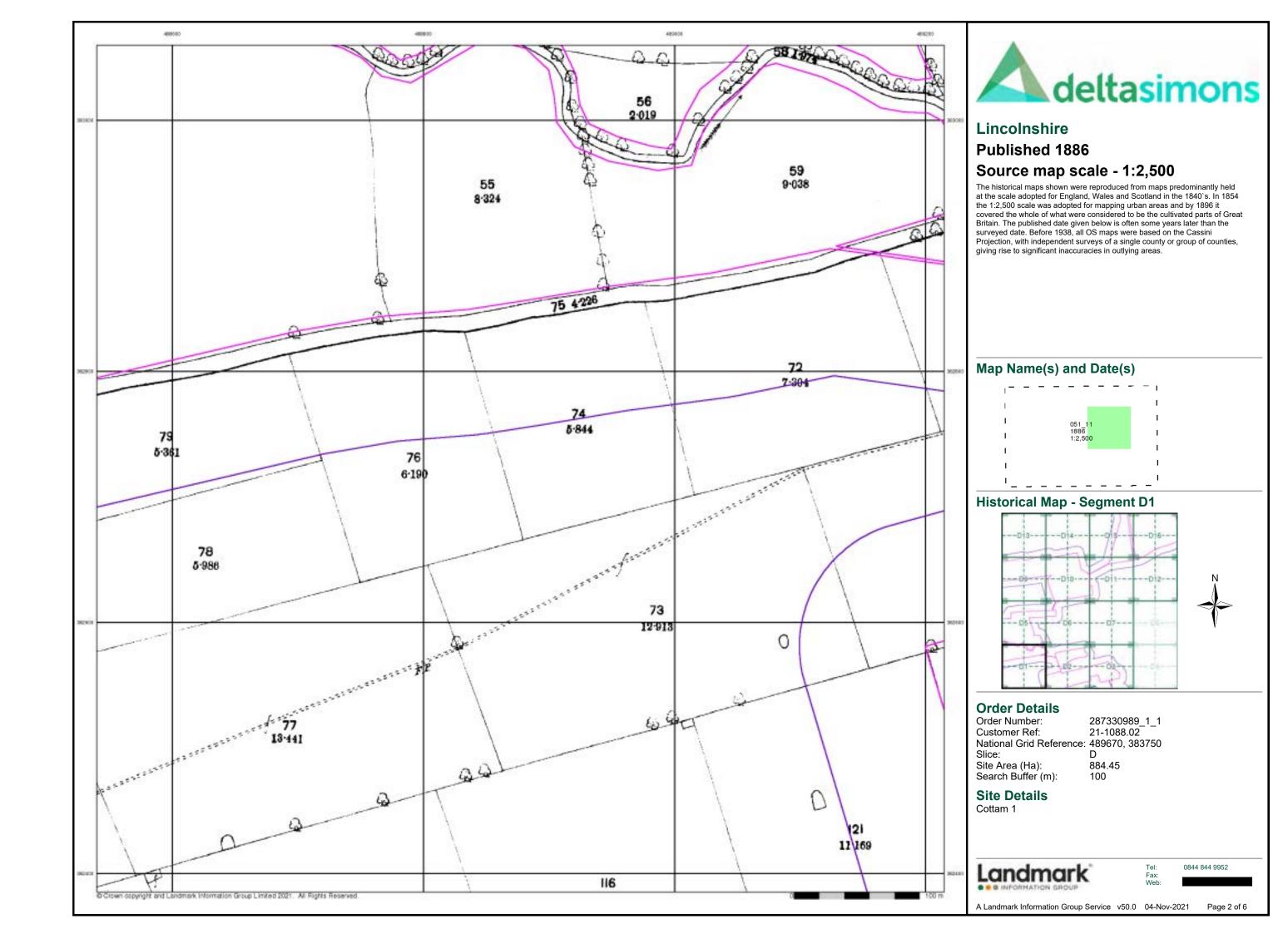
884.45 Search Buffer (m):

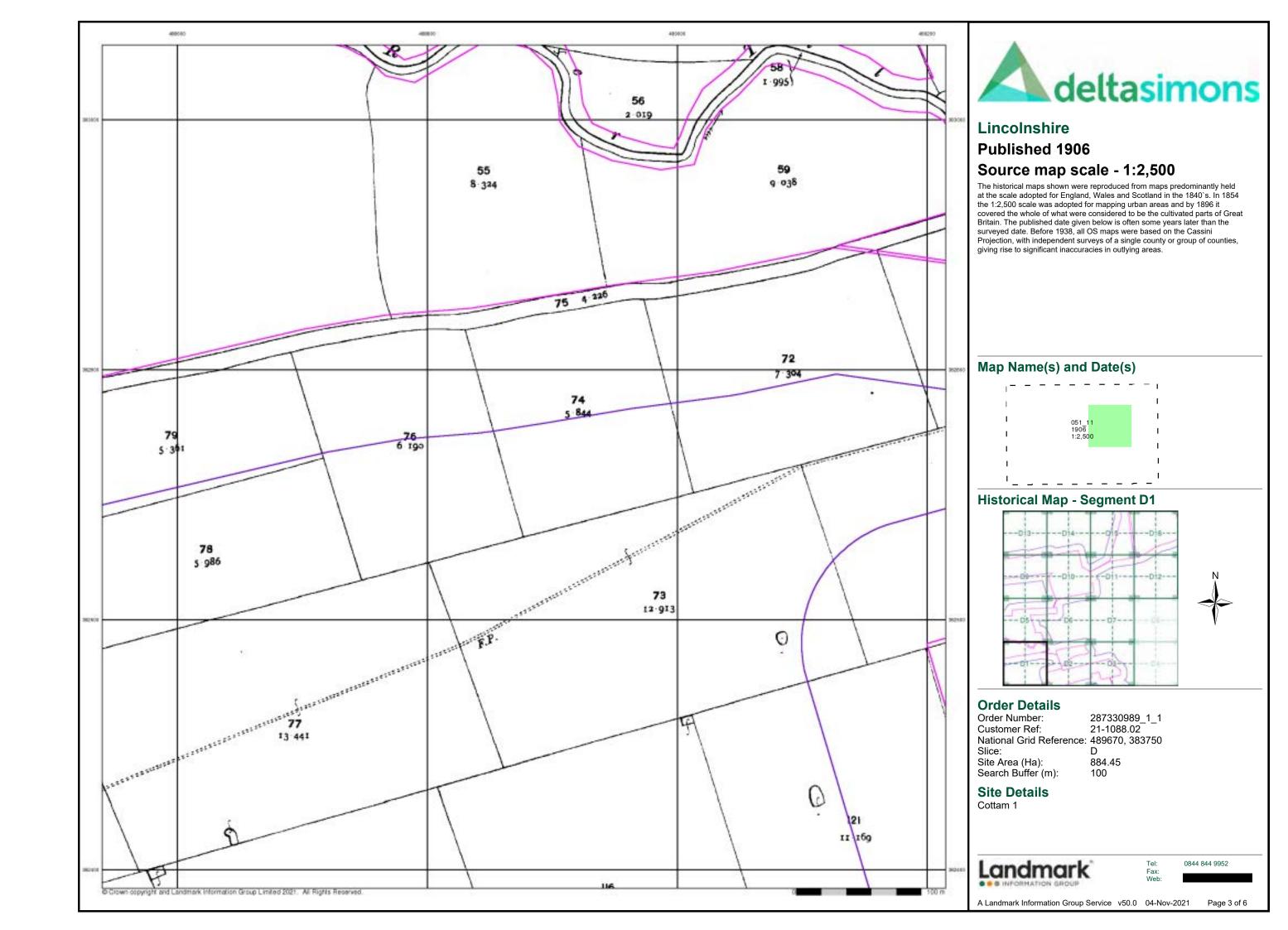
**Site Details** 

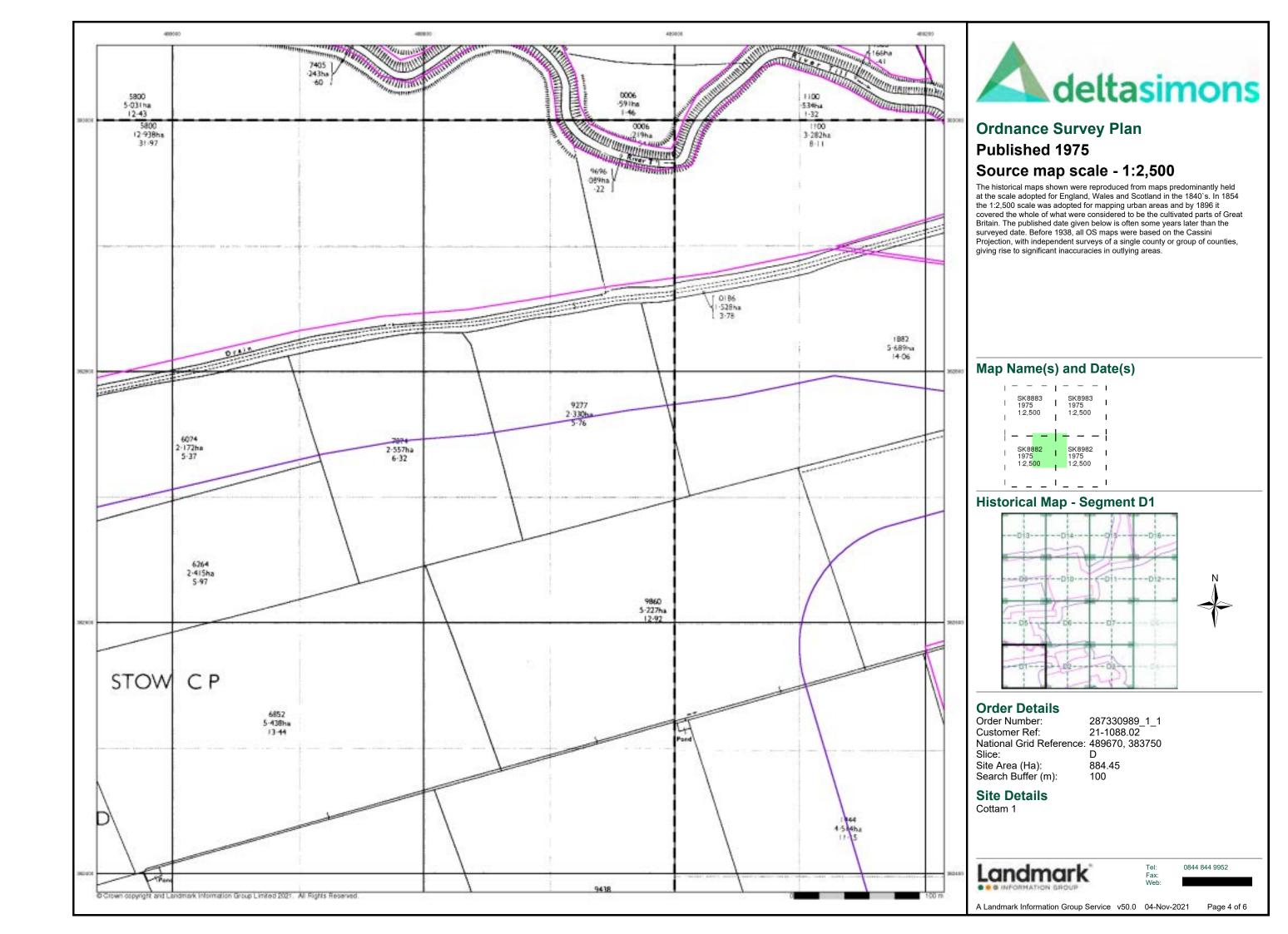
Cottam 1

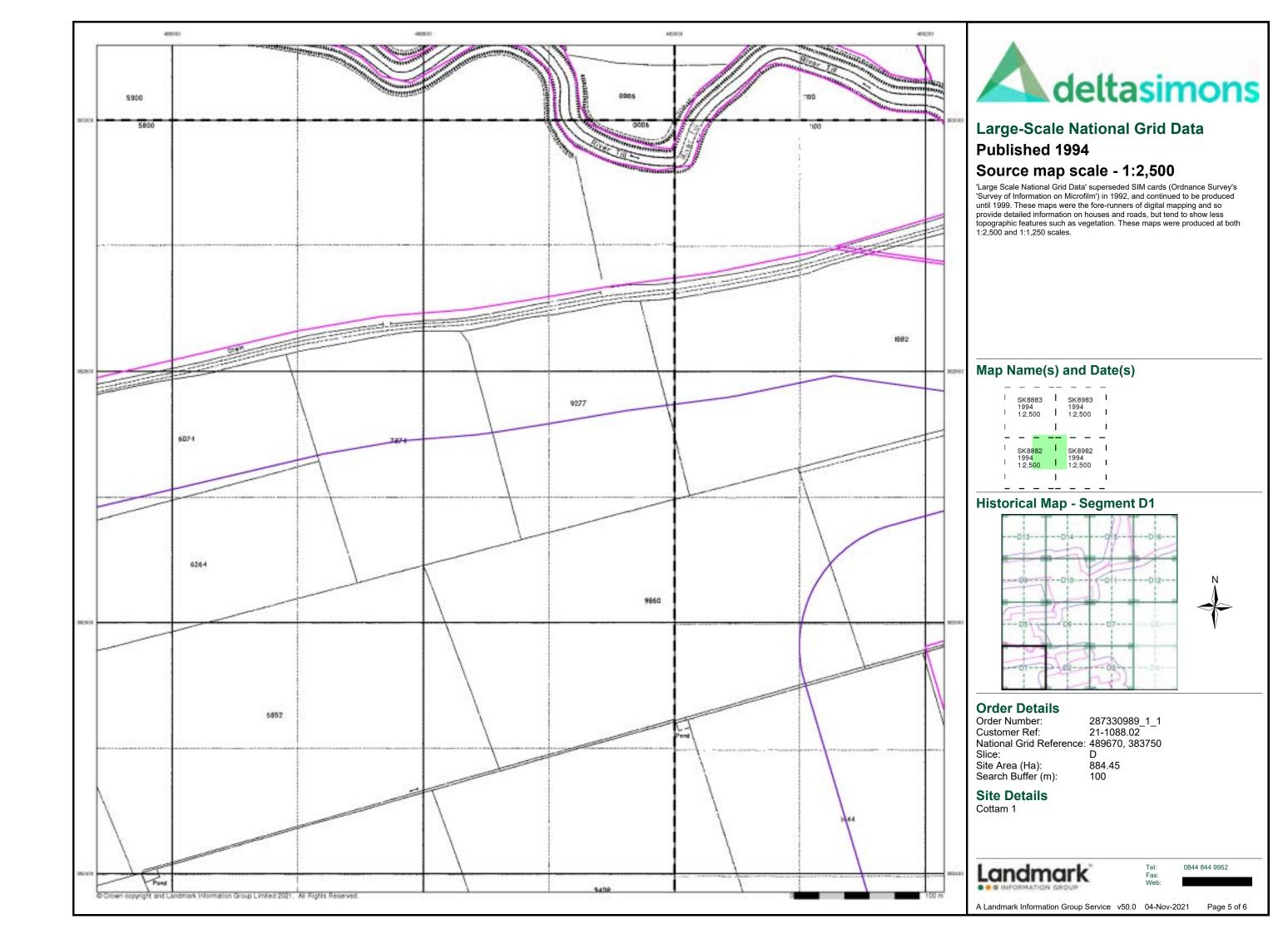


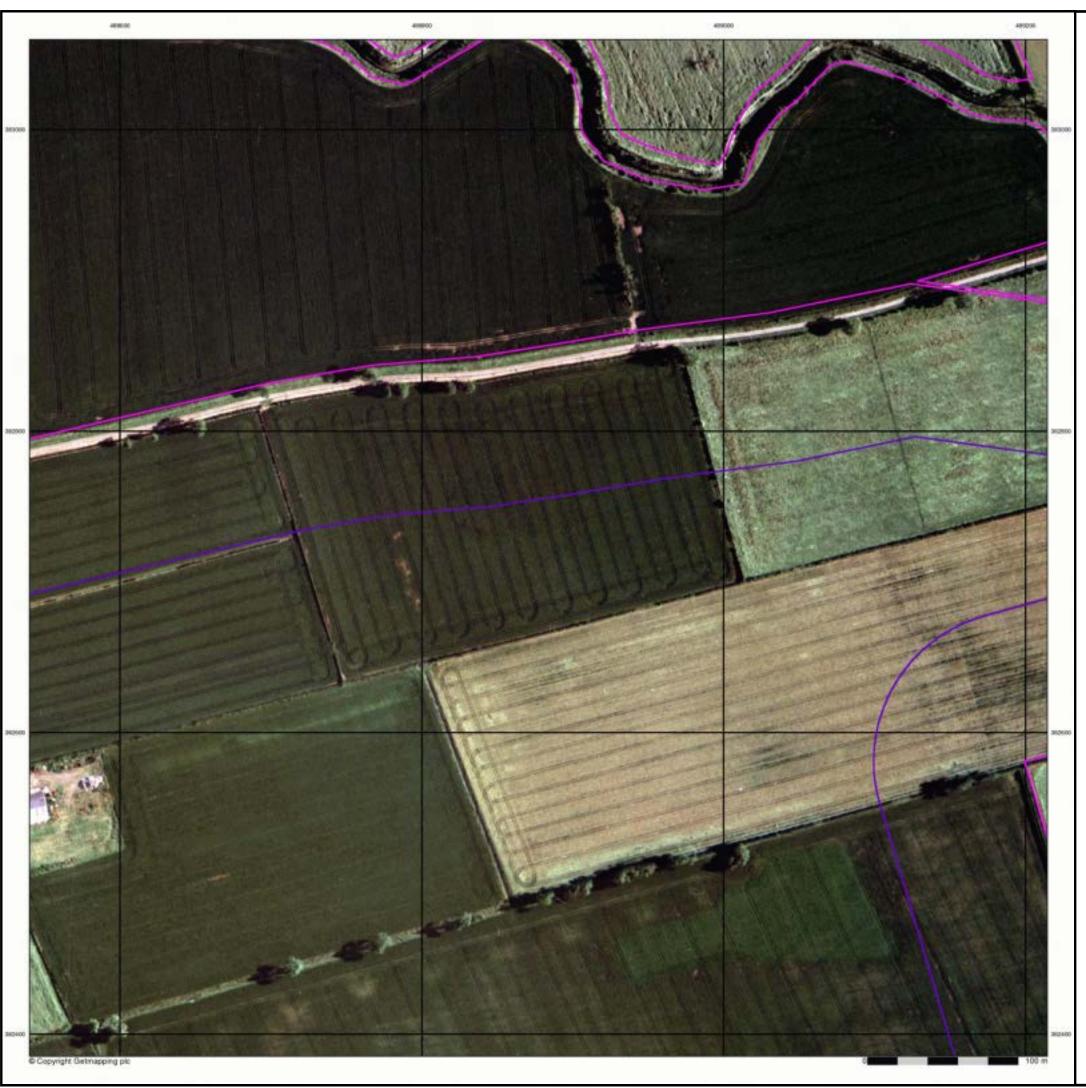
0844 844 9952







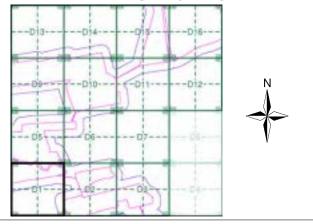






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

### **Historical Aerial Photography - Segment D1**



### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 489670, 383750

Slice:

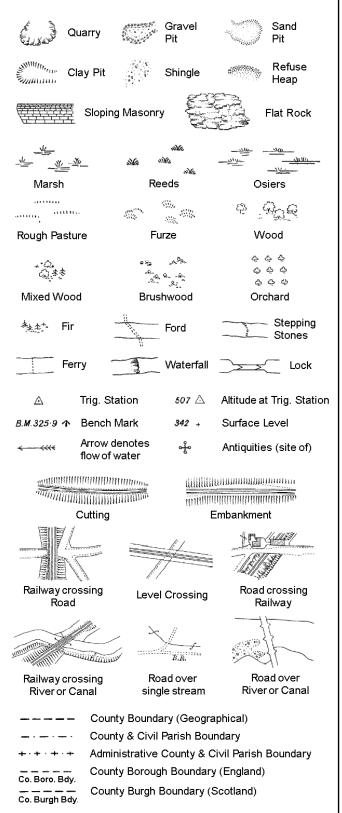
Site Area (Ha): Search Buffer (m): 884.45 100

**Site Details** Cottam 1

Landmark

0844 844 9952

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



B.R.

E.P

F.B.

M.S

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

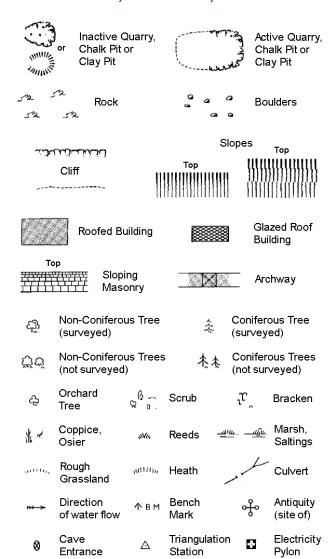
Trough Well

S.P

Sl.

Tr:

### Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



**Electricity Transmission Line** 

County Boundary (Geographical) County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary mereing changes

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

# 1:1,250

		Slo	pes
	 ئائىنىل	Тор	Top
	Cliff		))))))))
			11111111111111111
523	Rock	7,3	Rock (scattered)
$\Box$	Boulders	<i>D</i>	Boulders (scattered)
	Positioned Boulder		Scree
ফ্র	Non-Coniferous Tree (surveyed)	-1-	Coniferous Tree (surveyed)
ర్గొల్	Non-Coniferous Trees (not surveyed)	春春	Coniferous Trees (not surveyed)
දා	Orchard $Q = Q = Q = Q = Q = Q = Q = Q = Q = Q $	crub	<sub>ໃ</sub> ເຼື Bracken
* ~	Coppice, A Re	eeds 📲	س Marsh, Saltings
artte.	Rough ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	eath	Culvert
<del>&gt;&gt;&gt; →</del>		iangulation ation	Antiquity (site of)
_ E_TL _	Electricity Transmissio	on Line	⊠ Electricity Pylon
<b>/</b> €/ вм	ı 238.60m Bench Mark		Buildings with Building Seed
	Roofed Building		Glazed Roof Building
· ·	Civil parish/co     District bound	-	oundary
_ •	- County bound	ary	
9	Boundary pos	t/stone	
×			ol (note: these ed pairs or groups
Bks	Barracks	Р	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy Cis	Chimney Cistern	Pp Ppg Sta	Pump Pumping Station
Dismtd F		PW PW	Place of Worship
El Gen S		Sewage P	
EIP	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
	ita Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fr	n Fountain / Drinking Ftn.	Tk	Tank or Track

Gas Valve Compound

Mile Post or Mile Stone

Gas Governer

**Guide Post** 

Manhole

Tr

Wd Pp

Wks

Trough

Wind Pump Wr Pt. Wr T Water Point, Water Tap

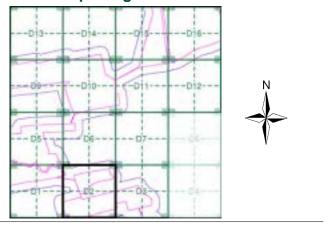
Works (building or area)



### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1975	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

## **Historical Map - Segment D2**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 489670, 383750 Slice:

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

### **Site Details** Cottam 1

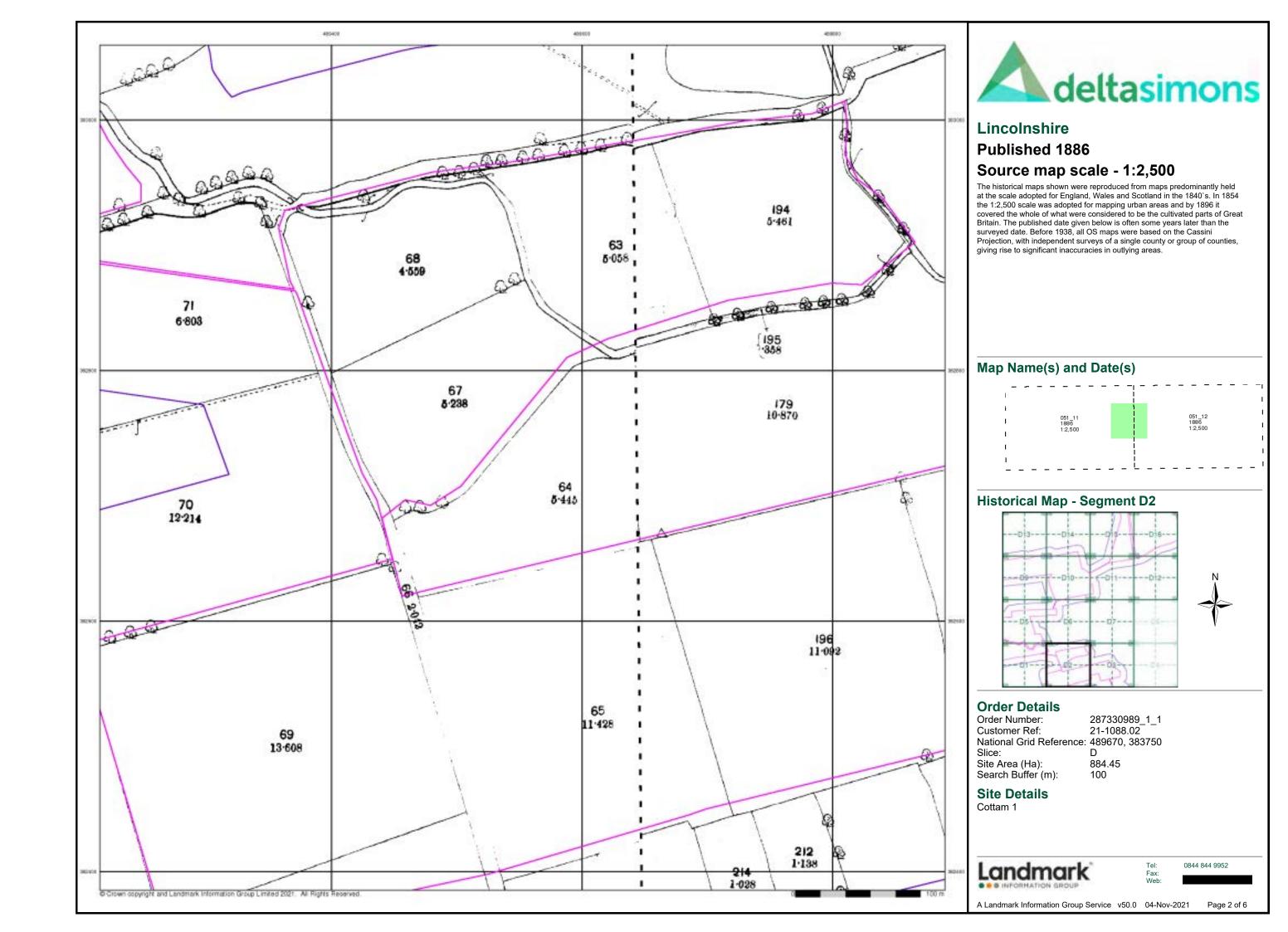
Landmark

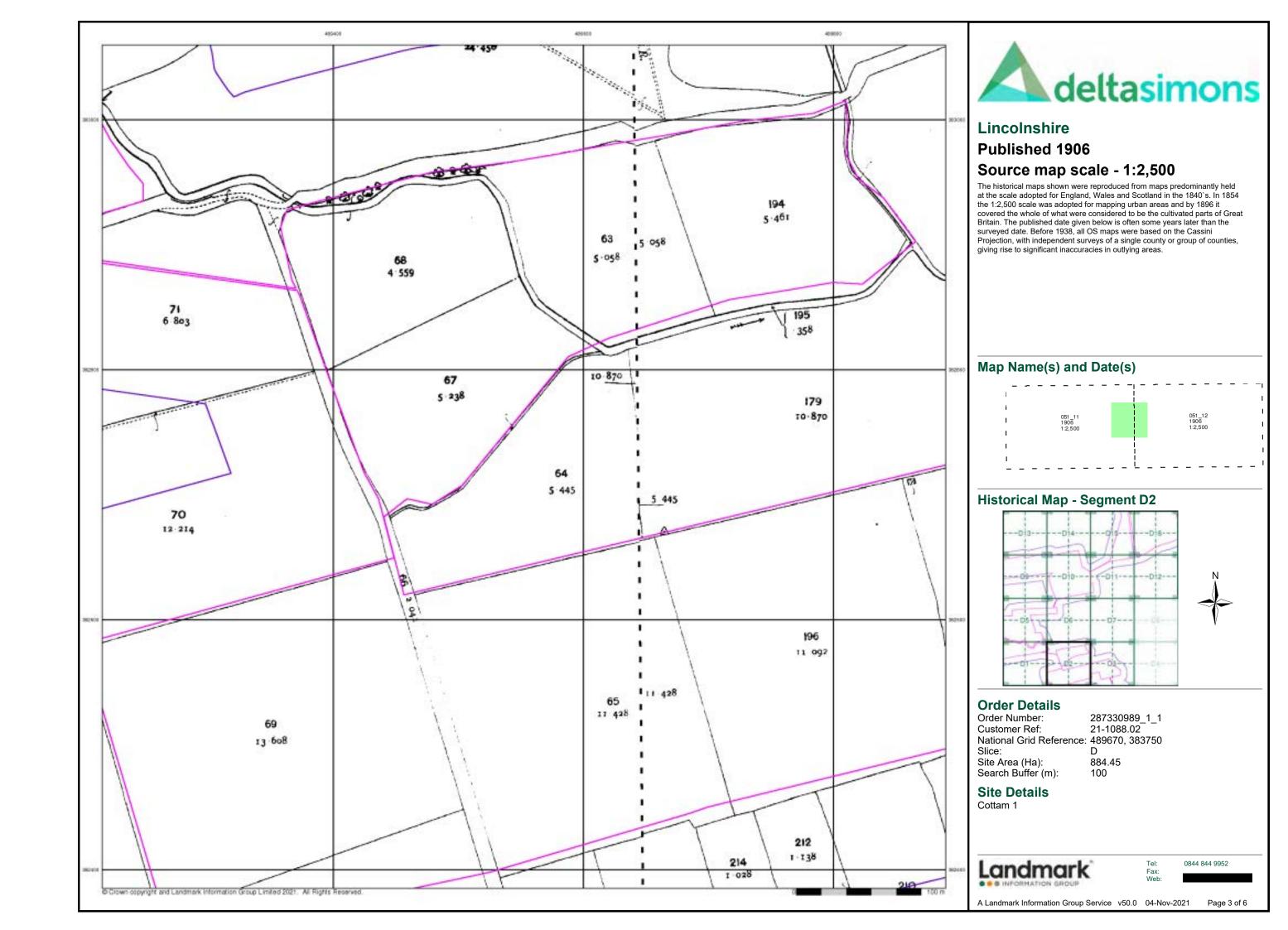
0844 844 9952

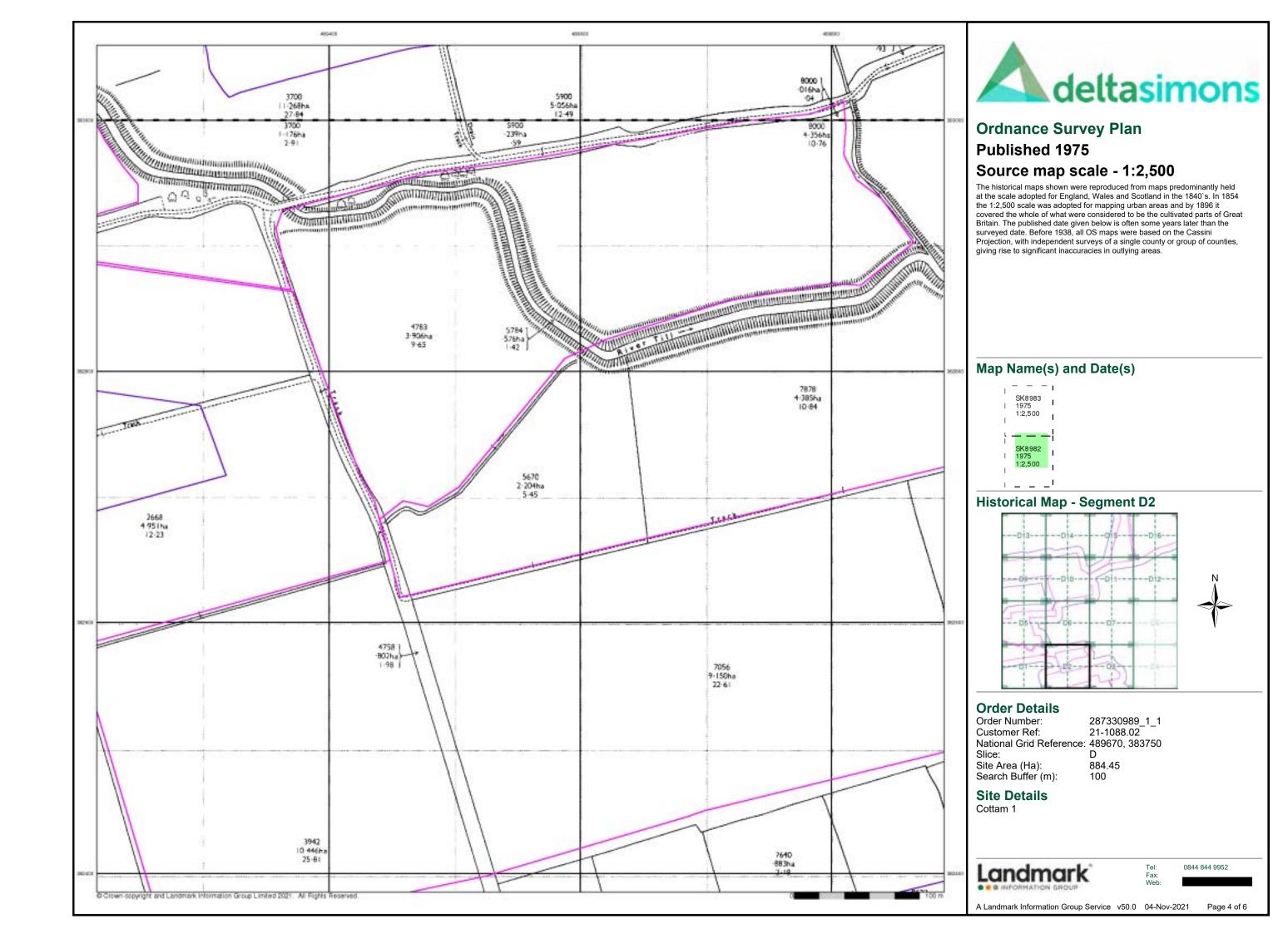
A Landmark Information Group Service v50.0 04-Nov-2021

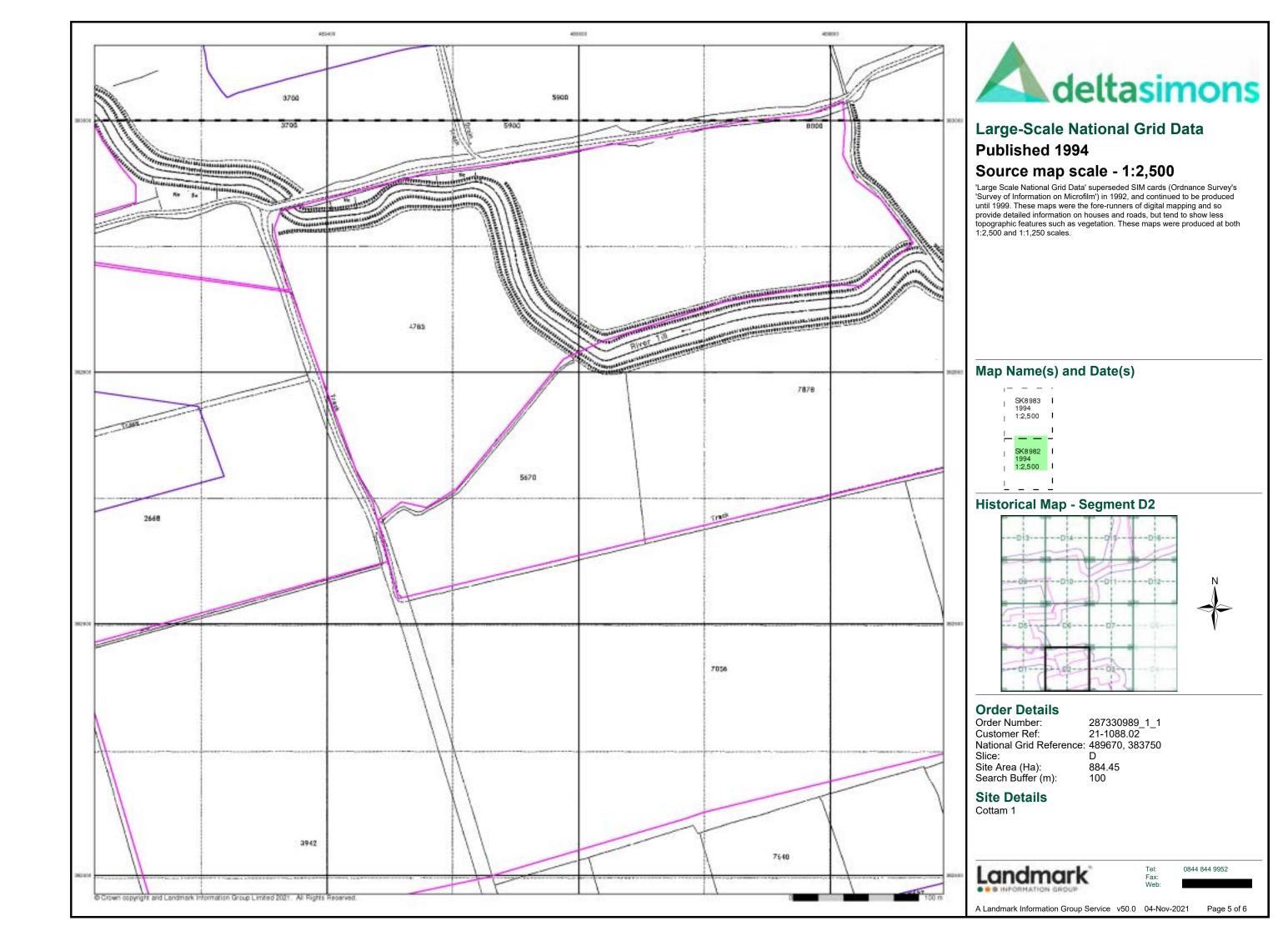
884.45

Page 1 of 6







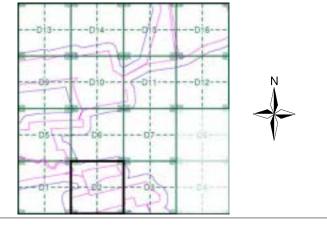






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

### **Historical Aerial Photography - Segment D2**



### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 489670, 383750

Slice: Site Area (Ha): Search Buffer (m): 884.45 100

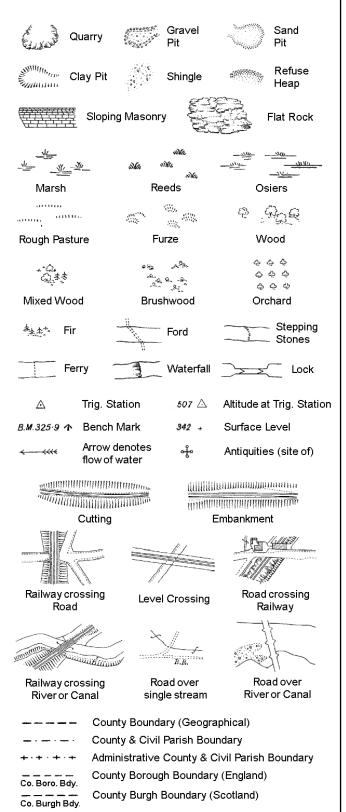
**Site Details** 

Cottam 1

Landmark

0844 844 9952

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



B.R.

E.P

F.B.

M.S

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

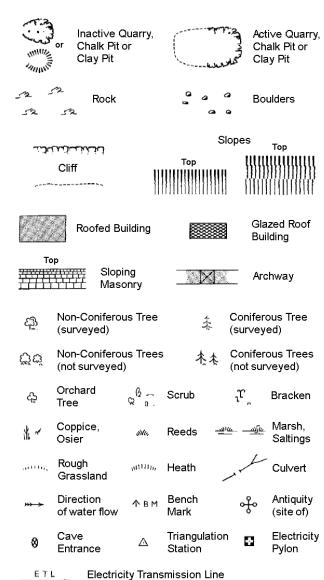
Trough Well

S.P

Sl.

Tr:

### Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



County Boundary (Geographical) County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary mereing changes

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

# 1:1,250

			Slo	opes	Тор
بالثرند	لكناب		Тор	111111	111111111111
	Cliff	1111111	1110111111111	1011)	111111111111
~ · · · · · · · ·				111111	
3	Rock		7,3	Rock (se	cattered)
$\Box$	Boulders		Δ.	Boulder	s (scattered)
	Positioned	l Boulder		Scree	
<u>ක</u> ු	Non-Conit	ferous Tree l)	*	Conifero	ous Tree ed)
ర్రోల్డ	Non-Conit (not surve	ferous Trees yed)	杰杰	Conifero	ous Trees veyed)
දා	Orchard Tree	Q <sup>Q</sup> a. So	crub	ű,	Bracken
* ~	Coppice, Osier	sva Re	eeds 🛥	<u> ம — அழ</u>	Marsh, Saltings
	Rough Grassland	amin, Ho	eath	1	Culvert
<del>*&gt; ≻</del>	Direction of water fl		iangulatior ation	, of	Antiquity (site of)
E_TL	Electric	city Transmissio	on Line	$\boxtimes$	Electricity Pylon
/ <del>/</del> / BM	1 291.6úm	Bench Mark	7		gs with g Seed
	Roof	ed Building		g GI	lazed Roof uilding
• •	• • •	Ci∨il parish/co	mmunity b	oundary	
		District bound	lary		
		County bound	lary		
	٥	Boundary pos	t/stone		
1	0	Boundary mer always appea of three)	reing symb		
Bks	Barracks		Р	Pillar Po	le or Post
Bty	Battery		PO	Post Off	
Cemy	Cemetery		PC		onvenience
Chy	Chimney		Pp	Pump	
Cis	Cistern		Ppg Sta	Pumping	Station
Dismtd I		ntled Railway	PW		Worship
El Gen S	Sta Electric	ity Generating	Sewage P	pg Sta S	ewage
ELP	Station		6D 6 D-		umping Station
EIP		Pole, Pillar	SB, S Br	_	ox or Bridge
	Sta Electricity	าอนช อเสติปท	SP, SL	_	ost or Light
FB	Filter Bed		Spr	Spring	

Fn / D Fn Fountain / Drinking Ftn.

Gas Governer

**Guide Post** 

Manhole

Gas Valve Compound

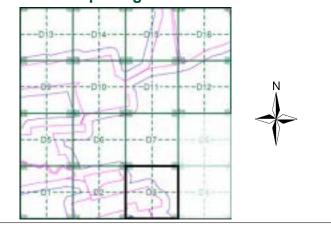
Mile Post or Mile Stone



### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1974 - 1975	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

## **Historical Map - Segment D3**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 **Customer Ref:** National Grid Reference: 489670, 383750 Slice:

Site Area (Ha):

884.45 Search Buffer (m):

**Site Details** Cottam 1

Tank or Track

Works (building or area)

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Tr

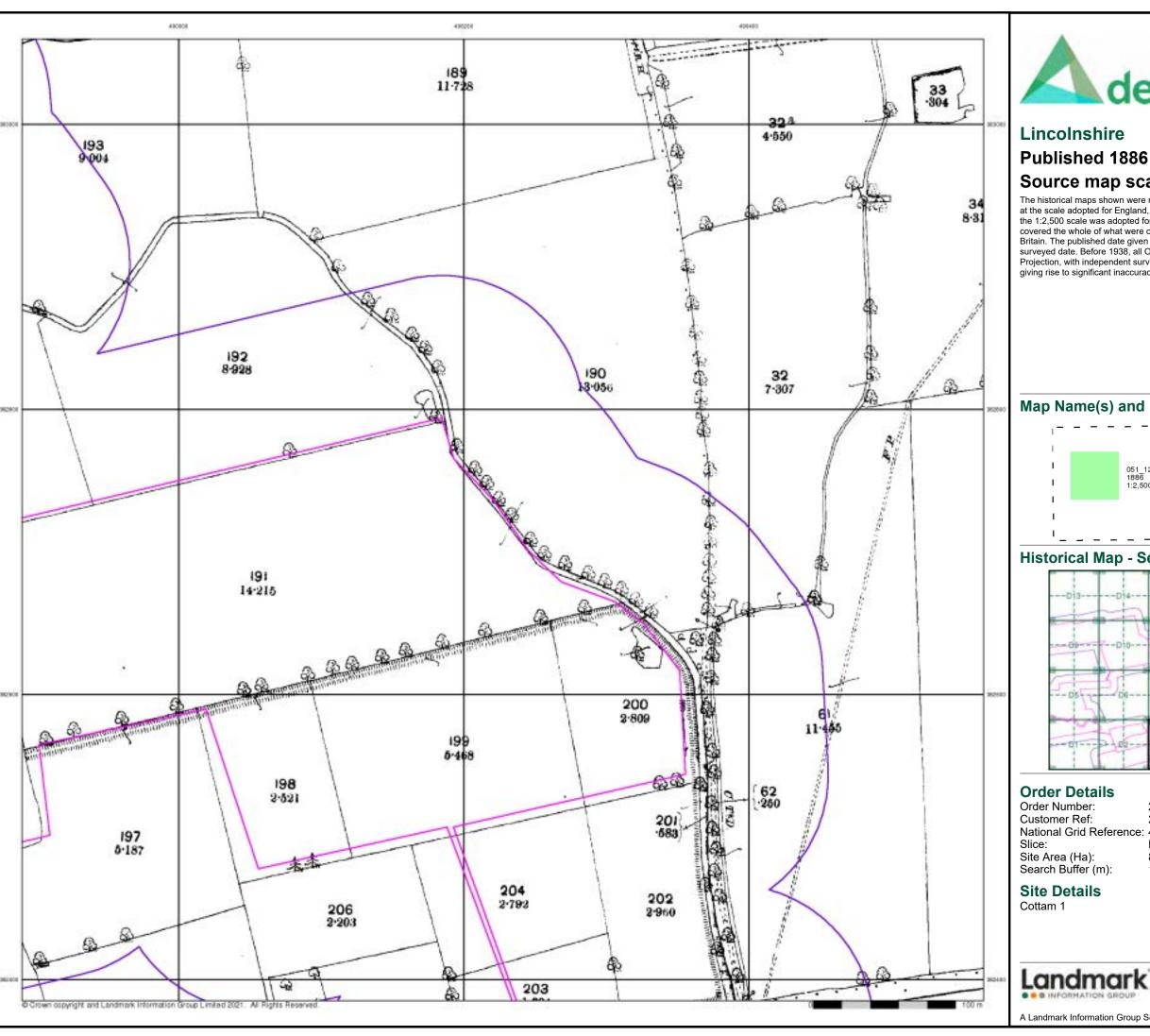
Wd Pp

Wks

Landmark

0844 844 9952

Page 1 of 6

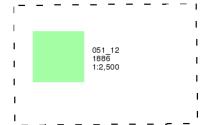




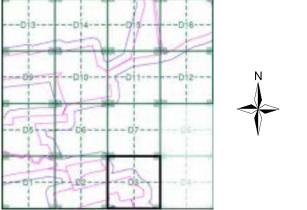
# **Published 1886** Source map scale - 1:2,500

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 D3**



Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 489670, 383750

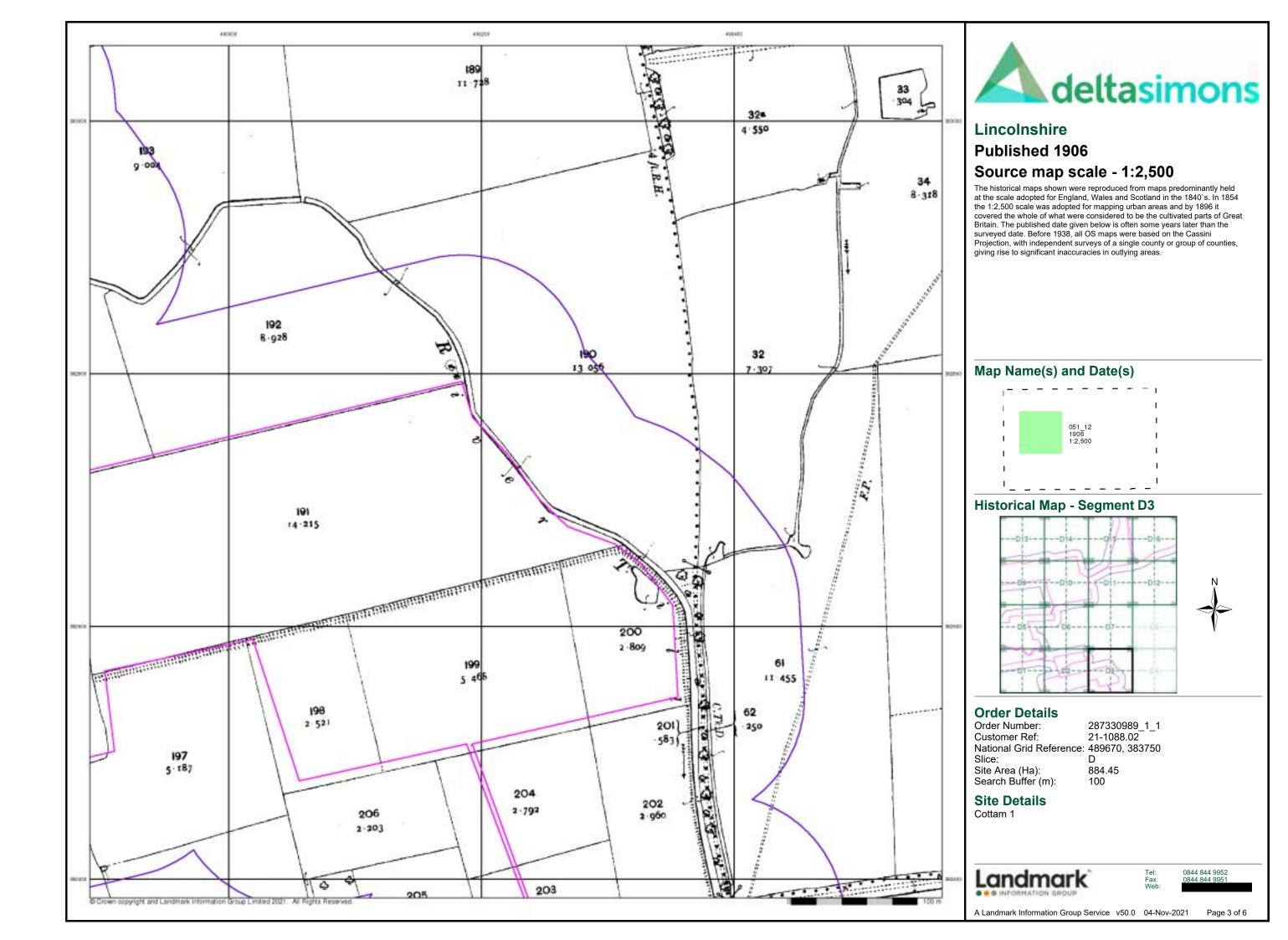
884.45

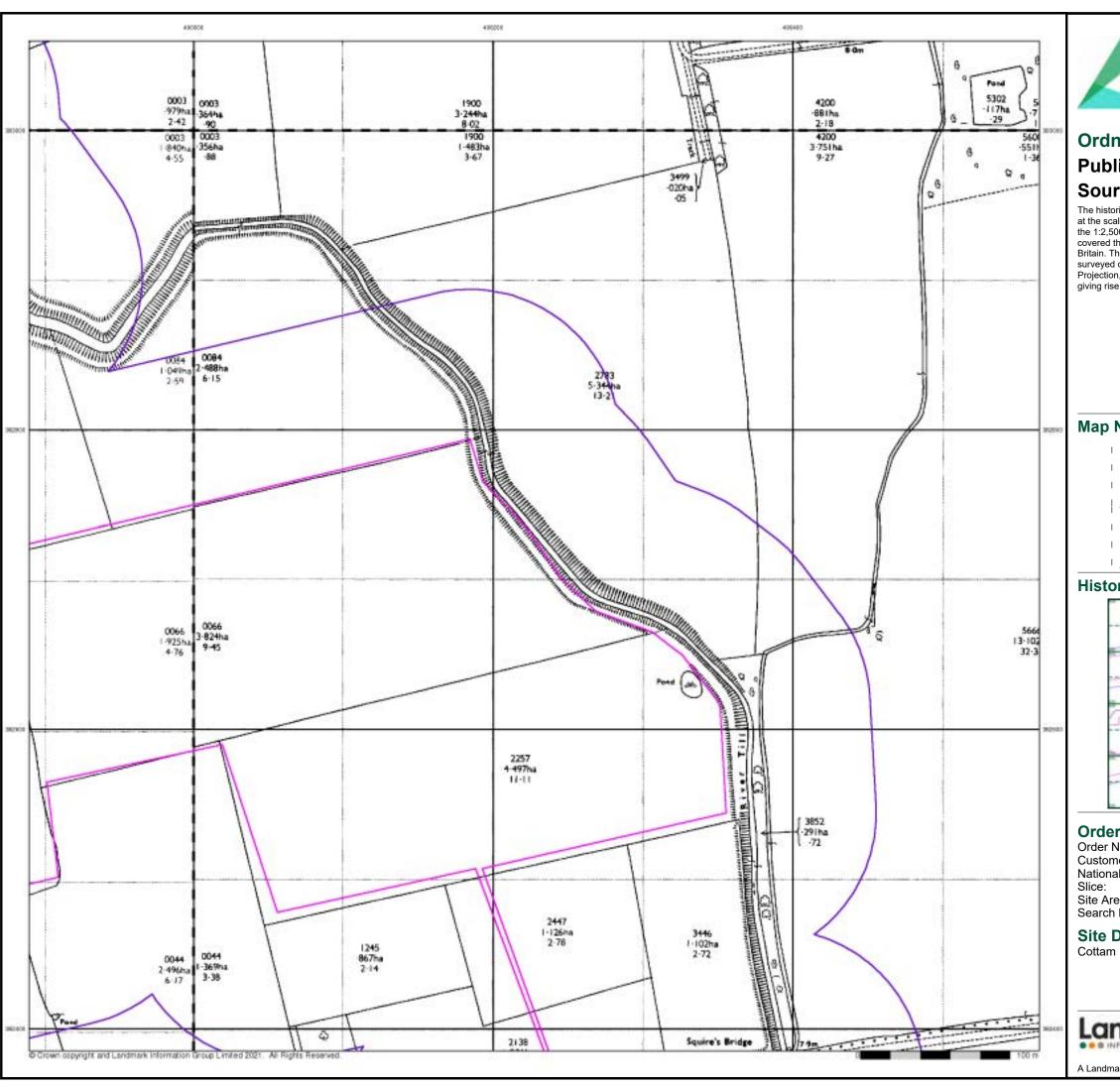


0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021

Page 2 of 6







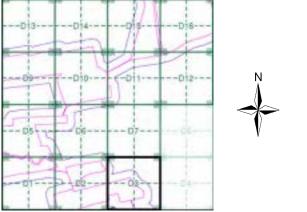
# **Ordnance Survey Plan Published 1974 - 1975** Source map scale - 1:2,500

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)

- 1		1	_	_	_	I
- 1	SK8983 1975	1	19	K908 974		ı
- 1	1:2,500	1	1:	2,50	0	ı
-		ı	_	_	_	l
1	SK8982 1975	1	19	K908		ı
- 1	1:2,500	ı	1:	2,50	0	I
- 1		1	_	_	_	ı

### **Historical Map - Segment D3**



### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 489670, 383750

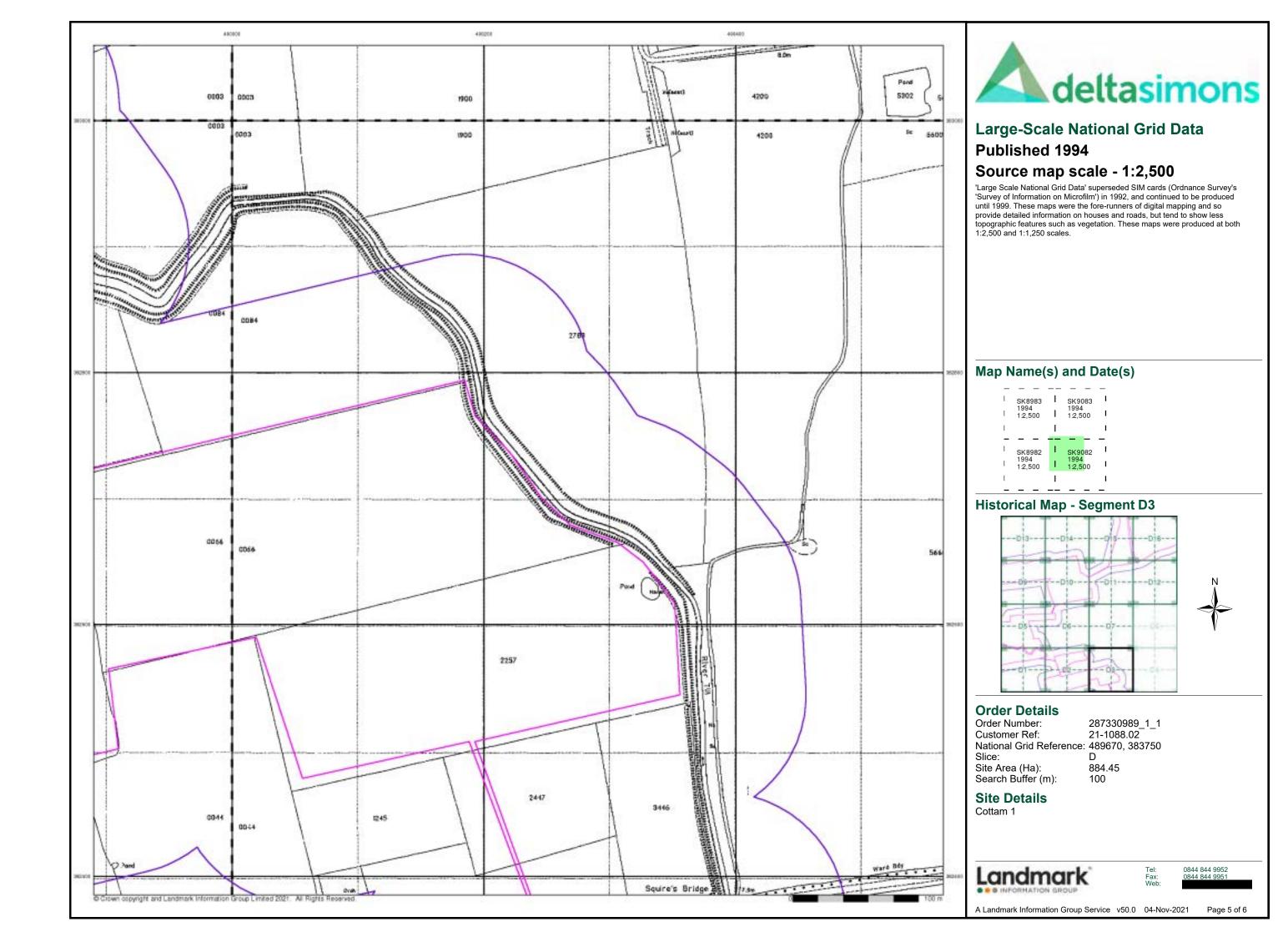
Site Area (Ha): Search Buffer (m): 884.45

## **Site Details**

Cottam 1



0844 844 9952

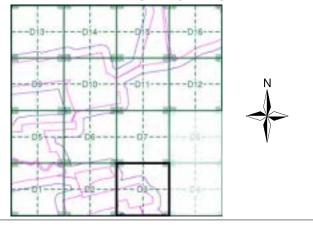






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

### **Historical Aerial Photography - Segment D3**



### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 489670, 383750

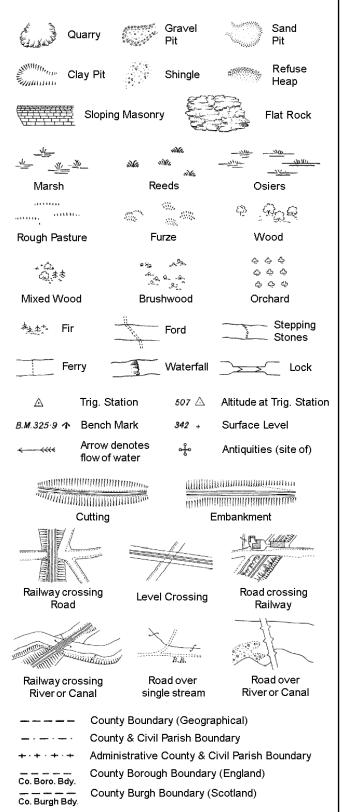
Slice: Site Area (Ha): Search Buffer (m): 884.45 100

**Site Details** 

Cottam 1

Landmark

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



B.R.

E.P

F.B.

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

Trough

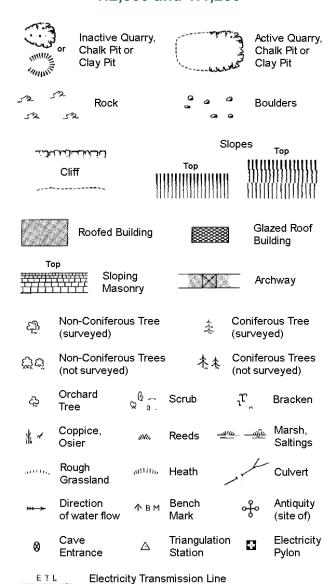
Well

S.P

Sl.

Tr:

### Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



		County Bo	undary (	Geographical)
· — ·		County & 0	Ci∨il Paris	sh Boundary
		Civil Parish	n Bounda	ary
· <del></del> ·	<del></del> ·	Admin. Co	unty or C	ounty Bor. Boundary
-e LBB	- <del></del>	London Bo	rough Bo	oundary
××××××××××××××××××××××××××××××××××××××	·	Symbol ma mereing ch		nt where boundary
BH BP, BS	Beer House Boundary Po	ost or Stone	P PO	Pillar, Pole or Post Post Office
Cn, C	Capstan, Cra		PC	Public Convenience

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

# 1:1,250

 ب <b>انات</b> ند	Clitt Clitt		Sid	opes Top
20		[[]]]		
25	Rock		23	Rock (scattered)
$\Box$	Boulders		<u>~</u>	Boulders (scattered)
$\triangle$	Positioned	l Boulder		Scree
දවු	Non-Conif (surveyed	erous Tree )	\$	Coniferous Tree (surveyed)
ర్లోల్	Non-Conif (not surve	erous Trees yed)	<del></del> ጳጳ	Coniferous Trees (not surveyed)
ధ	Orchard Tree	© a. So	erub	<sub>າ</sub> ຕຸ Bracken
* ~	Coppice, Osier	ww. R∈	eeds 🛥	اند <u>سان</u> د Marsh, Saltings
willin,	Rough Grassland	տուսո, He	eath	Culvert
<del>››&gt; ≻</del>	Direction of water fl		iangulatior ation	Antiquity (site of)
_ E_TL _	_ Electric	city Transmissio	on Line	Electricity Pylon
\ <del> </del>	l 231.6úm - E	Bench Mark		Buildings with Building Seed
	Roofe	ed Building		Glazed Roof Building
		Civil parish/co	mmunity b	ooundary
		District bound	ary	
		County bound	ary	
4	b	Boundary post	t/stone	
٨	>	-		ol (note: these ed pairs or groups
Bks	Barracks		Р	Pillar, Pole or Post
Bty	Battery		PO	Post Office
Cemy	Cemetery		PC	Public Convenience
Chy Cis	Chimney Cistern		Pp Ppg Sta	Pump Pumping Station
Dismtd F		itled Railway	PW	Place of Worship
El Gen S	•	ity Generating	Sewage P	
EIP	Electricity	Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub S	ta Electricity	Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed		Spr	Spring
Fn / D Fr	n Fountain <i>i</i>	Drinking Ftn.	Tk -	Tank or Track

Gas Valve Compound

Mile Post or Mile Stone

Gas Governer

**Guide Post** 

Manhole

Tr

Wd Pp

Wks

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

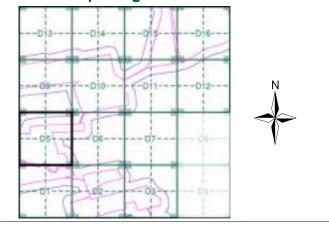
Works (building or area)



### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1975	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

## **Historical Map - Segment D5**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 489670, 383750 Slice:

884.45

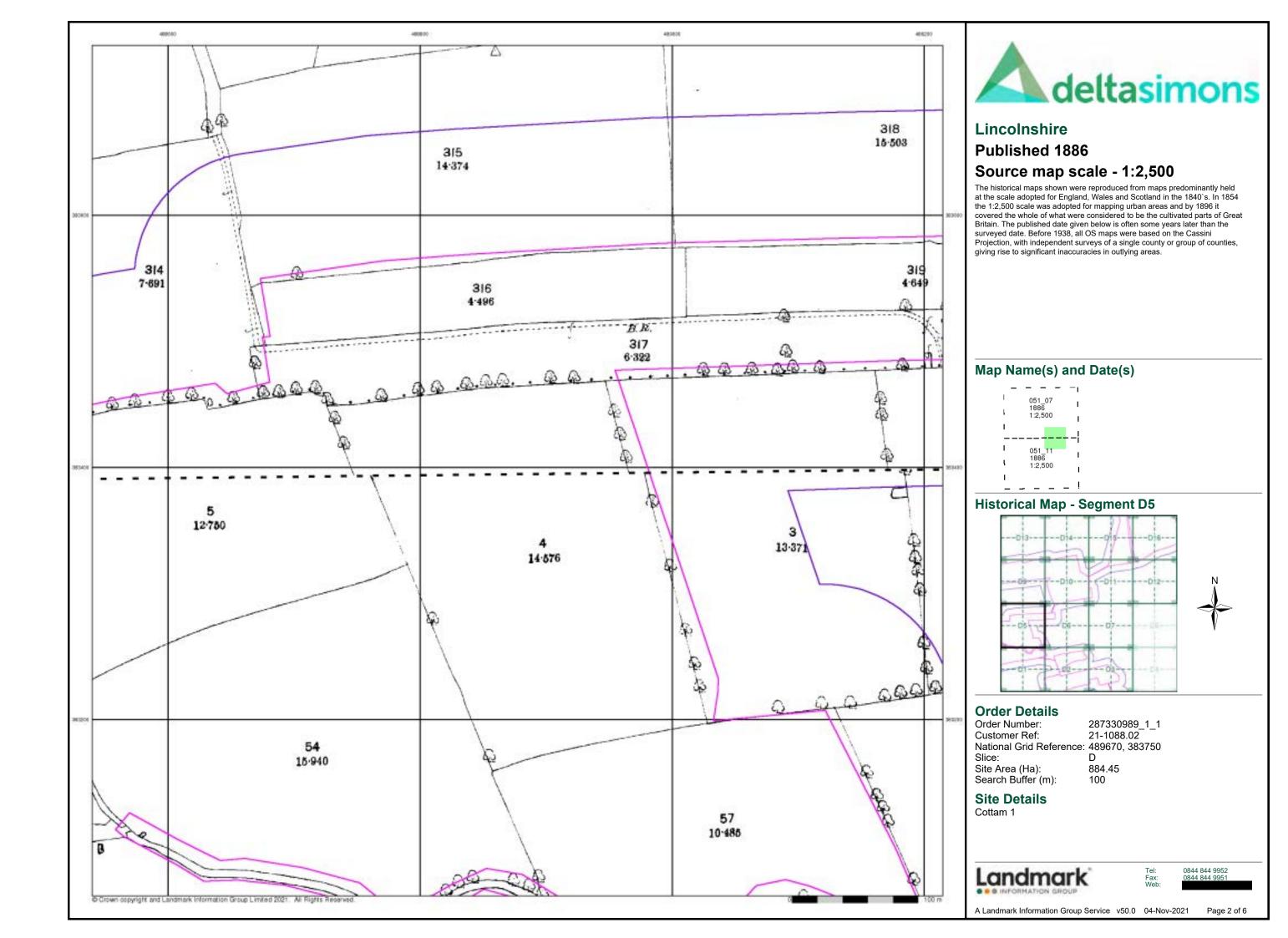
Site Area (Ha): Search Buffer (m):

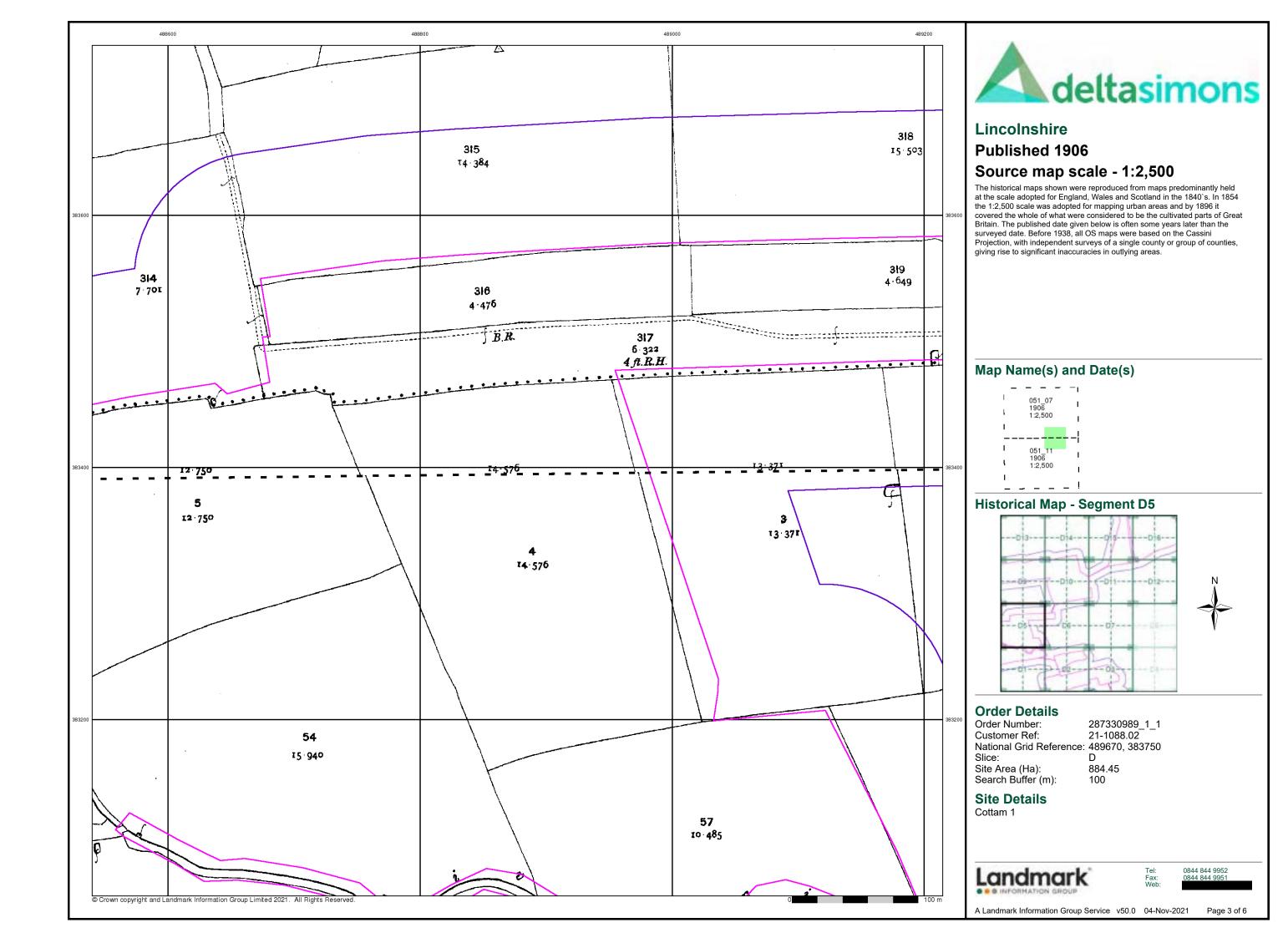
**Site Details** Cottam 1

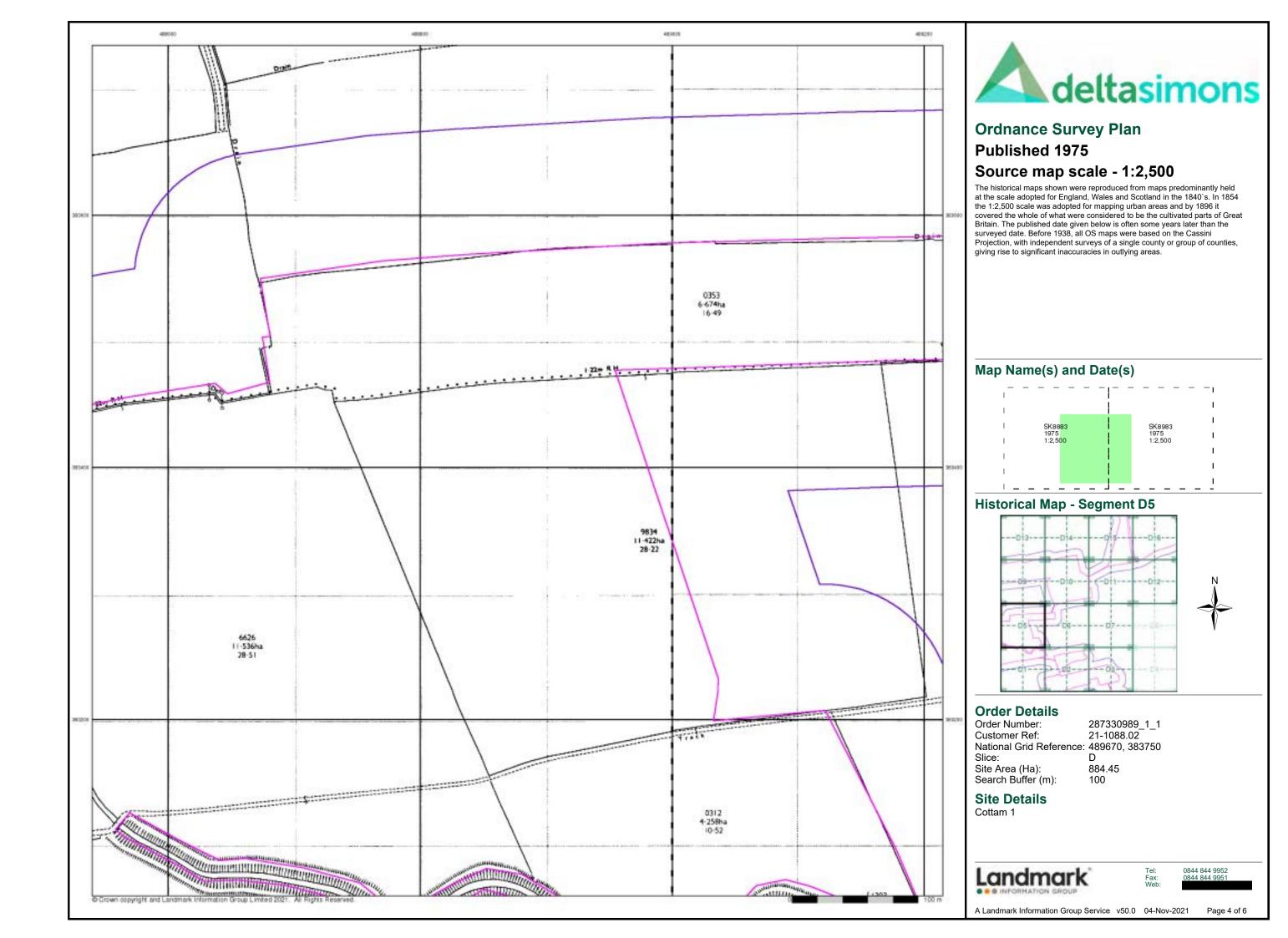


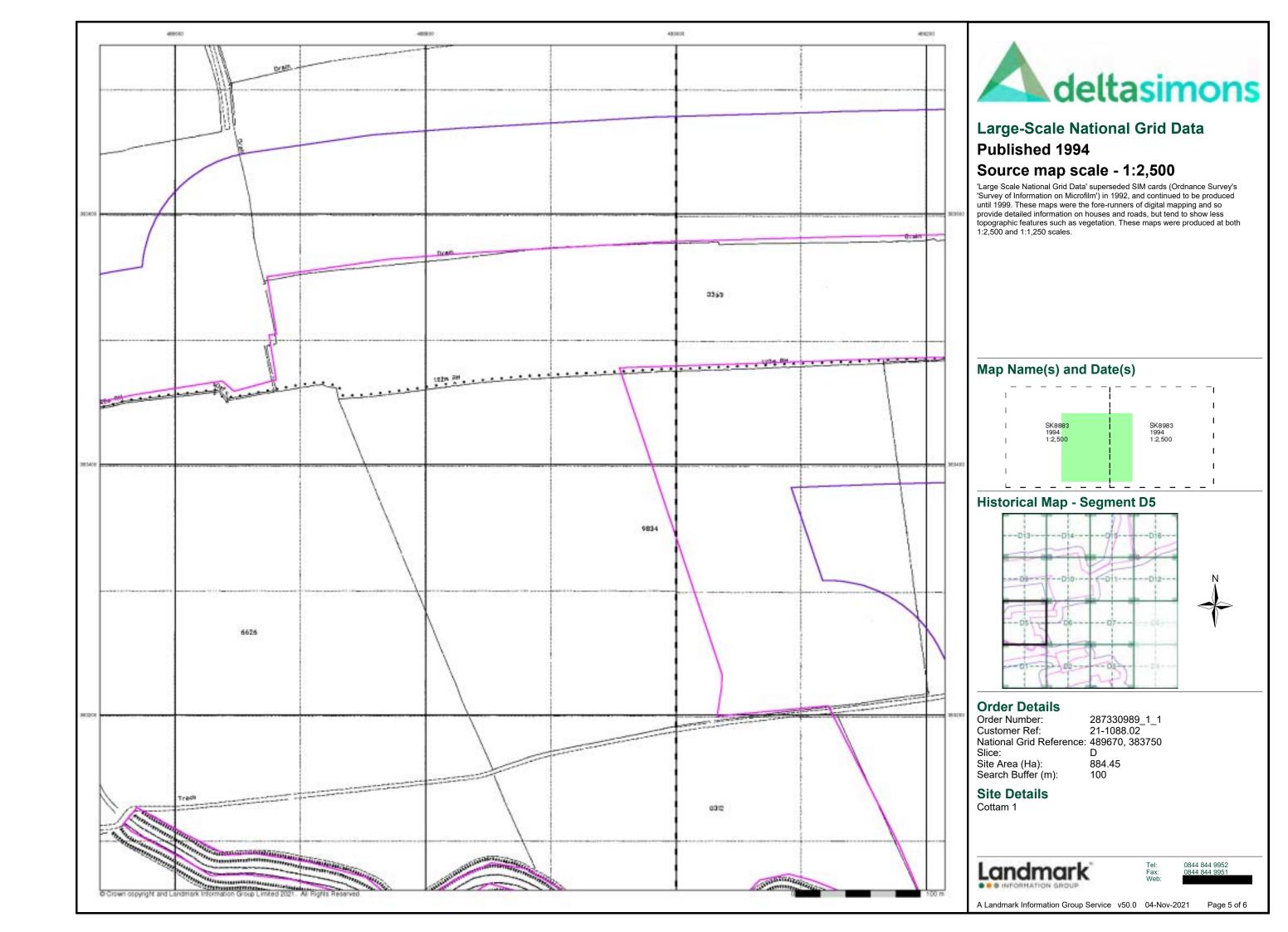
0844 844 9952

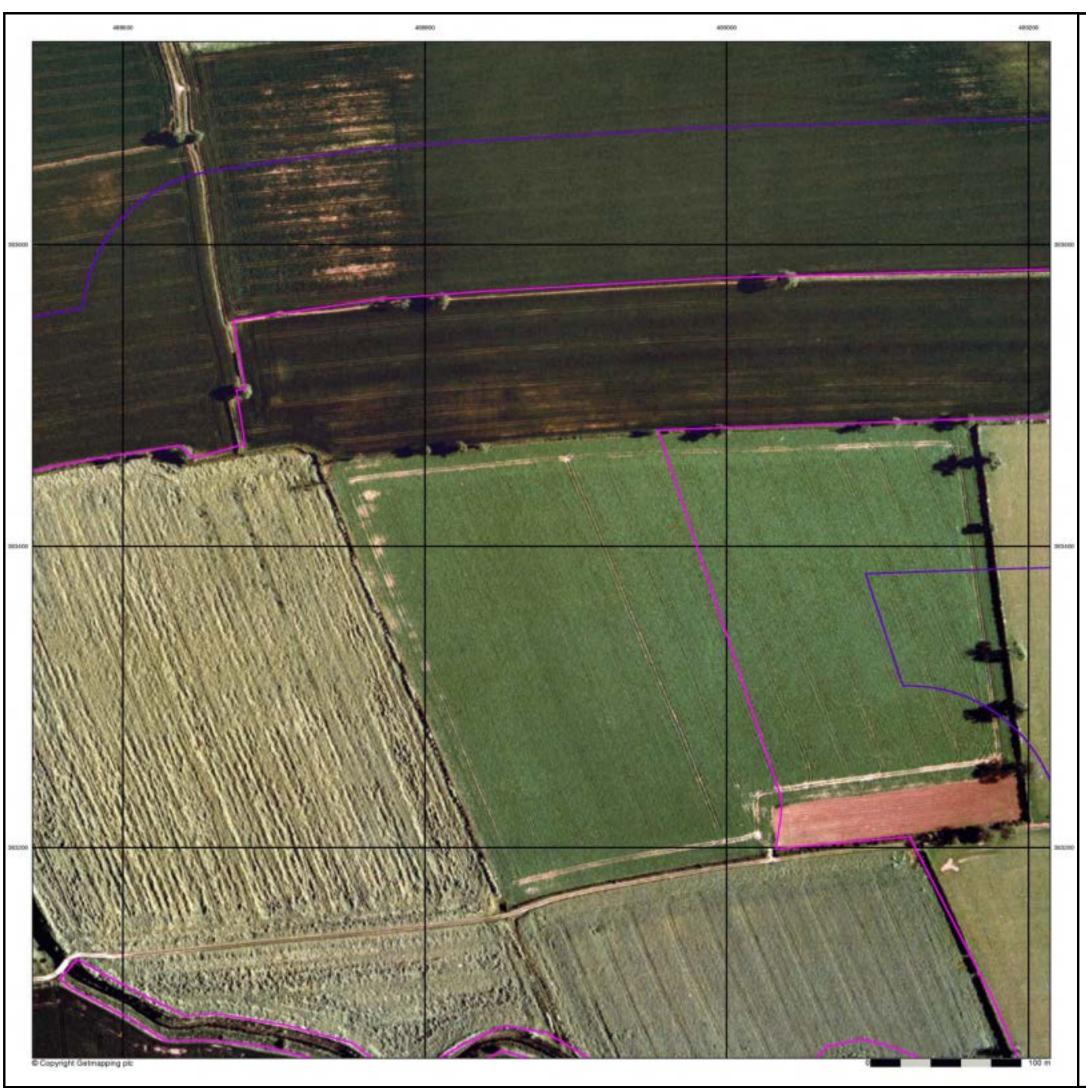
Page 1 of 6







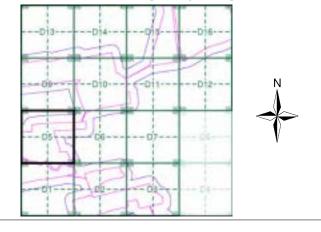






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

### **Historical Aerial Photography - Segment D5**



### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 489670, 383750

Slice:

884.45 100 Site Area (Ha): Search Buffer (m):

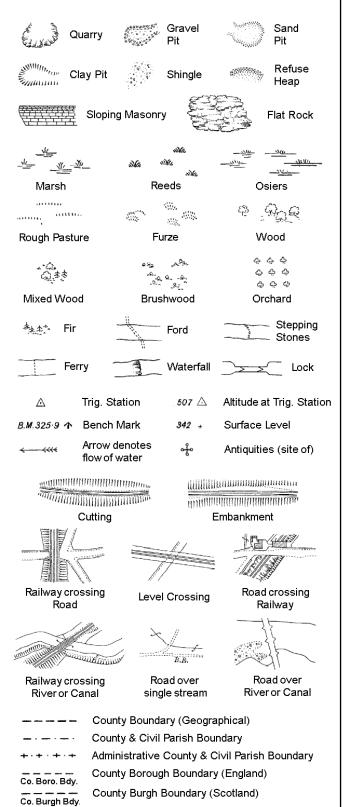
## **Site Details**

Cottam 1

Landmark

0844 844 9952 0844 844 9951

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



B.R.

E.P

F.B.

M.S

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

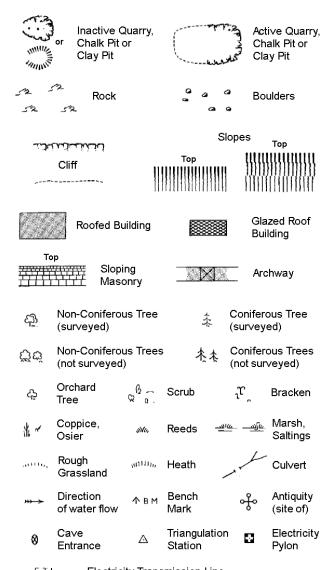
Trough Well

S.P

Sl.

Tr:

### Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



**Electricity Transmission Line** 

County Boundary (Geographical) County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary mereing changes

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

# 1:1,250

TVD-C	×2	Slo	opes Top		
1.41	Clitt لىنىنىدىنى	Тор			
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
523	Rock	7.3	Rock (scattered)		
$\square_{\Delta}$	Boulders	2	Boulders (scattered)		
$\Box$	Positioned Boulder		Scree		
2월	Non-Coniferous Tree (surveyed)	*	Coniferous Tree (surveyed)		
ర్గొట్	Non-Coniferous Trees (not surveyed)	春春	Coniferous Trees (not surveyed)		
දා	Orchard $Q = Q = Q = Q$	crub	າ" Bracken		
* ~	Coppice, AND Re	eeds 🛥	u <u> அழ</u> Marsh, Saltings		
artitr <sub>e</sub>	Rough ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	eath	Culvert		
<del>*** &gt;</del>		iangulatior ation	Antiquity (site of)		
E <u>T</u> L	Electricity Transmissio	on Line	⊠ Electricity      Pylon		
/ <del>/</del> / BM	1 231.60m Bench Mark		Buildings with Building Seed		
Roofed Building Glazed Roof Building					
Civil parish/community boundary     District boundary					
_ •	- — County bound	ary			
	Boundary pos	t/stone			
,			ol (note: these ed pairs or groups		
Bks	Barracks	Р	Pillar, Pole or Post		
Bty	Battery	PO PO	Post Office		
Cemy Chy	Cemetery Chimney	PC Pp	Public Convenience Pump		
Cis	Cistern	гр Ppg Sta	Pumping Station		
Dismtd F		PW	Place of Worship		
El Gen S	Sta Electricity Generating Station	Sewage P	pg Sta Sewage Pumping Station		
EIP	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge		
El Sub S	Sta Electricity Sub Station	SP, SL	Signal Post or Light		
FB	Filter Bed	Spr	Spring		
Fn / D Fr	n Fountain / Drinking Ftn.	Tk	Tank or Track		

Gas Gov

Gas Valve Compound

Mile Post or Mile Stone

Gas Governer

**Guide Post** 

Manhole

Tr

Wd Pp

Wks

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

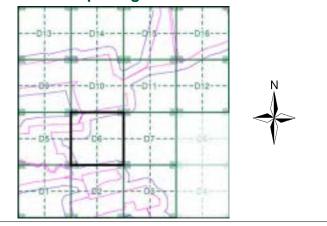
Works (building or area)



### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1975	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

## **Historical Map - Segment D6**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 **Customer Ref:** National Grid Reference: 489670, 383750 Slice:

Site Area (Ha):

884.45 Search Buffer (m):

## **Site Details**

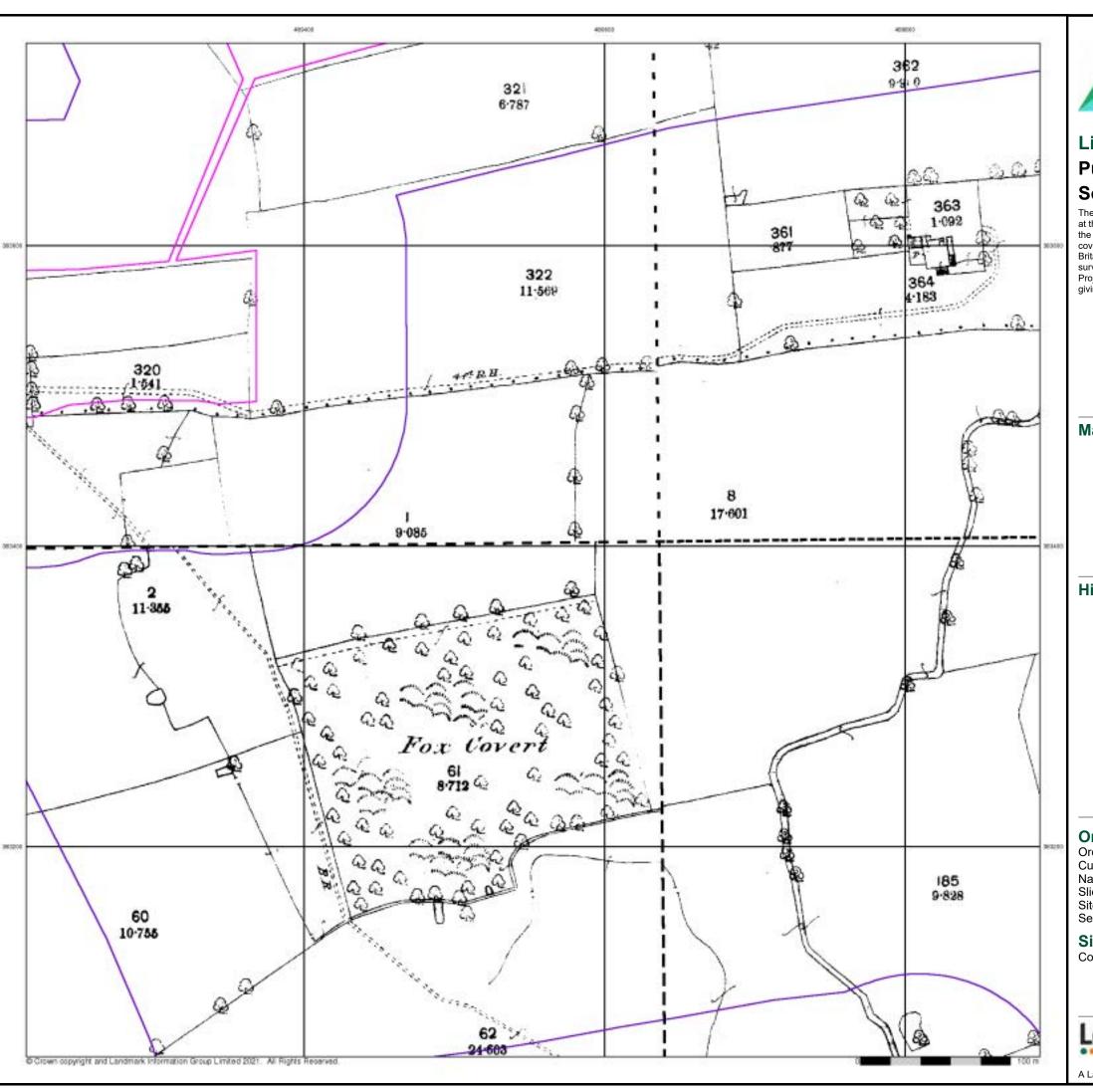
Cottam 1



0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021

Page 1 of 6



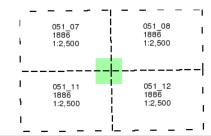


### Lincolnshire

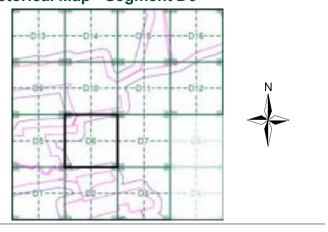
# **Published 1886** Source map scale - 1:2,500

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 D6**



### **Order Details**

 
 Order Number:
 287330989\_1\_1

 Customer Ref:
 21-1088.02

 National Grid Reference:
 489670, 383750
 Slice:

Site Area (Ha): Search Buffer (m): 884.45

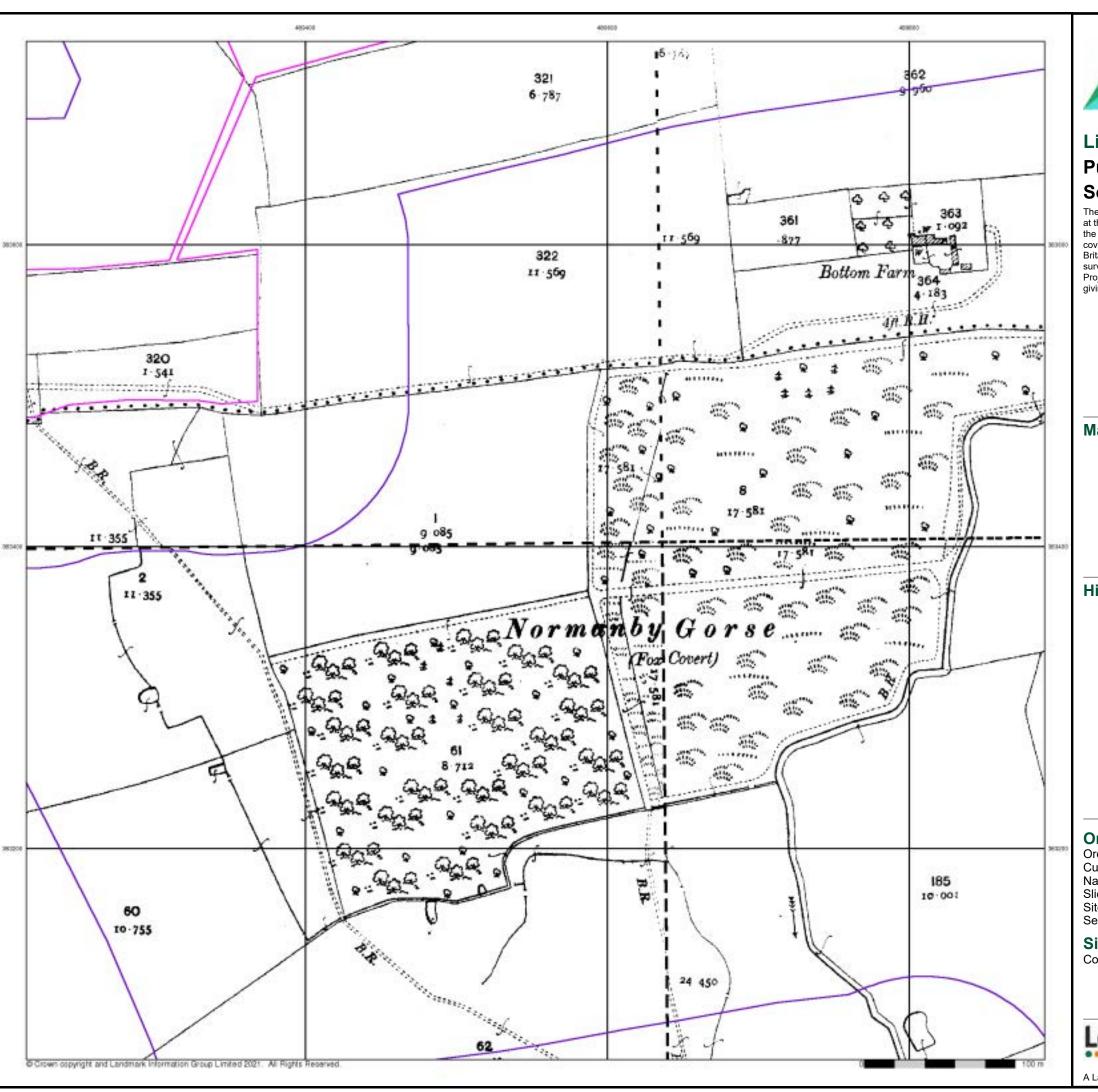
## **Site Details**

Cottam 1



0844 844 9952

Page 2 of 6



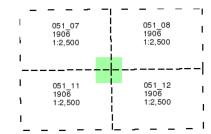


### Lincolnshire

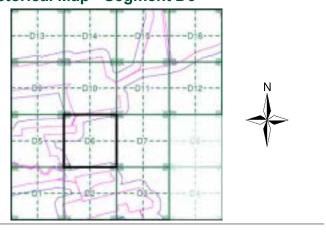
# Published 1906 Source map scale - 1:2,500

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 D6**



### **Order Details**

 Order Number:
 287330989\_1\_1

 Customer Ref:
 21-1088.02

 National Grid Reference:
 489670, 383750

Slice:

Site Area (Ha): Search Buffer (m): 884.45

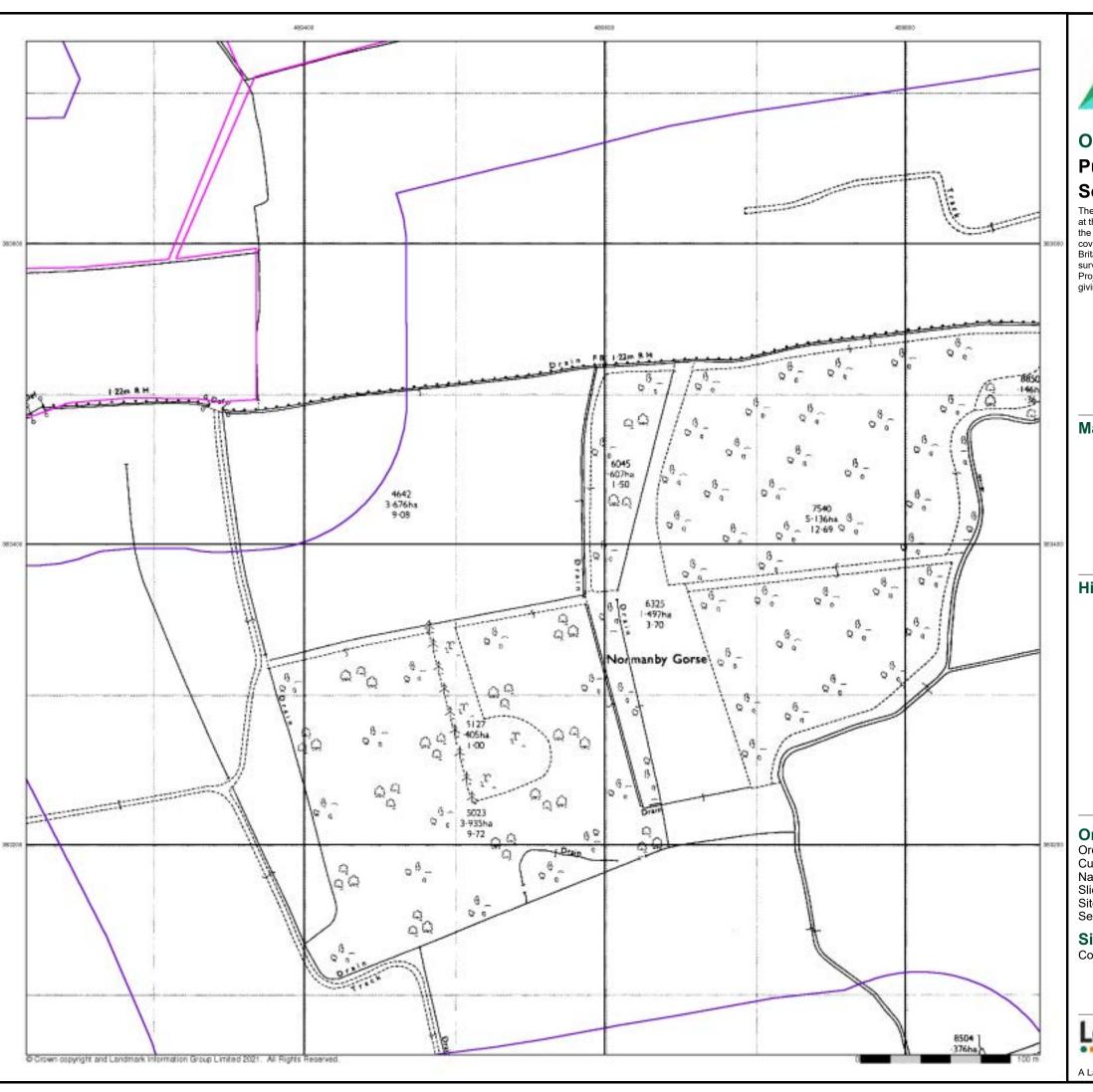
## **Site Details**

Cottam 1



0844 844 9952

Page 3 of 6

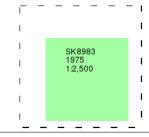




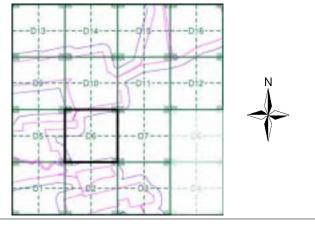
# **Ordnance Survey Plan** Published 1975 Source map scale - 1:2,500

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 surveyes 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 D6**



### **Order Details**

 
 Order Number:
 287330989\_1\_1

 Customer Ref:
 21-1088.02

 National Grid Reference:
 489670, 383750
 Slice:

Site Area (Ha): Search Buffer (m): 884.45

## **Site Details**

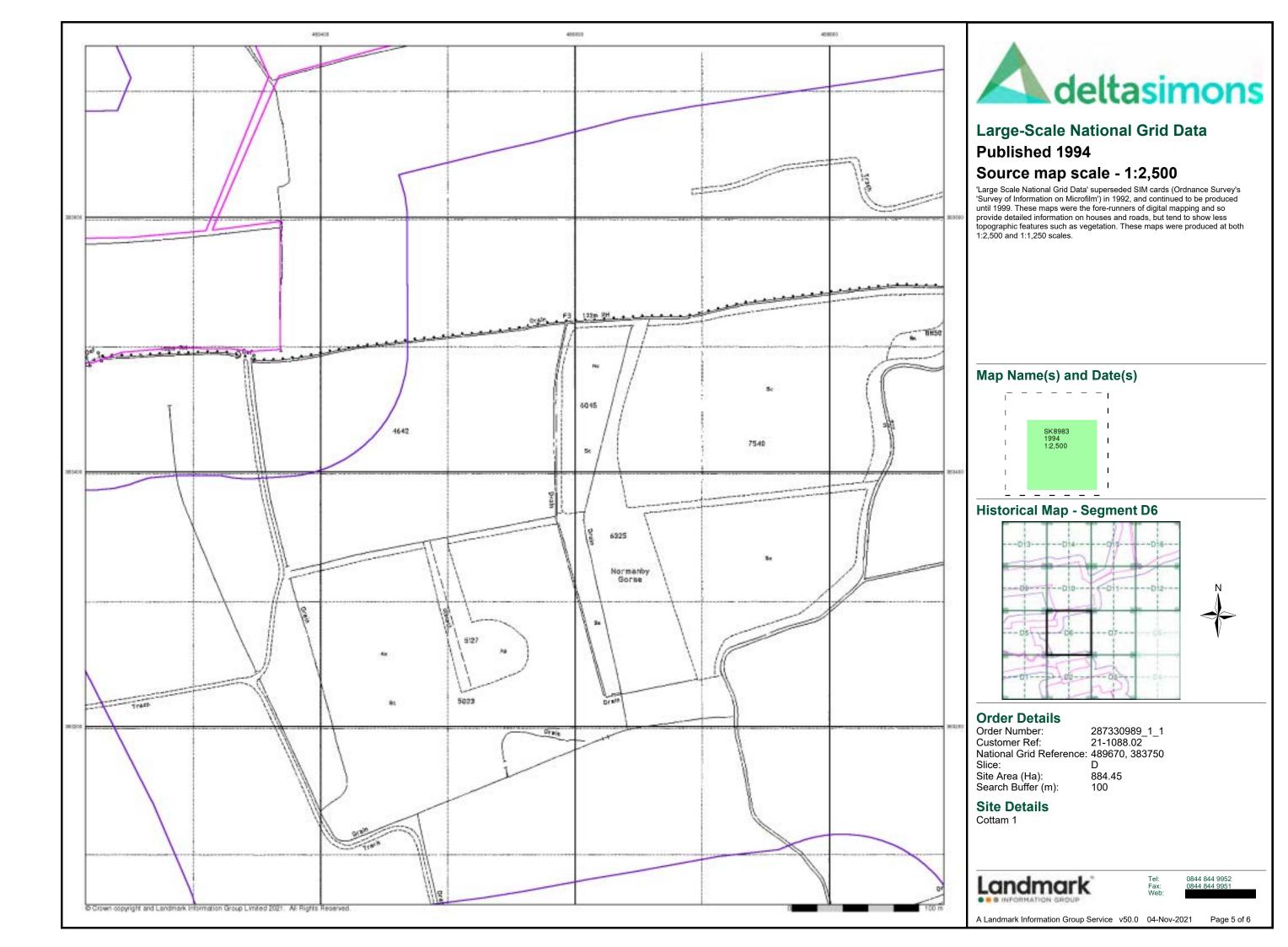
Cottam 1

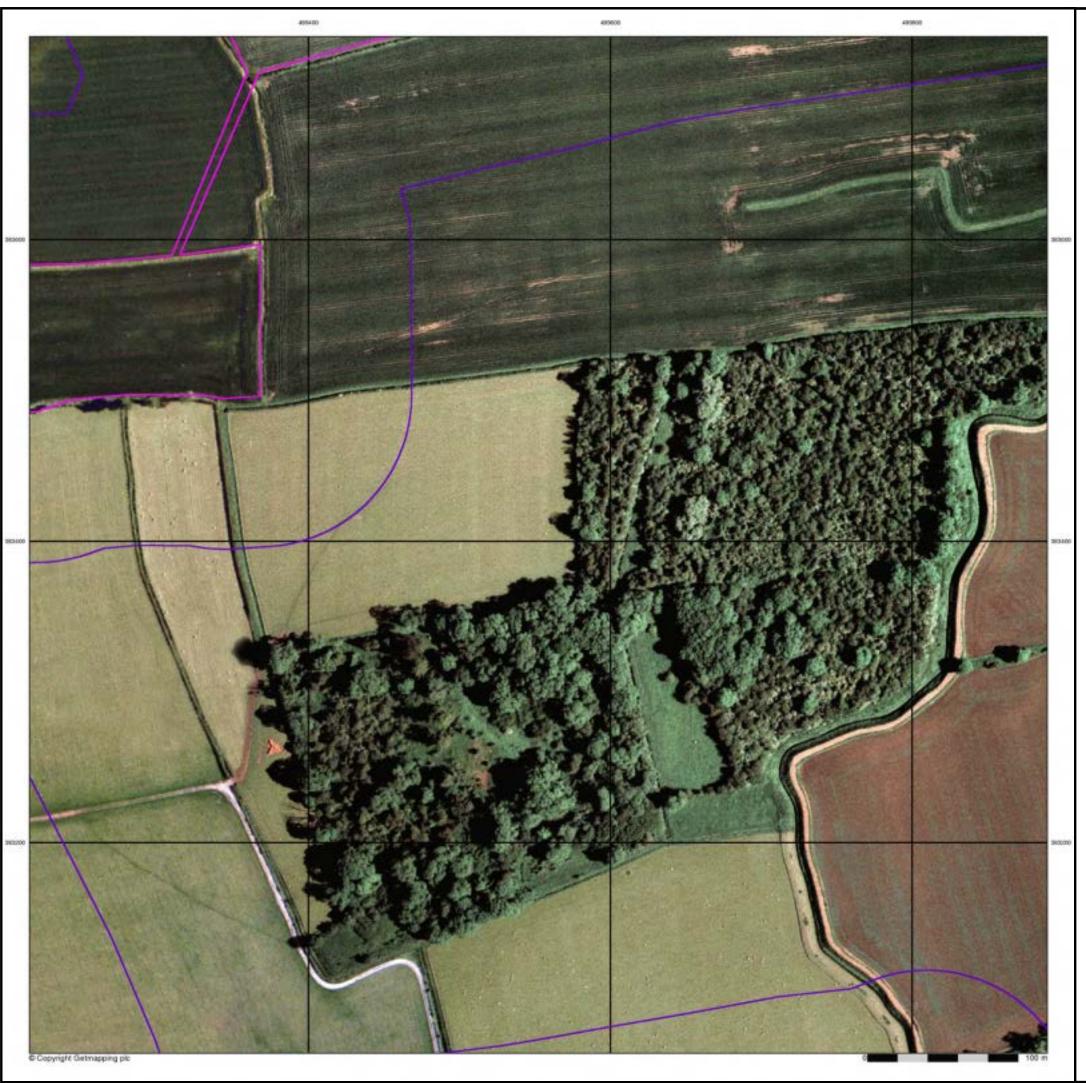


0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021

Page 4 of 6

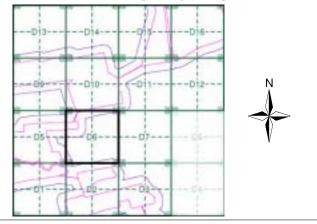






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

### **Historical Aerial Photography - Segment D6**



### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 489670, 383750

Slice:

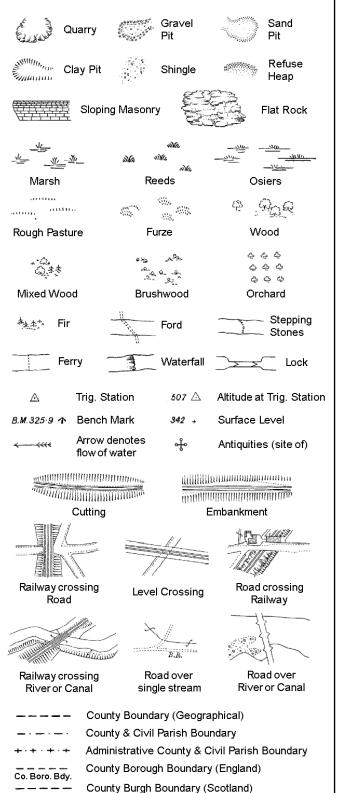
Site Area (Ha): Search Buffer (m): 884.45 100

**Site Details** 

Cottam 1

Landmark

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



Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

Trough

Well

S.P

T.C.B

Sl.

 $T_{T}$ 

Co. Burgh Bdy.

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Guide Post or Board

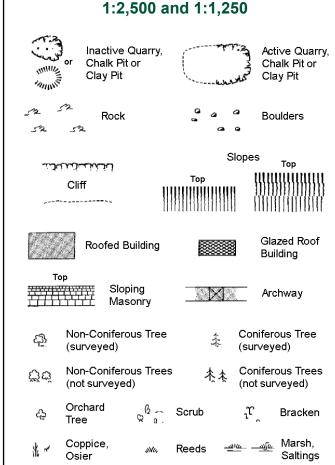
B.R.

E.P

F.B.

M.S

Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 



Rough Culvert Grassland Direction Bench Antiquity of water flow (site of) Electricity Cave Triangulation Entrance

ETL Elec	tricity Transmission Line		
	County Boundary (Geographical)		
. — . — .	County & Civil Parish Boundary		
	Ci∨il Parish Boundary		
· <del></del> · ·	Admin. County or County Bor. Boundary		
L B Bdy	London Borough Boundary		
×.	Symbol marking point where boundary mereing changes		

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

GVC

MP, MS

Gas Governer

Mile Post or Mile Stone

**Guide Post** 

Manhole

Wd Pp

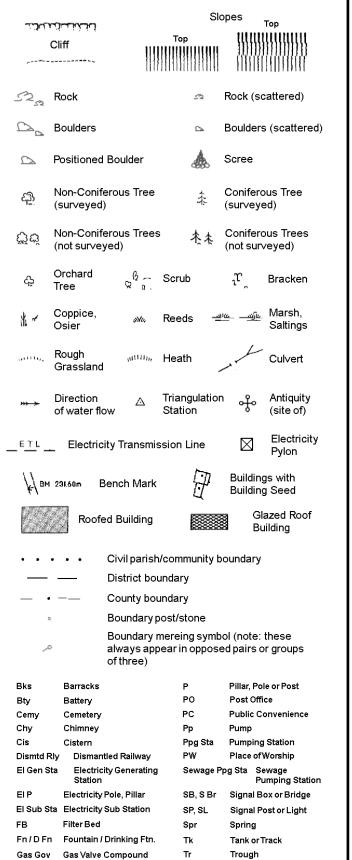
Wks

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

# 1:1,250

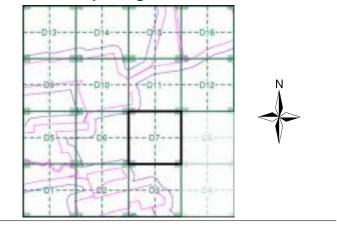




### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1974 - 1975	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

## **Historical Map - Segment D7**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 **Customer Ref:** National Grid Reference: 489670, 383750 Slice:

Site Area (Ha):

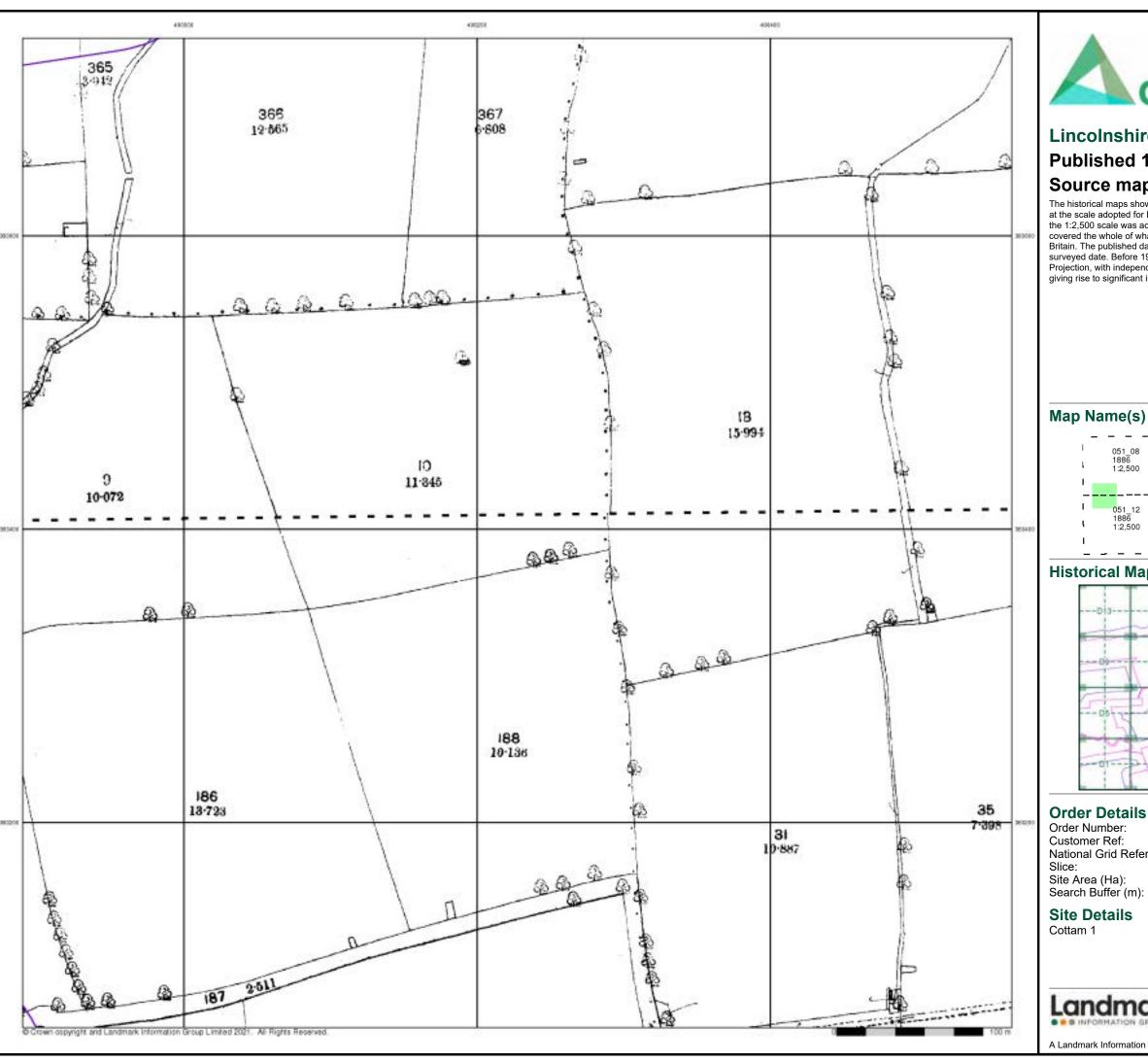
884.45 Search Buffer (m): 100

### **Site Details** Cottam 1

Landmark

0844 844 9952

Page 1 of 6



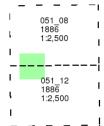


#### Lincolnshire

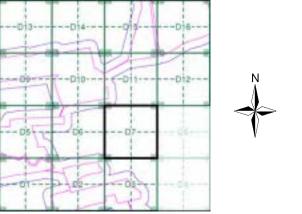
### Published 1886 Source map scale - 1:2,500

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 D7**



#### **Order Details**

 Order Number:
 287330989\_1\_1

 Customer Ref:
 21-1088.02

 National Grid Reference:
 489670, 383750

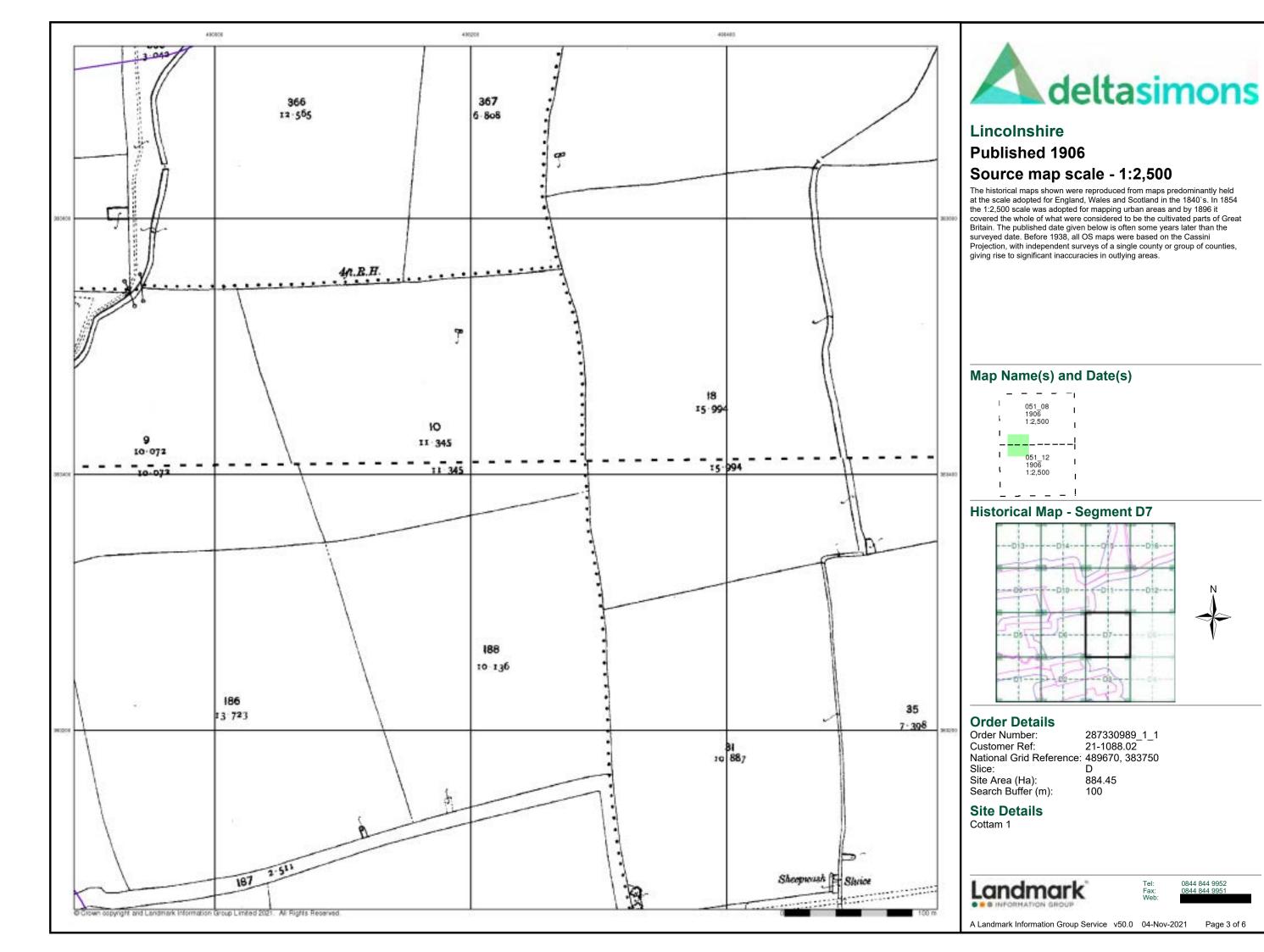
884.45 100

### **Site Details**

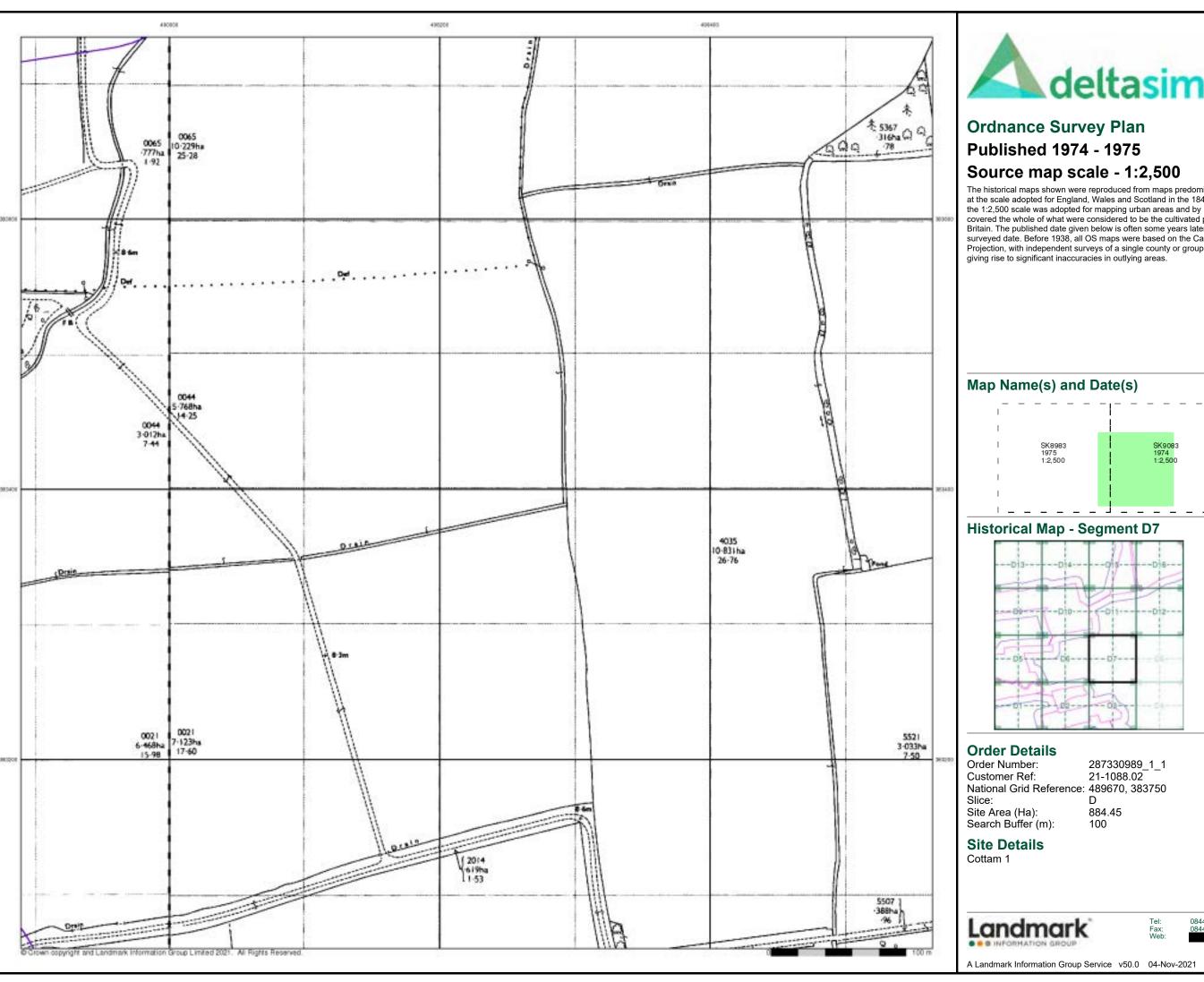


0844 844 9952

Page 2 of 6



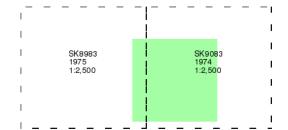
Page 3 of 6

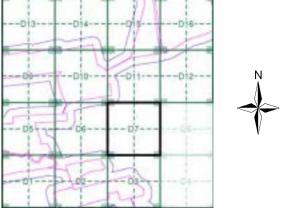




### **Ordnance Survey Plan Published 1974 - 1975** Source map scale - 1:2,500

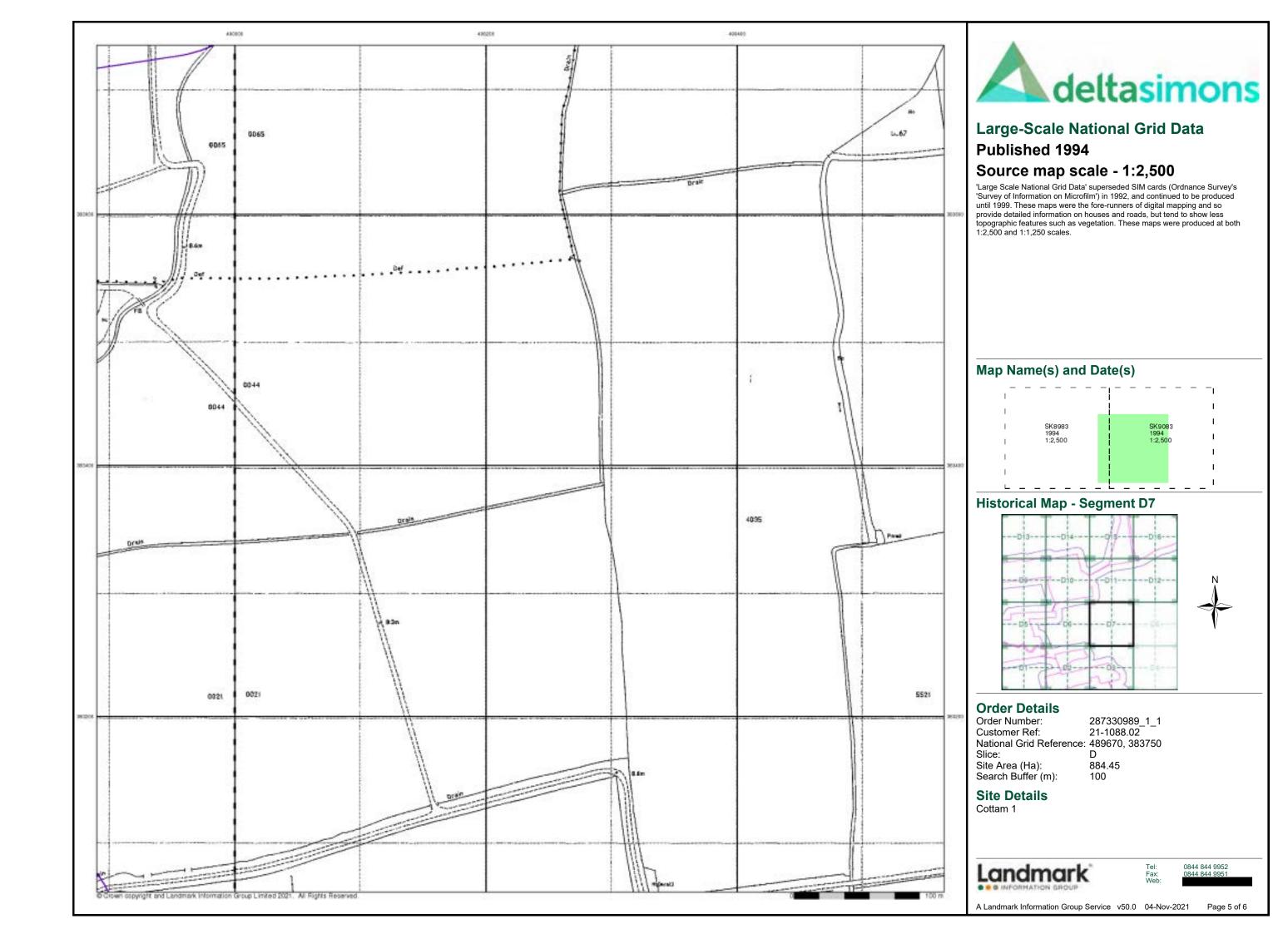
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. 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 surveyes of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.





287330989\_1\_1 21-1088.02 National Grid Reference: 489670, 383750

0844 844 9952

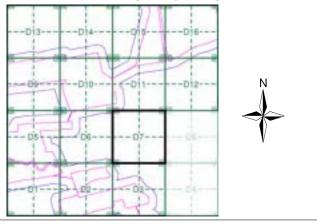






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

#### **Historical Aerial Photography - Segment D7**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 489670, 383750 Slice:

Site Area (Ha): Search Buffer (m): 884.45 100

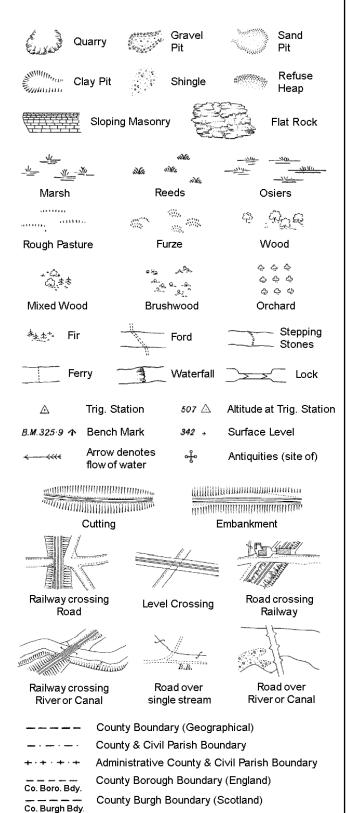
**Site Details** 

Cottam 1

Landmark

0844 844 9952 0844 844 9951

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



B.R.

E.P

F.B.

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

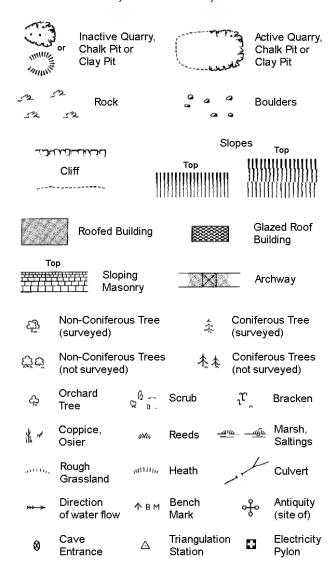
Trough Well

S.P

Sl.

Tr:

#### Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



		County Bo	undary (	Geographical)
· — ·		County & 0	Ci∨il Pari:	sh Boundary
		Civil Paris	h Bounda	ary
· <del></del> ·	<del></del> -	Admin. Co	unty or C	ounty Bor. Boundary
LBB	dy - <del></del>	London Bo	rough Bo	oundary
****	`	Symbol ma mereing ch		nt where boundary
вн	Beer House		Р	Pillar, Pole or Post
BP, BS	Boundary P	ost or Stone	PO	Post Office
Cn, C	Capstan, Cra	ane	PC	Public Convenience
Ch	Chimmer		DII	Dublic Herres

**Electricity Transmission Line** 

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

GVC

Gas Governer

Mile Post or Mile Stone

**Guide Post** 

Manhole

Wd Pp

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

# 1:1,250

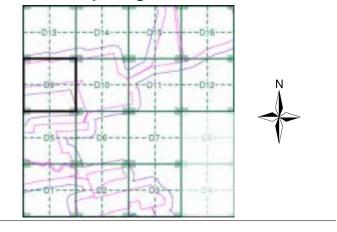
			Slopes Top			
لانتهاب لتبريخان			Тор	1111111	11111111111	
	Cliff	1111			1111111111111	
				1)[[][[		
Da.	Rock		7,3	Rock (so	cattered)	
$\Box_{a}$	Boulders		₽	Boulders	s (scattered)	
	Positioned B	oulder		Scree		
<u>කු</u>	Non-Conifer (surveyed)	ous Tree	*	Coniferd (surveye	ous Tree ed)	
స్తోల్	Non-Conifer (not surveye		* **	Conifero	ous Trees /eyed)	
දා	Orchard Tree	Q a.	Scrub	J,	Bracken	
* ~	Coppice, Osier	siNu,	Reeds 🛥	)രെ <i>—മി</i> ര	Marsh, Saltings	
actities,	Rough Grassland	anna,	Heath	1	Culvert	
<del>&gt;&gt;&gt; ≻</del>	Direction of water flow	, А	Triangulation Station	, &	Antiquity (site of)	
E_TL	_ Electricity	/ Transmis	ssion Line	$\boxtimes$	Electricity Pylon	
\ <del> </del>	231.60m Be	nch Mark	7	Building Building	gs with g Seed	
	Roofed	Building		23	azed Roof uilding	
		ivil narich	/community b	oundary		
· <u>·</u>		istrict bo	=	ouridary		
			-			
_ •	· C	ounty boo	undary			
9	В	oundary p	ost/stone			
×	∘ a		mereing symb pear in oppose			
Bks	Barracks		Р	Pillar, Po	le or Post	
Bty	Battery		PO	Post Offi	ce	
Cemy	Cemetery		PC	Public C	onvenience	
Chy	Chimney		Pp	Pump		
Cis	Cistern	4 D-2	Ppg Sta	Pumping		
Dismtd F El Gen S	-	d Railway Generating	PW Sewage F	Place of	Worship ewage	
El Gell 3	Station	Generating	Sewaye F		awage Jimping Station	
EIP	Electricity Po	,	SB, S Br	Signal B	ox or Bridge	
El Sub S	ta Electricity Su	ıb Station	SP, SL	Signal P	ost or Light	
FB	Filter Bed		Spr	Spring		
Fn/DFr		_	Tk -	Tank or 1	rack rack	
Gas Gov	Gas Valve Co	mpound	Tr	Trough		



#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1975	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

### **Historical Map - Segment D9**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 489670, 383750 Slice: 884.45

Site Area (Ha):

Search Buffer (m):

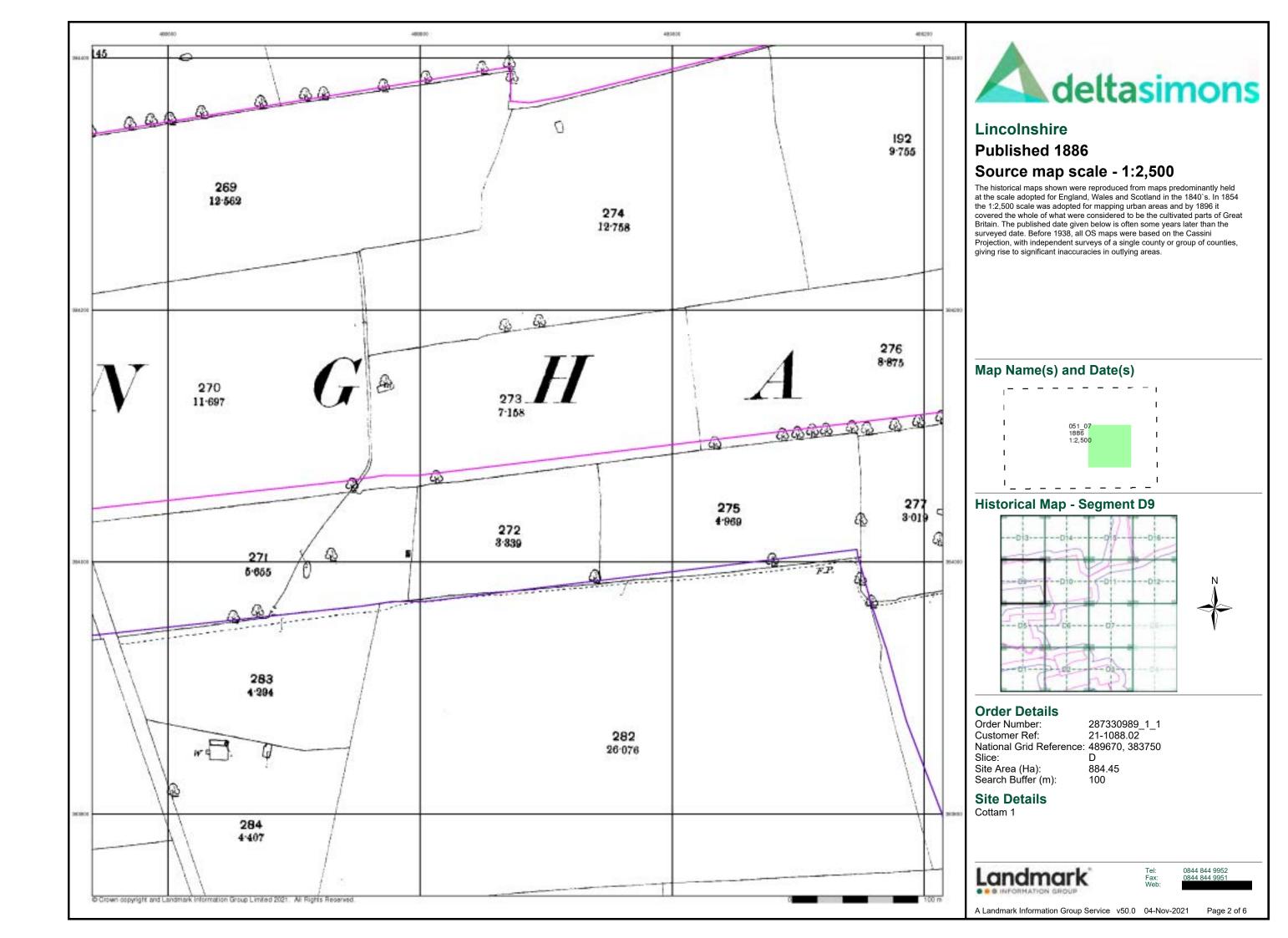
**Site Details** 

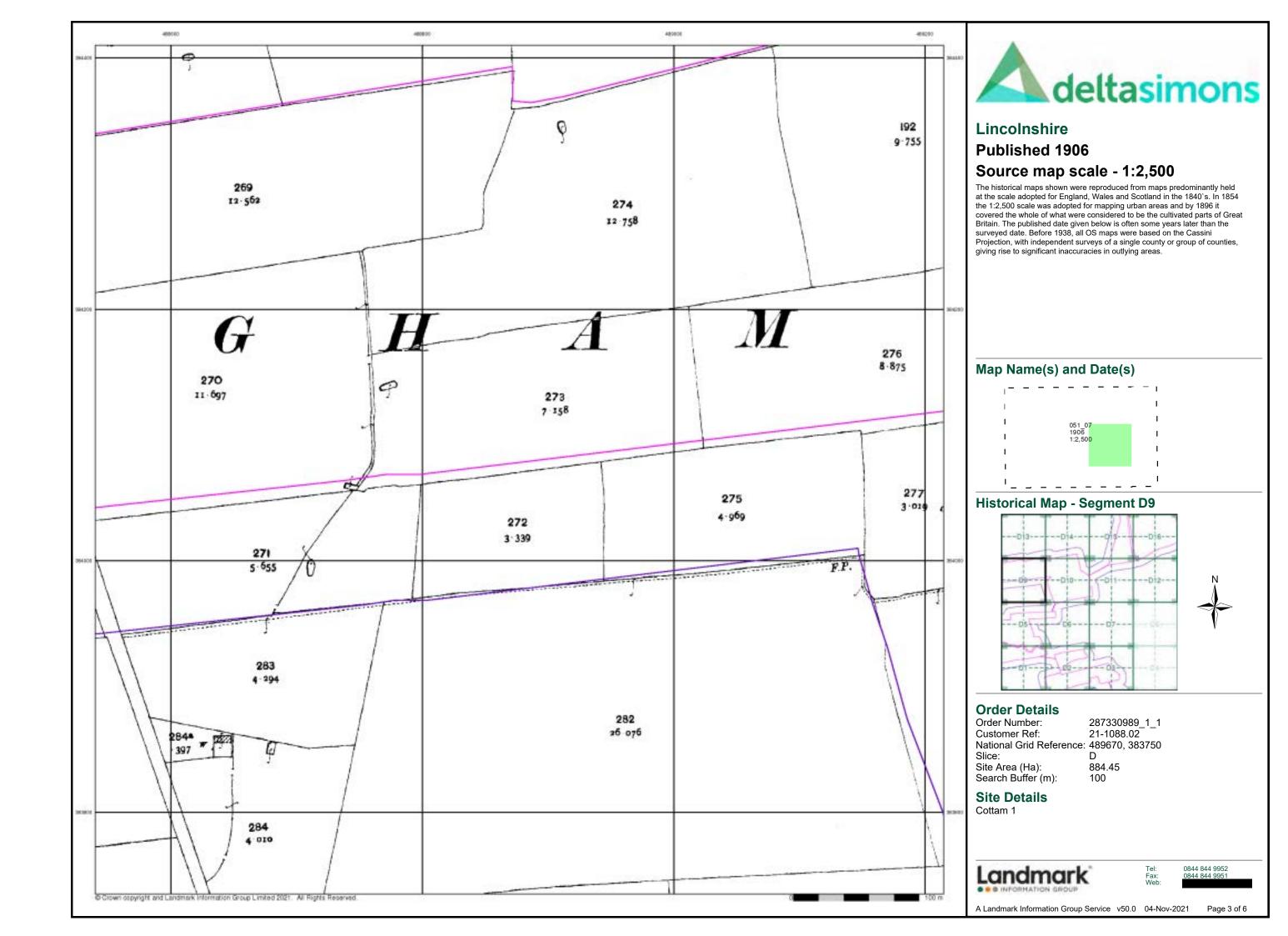
Cottam 1

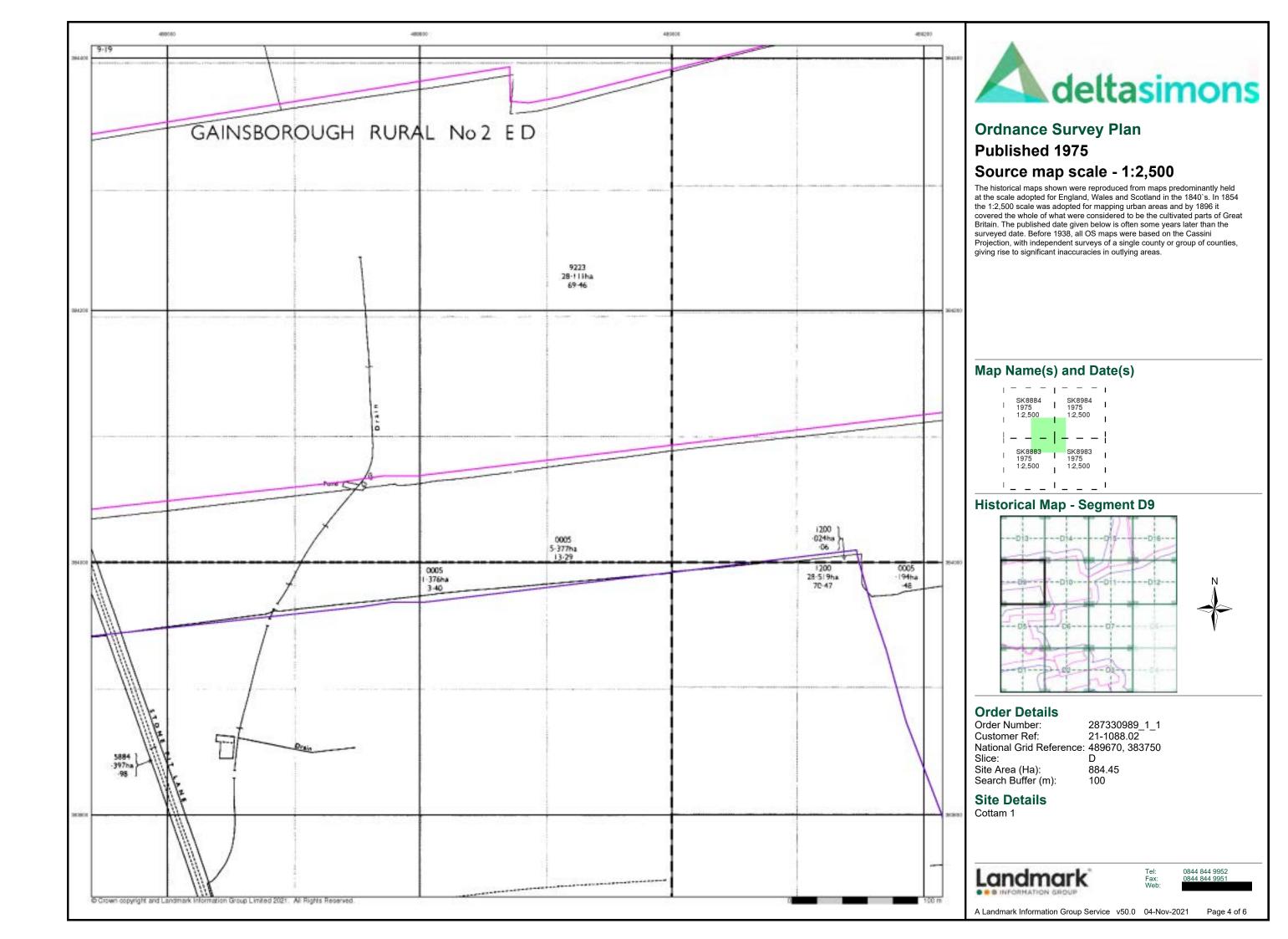


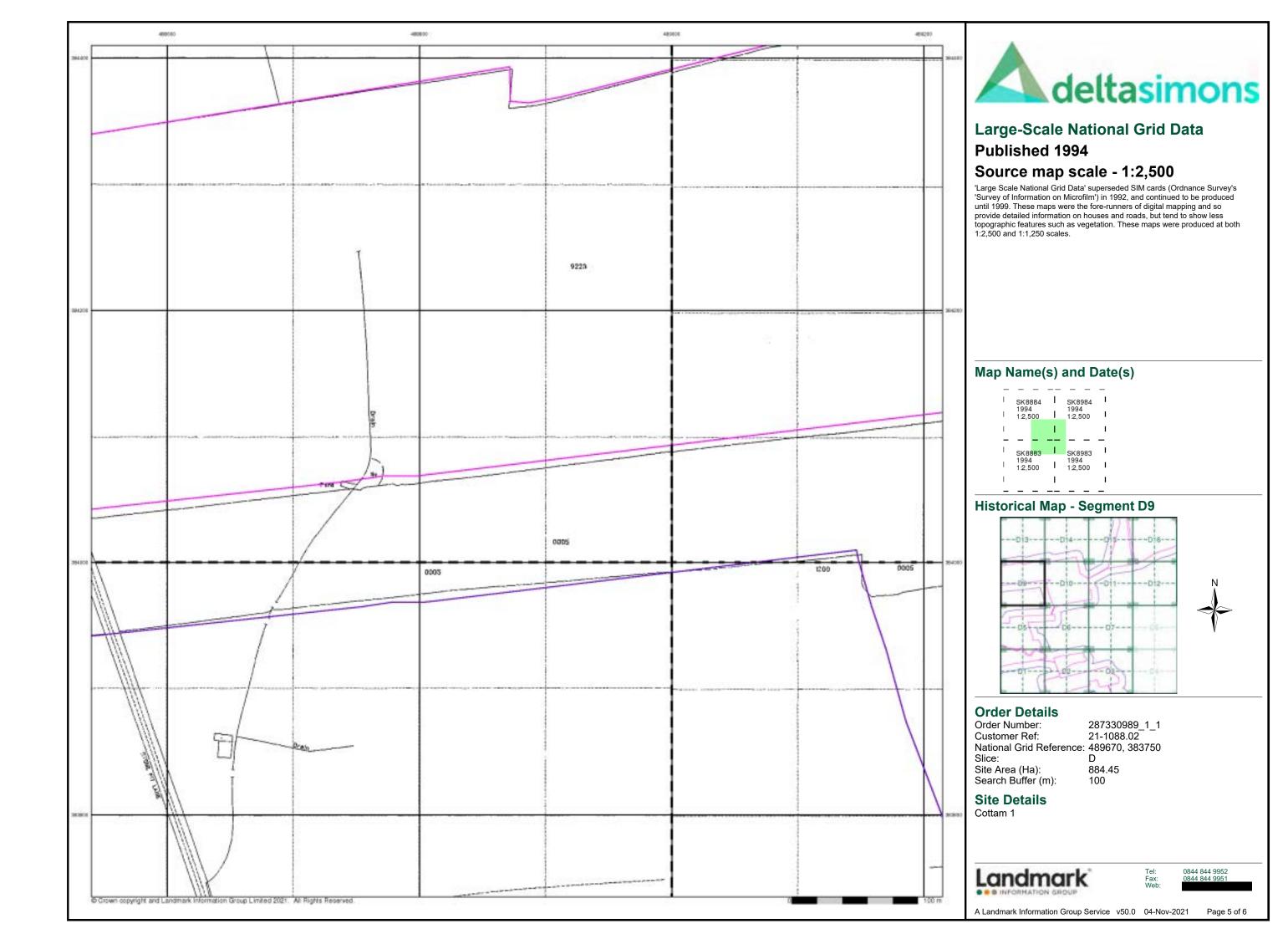
0844 844 9952

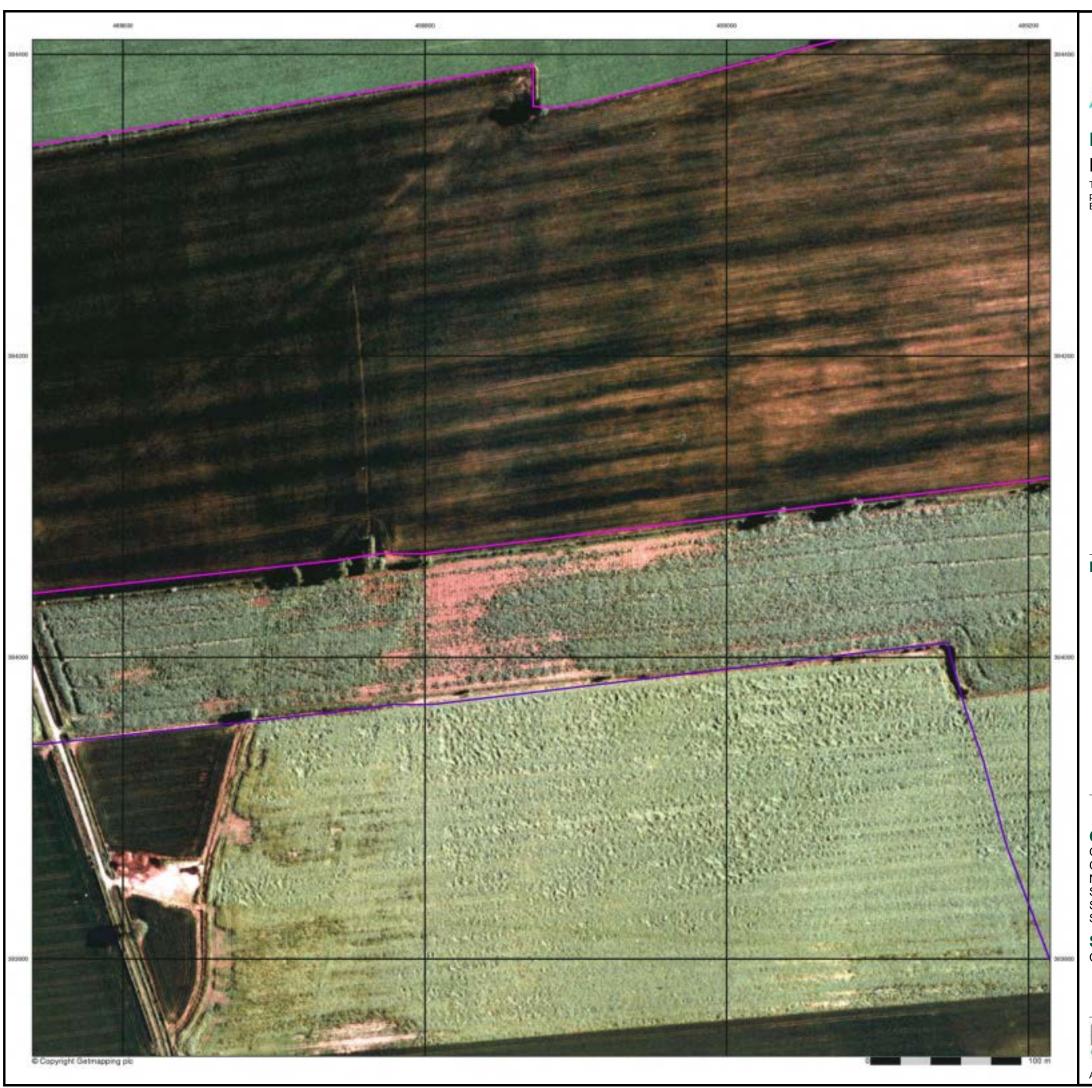
Page 1 of 6







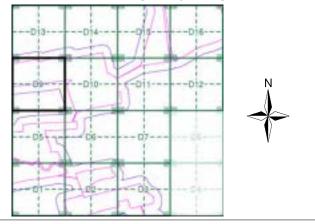






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

### **Historical Aerial Photography - Segment D9**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 489670, 383750

Slice:

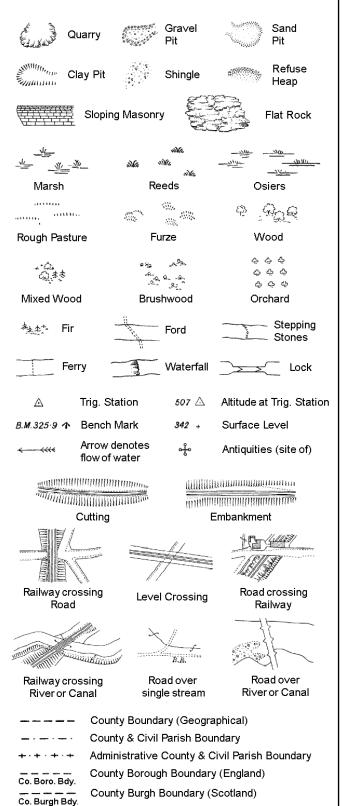
Site Area (Ha): Search Buffer (m): 884.45

**Site Details** 

Cottam 1

Landmark

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



B.R.

E.P

F.B.

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

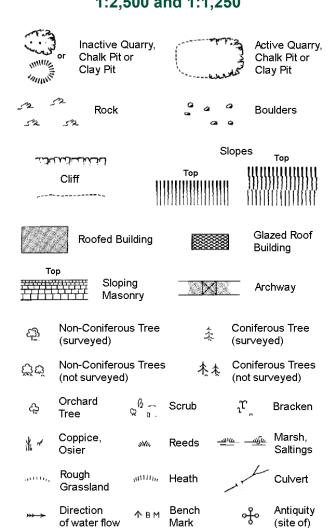
Trough Well

S.P

Sl.

Tr:

Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



**Electricity Transmission Line** 

Cave

County Boundary (Geographical) County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary mereing changes

Triangulation

Electricity

GVC

Gas Governer

Mile Post or Mile Stone

**Guide Post** 

Manhole

Wd Pp

Wks

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Ŧ.

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

# 1:1,250

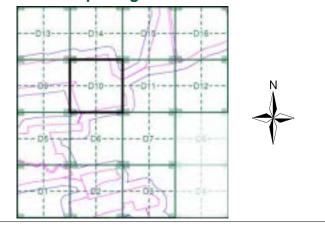
			Slopes			
وأملاند	للنابلا		Тор	1111111	Top 	
	Cliff	1111	HIIIIIIIIIIIII			
Da	Rock		7,52	Rock (so	cattered)	
$\square_{\triangle}$	Boulders		0	Boulders	s (scattered)	
	Positioned	Boulder		Scree		
<u>ක</u> ු	Non-Conifo (surveyed)	erous Tree	*	Coniferd (surveye		
ర్లోలే	Non-Conife (not surve	erous Trees /ed)	***	Conifero	ous Trees /eyed)	
දා	Orchard Tree	Q a.	Scrub	ູນຸ	Bracken	
* ~	Coppice, Osier	siVe,	Reeds 🛥	)രെ <i>—മി</i> ര	Marsh, Saltings	
actin,	Rough Grassland	шин,	Heath	1	Culvert	
<del>**&gt; &gt;</del>	Direction of water flo	ow A	Triangulation Station	, &	Antiquity (site of)	
E <u>T</u> L	_ Electric	ity Transmis	sion Line	$\boxtimes$	Electricity Pylon	
\ <sup>€</sup> / вм	231.60m B	ench Mark	7	Building Building	gs with g Seed	
	Roofe	ed Building		23	azed Roof iilding	
		Civil parish	/community b	oundary		
		District box				
		County box	-			
	,	Boundary p				
۶		Boundary r	nereing symb ear in oppose			
Bks	Barracks		Р	Pillar, Po	le or Post	
Bty	Battery		PO	Post Offi	ce	
Cemy	Cemetery		PC	Public C	onvenience	
Chy	Chimney		Pp	Pump		
Cis	Cistern		Ppg Sta	Pumping		
Dismtd F	•	tled Railway	PW	Place of		
El Gen S	ta Electric Station	ity Generating	Sewage F		ewage umping Station	
EIP	Electricity	Pole, Pillar	SB, S Br	Signal B	ox or Bridge	
El Sub S	ta Electricity	Sub Station	SP, SL	Signal P	ost or Light	
FB	Filter Bed		Spr	Spring		
Fn / D Fr	n Fountain /	Drinking Ftn.	Tk	Tank or T	rack	
Gas Gov	Gas Valve	Compound	Tr	Trough		



#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1975	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

### **Historical Map - Segment D10**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 **Customer Ref:** National Grid Reference: 489670, 383750 Slice:

Site Area (Ha):

884.45 Search Buffer (m):

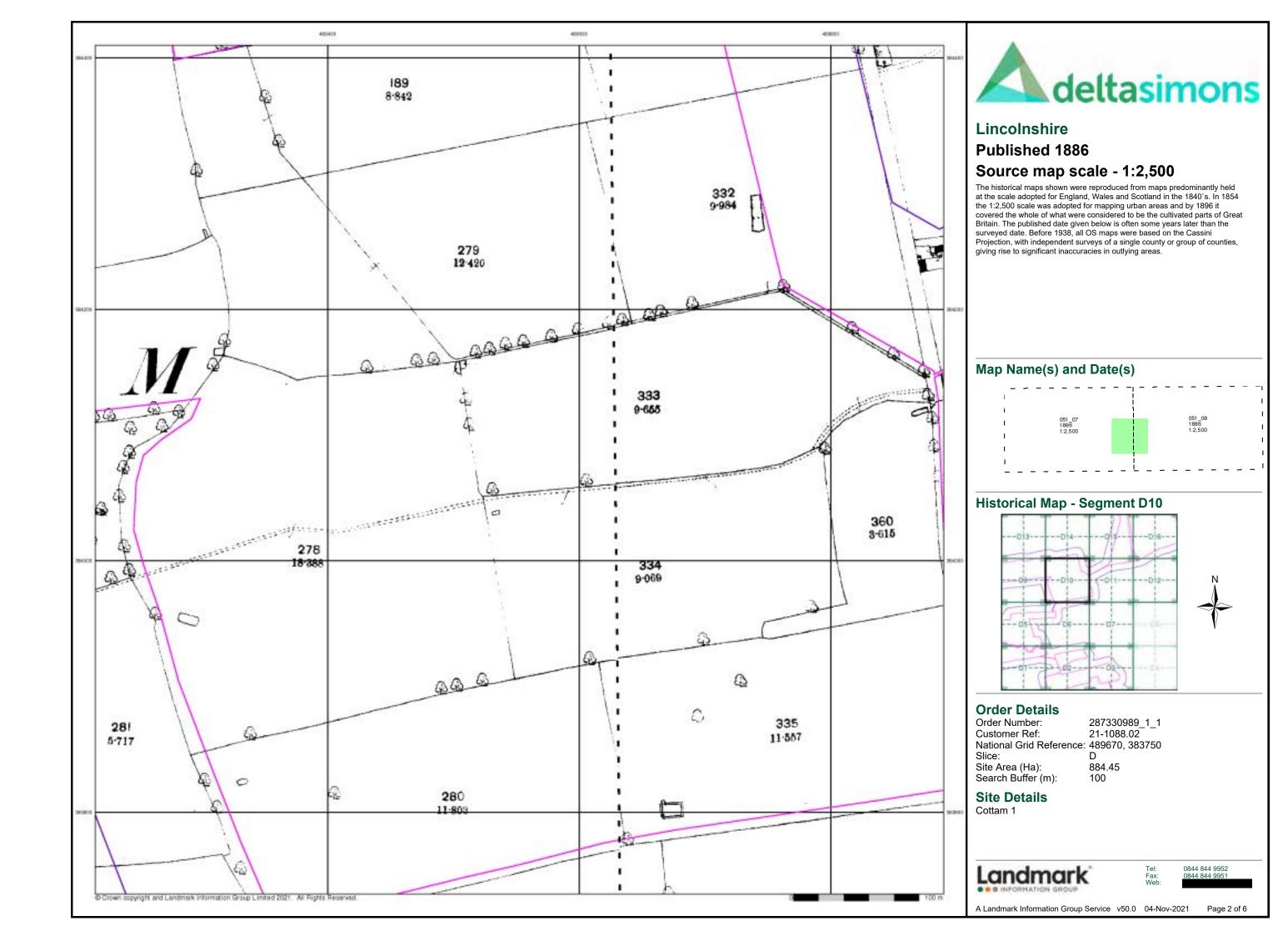
### **Site Details**

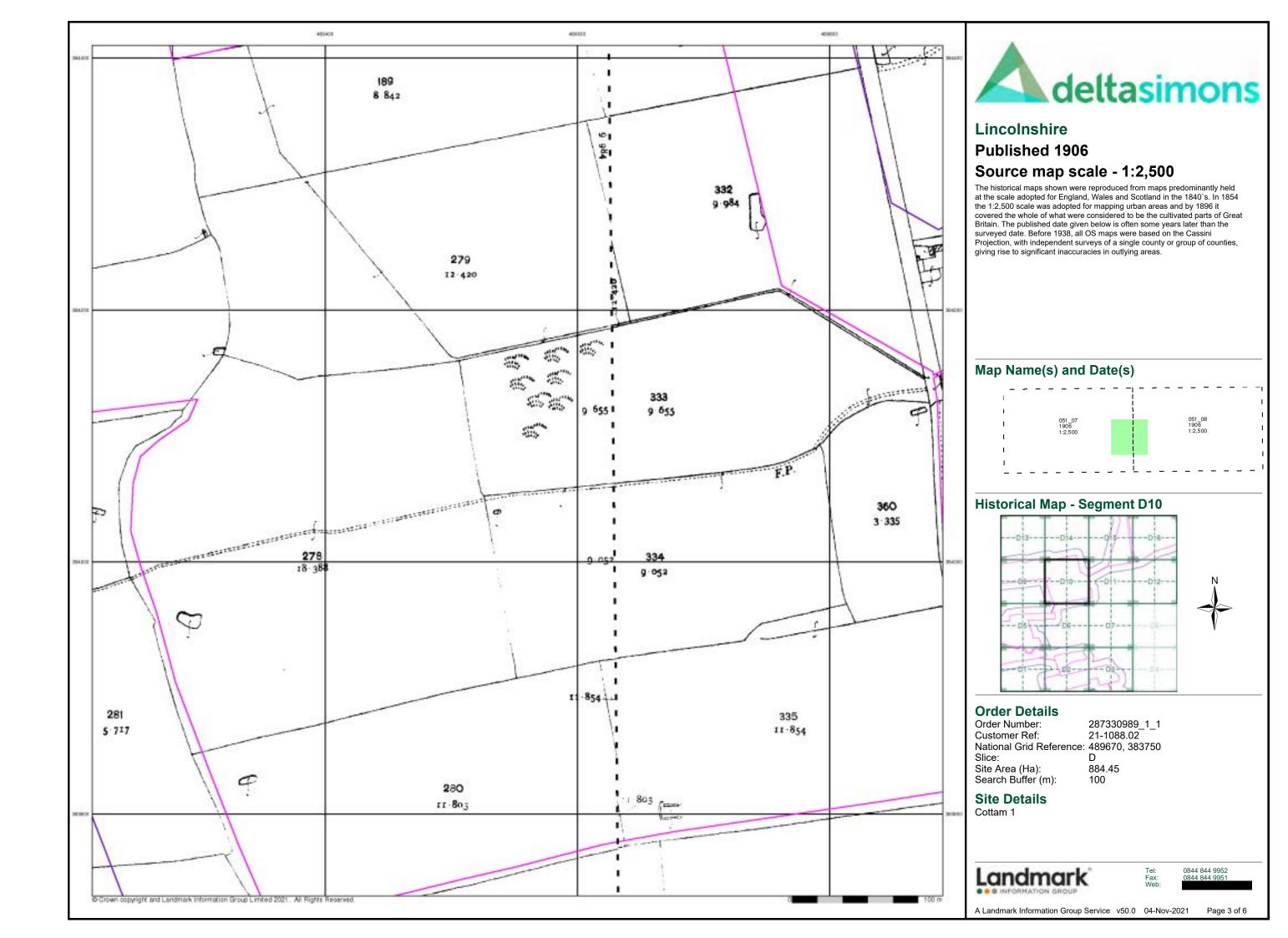
Cottam 1

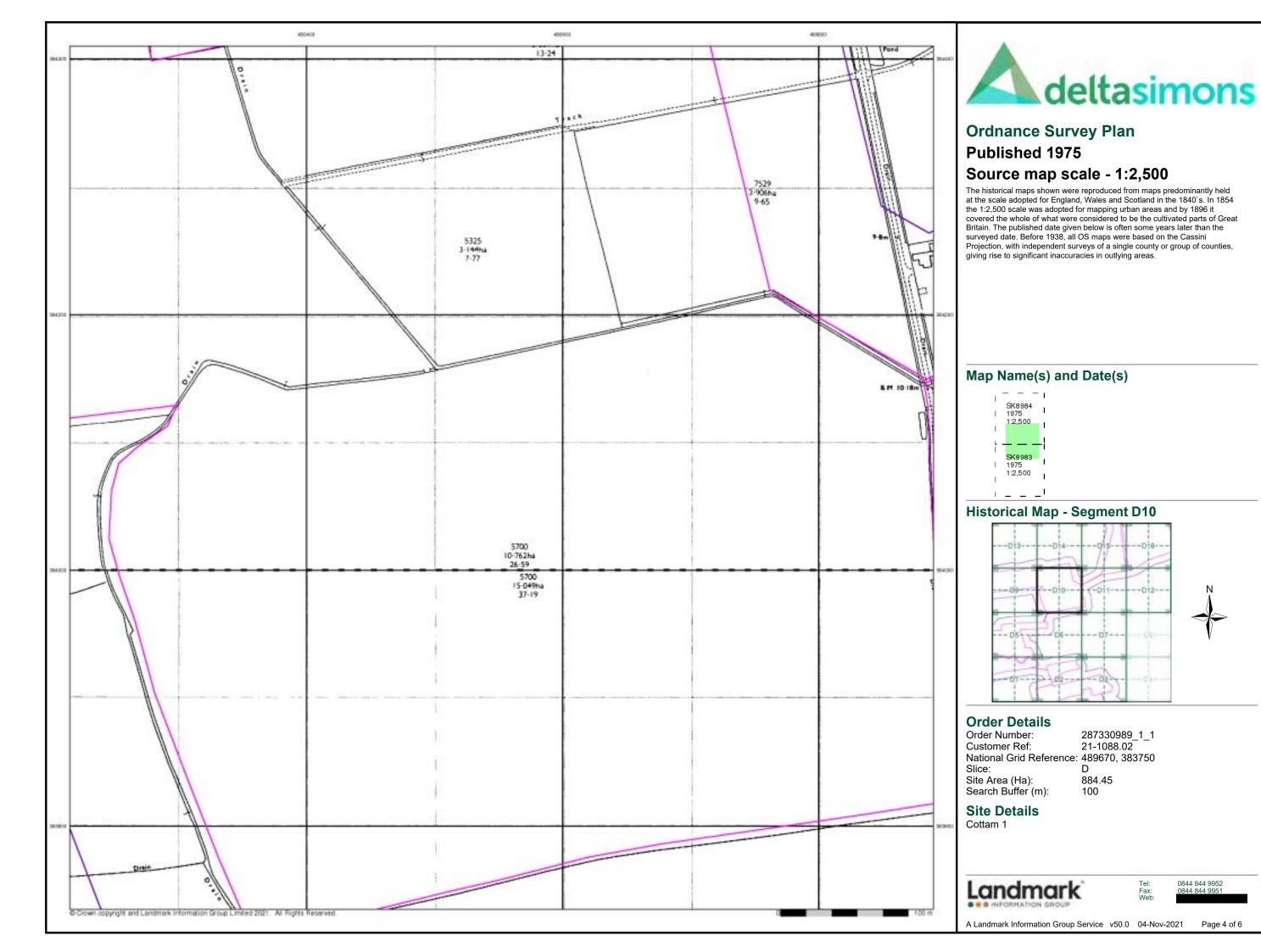


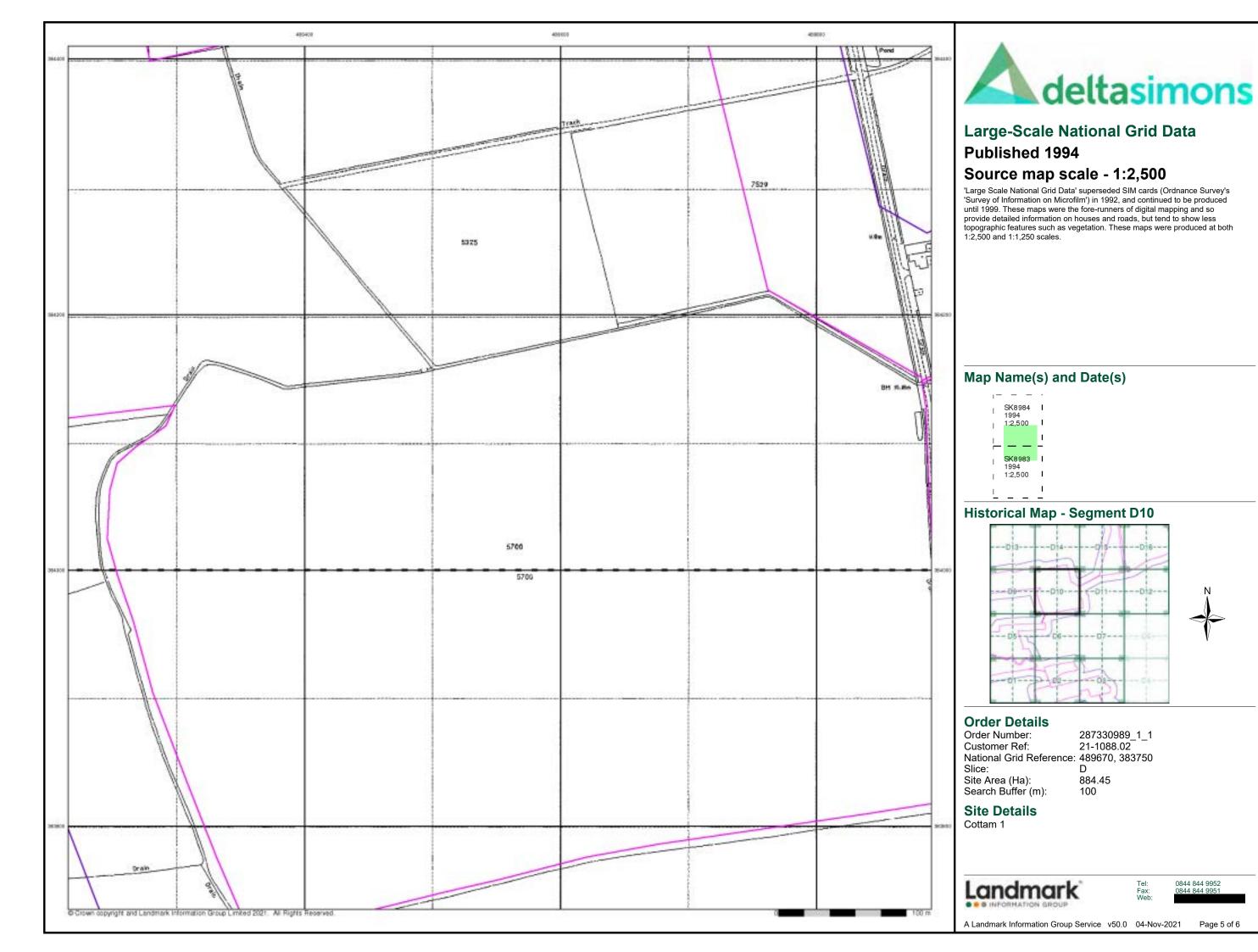
0844 844 9952

Page 1 of 6

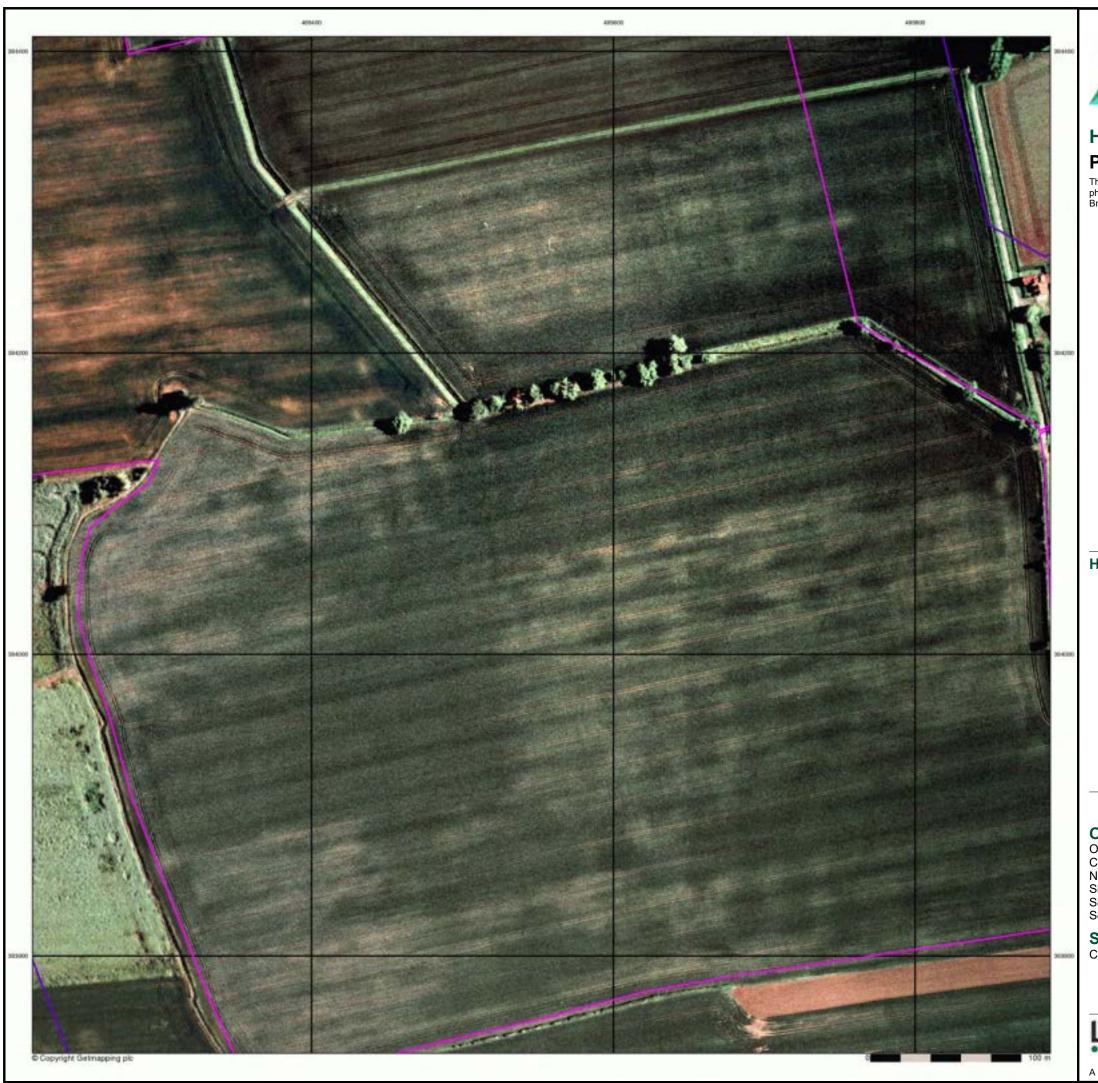








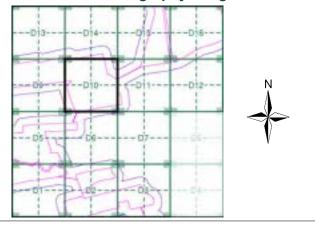
0844 844 9952





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

#### **Historical Aerial Photography - Segment D10**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 489670, 383750

Slice:

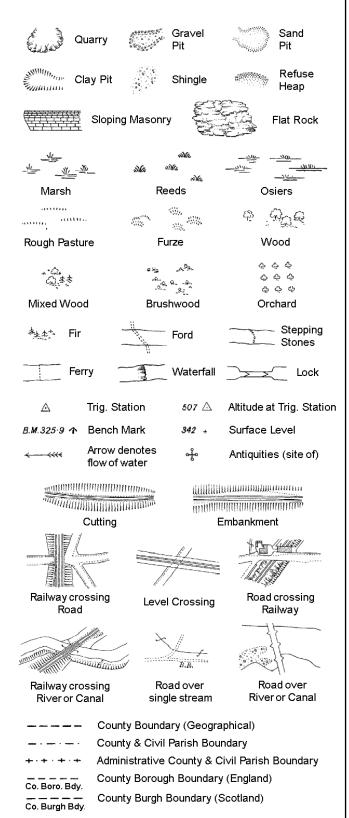
Site Area (Ha): Search Buffer (m): 884.45 100

**Site Details** 

Cottam 1

Landmark

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



B.R.

E.P

F.B.

M.S

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

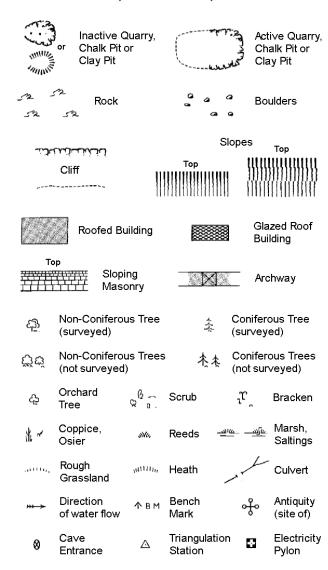
Trough Well

S.P

Sl.

Tr:

#### Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



### **Electricity Transmission Line** County Boundary (Geographical)

County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary mereing changes

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

# 1:1,250

		Slopes Top			
	טנאנטני	Тор	111111111111111111		
	Cliff		))))))		
,					
523	Rock	23	Rock (scattered)		
$\triangle_{a}$	Boulders	Δ	Boulders (scattered)		
	Positioned Boulder		Scree		
ফ্র	Non-Coniferous Tree (surveyed)	*	Coniferous Tree (surveyed)		
Öö	Non-Coniferous Tree (not surveyed)	s AA	Coniferous Trees (not surveyed)		
Ą.	Orchard $Q = Q = Q = Q$	Scrub	<sub>າ</sub> ຕຸ Bracken		
* ~	Coppice, Ma Osier	Reeds 🛥	اس <u>سان</u> د Marsh, Saltings		
astile,	Rough ,unin,, Grassland	Heath	Culvert		
<del>*** &gt;</del>	Direction $\triangle$ of water flow	Triangulation Station	Antiquity (site of)		
_ E_TL _	_ Electricity Transm	ission Line	Electricity Pylon		
<del>k</del>   ΒΜ	231.60m Bench Mark	· 7	Buildings with Building Seed		
	Roofed Building		Glazed Roof Building		
· ·	Civil paris	h/community boundary	oundary		
_ •	—— County bo	oundary			
٥	Boundary	post/stone			
_0	•		ol (note: these ed pairs or groups		
Bks	Barracks	P	Pillar, Pole or Post		
Bty	Battery	PO	Post Office		
Cemy	Cemetery	PC	Public Convenience		
Chy Cis	Chimney Cistern	Pp Ppg Sta	Pump Pumping Station		
Dismtd R		PW	Place of Worship		
El Gen S	•	g Sewage F	•		
EIP	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge		
	ta Electricity Sub Station	SP, SL	Signal Post or Light		
FB	Filter Bed	Spr	Spring		
Fn / D Fn	Fountain / Drinking Ftn	. Tk	Tank or Track		

Gas Valve Compound

Mile Post or Mile Stone

Gas Governer

**Guide Post** 

Manhole

Tr

Wd Pp

Wks

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

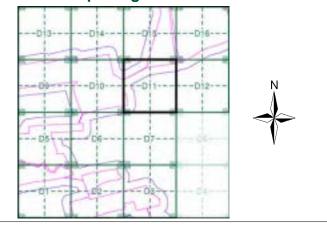
Works (building or area)



#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1974 - 1975	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

### **Historical Map - Segment D11**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 **Customer Ref:** National Grid Reference: 489670, 383750 Slice:

884.45 Site Area (Ha): Search Buffer (m):

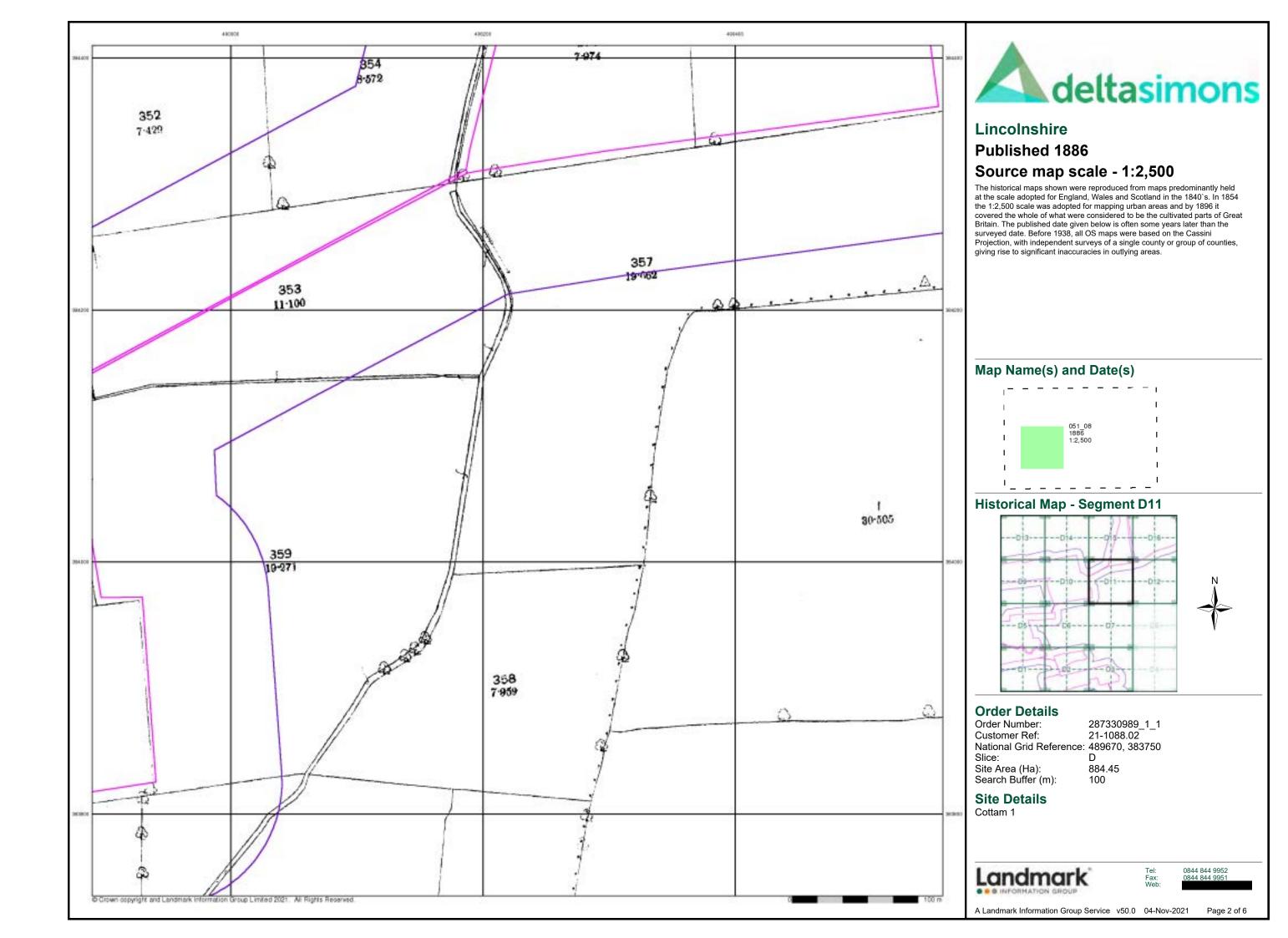
**Site Details** Cottam 1

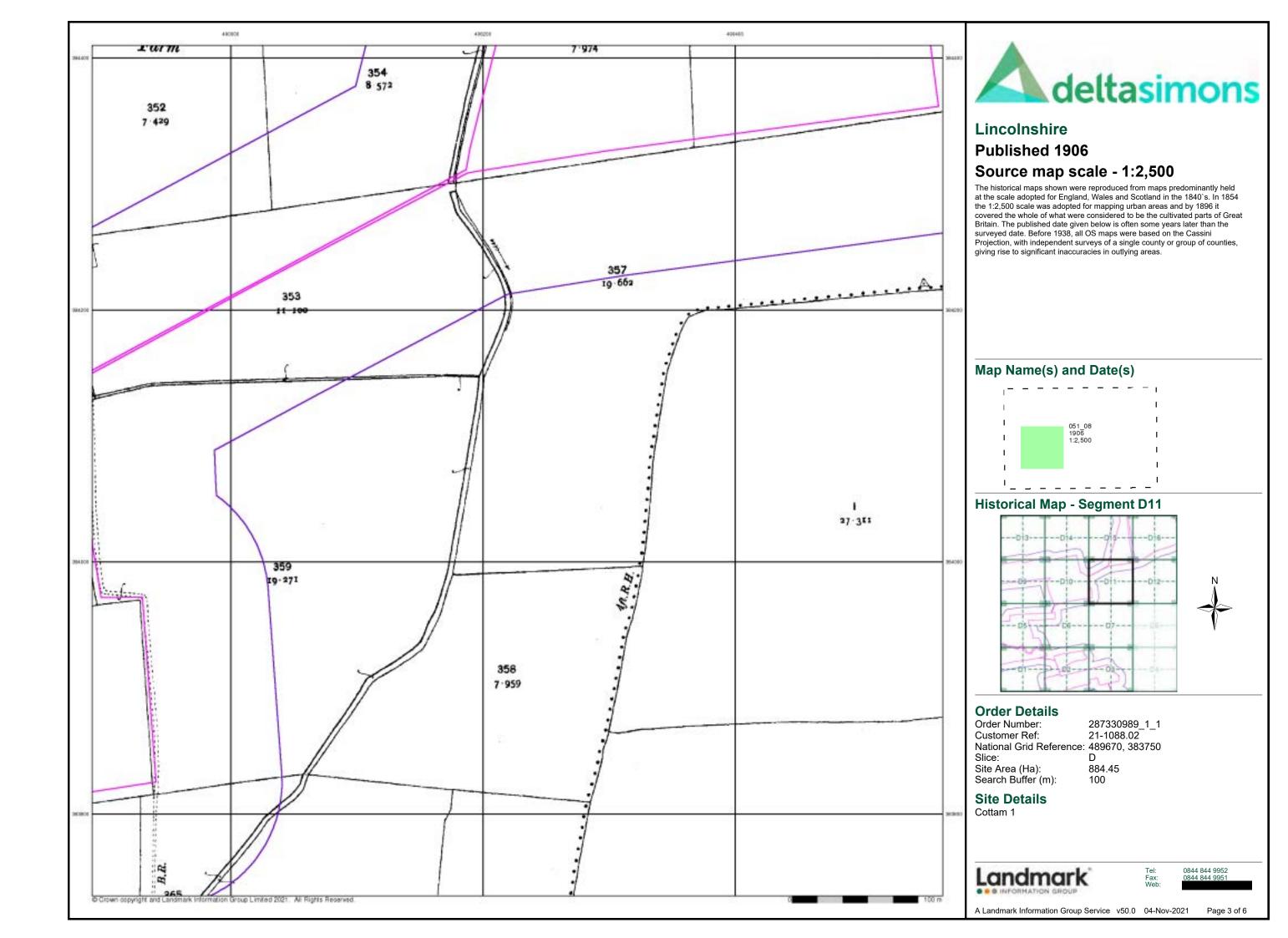
Landmark

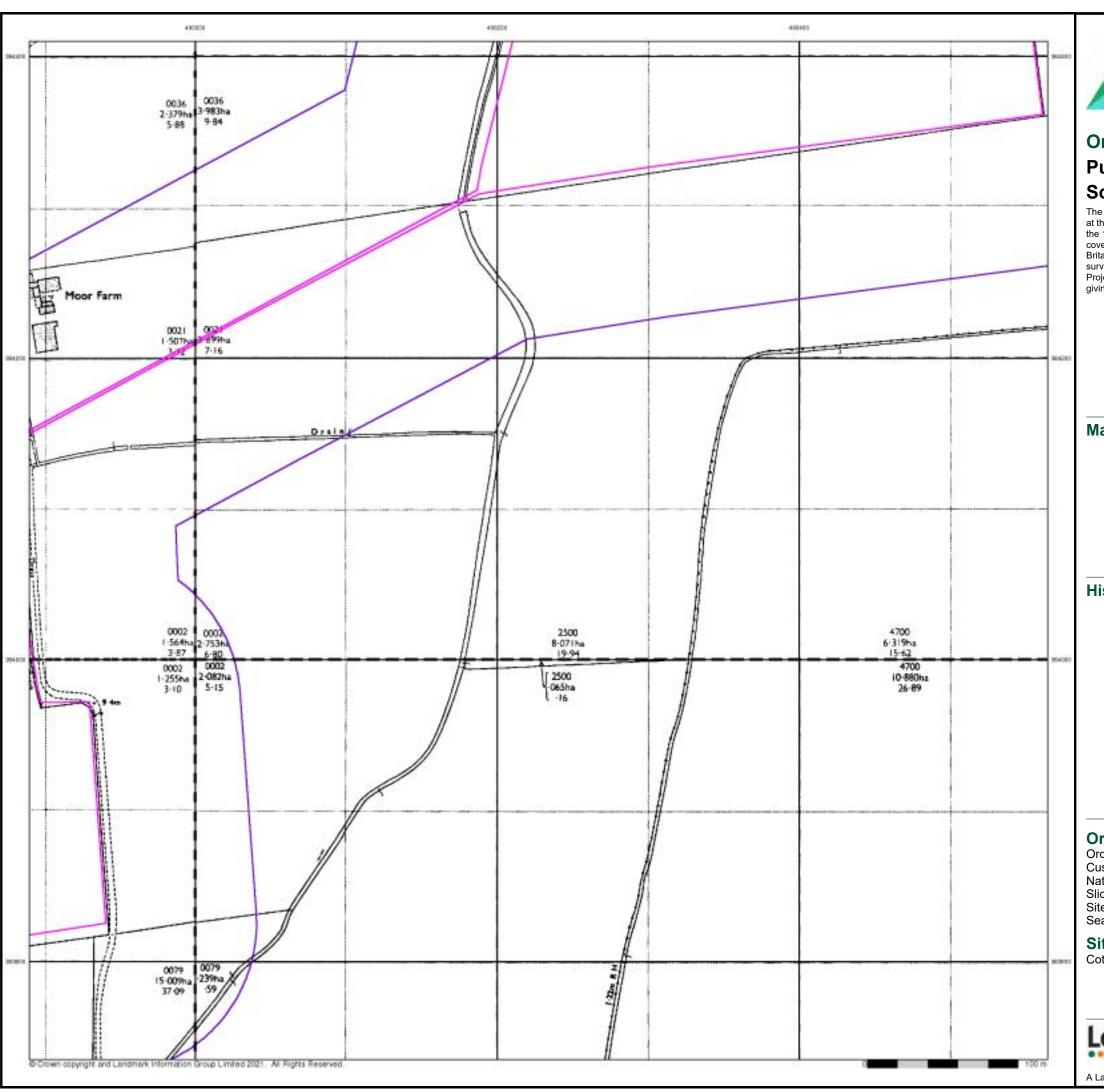
0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021

Page 1 of 6





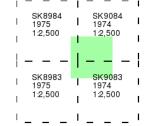




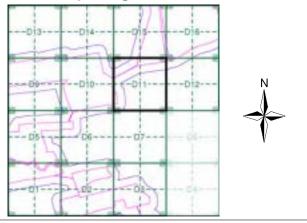
### **Ordnance Survey Plan Published 1974 - 1975** Source map scale - 1:2,500

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 D11**



#### **Order Details**

Order Number: 287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 489670, 383750 Slice:

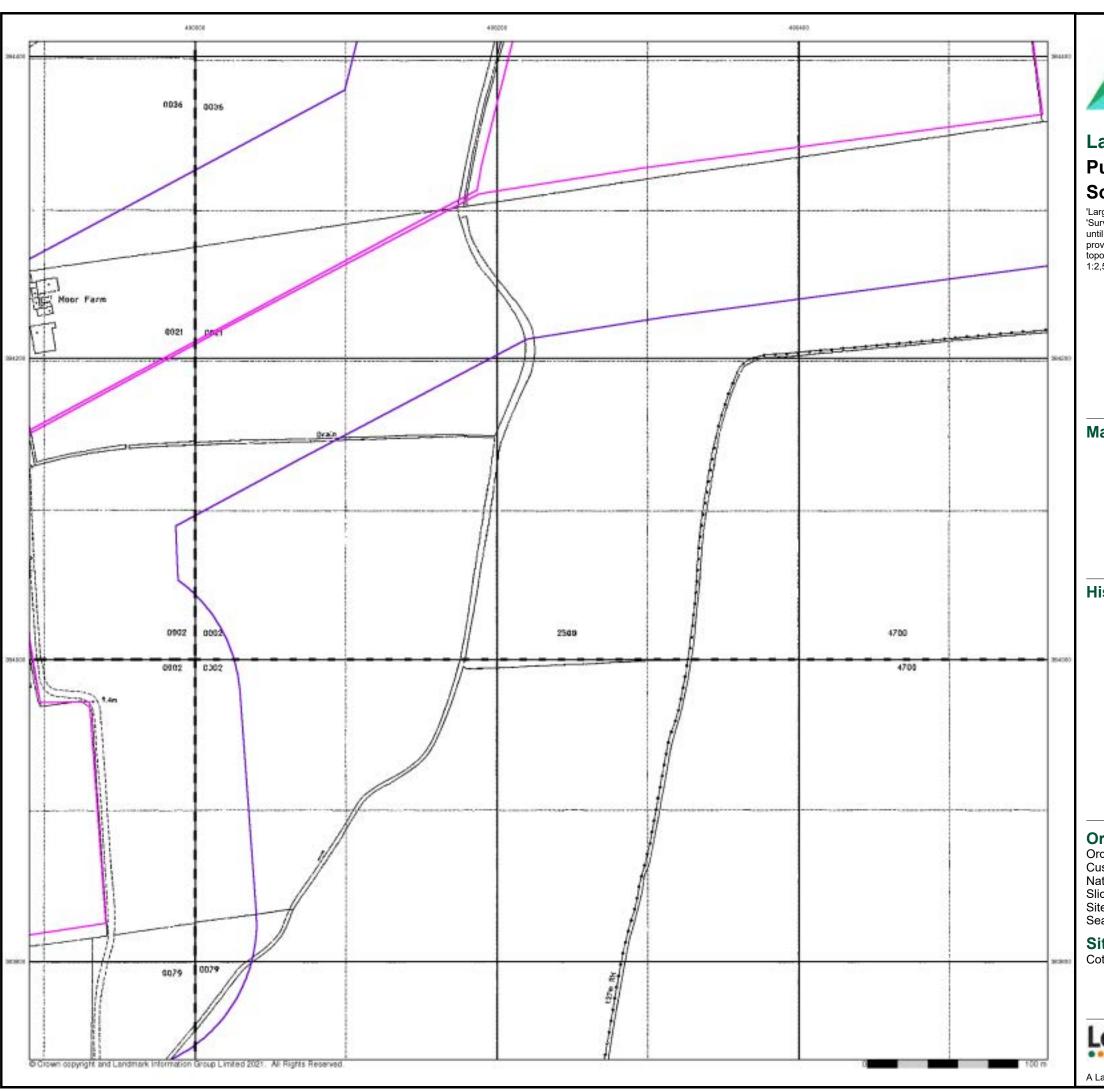
Site Area (Ha): Search Buffer (m): 884.45

### **Site Details**

Cottam 1



0844 844 9952





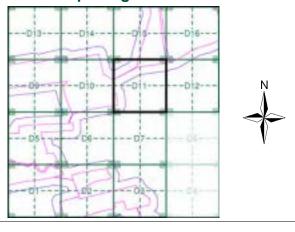
### **Large-Scale National Grid Data** Published 1994 Source map scale - 1:2,500

'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)

 	SK8984 1994 1:2,500	1	SK908 1994 1:2,50	-	
<u>-</u>	 SK8983	<u>-</u> -	_ SK90	<b>-</b> 83	-
l I	1994 1:2,500	I I	1994 1:2,50	0	

#### **Historical Map - Segment D11**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 489670, 383750 Slice:

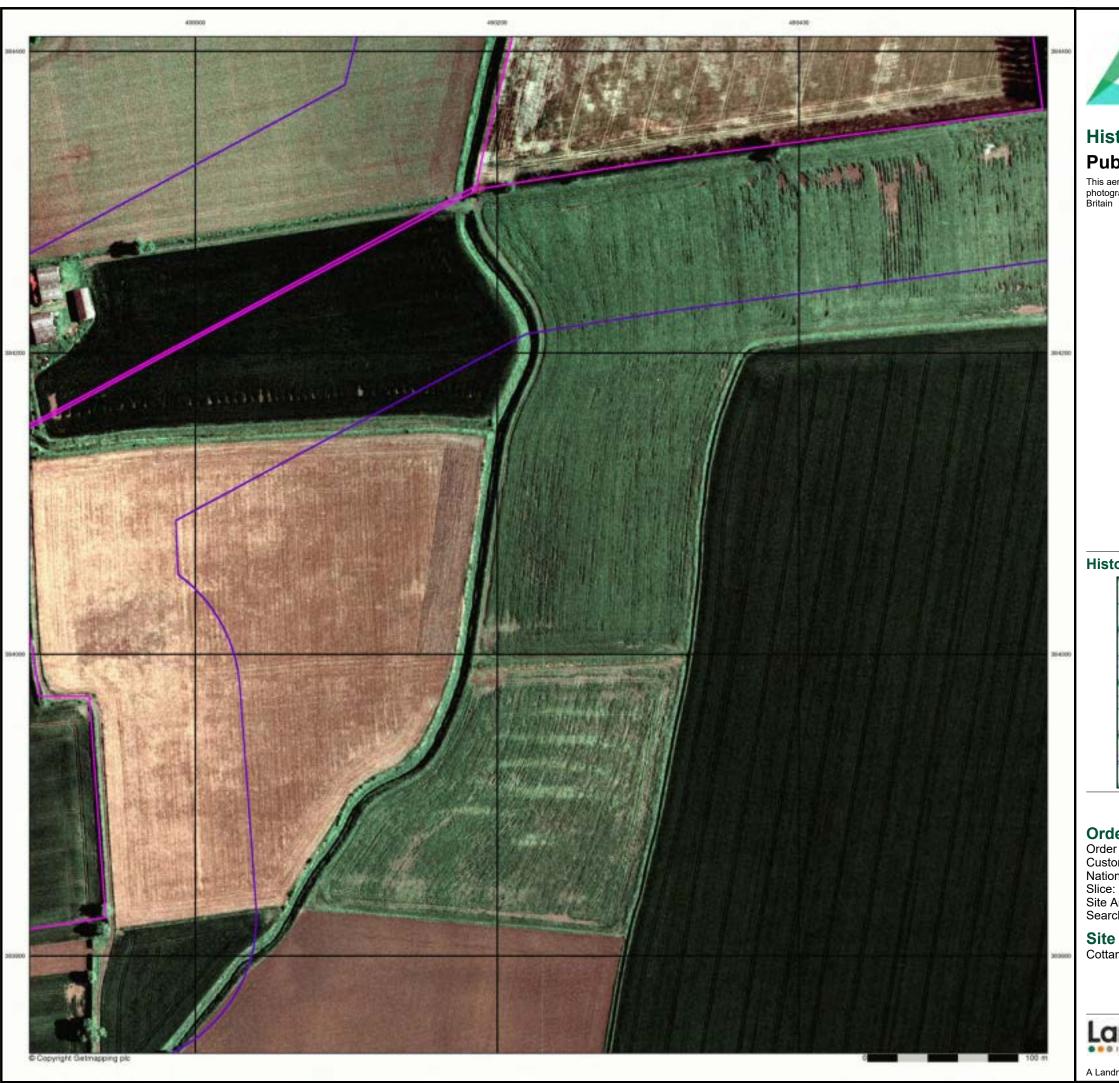
Site Area (Ha): Search Buffer (m): 884.45

### **Site Details**

Cottam 1



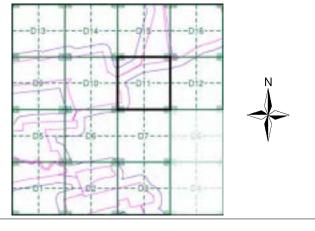
0844 844 9952





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

#### **Historical Aerial Photography - Segment D11**



#### **Order Details**

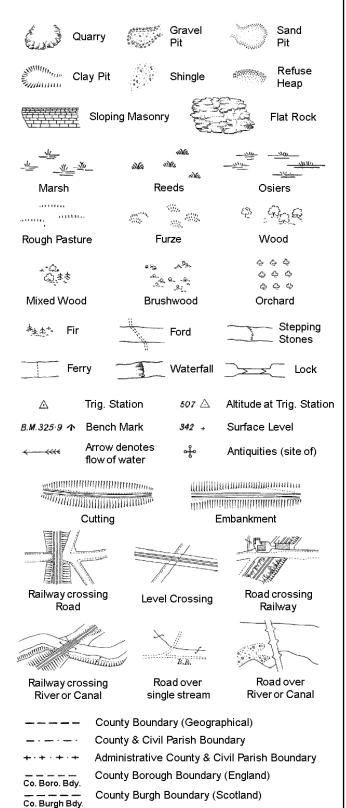
Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 489670, 383750

Site Area (Ha): Search Buffer (m): 884.45 100

**Site Details** Cottam 1

Landmark

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



B.R.

EP

F.B.

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

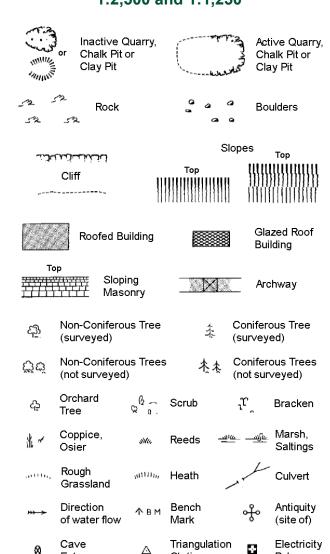
Trough Well

S.P

Sl.

Tr:

#### Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



E <u>T</u> L	Electricity Transmission	Line

	anony transmission line
	County Boundary (Geographical)
· — · — ·	County & Civil Parish Boundary
	Civil Parish Boundary
· <del>- +</del> · - + ·	Admin. County or County Bor. Boundary
L B Bdy	London Borough Boundary
~ ***	Symbol marking point where boundary mereing changes

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

GVC

Gas Governer

Mile Post or Mile Stone

**Guide Post** 

Manhole

Wd Pp

Wind Pump Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

# 1:1,250

Slopes

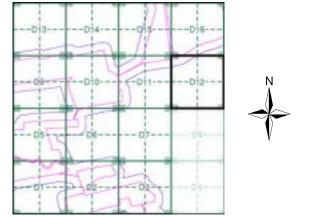
ويمالي	لانتخاف		510	pes .	Гор
	Cliff	T-	op 11111111111	!!!!!!!	<b>!!!!!!!!!!</b>
~ · · · · · · ·				1111111	((((((((
12°	Rock		S	Rock (sc	attered)
$\triangle$	Boulders		<u>a</u>	Boulders	(scattered)
	Positioned Bould	ler		Scree	
දවු	Non-Coniferous (surveyed)	Tree	\$	Conifero (surveye	
ਨੁੱਖ	Non-Coniferous (not surveyed)	Trees	<del></del>	Conifero (not surv	us Trees eyed)
දා	Orchard Tree ♀	ß ົ Scr	ub	'n,	Bracken
* ~	Coppice, Osier	ων. Re∈	eds <u></u>	<u>ল —স্</u> যুদ্	Marsh, Saltings
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Rough Grassland	шь, Неа	ath	1	Culvert
<del>&gt;&gt;&gt; →</del>	Direction of water flow		ingulation tion	्रे	Antiquity (site of)
E_T_L	_ Electricity Tra	nsmissior	n Line	$\boxtimes$	Electricity Pylon
\ <del>\</del>	291.60m Bench	Mark		Building Building	ıs with ı Seed
	Roofed Buil	ding		51	azed Roof ilding
	· · · Civil:	oarish/con	nmunity b	oundarv	
		ct bounda	-	-	
_ •	Coun	ty bounda	ry		
٥	Boun	dary post/	stone		
٥	Boun	dary mere s appear	ing symbo		
Bks	Barracks		Р	Pillar, Pol	e or Post
Bty	Battery		РО	Post Offic	e
Cemy	Cemetery		PC		nvenience
Chy	Chimney		Pp	Pump	<b>-</b>
Cis	Cistern	h	Ppg Sta PW	Pumping	
Dismtd F El Gen S	•	•	PW Sewage P <sub>l</sub>	Place of V og Sta Se	vorsnip wage
ELD	Station	_		Pu	mping Station
EIP	Electricity Pole, Pi		SB, S Br		ox or Bridge
	ta Electricity Sub Sta Filter Bed	ation	SP, SL	_	st or Light
FB Fn/DFr		a Etn	Spr Tk	Spring Tank or T	rack
Gas Gov		_	Tr	Trough	Idon



#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

#### **Historical Map - Segment D12**



#### **Order Details**

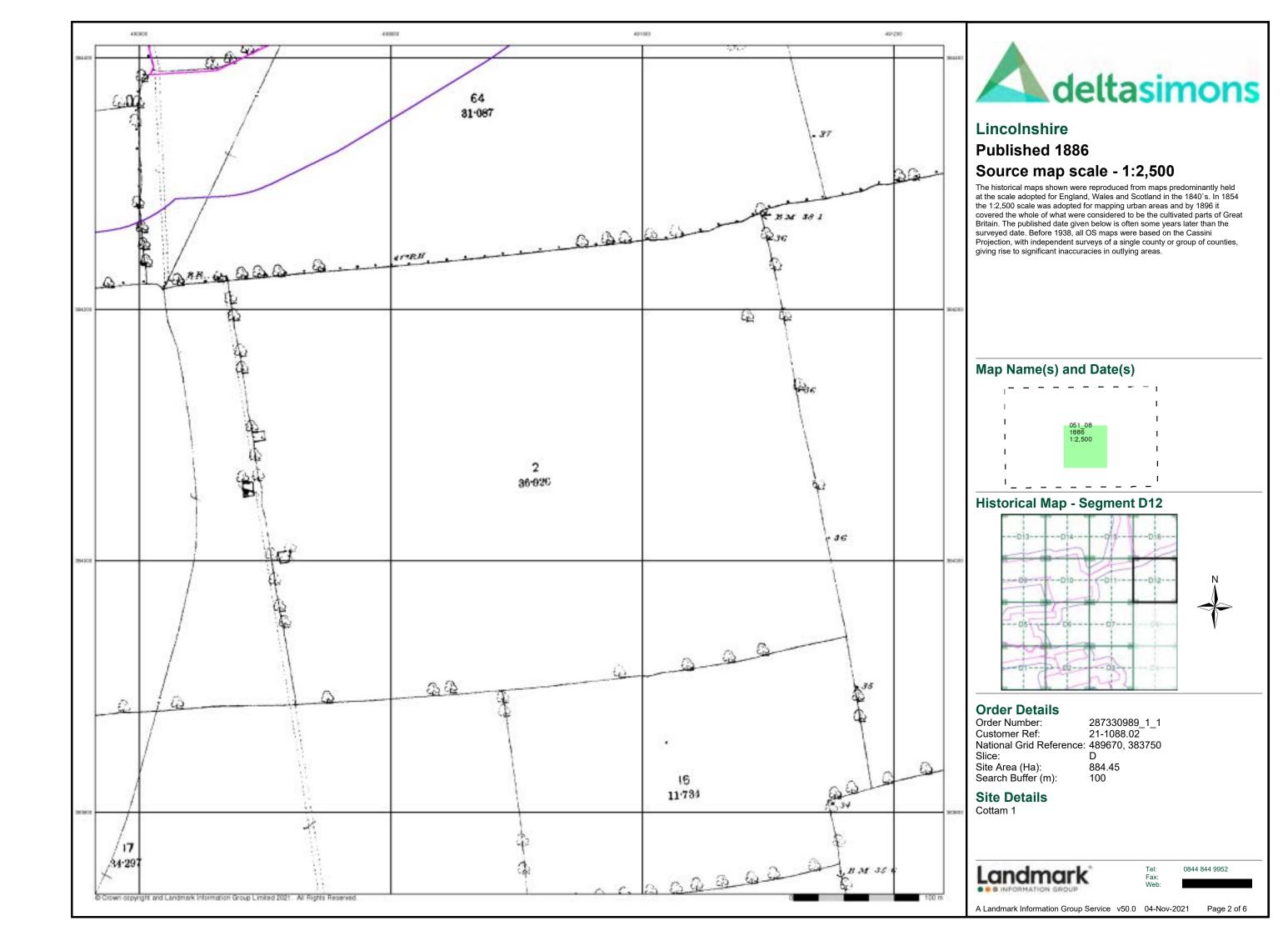
Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 489670, 383750 Slice: Site Area (Ha): 884.45

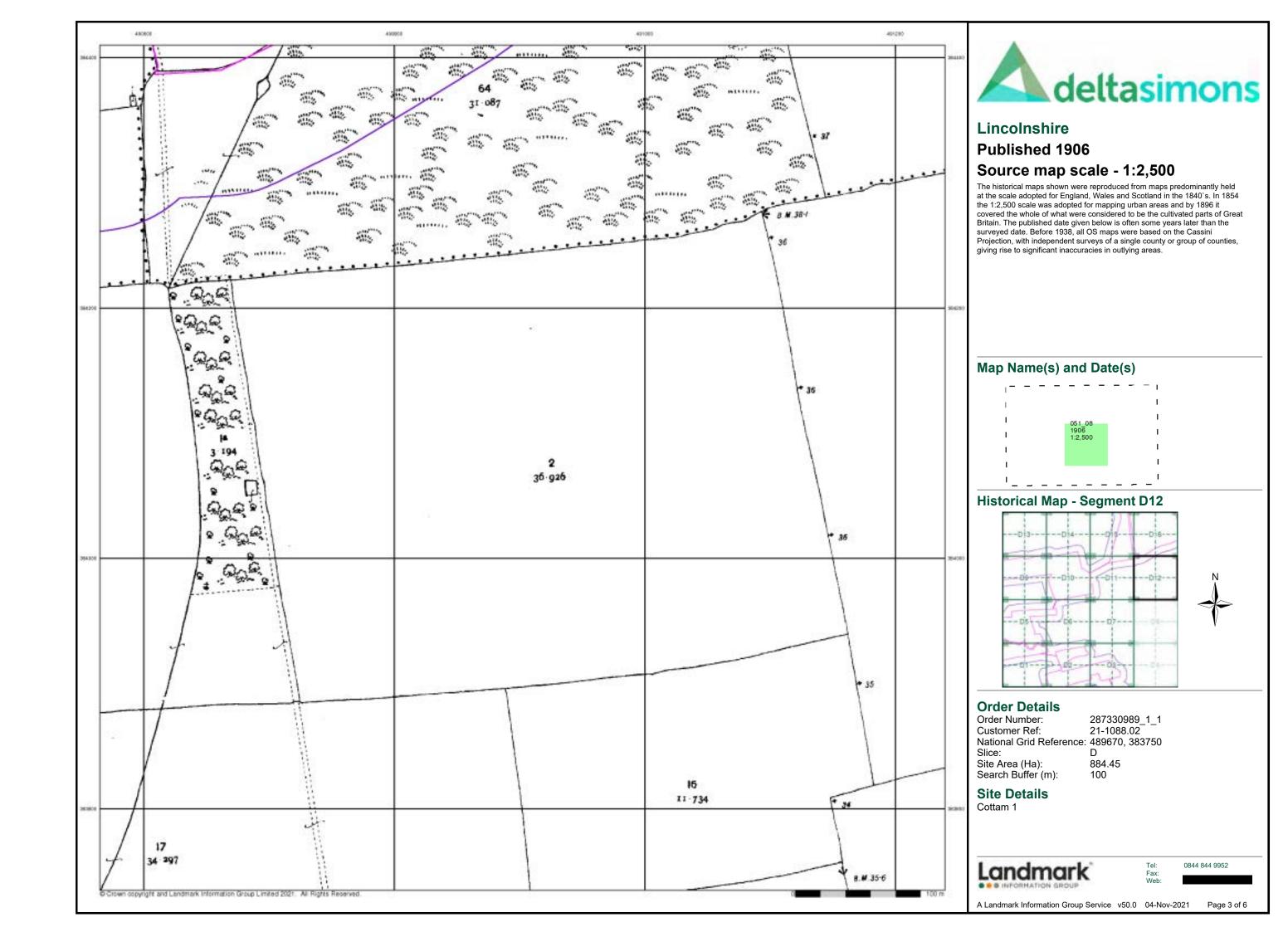
Search Buffer (m):

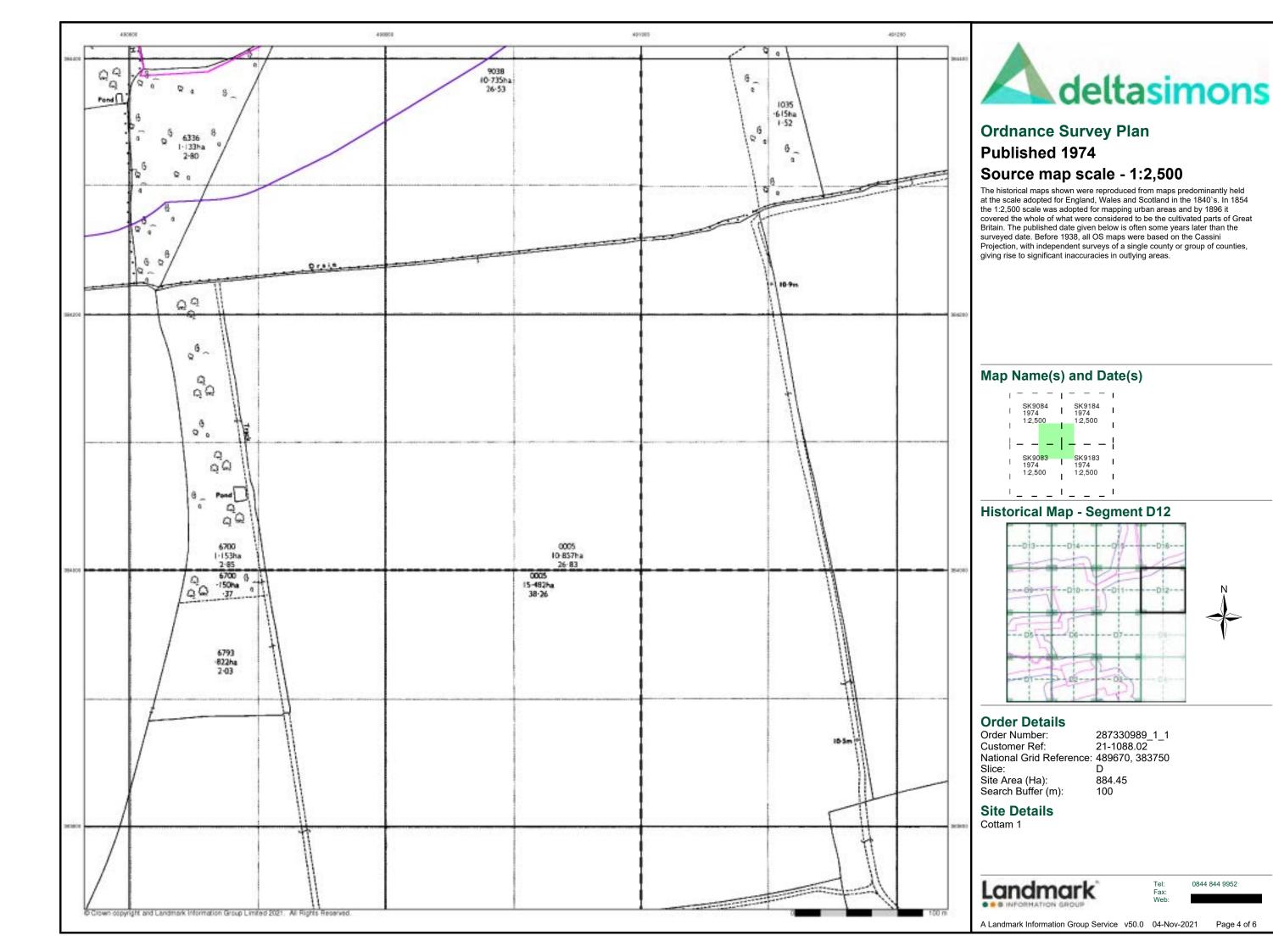
**Site Details** Cottam 1

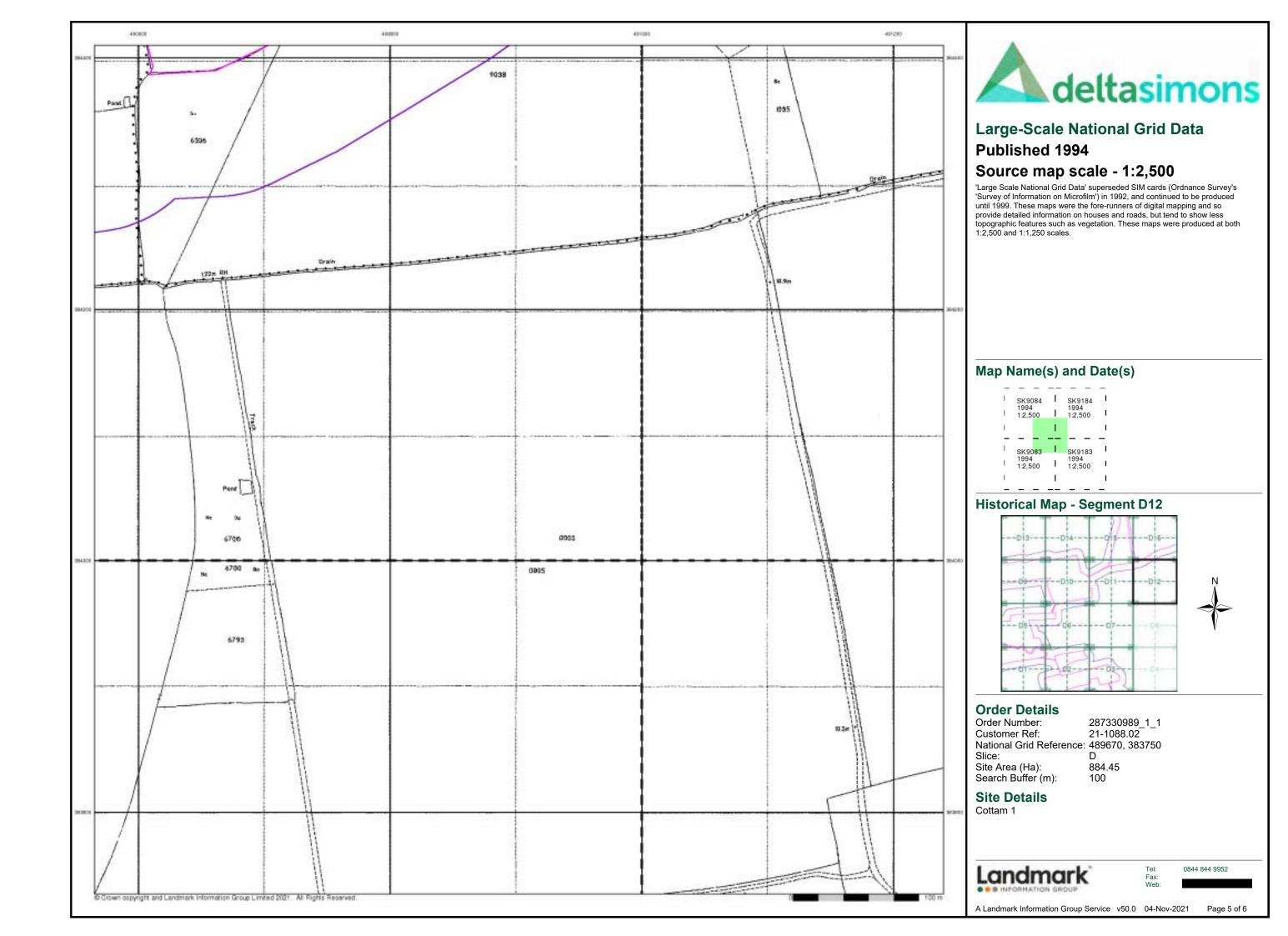


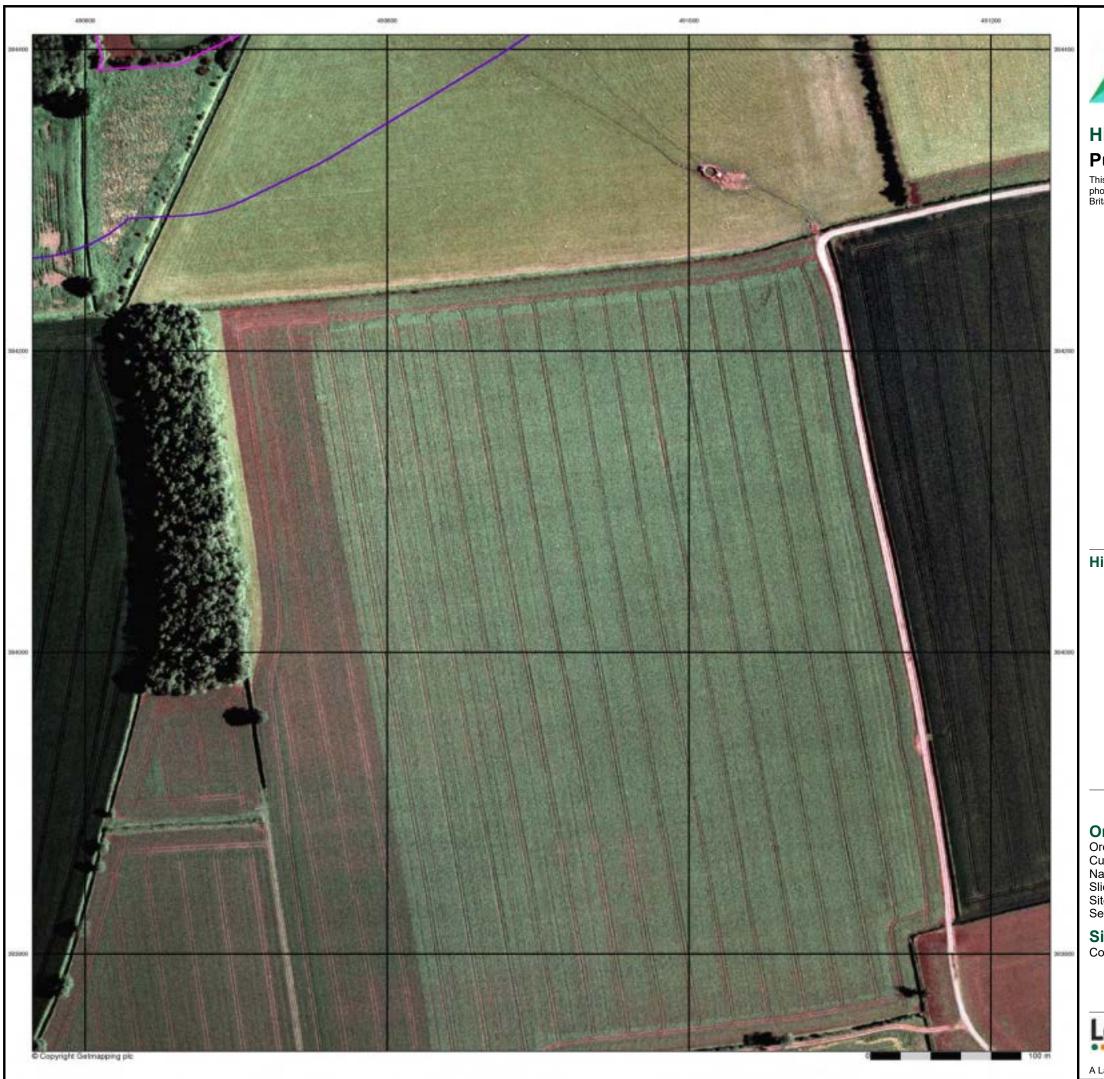
0844 844 9952







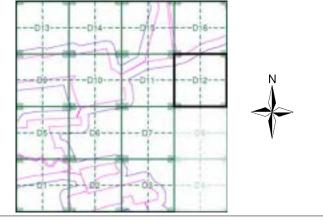






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

#### **Historical Aerial Photography - Segment D12**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 489670, 383750

Slice:

Site Area (Ha): Search Buffer (m): 884.45 100

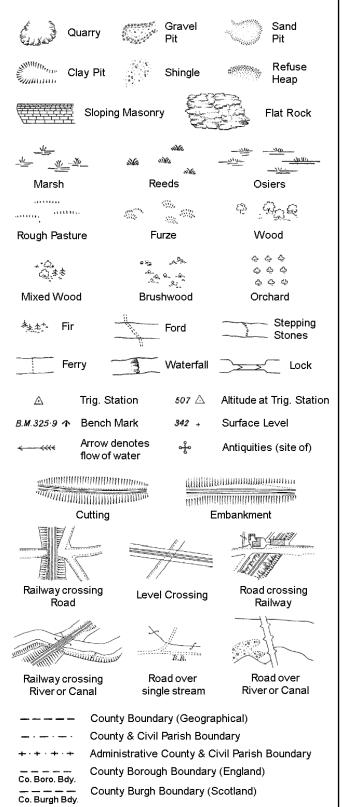
**Site Details** 

Cottam 1

Landmark'

0844 844 9952

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



B.R.

E.P

F.B.

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

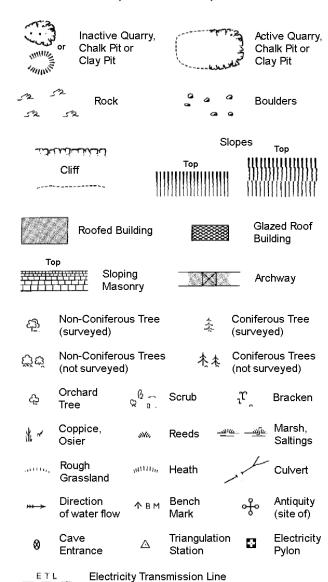
Trough Well

S.P

Sl.

Tr:

#### Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



	County Boundary (Geographical)
	County & Civil Parish Boundary
	Civil Parish Boundary
· <del></del> · <del></del> ·	Admin. County or County Bor. Boundary
L B Bdy	London Borough Boundary
25	Symbol marking point where boundary

mereing changes

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

# 1:1,250

المأملاند	لالكالمالد		SI	opes	Тор
)	Cliff		Top		<b>1                                    </b>
523	Rock		7,3	Rock (s	scattered)
$\triangle_{\Delta}$	Boulders		Δ	Boulde	rs (scattered)
	Positioned	Boulder		Scree	
<u> 원</u>	Non-Conif	erous Tree )	*	Conifer (surve)	rous Tree yed)
ర్రోల్డ	Non-Conif	erous Trees yed)	* **		rous Trees rveyed)
දා	Orchard Tree	Q a.	Scrub	$^{j}\mathcal{U}_{\hat{a}}$	Bracken
* ~	Coppice, Osier	siHe,	Reeds ==	<u>வட — அட</u> ்	Marsh, Saltings
arrin,	Rough Grassland	mm,	Heath	1	Culvert
<del>*** &gt;</del>	Direction of water flo	Δ	Triangulatio Station	n of	Antiquity (site of)
_ E T L	Electric	ity Transmis	ssion Line	$\boxtimes$	Electricity Pylon
\ <del>\</del>	231.6ûm E	Bench Mark			ngs with ng Seed
	Roofe	ed Building		525	Glazed Roof Building
		Civil narish	n/community l	houndar	v
		District bo	=	oounuu.	,
_	_	County box	•		
		=	<del>-</del>		
٥			mereing syml pear in oppos		
Bks	Barracks		Р	Pillar, P	ole or Post
Bty	Battery		PO	Post Of	
Cemy	Cemetery		PC	Public (	Convenience
Chy	Chimney		Рр	Pump	
Cis	Cistern		Ppg Sta	•	ng Station
Dismtd R	•	tled Railway	PW Saurana I		fWorship
El Gen St	ta Electric Station	ity Generating	Sewage I		Sewage Pumping Station
EIP	Electricity	Pole, Pillar	SB, S Br	Signal	Box or Bridge
El Sub St	a Electricity	Sub Station	SP, SL	Signal	Post or Light
FB	Filter Bed		Spr	Spring	

Fn / D Fn Fountain / Drinking Ftn.

Gas Governer

**Guide Post** 

Manhole

GVC

Gas Valve Compound

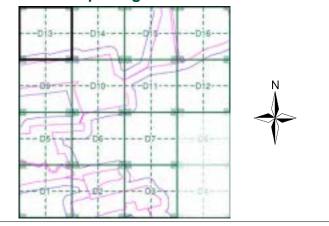
Mile Post or Mile Stone



#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1972 - 1975	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

### **Historical Map - Segment D13**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 489670, 383750 Slice:

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

884.45

**Site Details** Cottam 1

Tank or Track

Works (building or area)

Trough

Wind Pump Wr Pt. Wr T Water Point, Water Tap

Tr

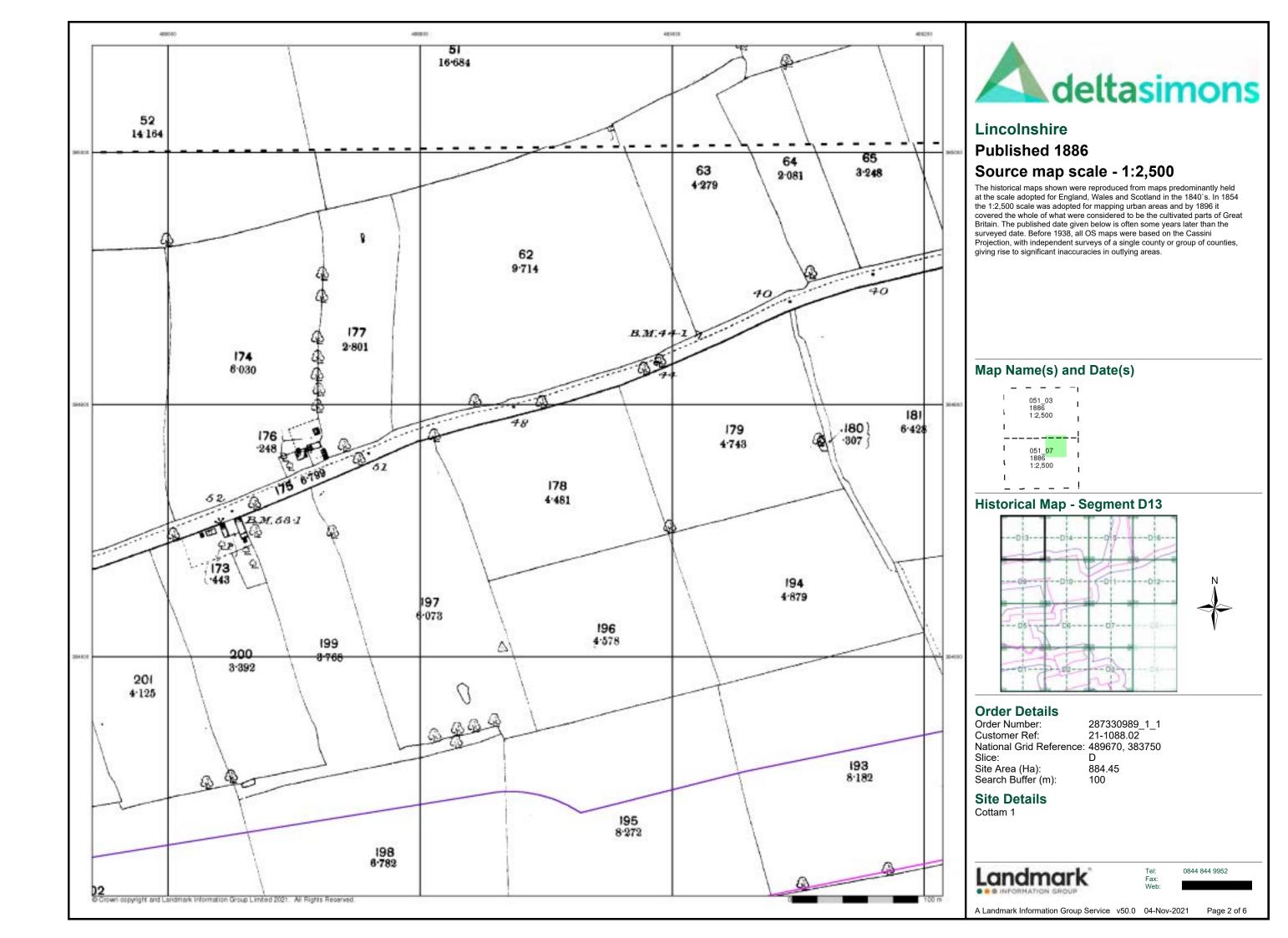
Wd Pp

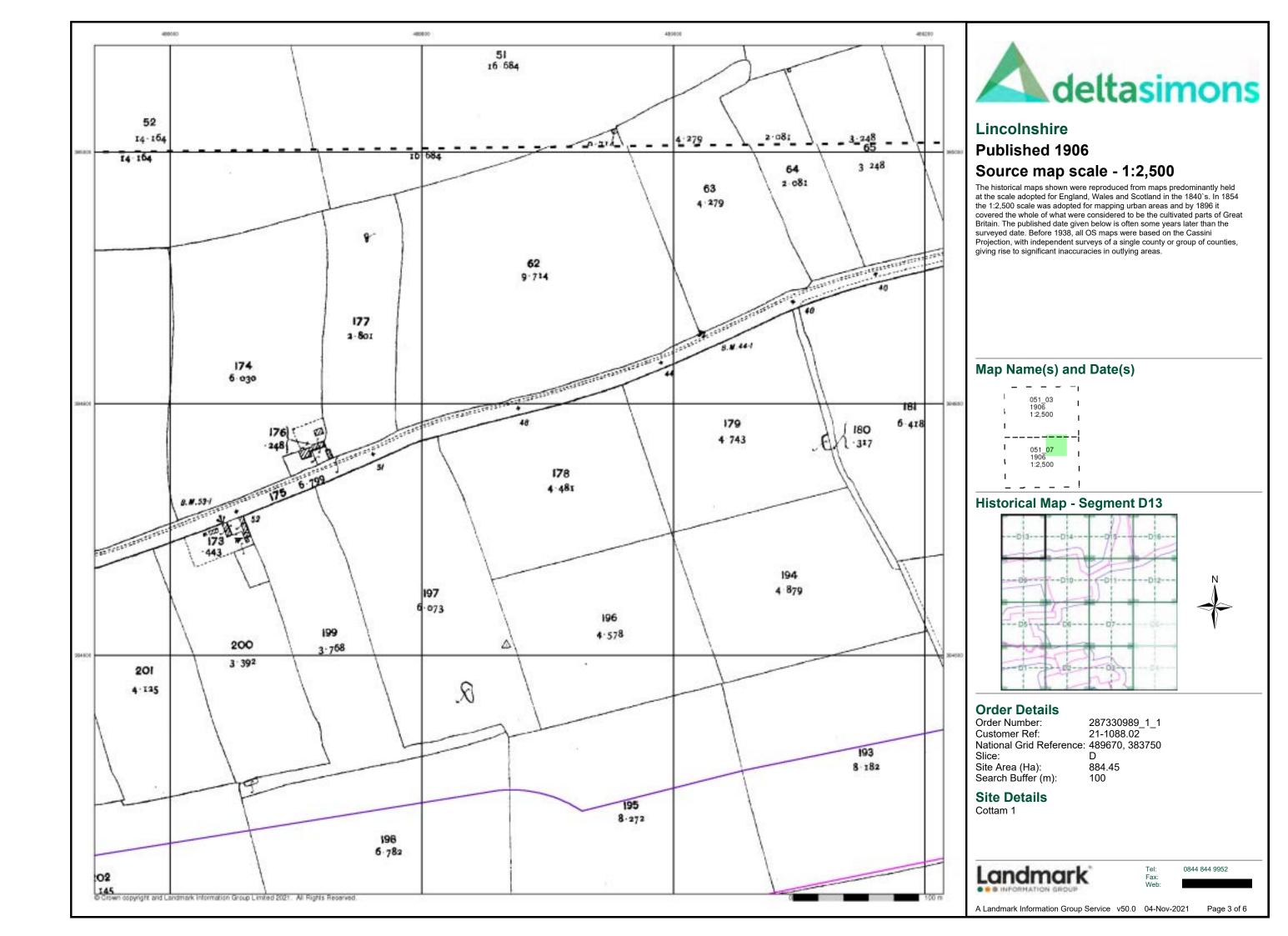
Wks

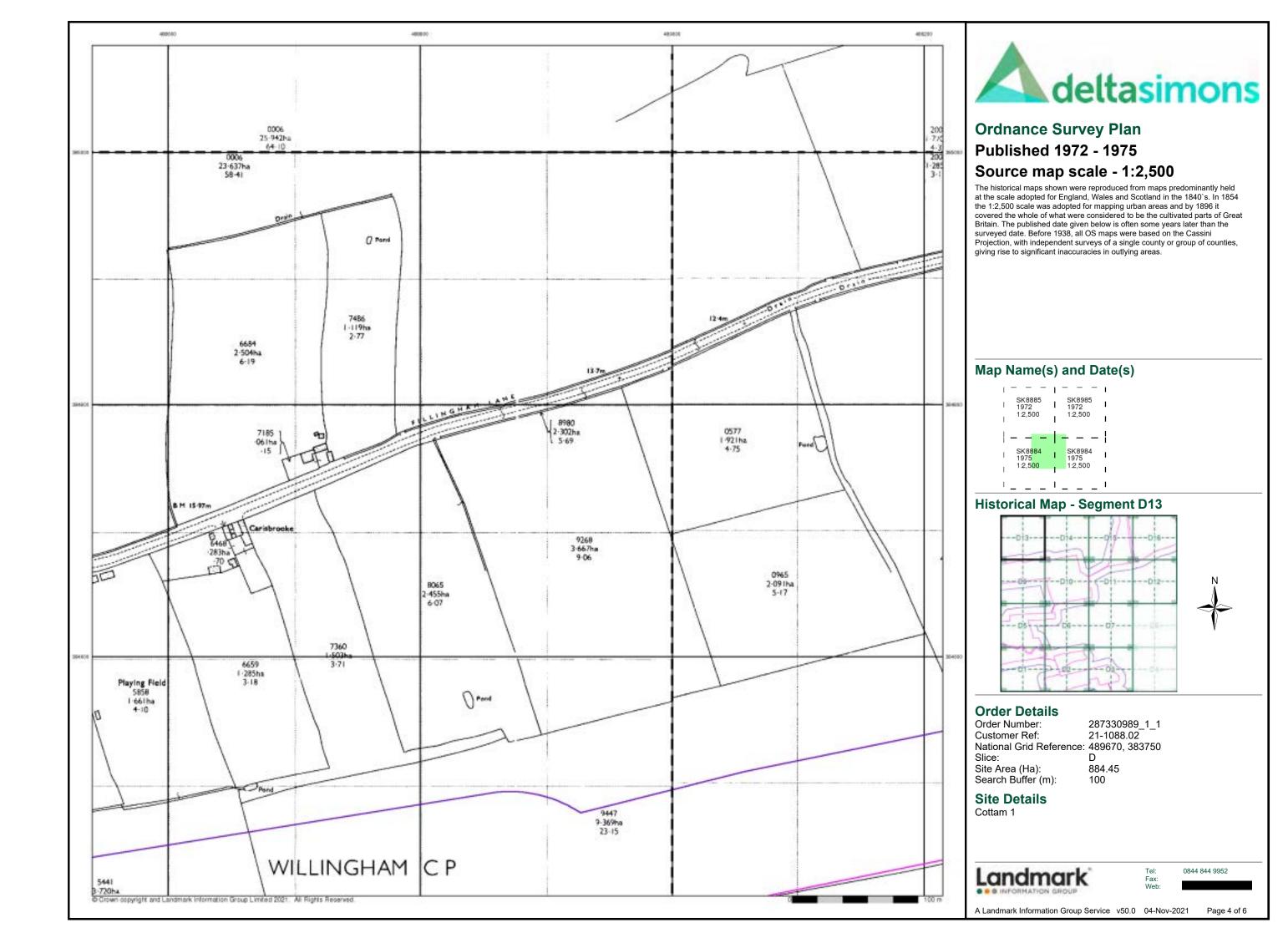
Landmark

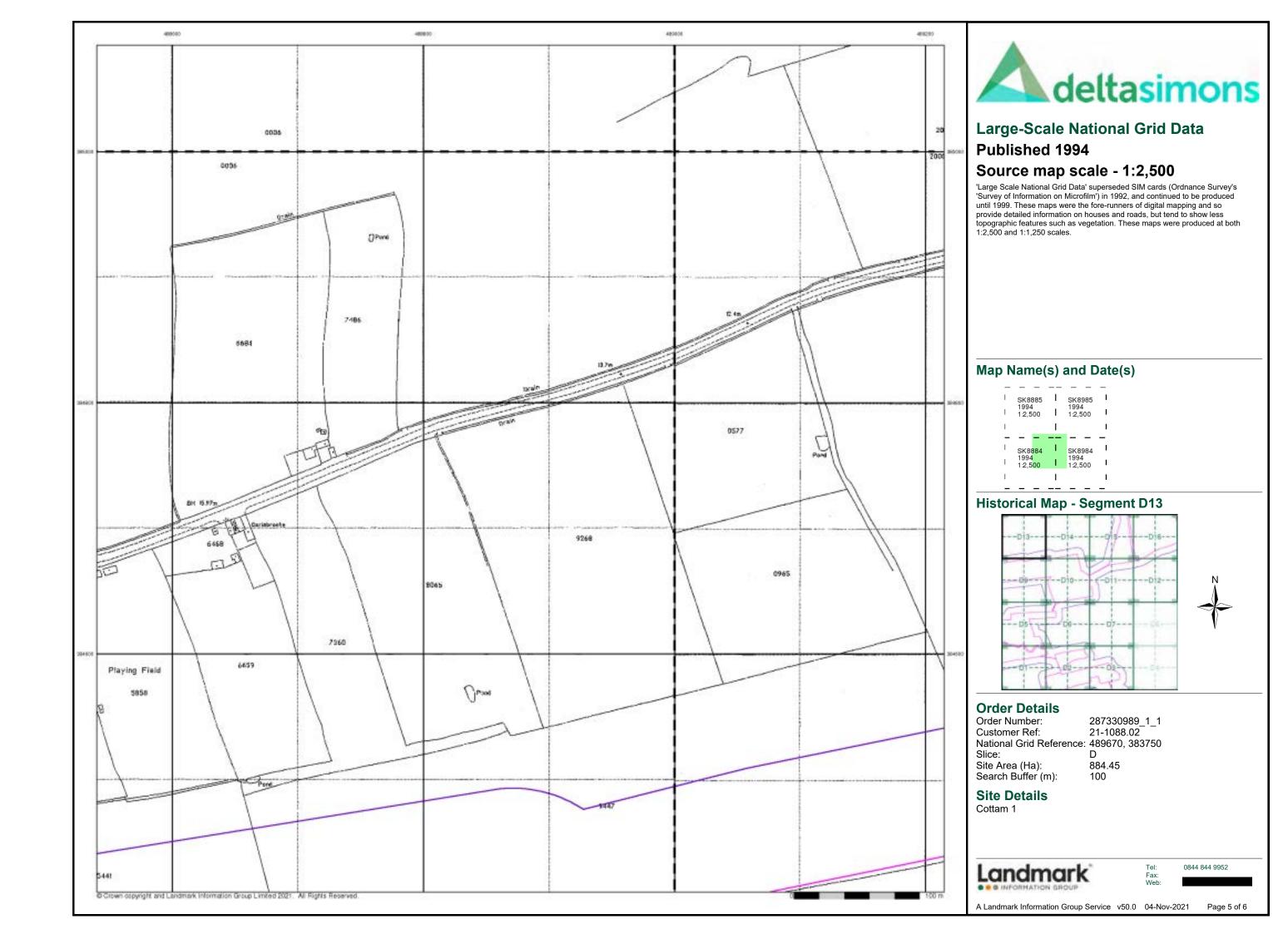
0844 844 9952

Page 1 of 6







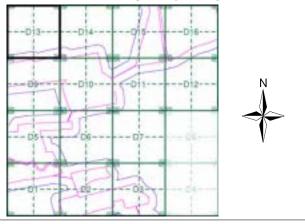






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

#### **Historical Aerial Photography - Segment D13**





Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 489670, 383750

Slice:

Site Area (Ha): Search Buffer (m): 884.45 100

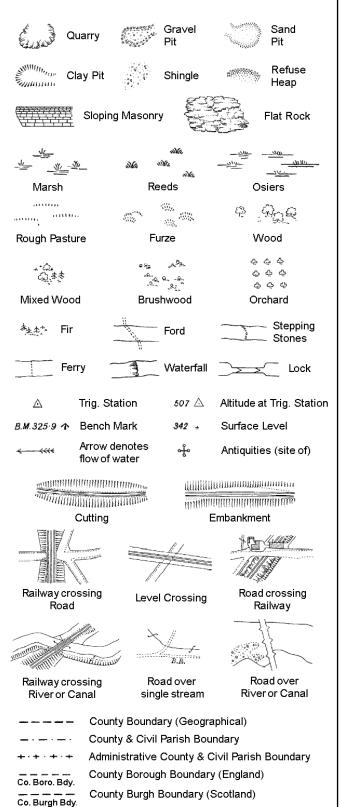
**Site Details** 

Cottam 1

Landmark

0844 844 9952

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



B.R.

E.P

F.B.

M.S

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

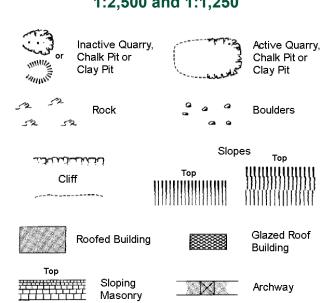
Trough Well

S.P

Sl.

Tr

Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



Non-Coniferous Tree Coniferous Tree (surveyed) (surveyed) Non-Coniferous Trees Coniferous Trees (not surveyed) (not surveyed) Orchard Scrub Bracken Marsh, Coppice, Reeds

Saltings Rough Culvert யார் Heath Grassland Direction Bench Antiquity of water flow (site of) Electricity Cave Triangulation ÷

**Electricity Transmission Line** County Boundary (Geographical) County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary mereing changes

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

# 1:1,250

Cliff Top  Cliff Top  Rock Rock (scattere  Boulders  Positioned Boulder  Scree	tered)
Rock Rock (scattere	tered)
Boulders Scatt	tered)
Boulders Scatt	tered)
1.72	,
○ Positioned Boulder	ee
	ee
Non-Coniferous Tree Coniferous Tree (surveyed)	
Oniferous Trees 大夫 Coniferous Trees (not surveyed)	
$\stackrel{\mathcal{C}}{\hookrightarrow}$ Orchard $\stackrel{\mathcal{C}}{\circ}$ $\stackrel{\widehat{\circ}}{\circ}$ Scrub $\stackrel{\widehat{\circ}}{\circ}$ Brack	(en
المرابع Coppice, المرابع Reeds المرابع Marsl Saltin	
Rough Heath Culve	ert
Direction A Triangulation A Antique Station (site of	
E_TL Electricity Transmission Line	tricity n
Buildings with Building Seed	
Roofed Building Glazed R Building	Roof
Civil parish/community boundary	
— District boundary	
•	
— • —— County boundary	
<ul> <li>Boundary post/stone</li> </ul>	
Boundary mereing symbol (note: these always appear in opposed pairs or group of three)	ps
Bks Barracks P Pillar, Pole or Pos	st
Bty Battery PO Post Office	
Cemy Cemetery PC Public Convenie	nce
Chy Chimney Pp Pump	
Cis Cistern Ppg Sta Pumping Station	
Dismtd Rly Dismantled Railway PW Place of Worship	)
El Gen Sta Electricity Generating Sewage Ppg Sta Sewage Station Pumping 9	Station
EIP Electricity Pole, Pillar SB, SBr Signal Box or Bri	
El Sub Sta Electricity Sub Station SP, SL Signal Post or Li	_
FB Filter Bed Spr Spring	

Fn / D Fn Fountain / Drinking Ftn.

Gas Governer

**Guide Post** 

Manhole

GVC

Gas Valve Compound

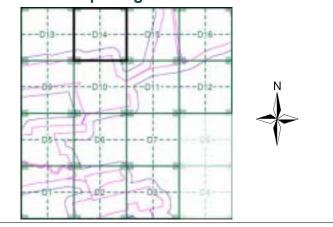
Mile Post or Mile Stone



#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1972 - 1975	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

### **Historical Map - Segment D14**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 **Customer Ref:** National Grid Reference: 489670, 383750 Slice:

Site Area (Ha):

884.45 Search Buffer (m):

### **Site Details**

Cottam 1

Tank or Track

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Tr

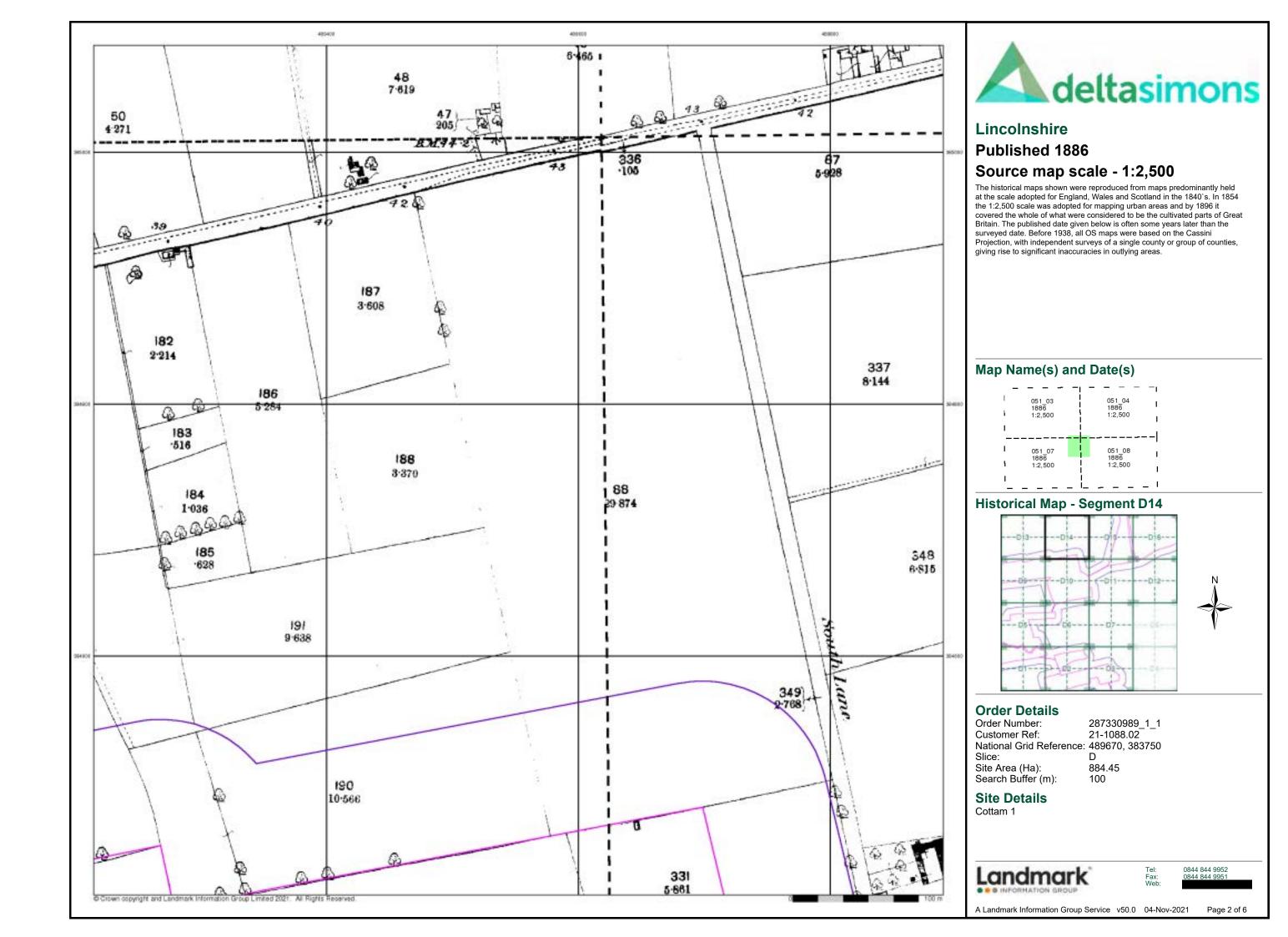
Wd Pp

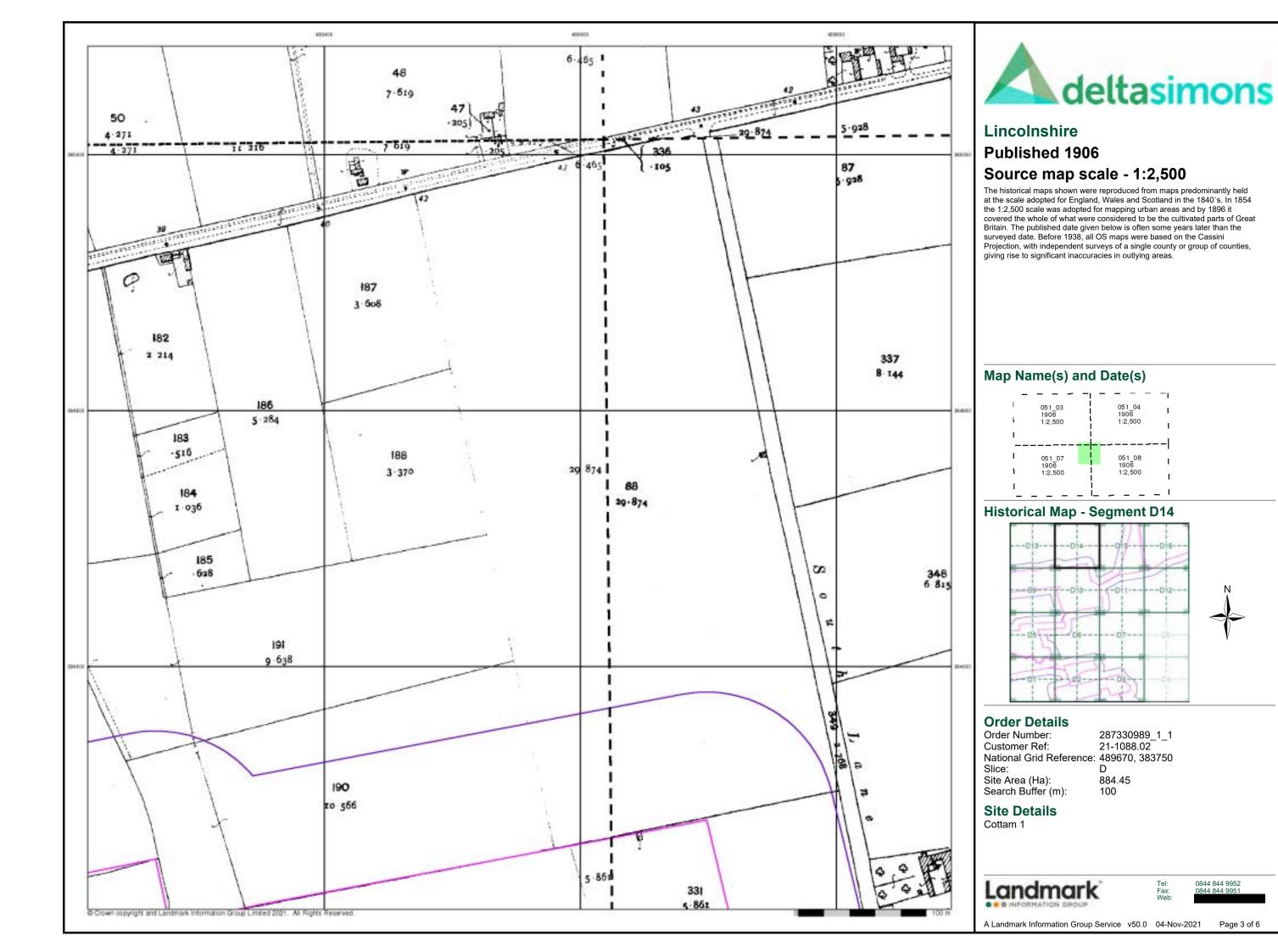
Wks

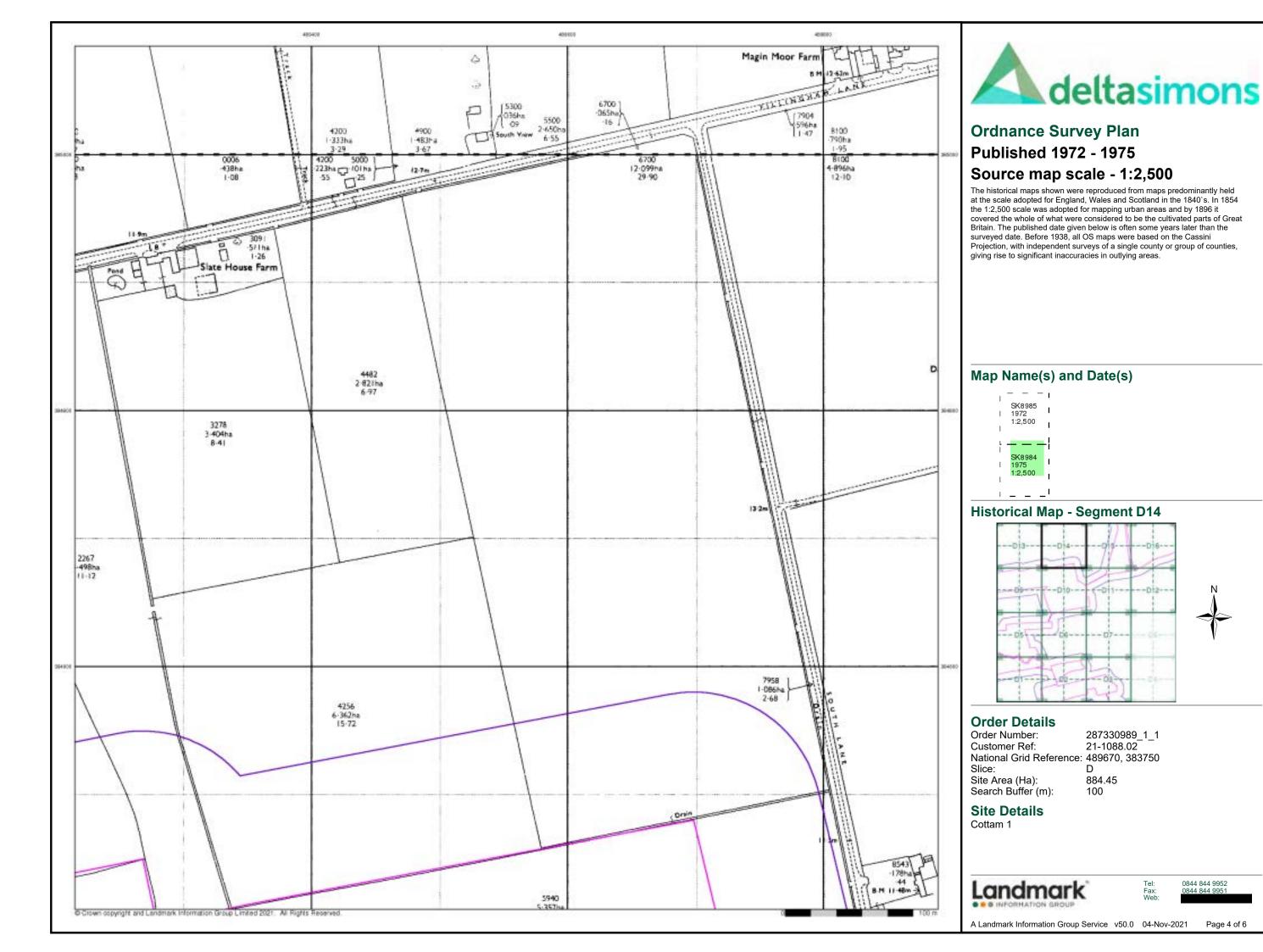


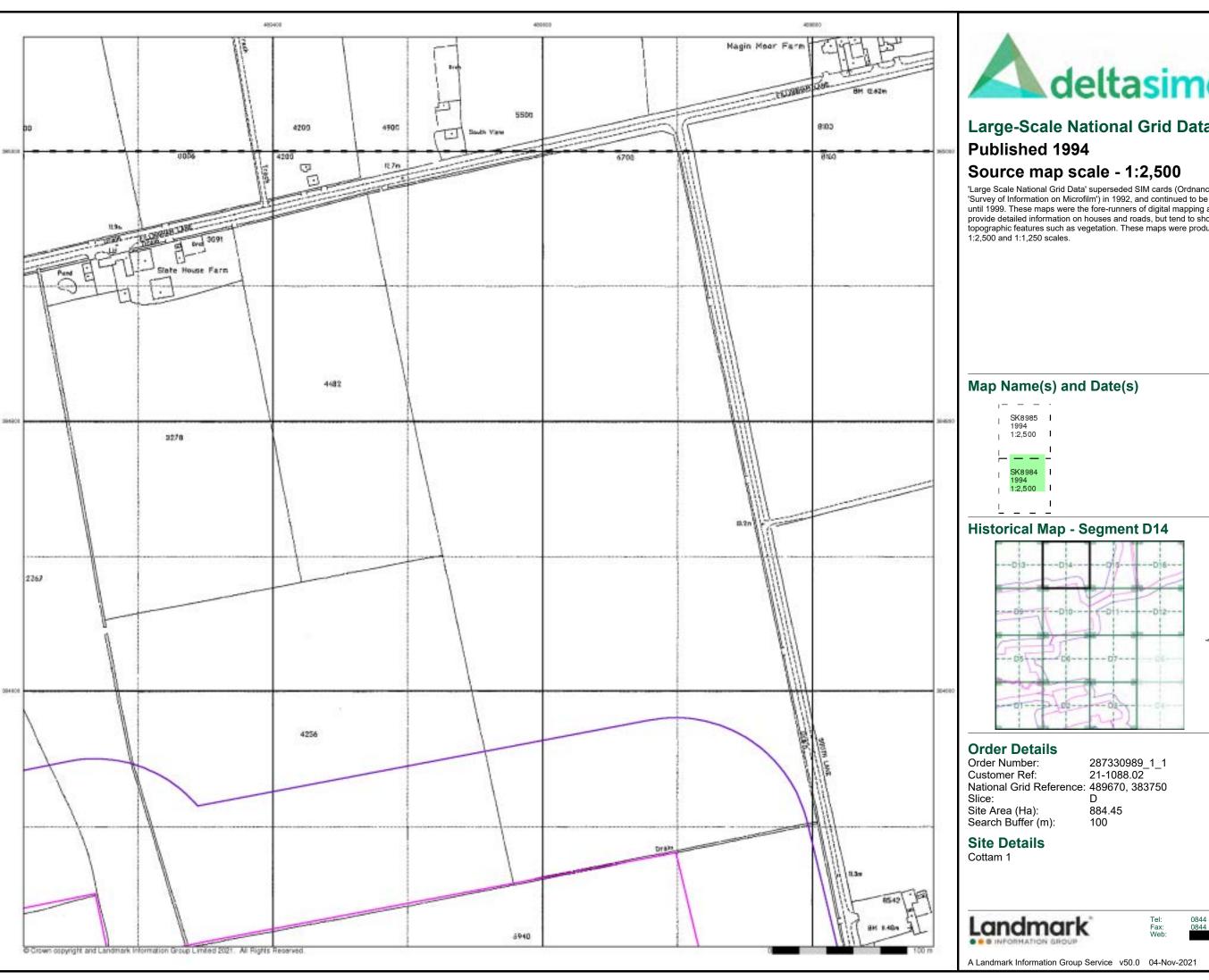
0844 844 9952

Page 1 of 6





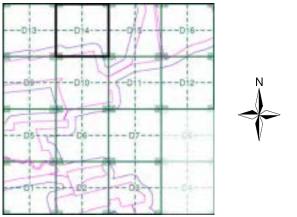




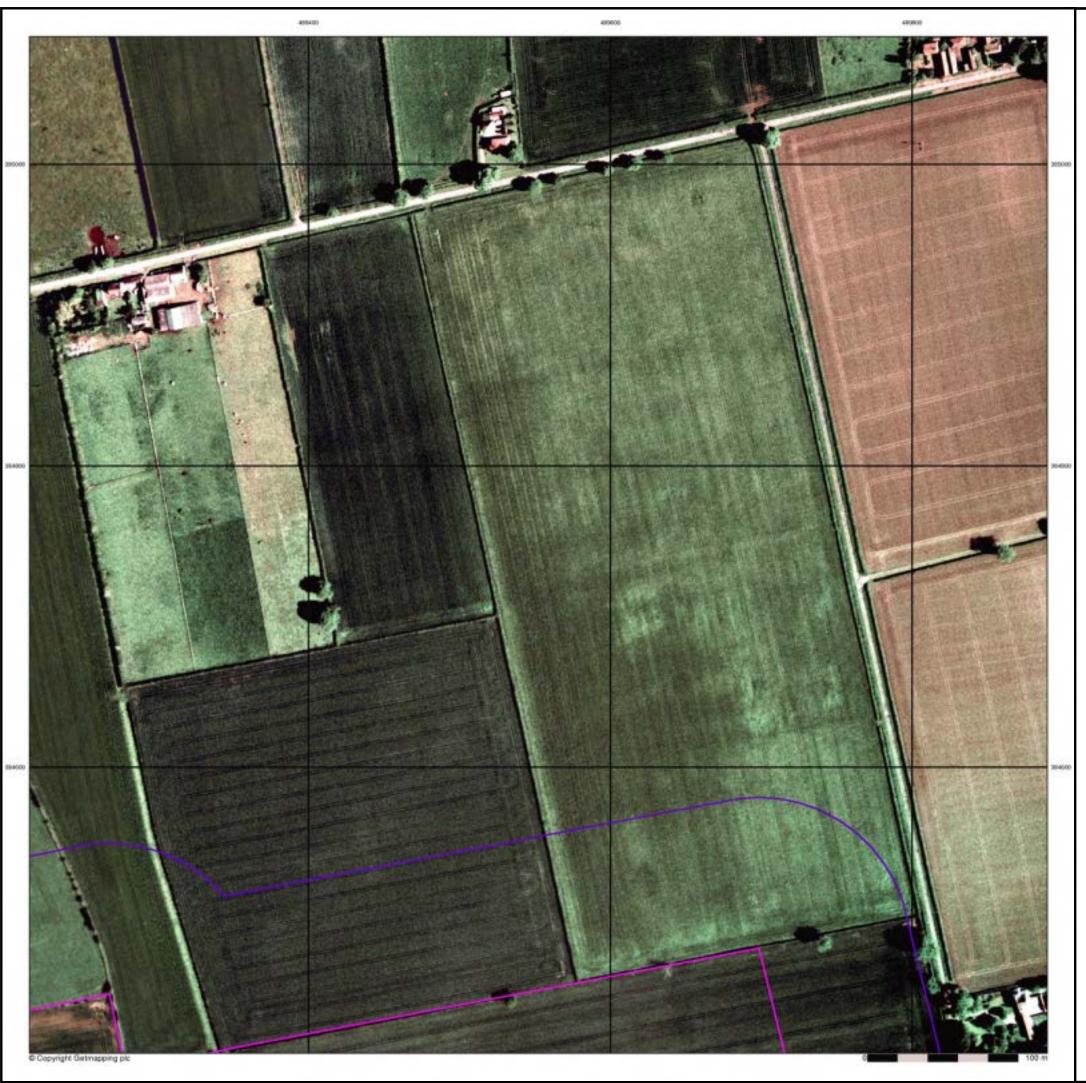


# **Large-Scale National Grid Data**

'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.



0844 844 9952

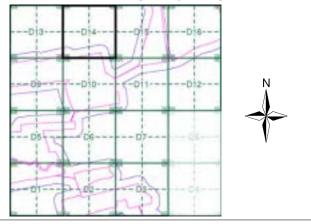




## **Historical Aerial Photography** Published 1999

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

## **Historical Aerial Photography - Segment D14**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 489670, 383750 Slice:

Site Area (Ha): Search Buffer (m): 884.45 100

**Site Details** 

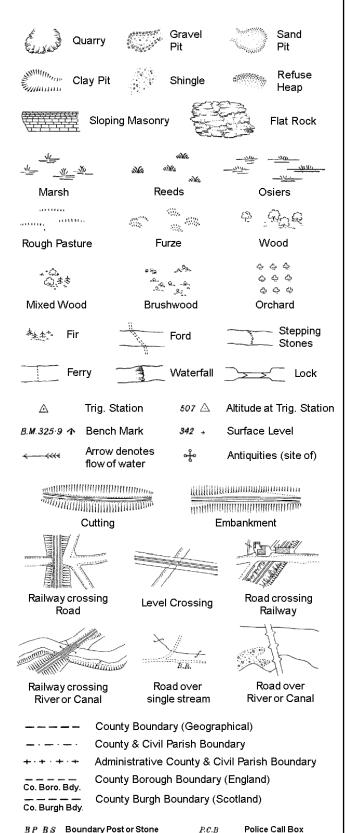
Cottam 1

Landmark

0844 844 9952 0844 844 9951

A Landmark Information Group Service v50.0 04-Nov-2021 Page 6 of 6

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



Pump

Sluice

Spring

Trough Well

Signal Post

Telephone Call Box

S.P

T.C.B

Sl.

Tr:

B.R.

E.P

F.B.

Bridle Road

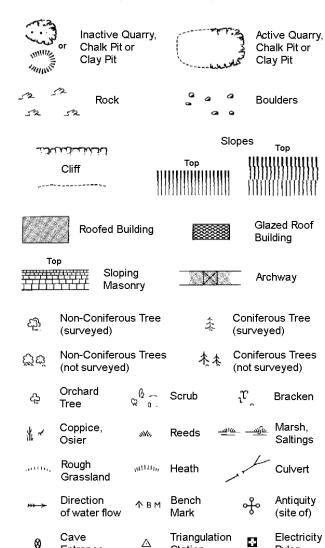
Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



**Electricity Transmission Line** County Boundary (Geographical) County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary

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

mereing changes

## 1:1,250

			Slopes <sub>Top</sub>			
	 Clitt		Тор	<b>!!!!!!</b> !!!!!!		
233	Rock		7,3	Rock (so	cattered)	
$\triangle_{\underline{a}}$	Boulders		Δ	Boulders	(scattered)	
$\triangle$	Positioned	Boulder		Scree		
<u> දකු</u>	Non-Conif (surveyed	erous Tree )	*	Coniferd (surveye		
ζţά	Non-Conif (not surve	erous Trees yed)	未未	Conifero	ous Trees /eyed)	
ද	Orchard Tree	Q a.	Scrub	<sup>1</sup> L	Bracken	
* ~	Coppice, Osier	siVi.	Reeds 🛥	<u>।ए —ग्र</u> ीह	Marsh, Saltings	
artite,	Rough Grassland	<i>1</i> 11111111111111111111111111111111111	Heath	1	Culvert	
<del>*** &gt;</del>	Direction of water flo	Δ ow	Triangulation Station	, of	Antiquity (site of)	
E <u>T</u> L	_ Electric	ity Transmis	ssion Line	$\boxtimes$	Electricity Pylon	
<b>∤</b> ∤Вм	231.60m E	Bench Mark	7	Building Building		
	Roofe	ed Building		8	azed Roof iilding	
		Ci∨il parish	/community b	oundary		
		District bou	undary	•		
_ •		County bou	ındarv			
٥		Boundary p				
,c	>	Boundary r	nereing symb ear in oppose	. `		
Bks	Barracks		Р	Pillar, Pol	le or Post	
Bty	Battery		PO	Post Offic	ce	
Cemy	Cemetery		PC -		onvenience	
Chy	Chimney		Pp Ppg Sta	Pump	Station	
Cis Dismtd F	Cistern	tled Railway	Ppg Sta PW	Pumping Place of\		
El Gen S	-	ity Generating	Sewage P	pg Sta Se	wage umping Station	
EIP	Electricity	Pole, Pillar	SB, S Br		ox or Bridge	
El Sub S	ta Electricity	Sub Station	SP, SL	Signal Po	ost or Light	
FB	Filter Bed		Spr	Spring		
Fn/DFr	Fountain /	Drinking Ftn.	Tk	Tank or T	rack	
			<b>T</b>	T		

Gas Valve Compound

Mile Post or Mile Stone

Gas Governer

**Guide Post** 

Manhole

Tr

Wd Pp

Wks

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

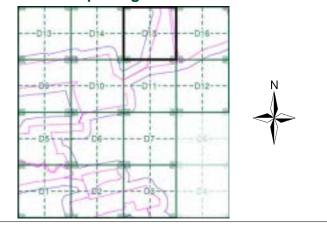
Works (building or area)



#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1972 - 1975	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

## **Historical Map - Segment D15**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 **Customer Ref:** National Grid Reference: 489670, 383750 Slice:

Site Area (Ha):

884.45 Search Buffer (m):

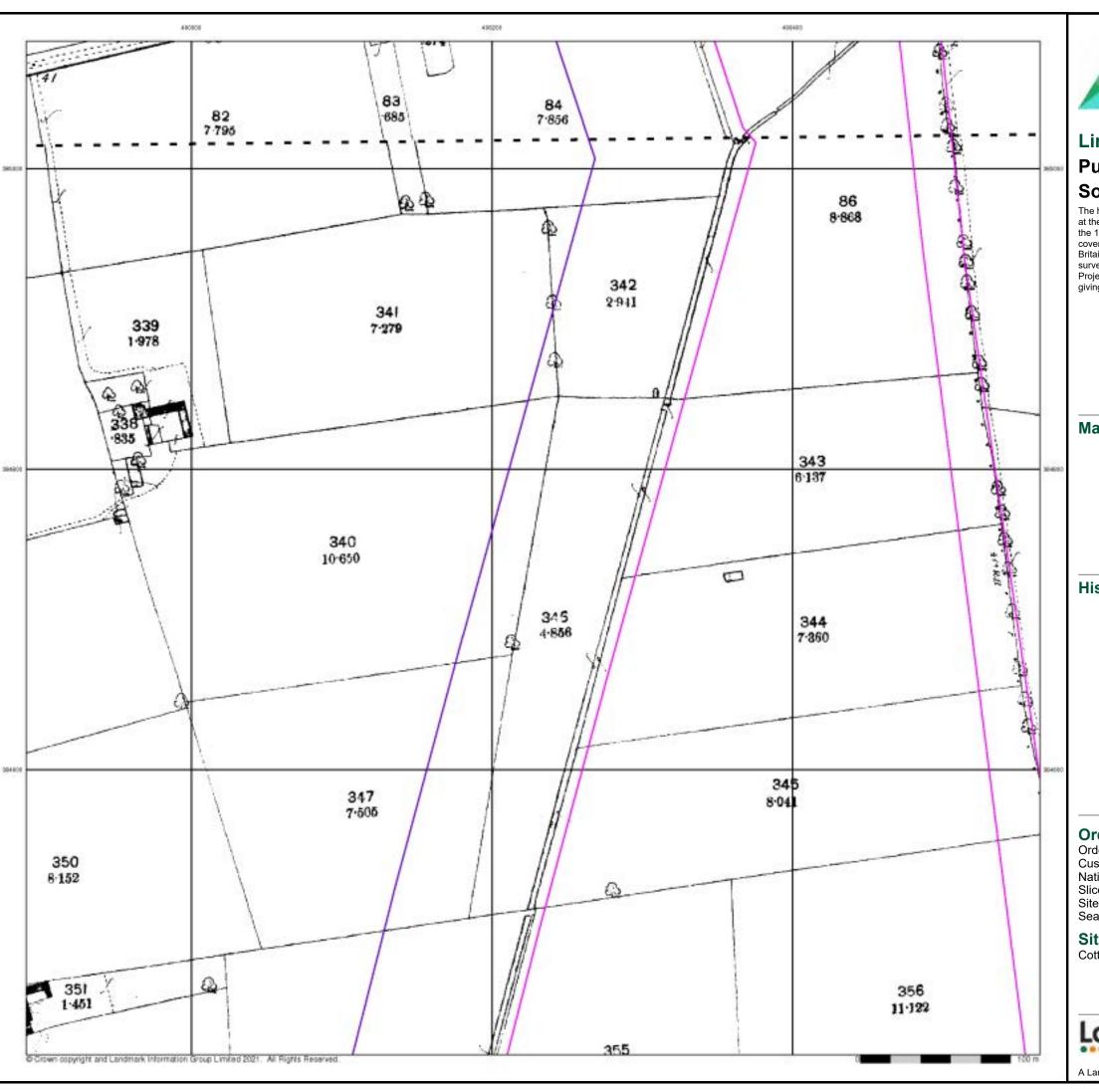
## **Site Details**

Cottam 1



0844 844 9952

Page 1 of 6



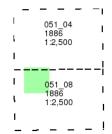


#### Lincolnshire

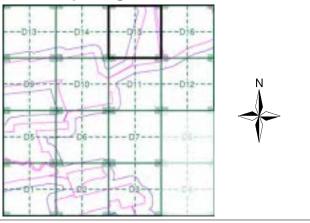
## Published 1886 Source map scale - 1:2,500

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 surveyes 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 D15**



#### **Order Details**

Order Number: 287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 489670, 383750 D

Slice:

Site Area (Ha): Search Buffer (m): 884.45 100

## **Site Details**

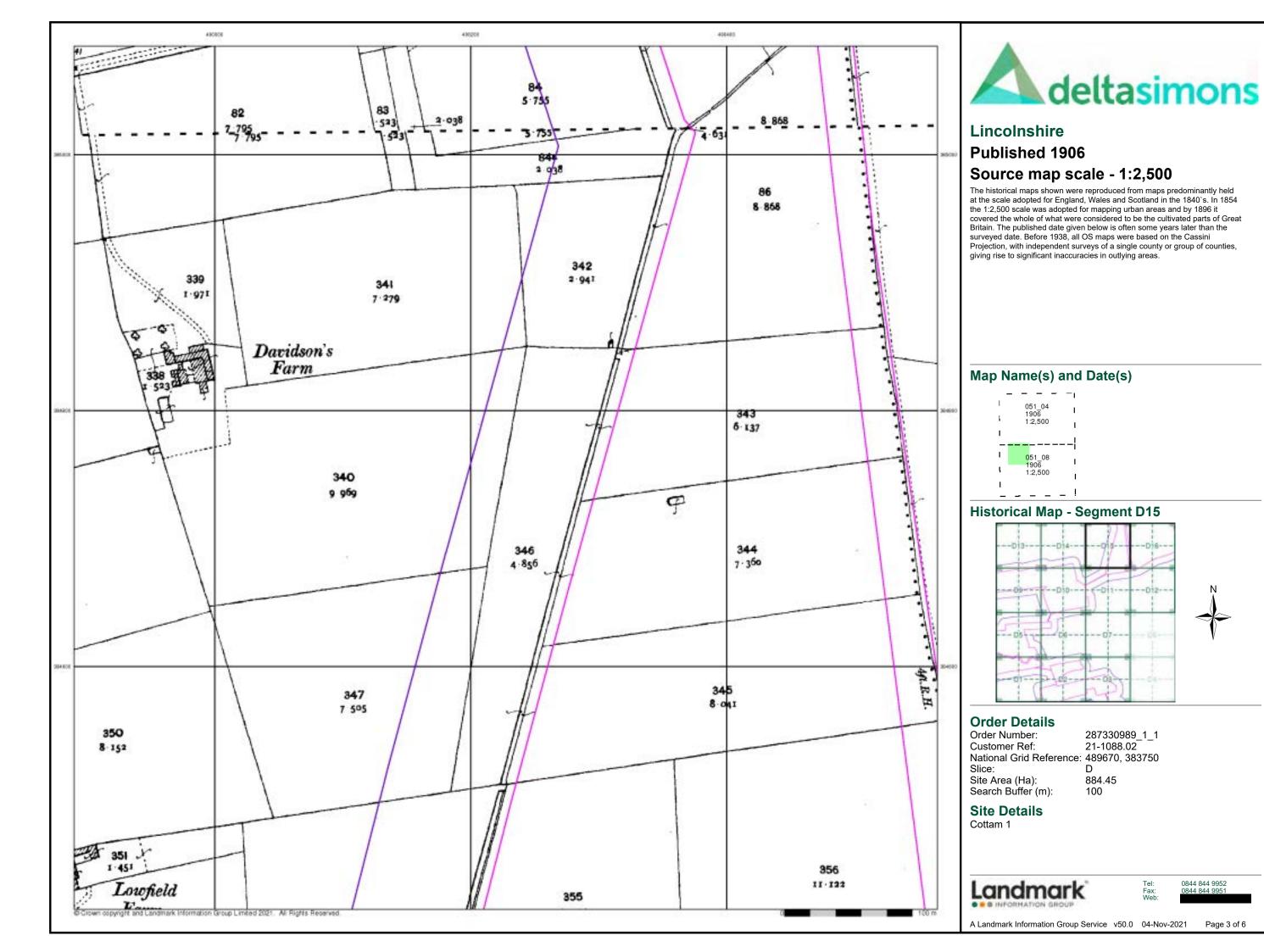
Cottam 1



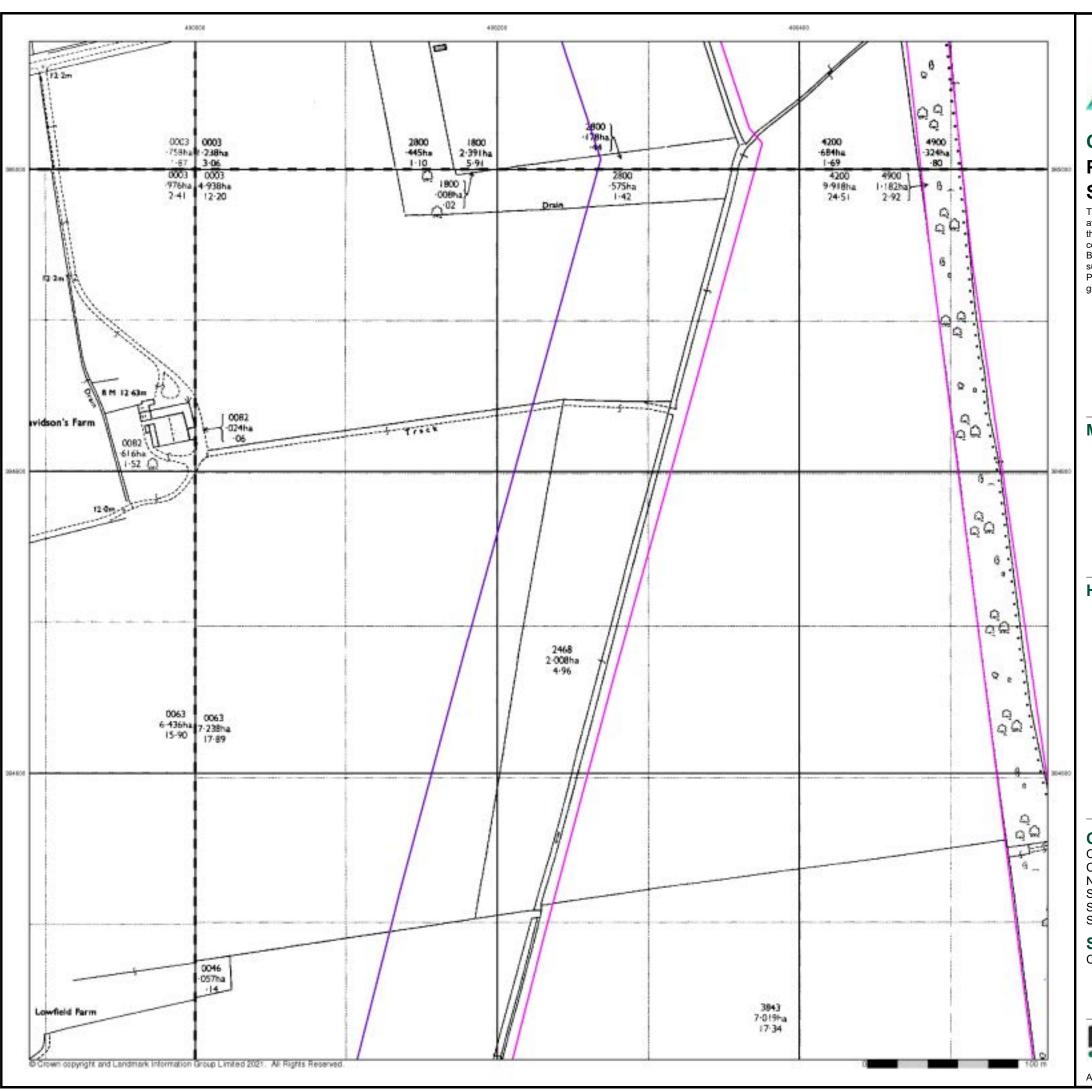
0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021

Page 2 of 6



Page 3 of 6





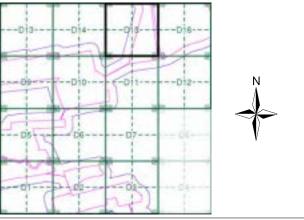
## **Ordnance Survey Plan Published 1972 - 1975** Source map scale - 1:2,500

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 surveyes of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

## Map Name(s) and Date(s)

- 1		1	_	_	_	I
1	SK8985 1972	1	19			ı
- 1	1:2,500	1	1:2	,50	0	ı
		ı	-	-	_	ļ
- 1	SK8984 1975	1	19			ı
- 1	1:2,500	1	1:2	,50	0	I
- 1		1	_	_	_	ı

## **Historical Map - Segment D15**



#### **Order Details**

Order Number: 287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 489670, 383750

Slice:

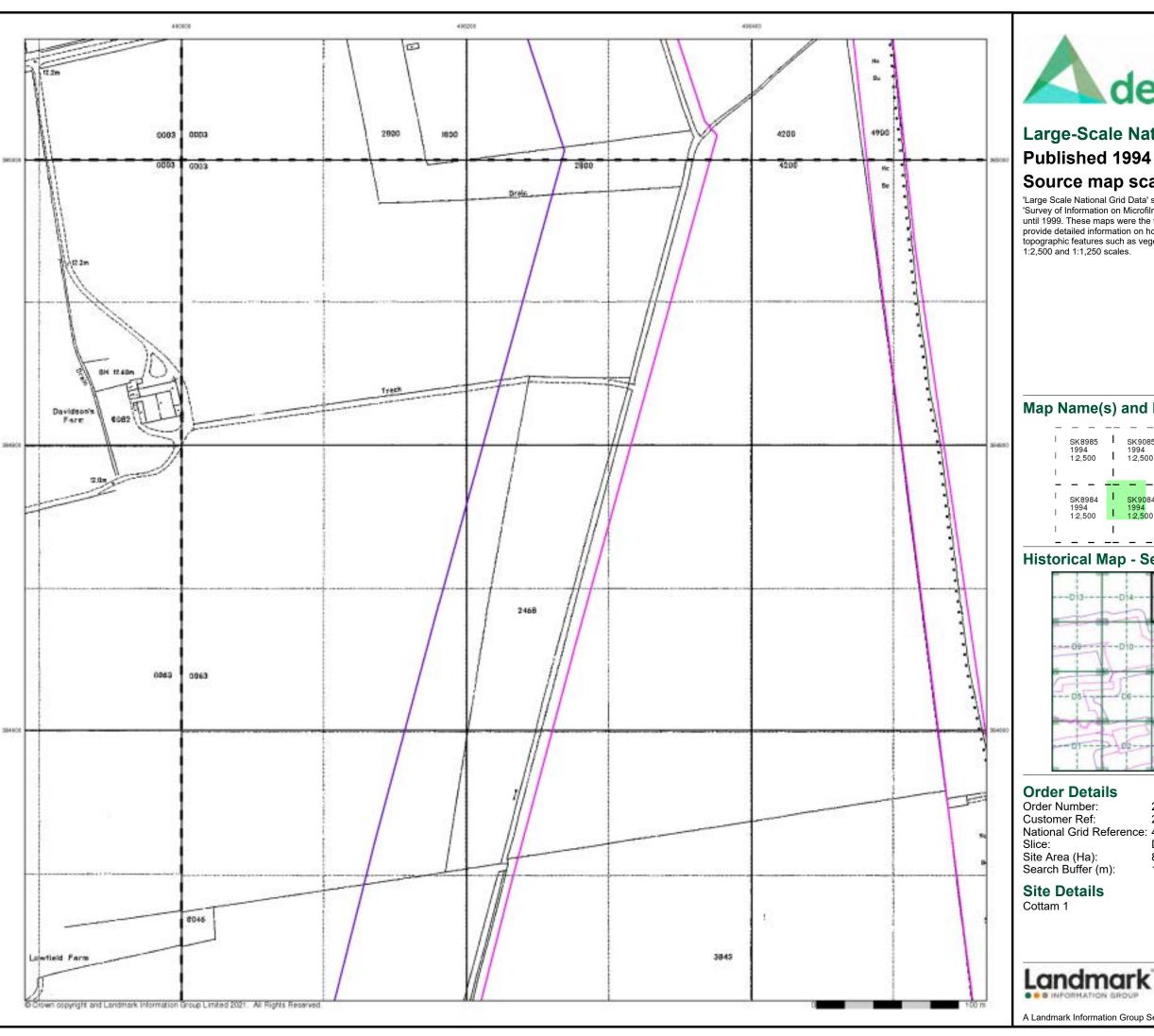
Site Area (Ha): Search Buffer (m): 884.45

## **Site Details**

Cottam 1



0844 844 9952





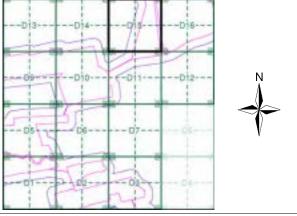
## **Large-Scale National Grid Data** Published 1994 Source map scale - 1:2,500

'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)

1	SK8985	1	SK9085	ı
1	1994 1:2,500	1	1994 1:2,500	ı
1		1		- 1
_				_
1	SK8984	1	SK9084	ı
1	1994 1:2,500	1	1994 1:2,500	- 1
1		1		- 1

#### **Historical Map - Segment D15**

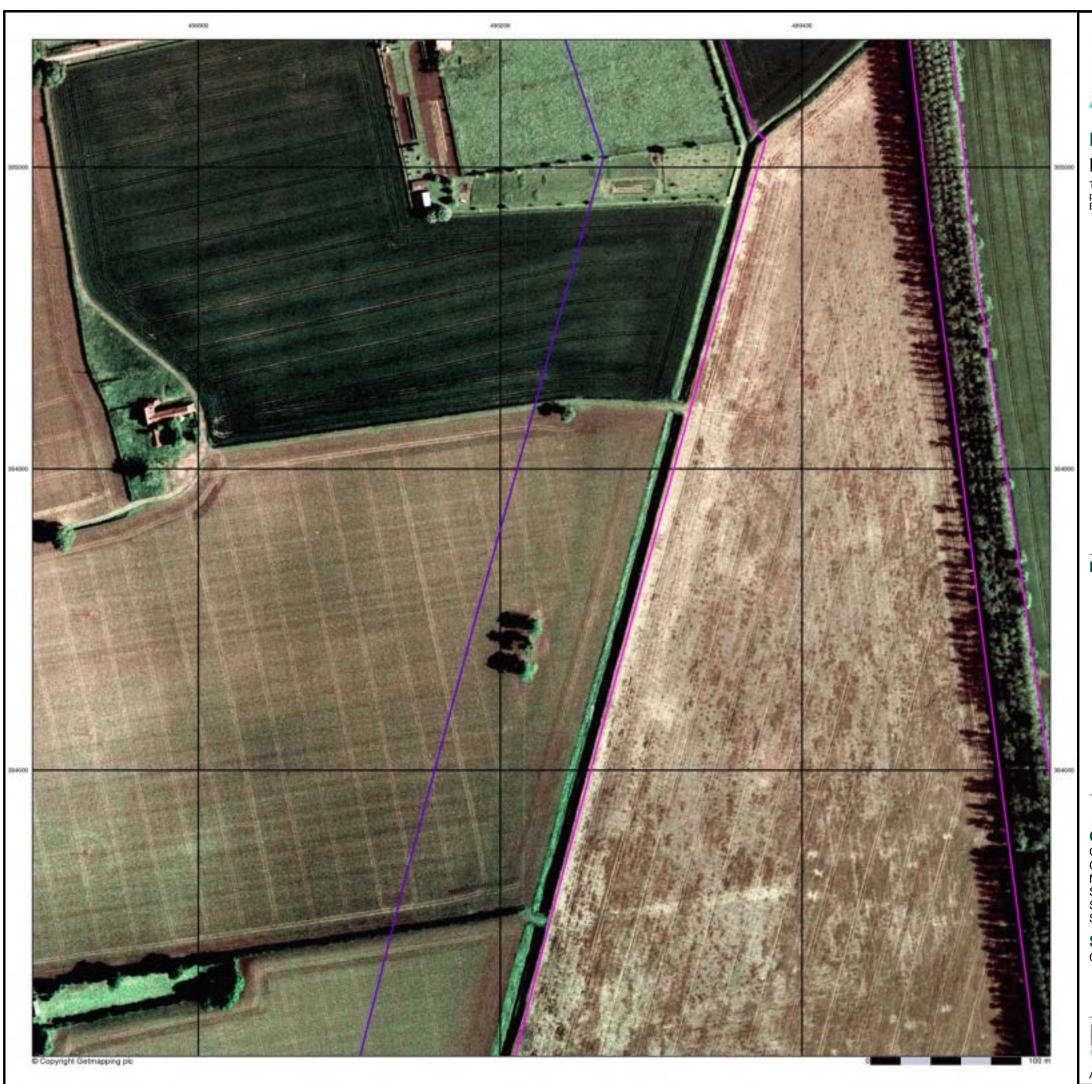


Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 489670, 383750

884.45



0844 844 9952

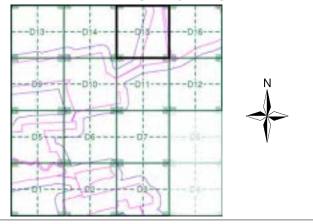




## **Historical Aerial Photography** Published 1999

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

## **Historical Aerial Photography - Segment D15**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 489670, 383750

Slice:

Site Area (Ha): Search Buffer (m): 884.45 100

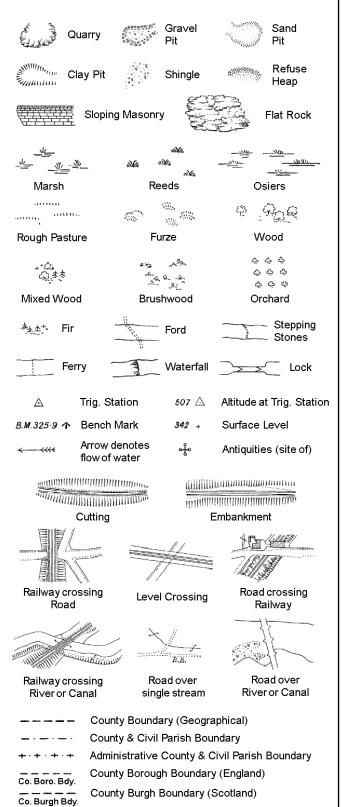
**Site Details** 

Cottam 1

Landmark

A Landmark Information Group Service v50.0 04-Nov-2021 Page 6 of 6

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



B.R.

E.P

F.B.

M.S

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

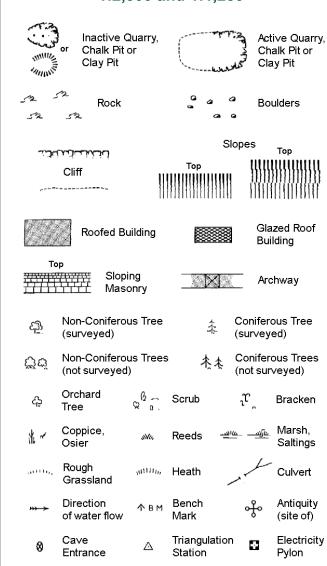
Trough Well

S.P

Sl.

Tr:

#### Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



County Boundary (Geographical) County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary mereing changes

**Electricity Transmission Line** 

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

## 1:1,250

			Slopes			
	لكنائبات		Тор	111111	Тор  [[[[]]]]]]	
_	Cliff	1111		]]]]]]	)))))))	
,			MIMBINIA	1111111	1111111111	
523	Rock		23	Rock (se	cattered)	
$\triangle_{a}$	Boulders		Δ	Boulders	s (scattered)	
	Positioned	Boulder		Scree		
<u>දකු</u>	Non-Conif (surveyed	erous Tree )	*	Coniferd (surveye	ous Tree ed)	
ජ්ජ	Non-Conif (not surve	erous Trees yed)	* **	Conifero (not sur	ous Trees veyed)	
දා	Orchard Tree	Q a .	Scrub	<sup>1</sup> u	Bracken	
* ~	Coppice, Osier	siVe,	Reeds 🛥	<u> ட</u> விட்	Marsh, Saltings	
actility,	Rough Grassland	$unn_{b}$	Heath	1	Culvert	
<del>*** &gt;</del>	Direction of water flo	Δ	Triangulation Station	, ÷	Antiquity (site of)	
E_TL	_ Electric	ity Transmis	ssion Line	$\boxtimes$	Electricity Pylon	
/ <del>/</del> / ВМ	231.60m E	Bench Mark			gs with g Seed	
	Roofe	ed Building		8	azed Roof uilding	
		Ci∨il parish	/community b	oundary		
		District box		,		
		County box	-			
c	1	Boundary	=			
			nereing symb	ol (note:	these	
غر		-	ear in oppose	,		
Bks	Barracks		Р	Pillar, Po	le or Post	
Bty	Battery		PO	Post Offi		
Cemy	Cemetery		PC Pro		onvenience	
Chy Cis	Chimney		Pp Pna Sta	Pump	s Station	
Dismtd F	Cistern Rlv Disman	tled Railway	Ppg Sta PW	Pumping Place of	-	
El Gen S	ta Electric	ity Generating	Sewage P	pg Sta S	ewage	
ELD	Station	Dala Dill-	OD OD:		umping Station	
EIP		Pole, Pillar	SB, S Br	_	ox or Bridge	
FB	ta Electricity Filter Bed	SUD SIMIUII	SP, SL Spr		ost or Light	
FB Fn/DFr		Drinking Ftn.	Spr Tk	Spring Tank or 1	Track	
	Gae Valve	_	IK Tr	Tank or Trough	IIIdCK	

Gas Valve Compound

Mile Post or Mile Stone

Gas Governer

**Guide Post** 

Manhole

GVC

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Wd Pp

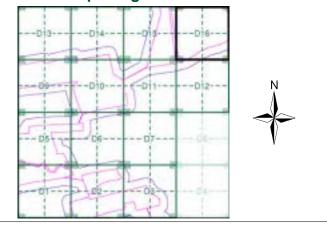
Wks



### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

## **Historical Map - Segment D16**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 489670, 383750 Slice:

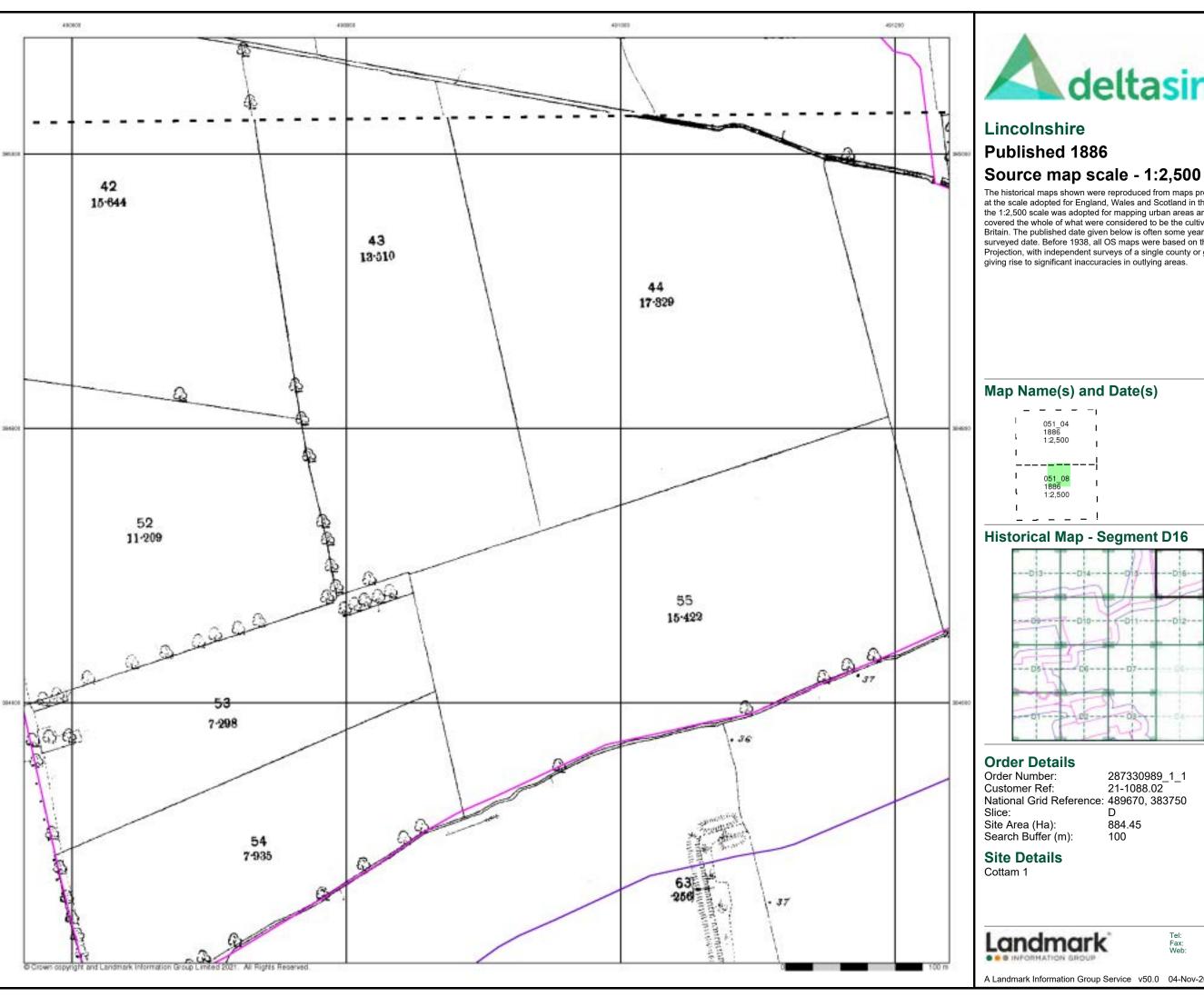
884.45 Site Area (Ha): Search Buffer (m):

**Site Details** Cottam 1



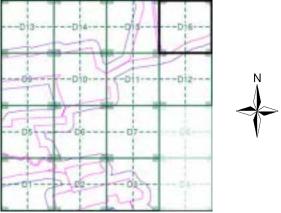
0844 844 9952

Page 1 of 6



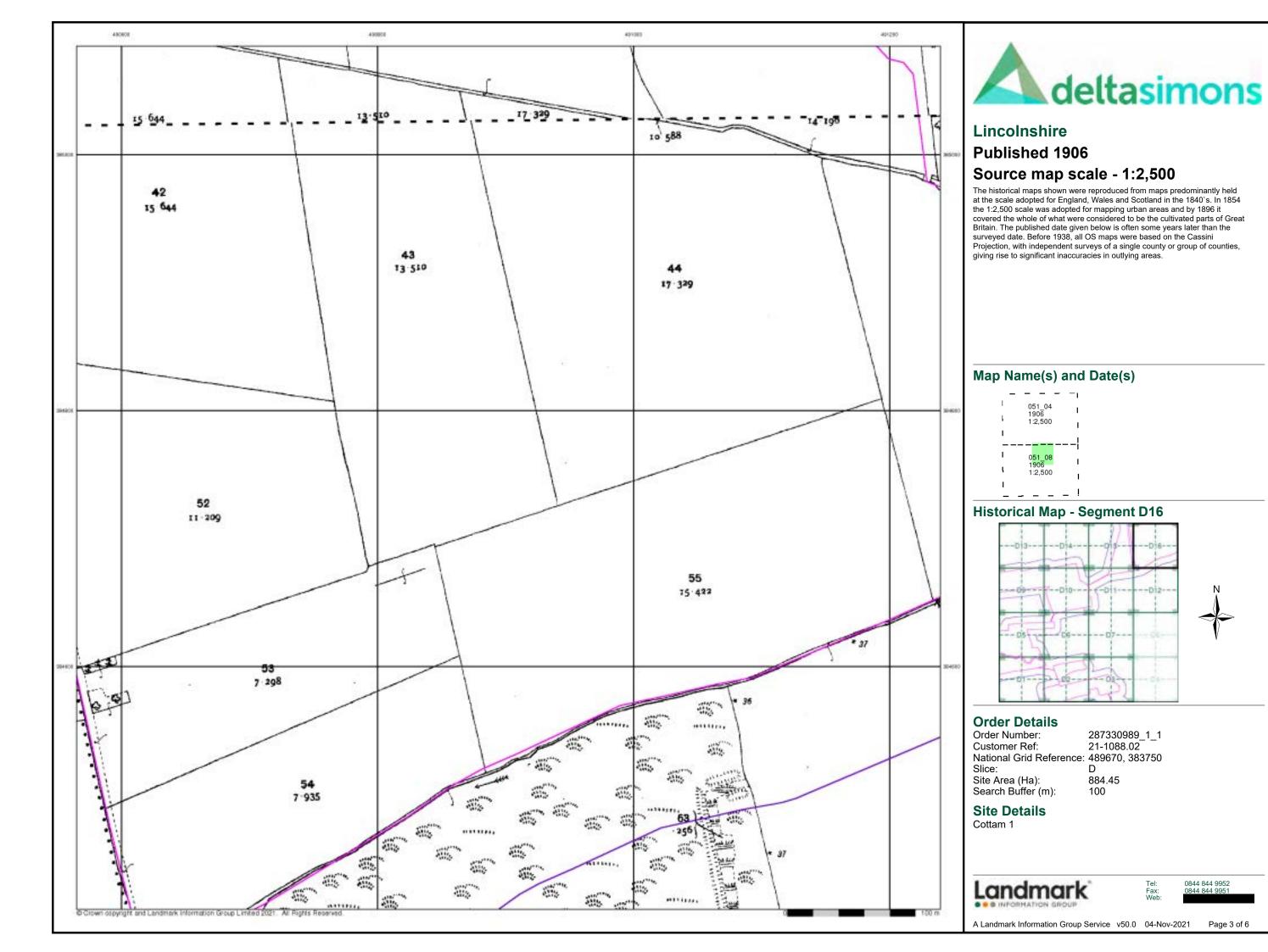


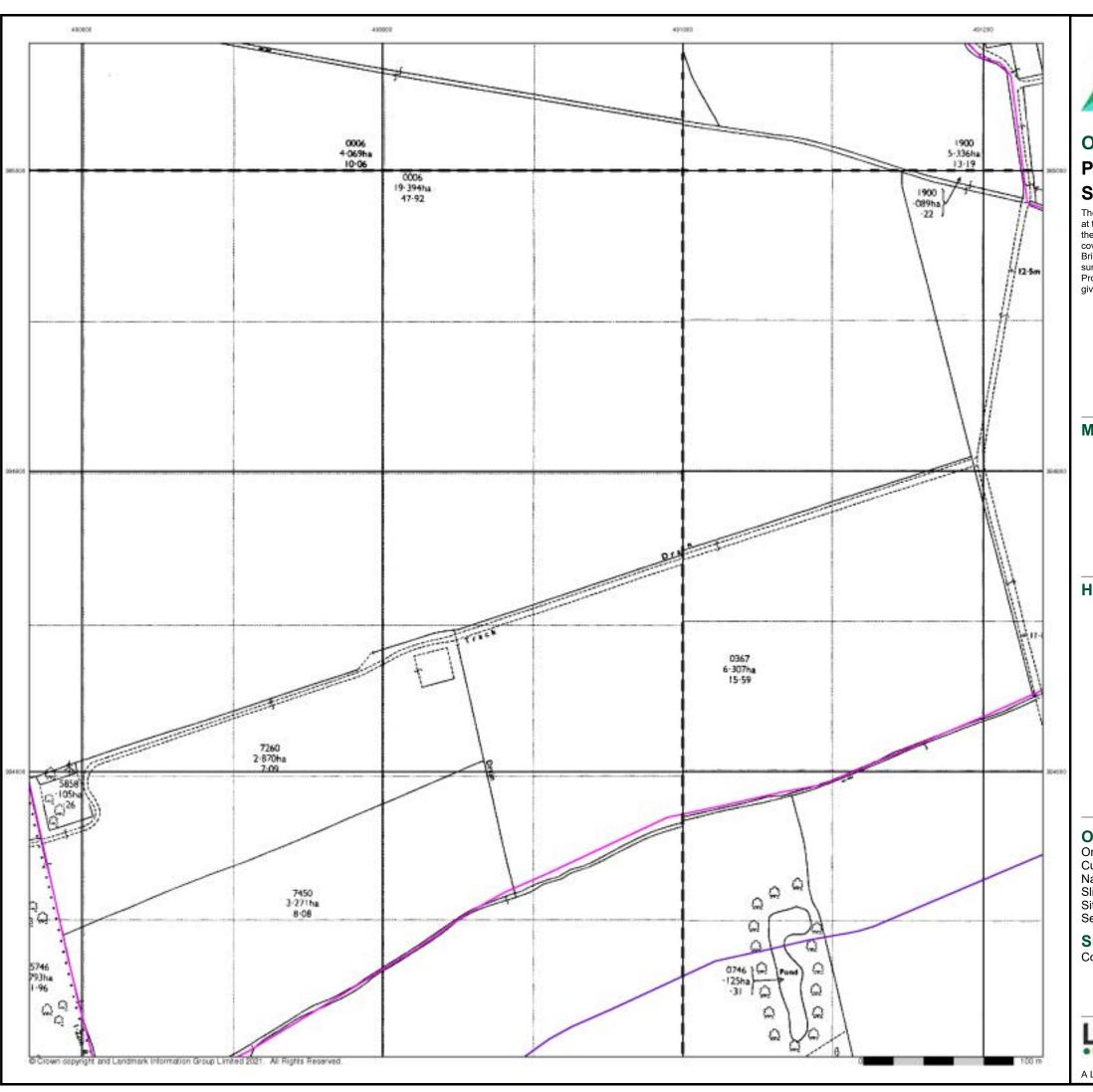
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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



0844 844 9952

Page 2 of 6







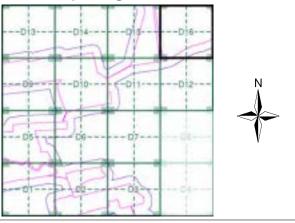
## **Ordnance Survey Plan** Published 1974 Source map scale - 1:2,500

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 surveyes of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

## Map Name(s) and Date(s)

- 1		ı		ı
- 1	SK9085 1974	ı	SK9185 1974	ı
I	1:2,500	I	1:2,500	I
		Ī		ŀ
- 1	SK9084 1974	ī	SK9184 1974	ı
- 1	1:2,500	1	1:2,500	I
- 1		ī		ı

## **Historical Map - Segment D16**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 489670, 383750

Slice:

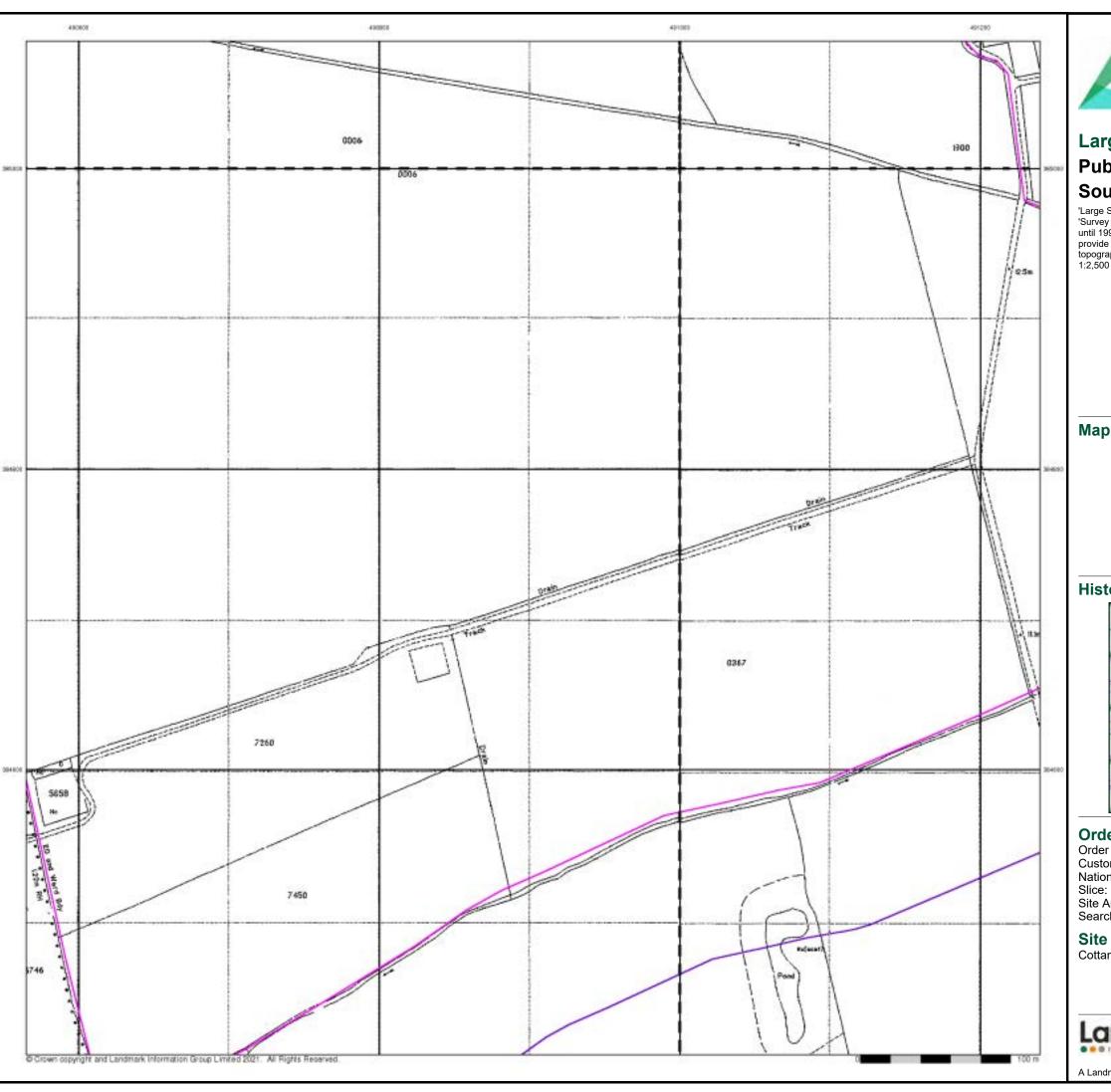
Site Area (Ha): Search Buffer (m): 884.45

## **Site Details**

Cottam 1



0844 844 9952





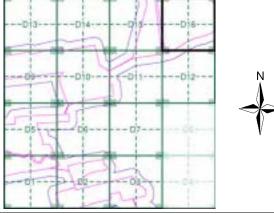
## **Large-Scale National Grid Data** Published 1994 Source map scale - 1:2,500

'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)

 	SK9085 1994 1:2,500	l I	SK9185 1994 1:2,500	I I
		- 1		- 1
_				_
1	SK9084	-1	SK9184	- 1
1	1994 1:2,500	-1	1994 1:2,500	ı
1		- 1		- 1

#### **Historical Map - Segment D16**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 489670, 383750

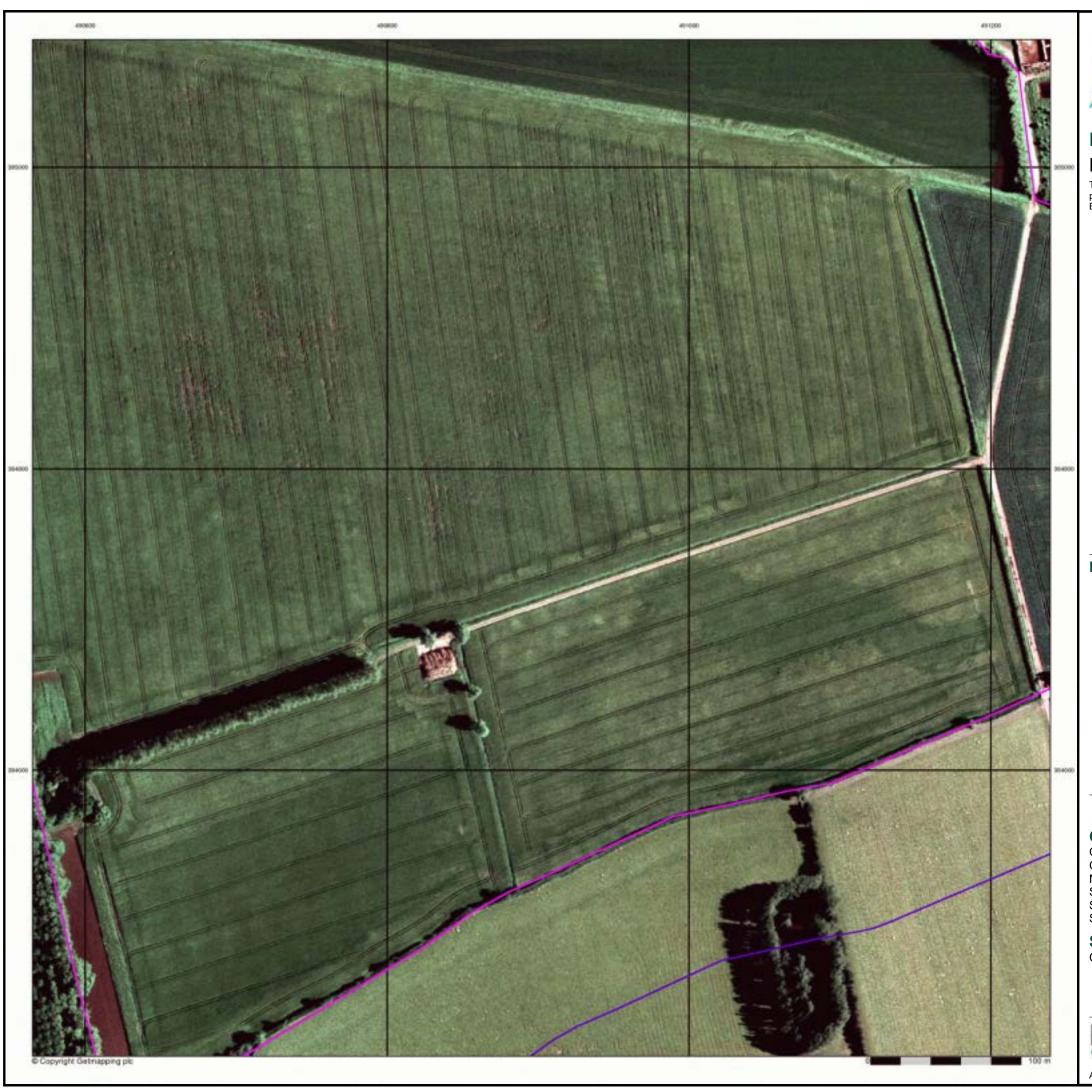
Site Area (Ha): Search Buffer (m): 884.45

## **Site Details**

Cottam 1



0844 844 9952

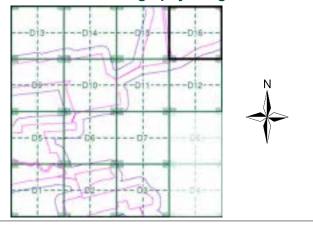




## **Historical Aerial Photography** Published 1999

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

## **Historical Aerial Photography - Segment D16**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 489670, 383750 Slice:

Site Area (Ha): Search Buffer (m): 884.45 100

**Site Details** 

Cottam 1

Landmark

A Landmark Information Group Service v50.0 04-Nov-2021 Page 6 of 6

## **Ordnance Survey County Series 1:10,560** Gravel Pit Other Orchard Mixed Wood Deciduous Brushwood Furze Rough Pasture Arrow denotes Trigonometrical flow of water Station Site of Antiquities Bench Mark Pump, Guide Post, Well, Spring, Signal Post **Boundary Post** ·285 Surface Level Sketched Instrumental Contour Contour Fenced Main Roads Minor Roads Un-Fenced Raised Road Sunken Road Railway over Road over Railway Ri∨er Railway over Level Crossing Road Road over Road over Road over County Boundary (Geographical) County & Civil Parish Boundary Administrative County & Civil Parish Boundary County Borough Boundary (England) Co. Boro. Bdy. County Burgh Boundary (Scotland) Rural District Boundary R.D. Bdy.

····· Civil Parish Boundary

#### Ordnance Survey Plan 1:10,000

ولاستنام	Chalk Pit, Clay Pi	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Gravel Pit
	Sand Pit		Disused Pit or Quarry
1.0.0	Refuse or Slag Heap	<b></b>	Lake, Loch or Pond
	Dunes	000	Boulders
<b>弁</b>	Coniferous Trees	$\Diamond \Diamond \Diamond$	Non-Coniferous Trees
ቀ ቀ	Orchard Ω n _	Scrub	\Υ <sub>n</sub> ν Coppice
ជា ជា	Bracken	Heath '	、 , , , , Rough Grassland
<u> </u>	MarshV///	Reeds	ᢇᅶᄼ Saltings
	Dire Building	ection of Flow of V	Shingle
<b>***</b>	Glasshouse		Sand
	Sloping Masonry	Pylon	Electricity Transmission Line
	Embankı	ment	_ Standard Gauge Multiple Track Standard Gauge
Road ' ' Under		vel Foot ssing Bridge	Single Track Siding, Tramway
			or Mineral Line  + Narrow Gauge
	Geographical C	ounty	- Harrow Gaago
	<del>-</del> .	County, County B	orough
	Municipal Boro Burgh or Distric	ugh, Urban or Ru et Council	ral District,
		n or County Cons	
	Civil Parish Shown alternately	when coincidence o	f boundaries occurs
BP, BS Ch	Boundary Post or Stone Church		Police Station
СН	Club House		Public Convenience
F E Sta	Fire Engine Station		Public House
FB	Foot Bridge		Signal Box
Fn	Fountain		Spring
00	0.11.01	TOD 3	Calambana Call Dan

TCB

TCP

**Guide Post** 

Mile Post

Telephone Call Box

Telephone Call Post

## 1:10,000 Raster Mapping

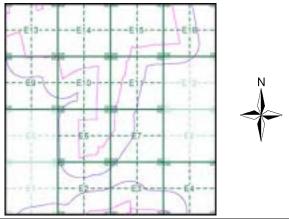
(III)	Gravel Pit	OF THE	Refuse tip or slag heap
2 2 2	Rock		Rock (scattered)
	Boulders	·.· · ,	Boulders (scattered)
2500	Shingle	(Nat)	Mud
Sard	Sand	(III)	Sand Pit
THE THINK	Slopes	11111111111111111111111111111111111111	Top of cliff
	General detail		Underground detail
	Overhead detail	++++++++	Narrow gauge railway
St.	Multi-track railway		Single track railway
	(England only)	• • • • • • • • • • • • • • • • • • • •	Civil, parish or community boundary
	District, Unitary, Metropolitan, London Borough boundary		Constituency boundary
۵۵ <sub>4</sub> ‡	Area of wooded vegetation	00 00	Non-coniferous trees
۵۵	Non-coniferous trees (scattered)	** **	Coniferous trees
* *	Coniferous trees (scattered)	ଭ	Positioned tree
0 0	Orchard	4 8	Coppice or Osiers
art.	Rough Grassland	_whe	Heath
On.	Scrub	Mr.	Marsh, Salt Marsh or Reeds
6	Water feature	-	Flow arrows
MHW(S)	Mean high water (springs)	MLW(S)	Mean low water (springs)
-••-	Telephone line (where shown)		Electricity transmission line (with poles)
+ BM 123.45 m	Bench mark (where shown)	Δ	Triangulation station
- 63	Point feature (e.g. Guide Post or Mile Stone)	⊠	Pylon, flare stack or lighting tower
-[-	Site of (antiquity)		Glasshouse
	General Building		Important Building



### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:10,560	1885 - 1886	2
Lincolnshire	1:10,560	1907	3
Lincolnshire	1:10,560	1907	4
Lincolnshire	1:10,560	1947 - 1948	5
Ordnance Survey Plan	1:10,000	1956	6
Ordnance Survey Plan	1:10,000	1979	7
10K Raster Mapping	1:10,000	2000	8
10K Raster Mapping	1:10,000	2006	9
VectorMap Local	1:10,000	2021	10

#### **Historical Map - Slice E**



#### **Order Details**

Order Number: 287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 492450, 384020

Slice: Site Area (Ha):

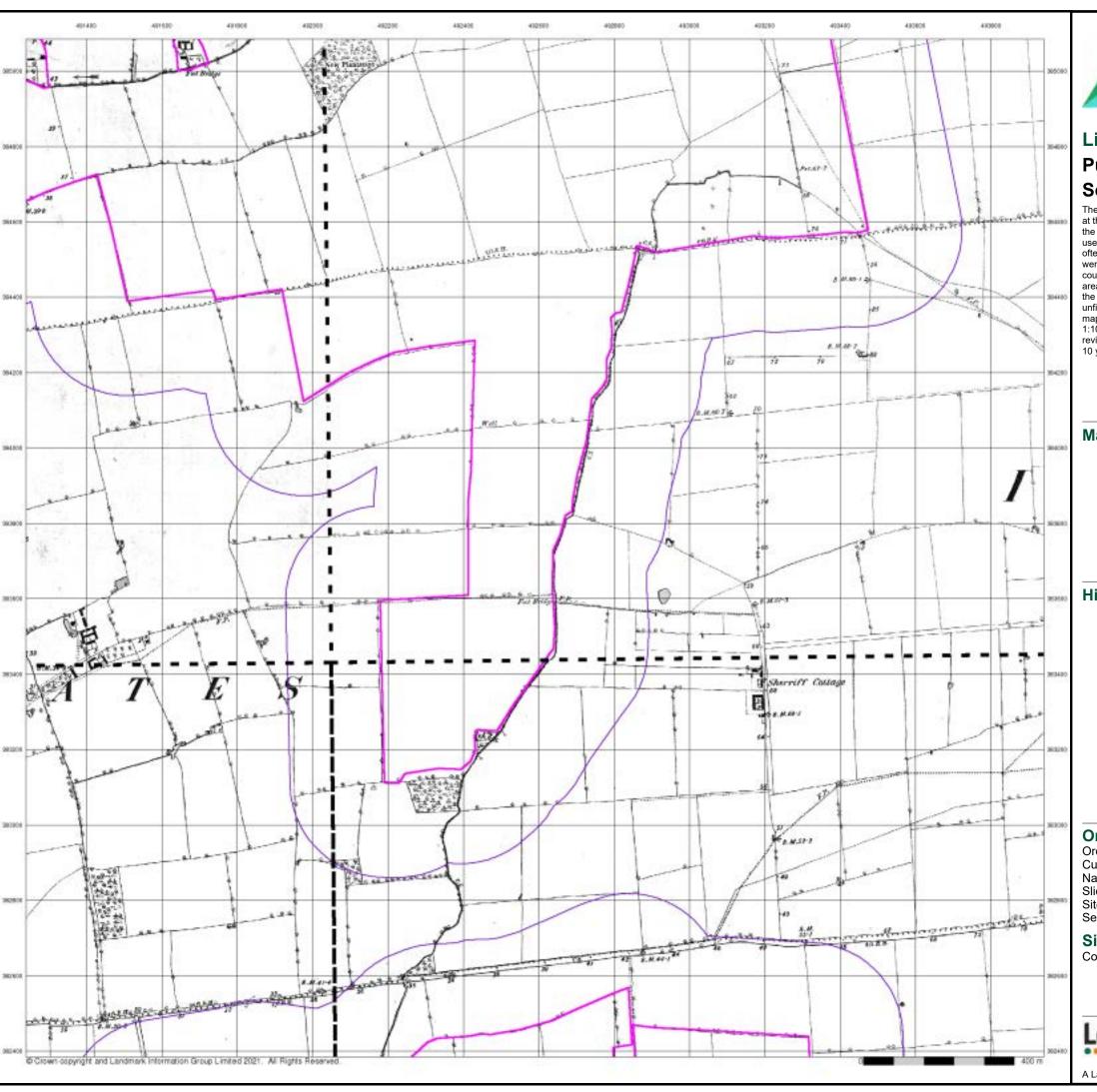
884.45 Search Buffer (m): 250

**Site Details** Cottam 1

Landmark

0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021 Page 1 of 10



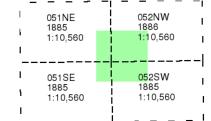


#### Lincolnshire

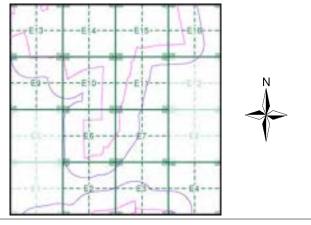
## Published 1885 - 1886 Source map scale - 1:10,560

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 E**



#### **Order Details**

Order Number: 287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 492450, 384020 Slice:

Site Area (Ha): Search Buffer (m): 884.45 250

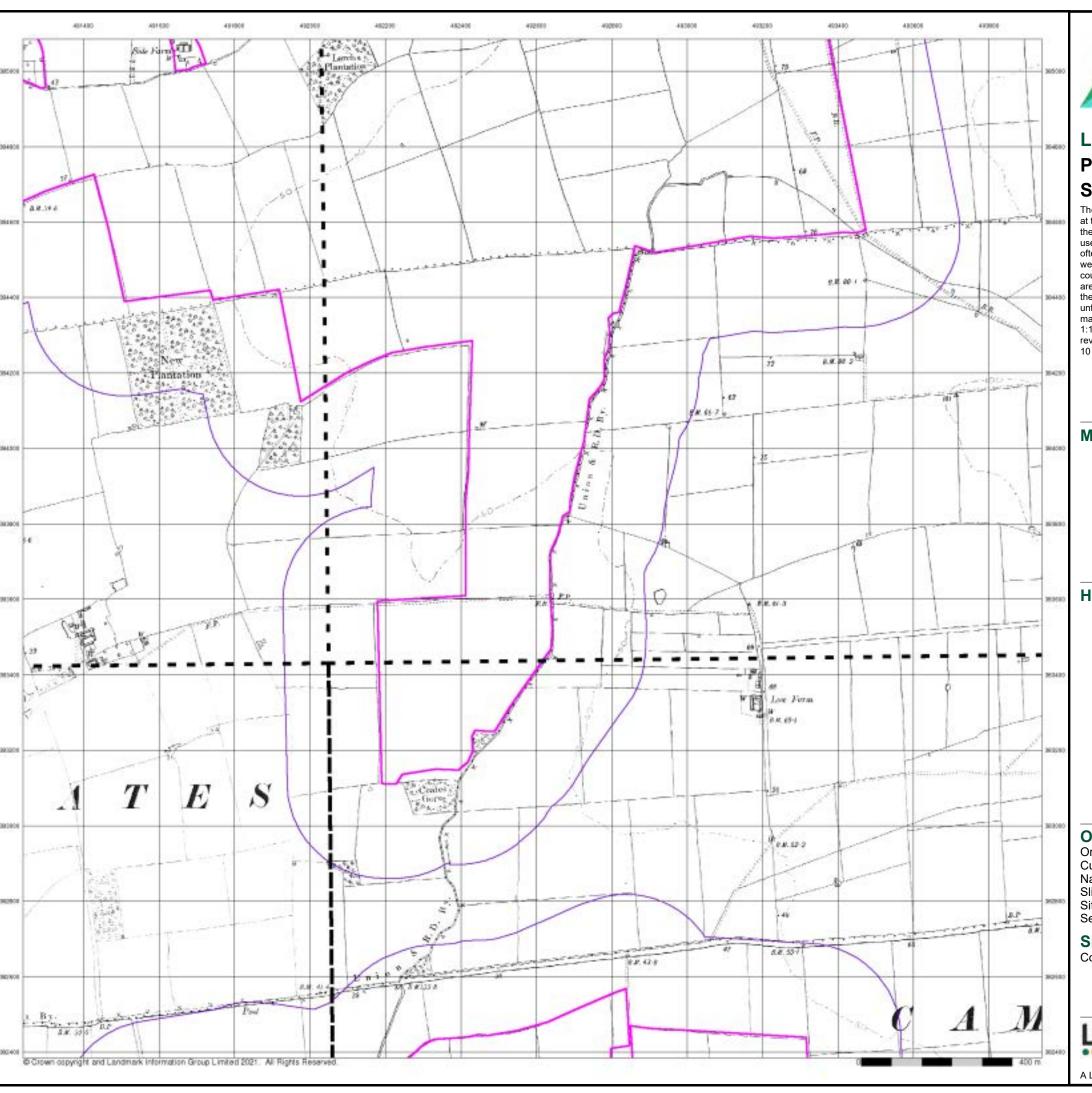
## **Site Details**

Cottam 1



0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021 Page 2 of 10

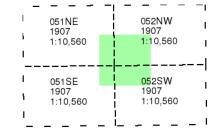




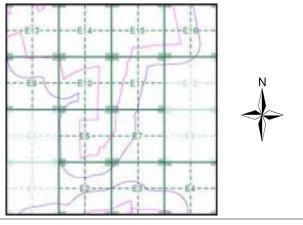
## Lincolnshire Published 1907 Source map scale - 1:10,560

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 E**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 Customer Ref: National Grid Reference: 492450, 384020 Slice:

Site Area (Ha): Search Buffer (m): 884.45 250

## **Site Details**

Cottam 1



0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021 Page 3 of 10



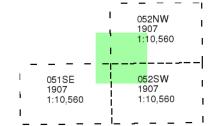


## Lincolnshire **Published 1907**

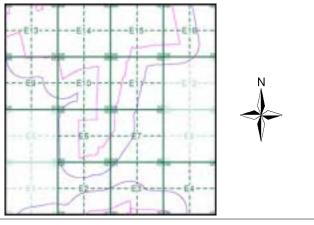
## Source map scale - 1:10,560

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 E**



#### **Order Details**

Order Number: 287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 492450, 384020 Slice:

Site Area (Ha): Search Buffer (m): 884.45 250

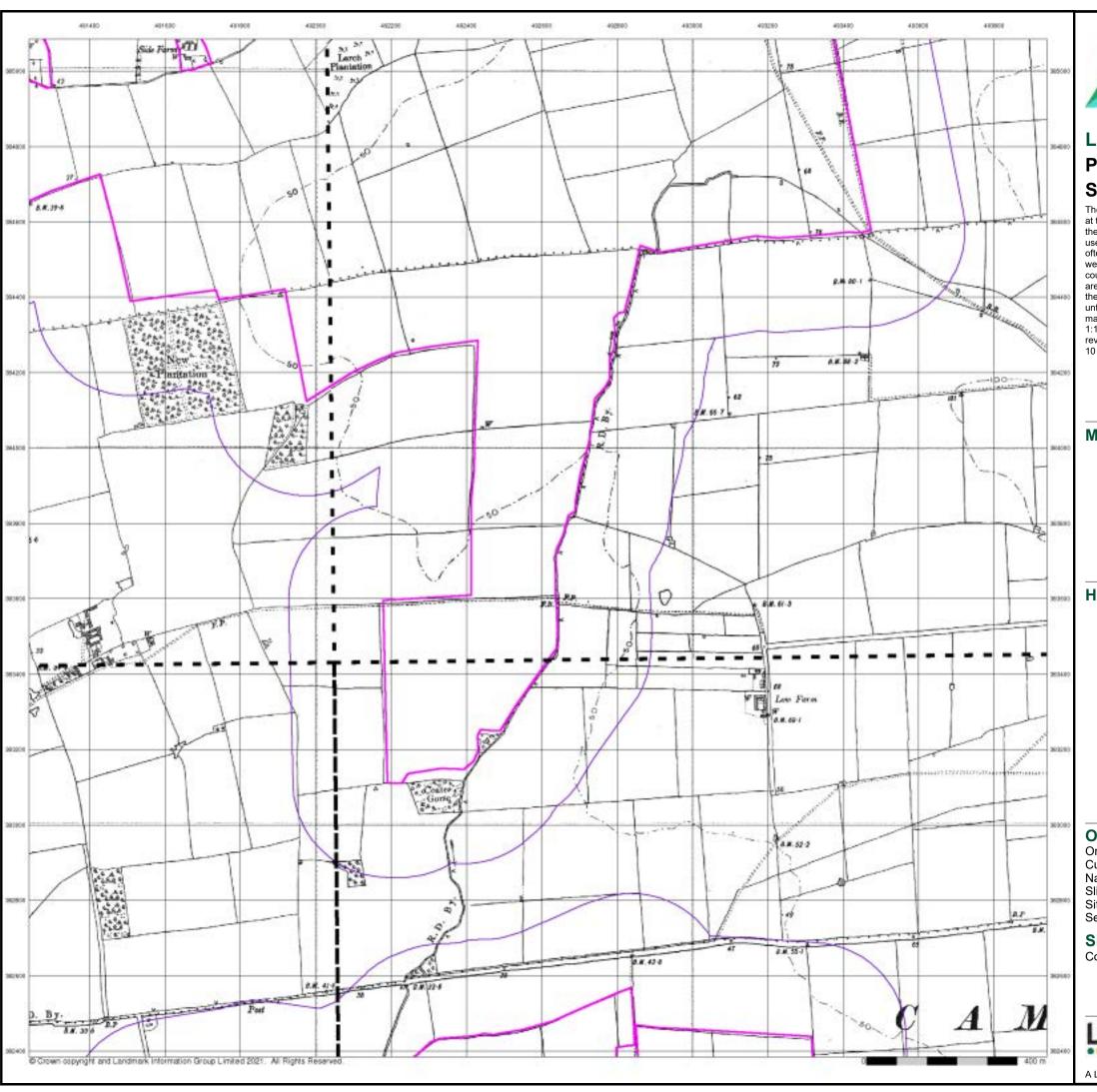
## **Site Details**

Cottam 1

Landmark

0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021 Page 4 of 10



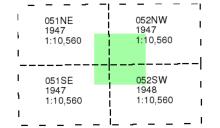


#### Lincolnshire

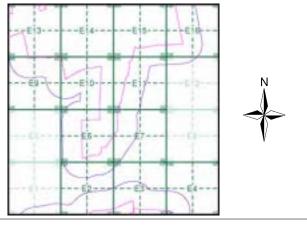
## **Published 1947 - 1948** Source map scale - 1:10,560

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 E**



#### **Order Details**

Order Number: 287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 492450, 384020 Slice:

Site Area (Ha): 884.45 Search Buffer (m):

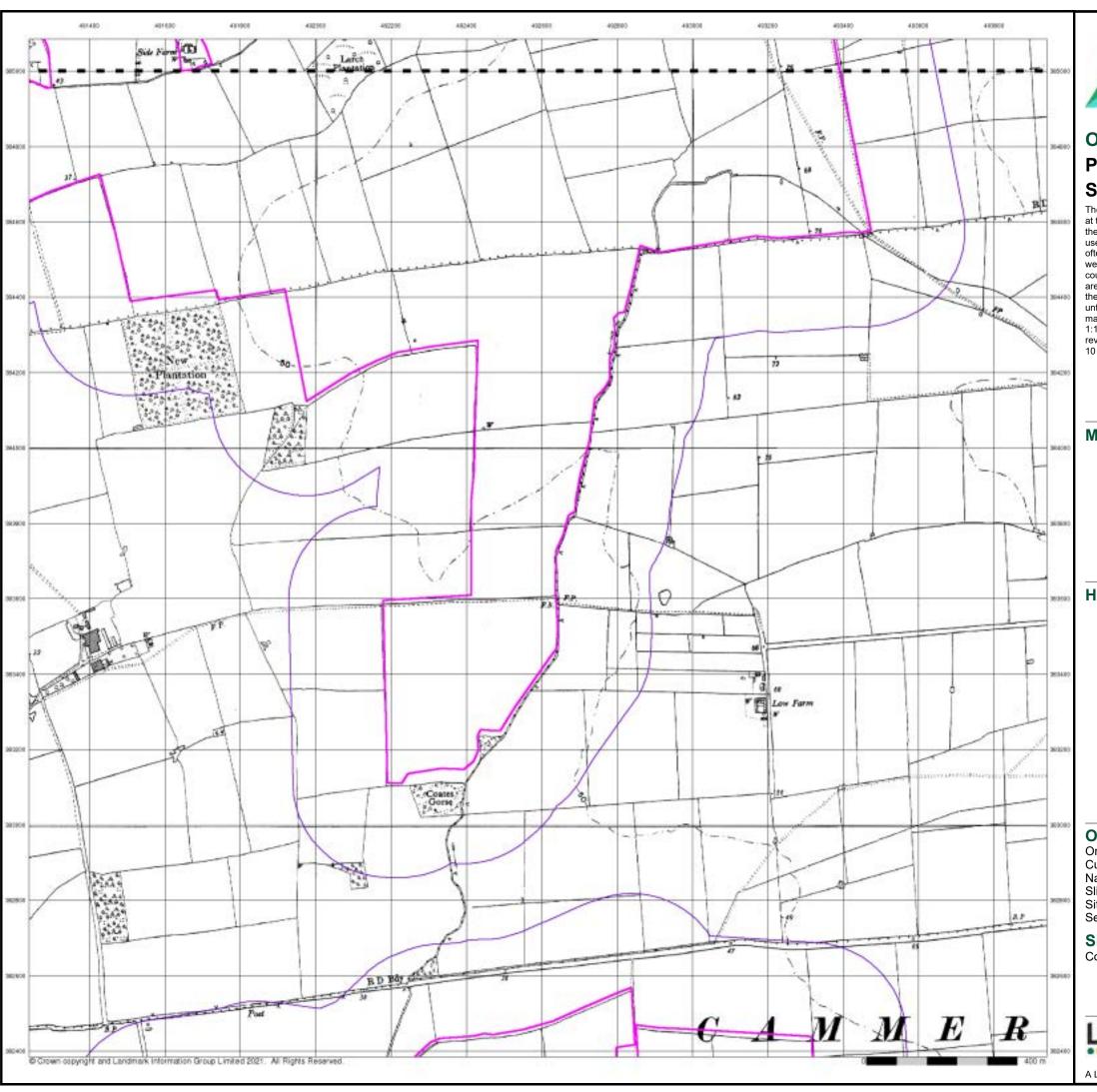
## **Site Details**

Cottam 1



0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021 Page 5 of 10

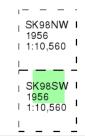




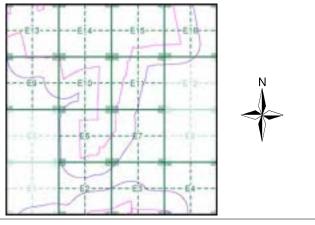
## **Ordnance Survey Plan Published 1956** Source map scale - 1:10,000

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 E**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 **Customer Ref:** National Grid Reference: 492450, 384020 Slice:

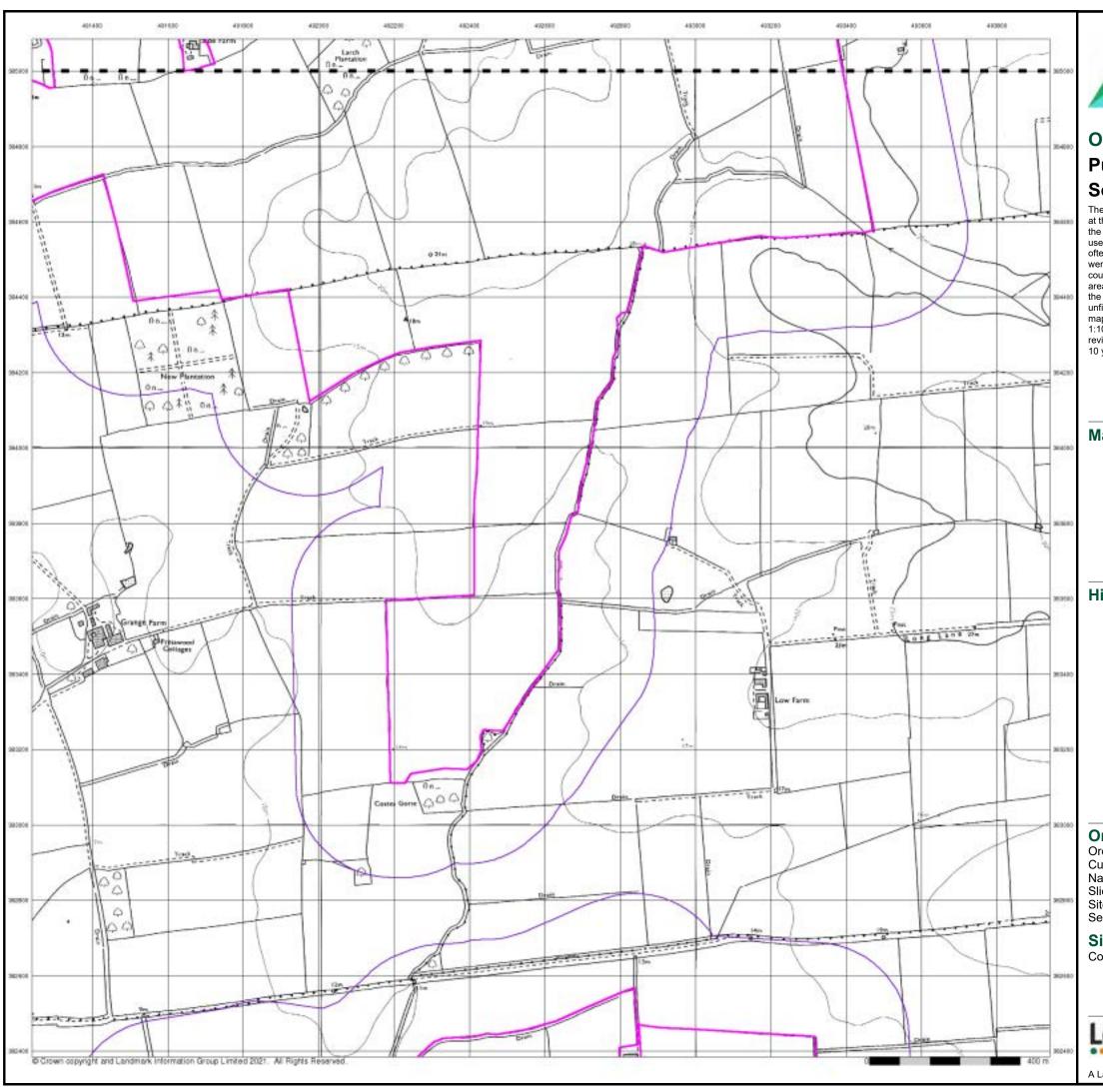
Site Area (Ha): Search Buffer (m): 884.45

## **Site Details**

Cottam 1



A Landmark Information Group Service v50.0 04-Nov-2021 Page 6 of 10

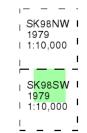




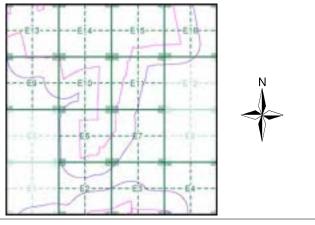
## **Ordnance Survey Plan Published 1979** Source map scale - 1:10,000

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 E**



#### **Order Details**

Order Number: 287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 492450, 384020 Slice:

Site Area (Ha): Search Buffer (m): 884.45

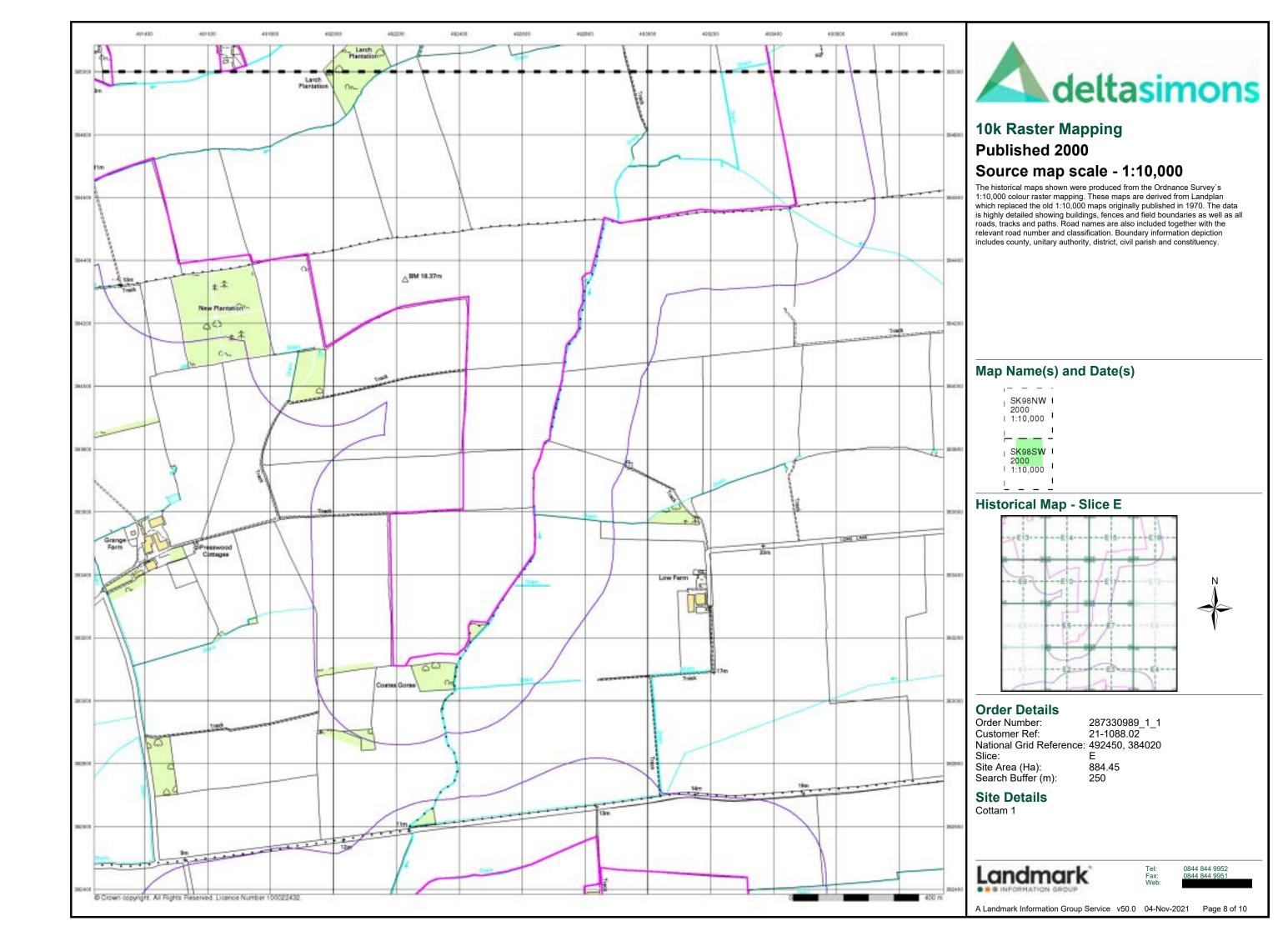
## **Site Details**

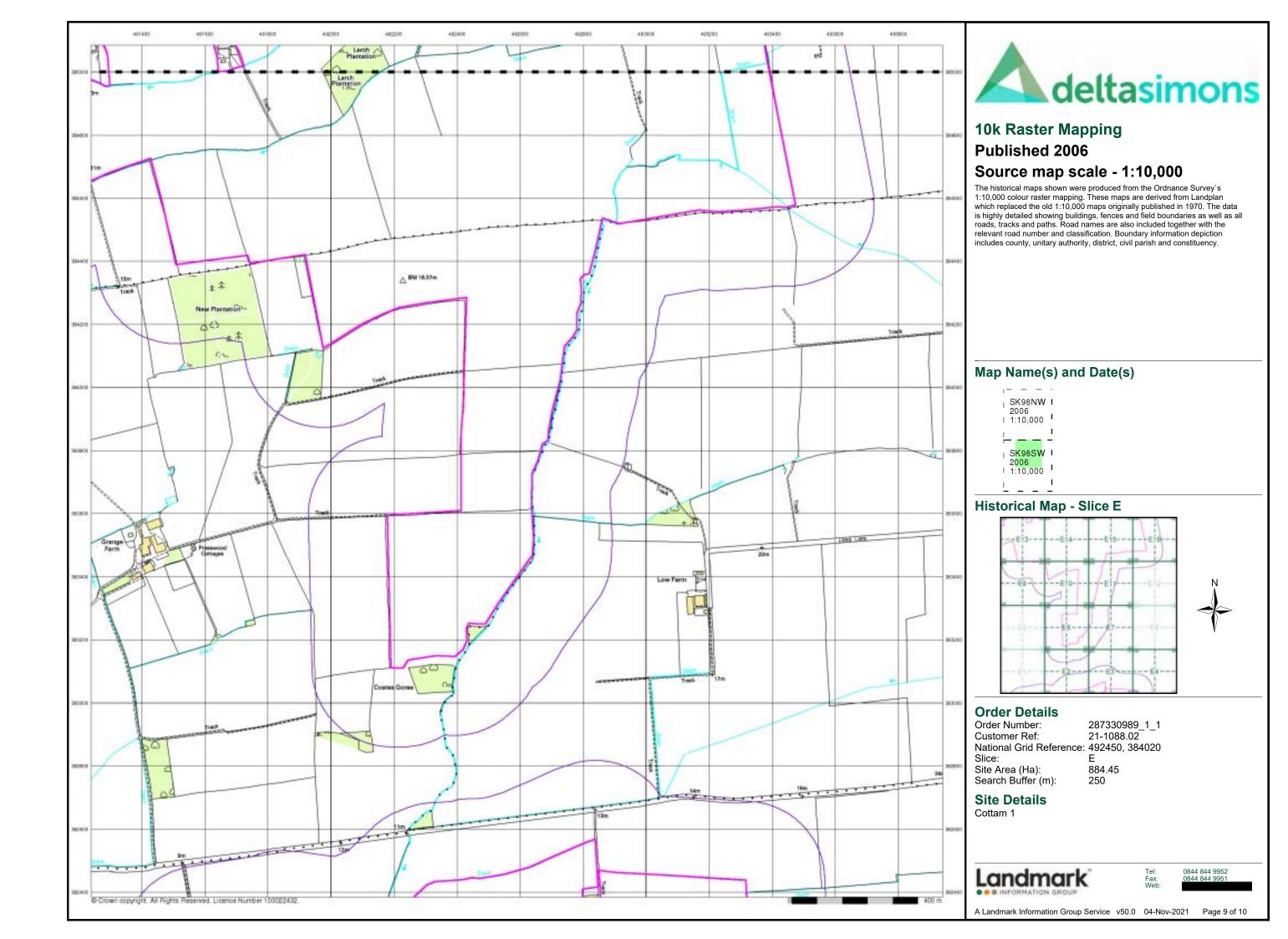
Cottam 1

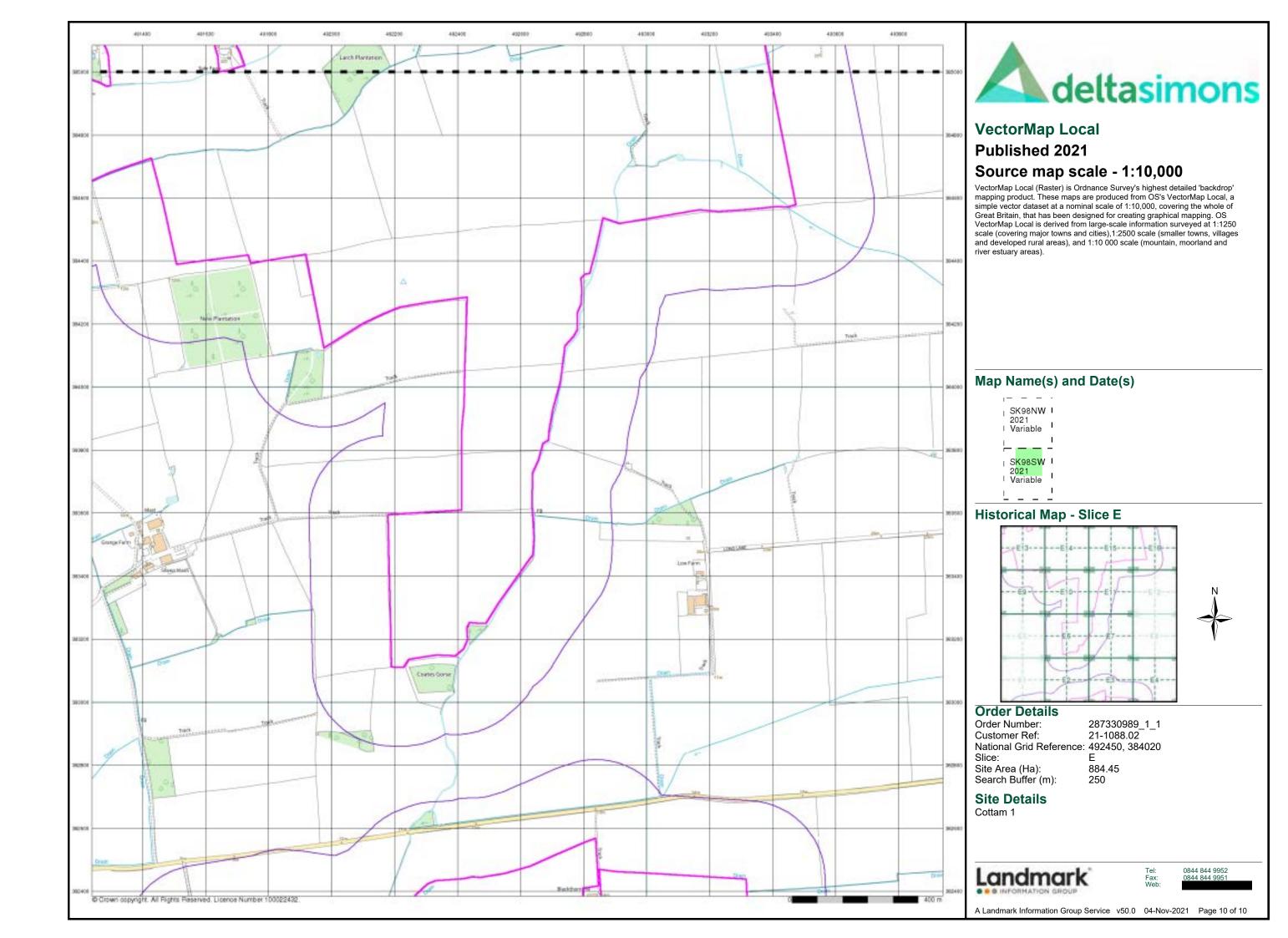


0844 844 9952

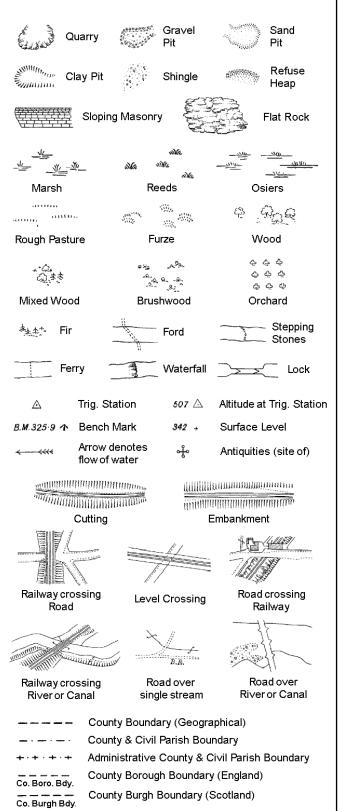
A Landmark Information Group Service v50.0 04-Nov-2021 Page 7 of 10







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



B.R.

E.P

F.B.

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

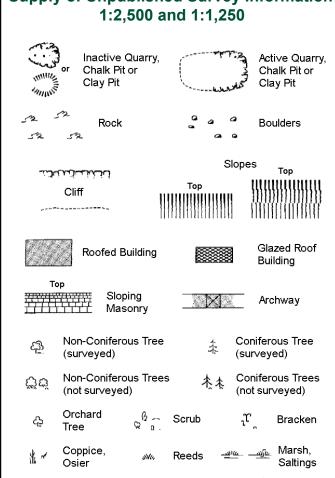
Trough Well

S.P

Sl.

Tr:

Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 



Rough Culvert யார் Heath Grassland Direction Bench Antiquity of water flow (site of) Electricity Cave Triangulation Ŧ.

ETL Elec	tricity Transmission Line
	County Boundary (Geographical)
. — . — .	County & Civil Parish Boundary
	Civil Parish Boundary
· <del></del> · <del></del> ·	Admin. County or County Bor. Boundary
-e- L B Bdy -e-	London Borough Boundary
	Symbol marking point where boundary mereing changes

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

## 1:1,250

**************************************	Slopes Top
Clitt الله ئائدىنىڭنى	Top [[[[[[]]]]]]]
∽ Rock	Rock (scattered)
△ Boulders	△ Boulders (scattered)
○ Positioned Boulder	& Scree
Non-Coniferous Tree (surveyed)	Coniferous Tree (surveyed)
ည့် A Non-Coniferous Trees (not surveyed)	★★ Coniferous Trees (not surveyed)
	crub <sub>ໃ</sub> ້ Bracken
Coppice, AND RE	eeds <u>ചയ ചൃശ</u> Marsh, Saltings
Rough He	eath Culvert
	iangulation 4 Antiquity ation (site of)
_ E T L Electricity Transmission	on Line Electricity Pylon
k√am 291.60m Bench Mark	Buildings with Building Seed
Roofed Building	Glazed Roof Building
Civil parish/co	ommunity boundary lary
— • —— County bound	lary
Boundary post	t/stone
_	reing symbol (note: these ir in opposed pairs or groups
Bks Barracks	P Pillar, Pole or Post
Bty Battery	PO Post Office
Cemy Cemetery	PC Public Convenience
Chy Chimney Cis Cistern	Pp Pump Ppg Sta Pumping Station
Dismtd Rly Dismantled Railway	PW Place of Worship
El Gen Sta Electricity Generating Station	Sewage Ppg Sta Sewage Pumping Station
EI P Electricity Pole, Pillar	SB, S Br Signal Box or Bridge
El Sub Sta Electricity Sub Station	SP, SL Signal Post or Light
FB Filter Bed	Spr Spring
Fn / D Fn Fountain / Drinking Ftn.	Tk Tank or Track

Gas Valve Compound

Mile Post or Mile Stone

Gas Governer

**Guide Post** 

Manhole

Tr

Wd Pp

Wks

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

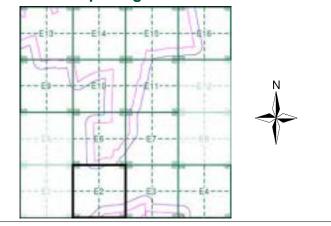
Works (building or area)



## **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

## **Historical Map - Segment E2**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 492450, 384020 Slice:

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

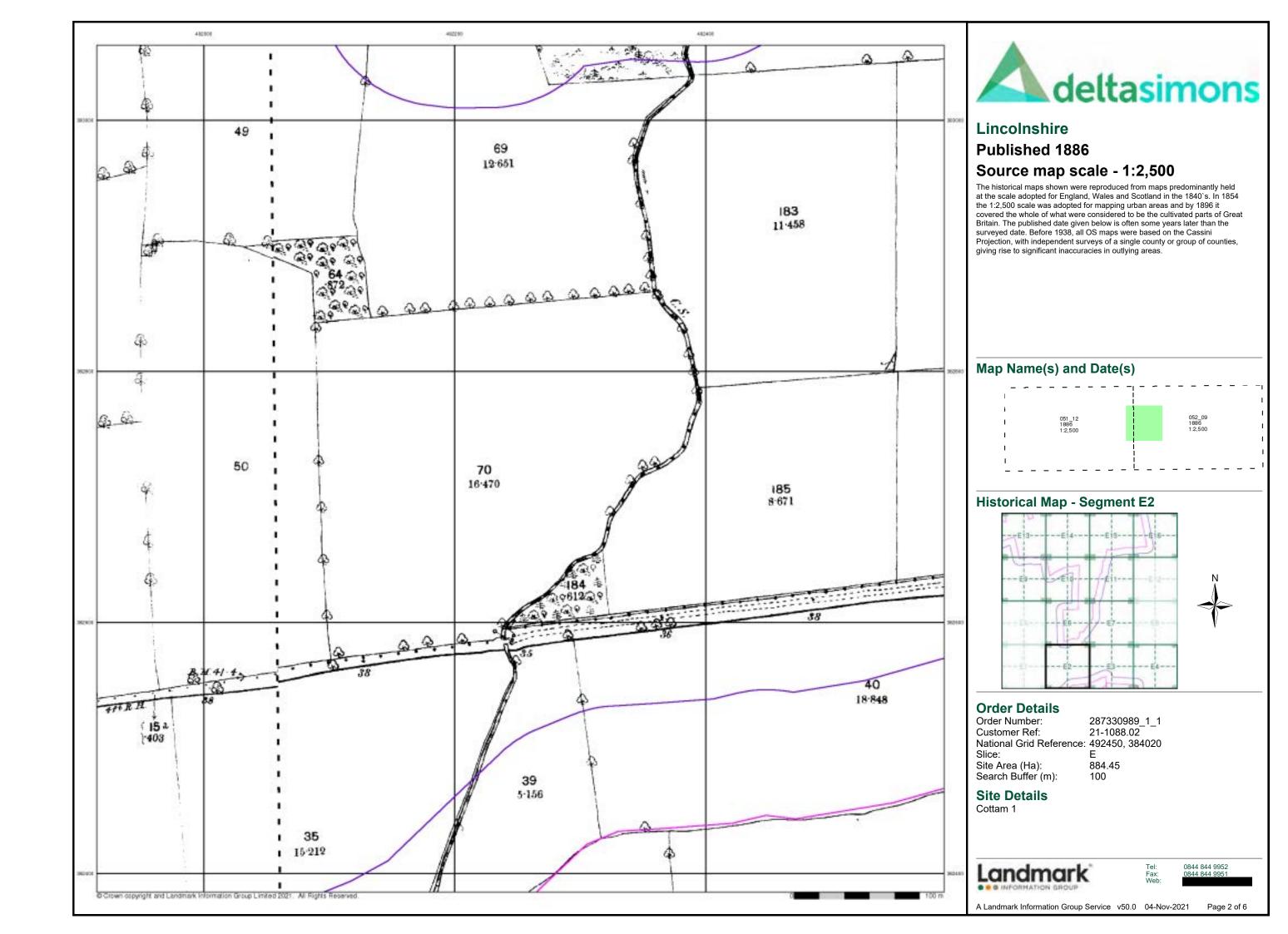
884.45

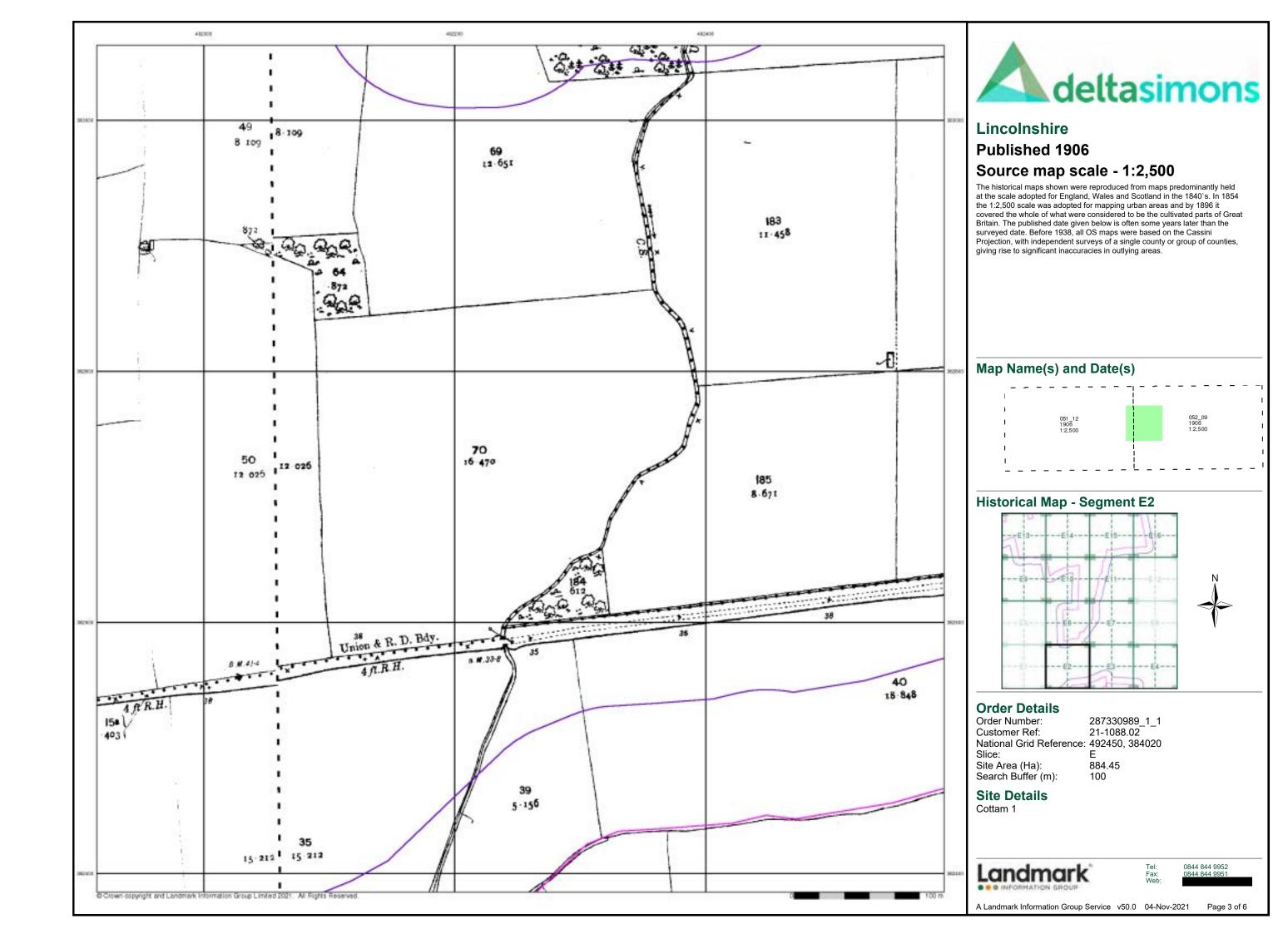
**Site Details** Cottam 1

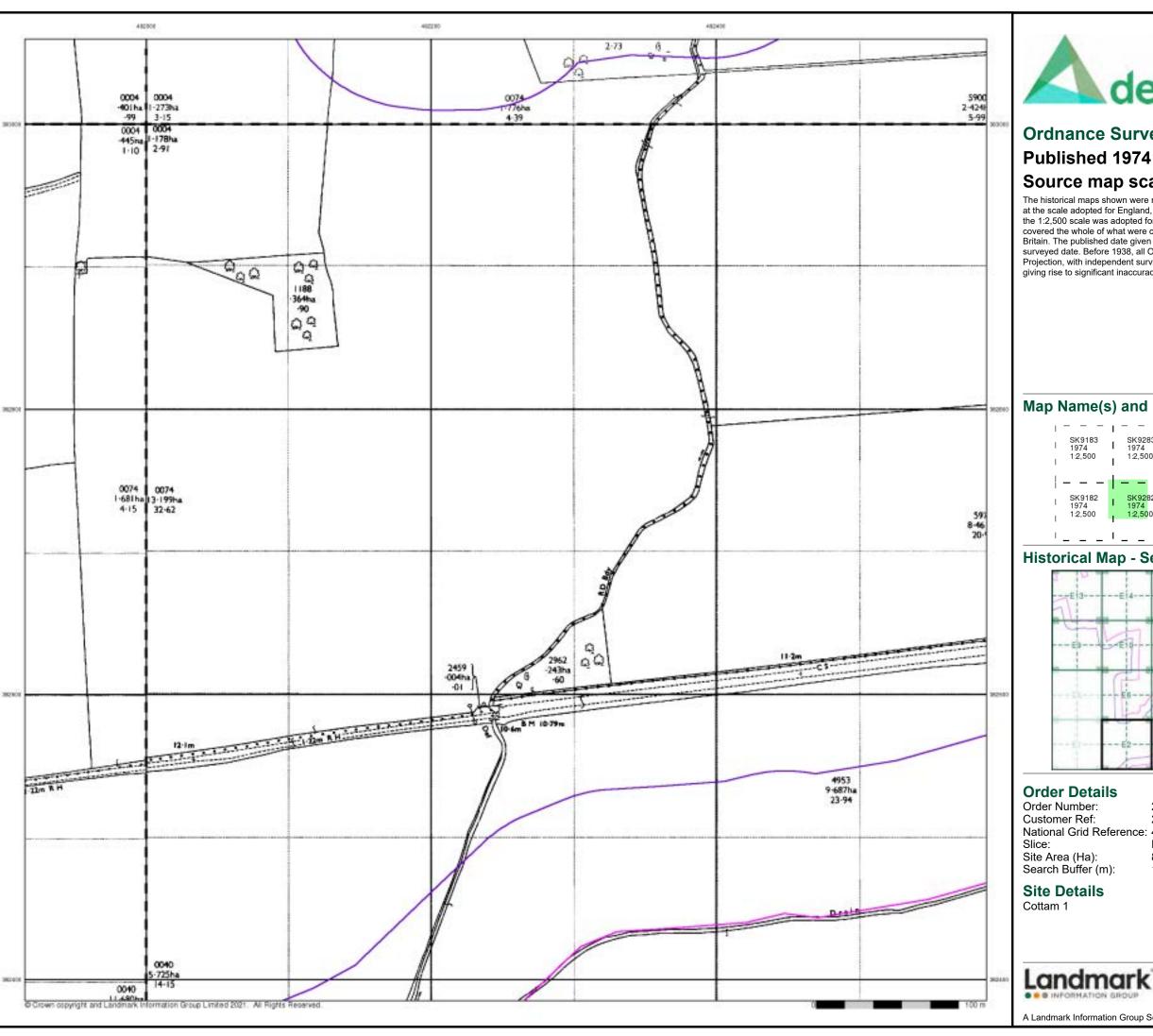
Landmark

0844 844 9952

Page 1 of 6









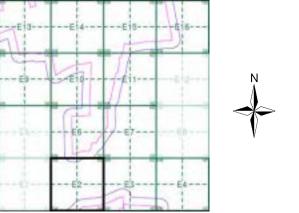
## **Ordnance Survey Plan** Published 1974 Source map scale - 1:2,500

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)

 	SK9183 1974 1:2,500	 	SK9283 1974 1:2,500	
		ı		I
1	SK9182 1974	ı	SK9282 1974	ı
1	1:2,500	ı	1:2,500	I
1		Ī		I

## **Historical Map - Segment E2**



287330989\_1\_1 21-1088.02 National Grid Reference: 492450, 384020

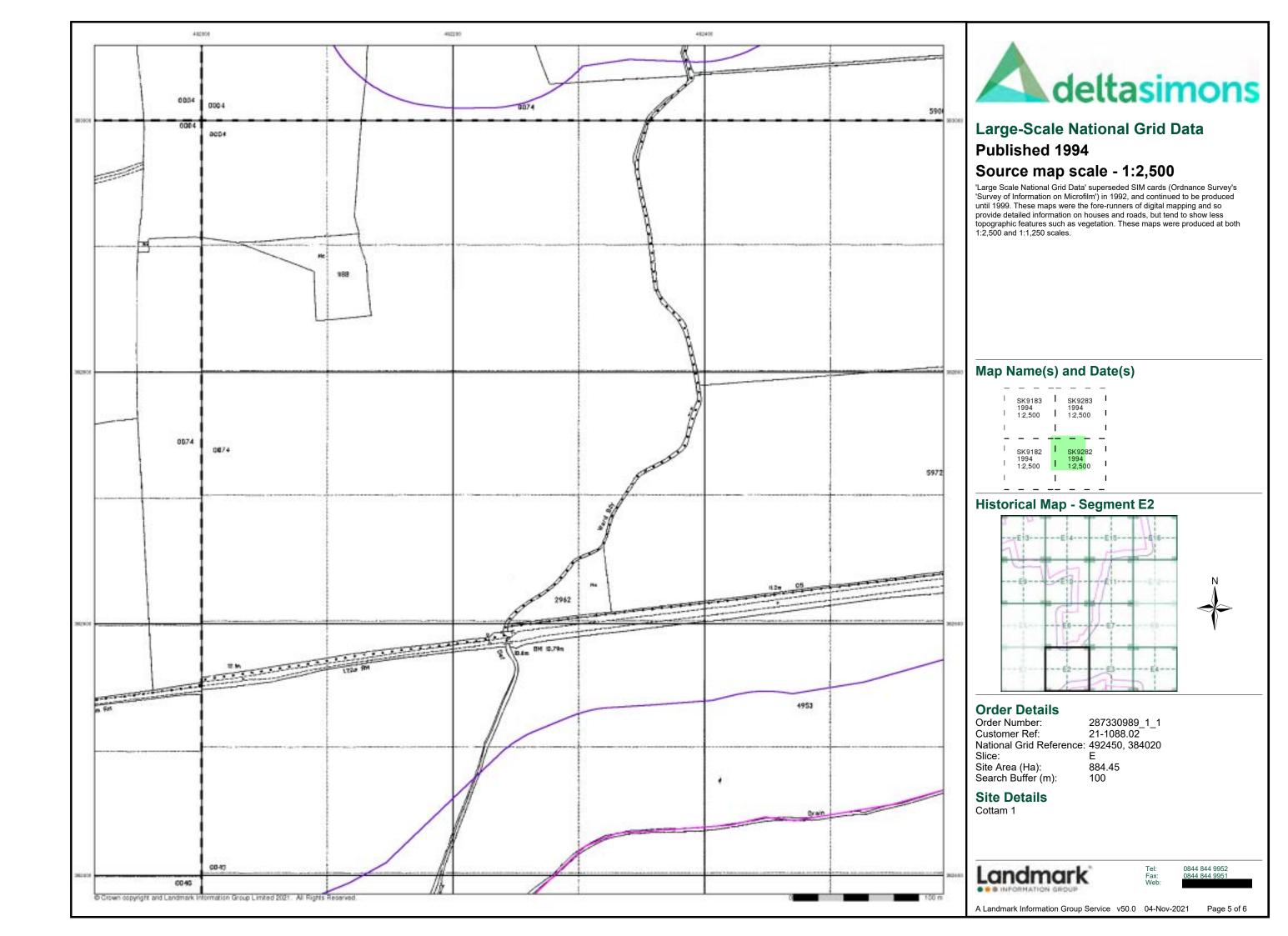
884.45



0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021

Page 4 of 6



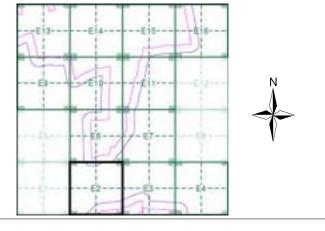




## **Historical Aerial Photography** Published 1999

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

## **Historical Aerial Photography - Segment E2**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492450, 384020

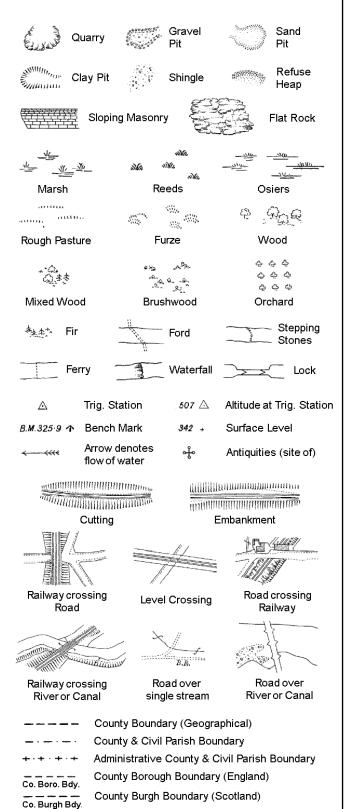
Slice:

Site Area (Ha): Search Buffer (m): 884.45 100

**Site Details** Cottam 1

Landmark

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



B.R.

E.P

F.B.

M.S

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

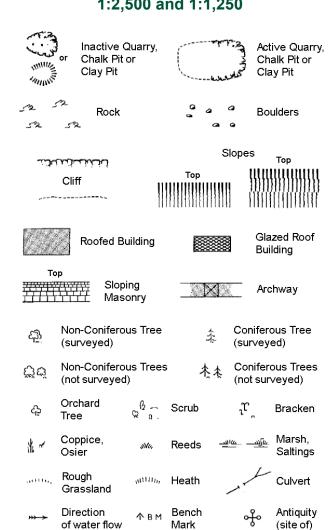
Trough Well

S.P

Sl.

Tr

Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



**Electricity Transmission Line** 

Cave

County Boundary (Geographical) County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary mereing changes

Triangulation

Electricity

Ŧ.

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

## 1:1,250

لالمالاند			Slopes Top			
			Тор	<b>,,,,,,,,</b> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
233	Rock		7.5	Rock (so	cattered)	
$\triangle_{\underline{a}}$	Boulders		Δ	Boulders	(scattered)	
$\triangle$	Positioned	Boulder		Scree		
<u> දකු</u>	Non-Conif (surveyed	erous Tree )	\$	Coniferd (surveye		
ζţά	Non-Conif (not surve	erous Trees yed)	**	Conifero	ous Trees /eyed)	
ද	Orchard Tree	Q a.	Scrub	<sup>1</sup> L	Bracken	
* ~	Coppice, Osier	siVi.	Reeds 🛥	<u> </u>	Marsh, Saltings	
artite,	Rough Grassland	<i>1</i> 11111111111111111111111111111111111	Heath	1	Culvert	
<del>*** &gt;</del>	Direction of water flo	Δ ow	Triangulation Station	, of	Antiquity (site of)	
E <u>T</u> L	_ Electric	ity Transmis	ssion Line	$\boxtimes$	Electricity Pylon	
<b>∤</b> ∤Вм	231.60m E	Bench Mark	7	Building Building		
	Roofe	ed Building		251	azed Roof iilding	
		Ci∨il parish	/community b	oundary		
		District bou	undary	•		
_ •		County bou	ındarv			
٥		Boundary p				
,c	>	Boundary r	nereing symb ear in oppose			
Bks	Barracks		Р	Pillar, Pol	le or Post	
Bty	Battery		PO	Post Offic	ce	
Cemy	Cemetery		PC -		onvenience	
Chy	Chimney		Pp Ppg Sta	Pump	Station	
Cis Dismtd F	Cistern	tled Railway	Ppg Sta PW	Pumping Place of\		
El Gen S	-	ity Generating	Sewage P	pg Sta Se	wage umping Station	
EIP	Electricity	Pole, Pillar	SB, S Br		ox or Bridge	
El Sub S	ta Electricity	Sub Station	SP, SL	Signal Po	ost or Light	
FB	Filter Bed		Spr	Spring		
Fn/DFr	Fountain /	Drinking Ftn.	Tk	Tank or T	rack	
			<b>T</b>	T		

Gas Valve Compound

Mile Post or Mile Stone

Gas Governer

**Guide Post** 

Manhole

Tr

Wd Pp

Wks

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

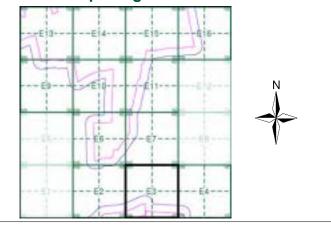
Works (building or area)



### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

## **Historical Map - Segment E3**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 **Customer Ref:** National Grid Reference: 492450, 384020 Slice: 884.45

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

**Site Details** 

Cottam 1

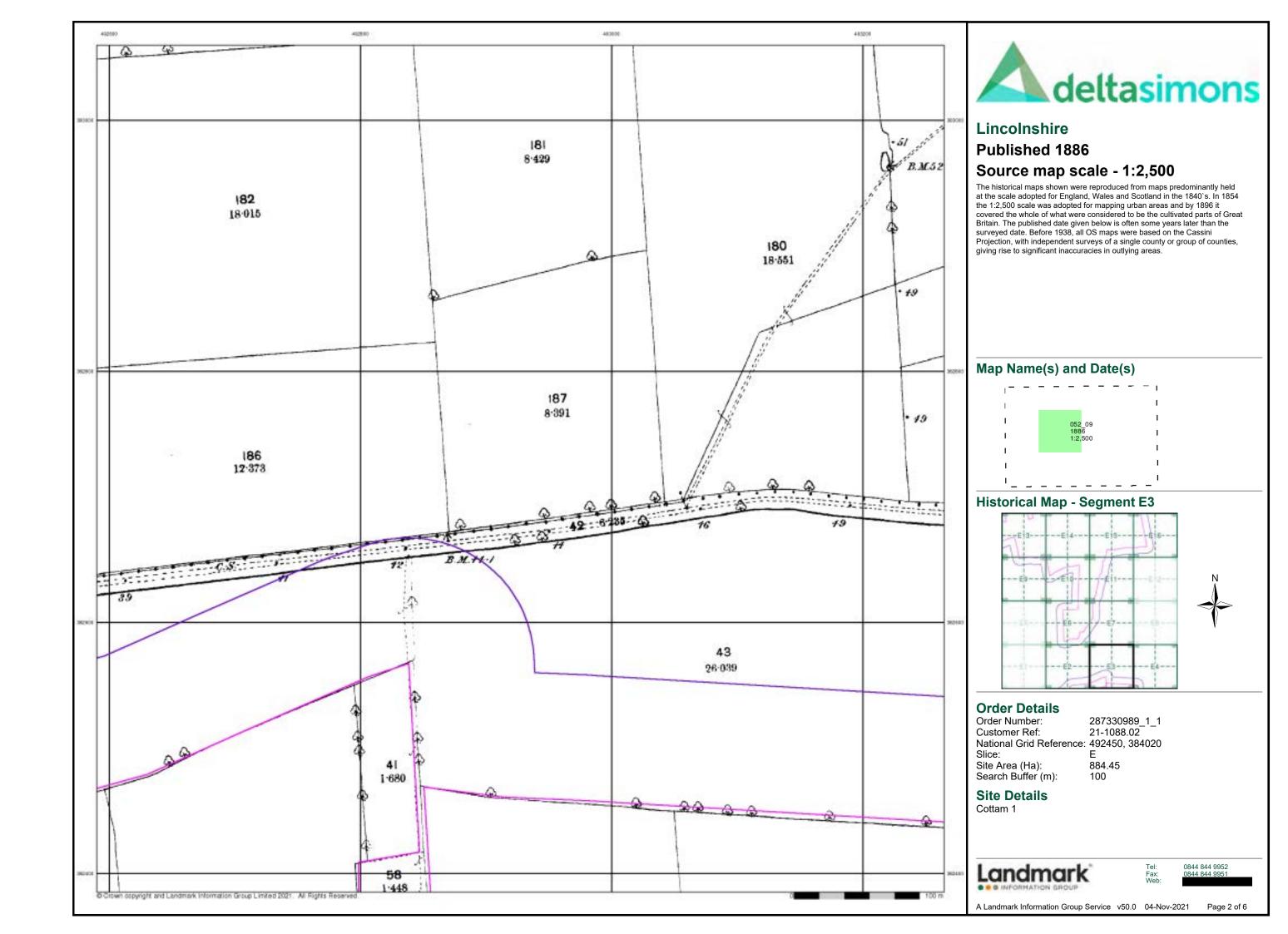
Landmark

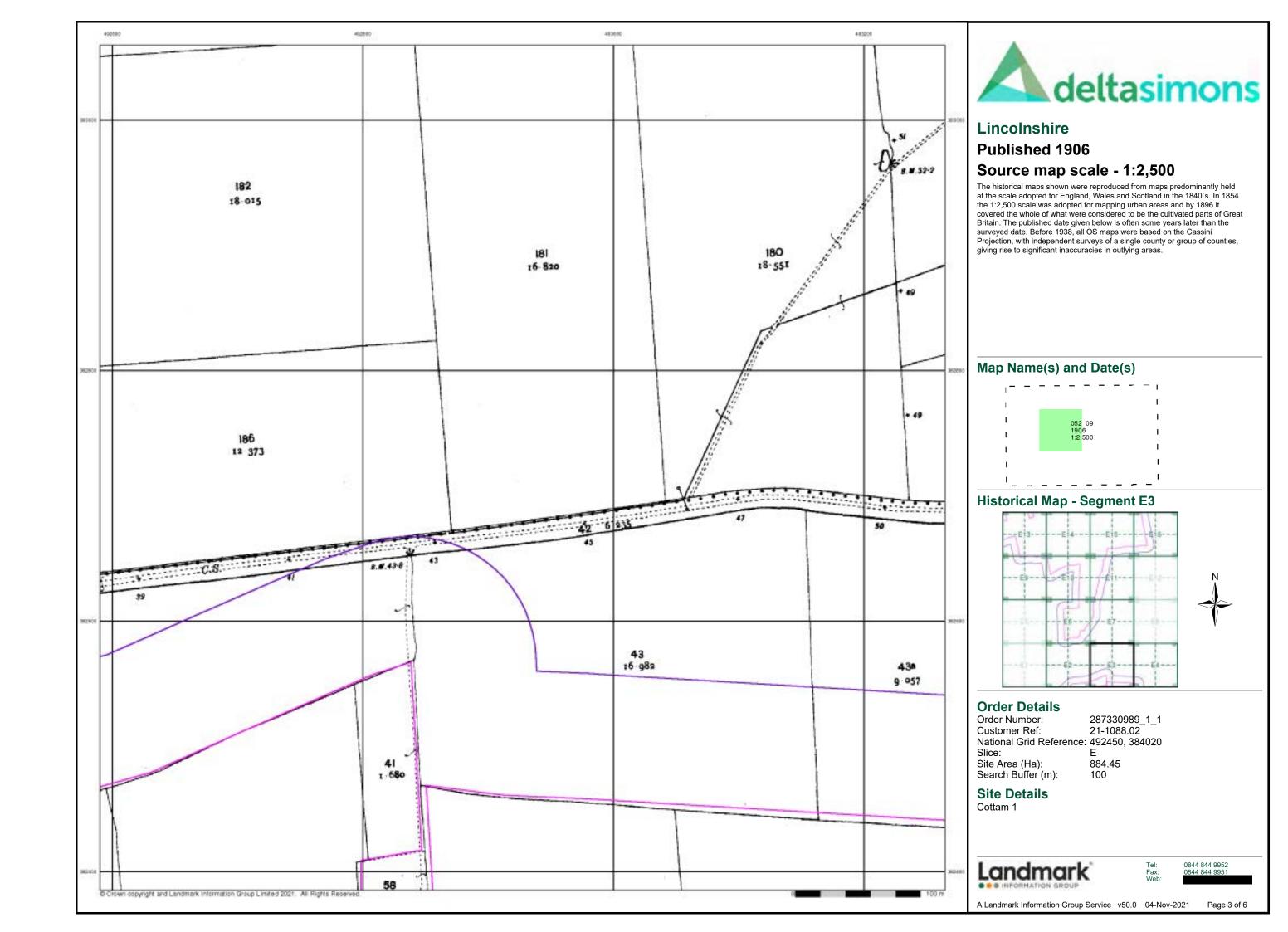
0844 844 9952

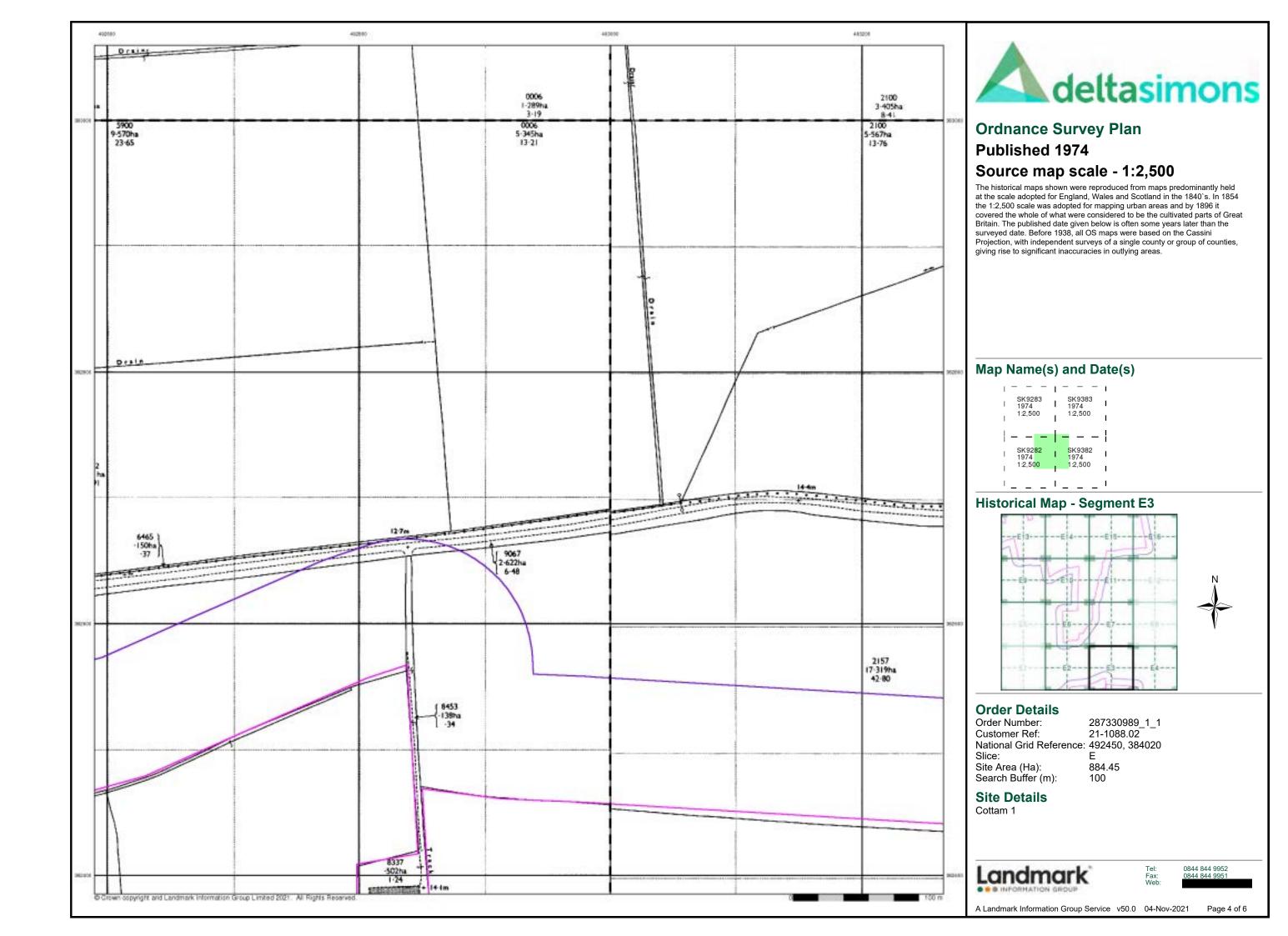
A Landmark Information Group Service v50.0 04-Nov-2021

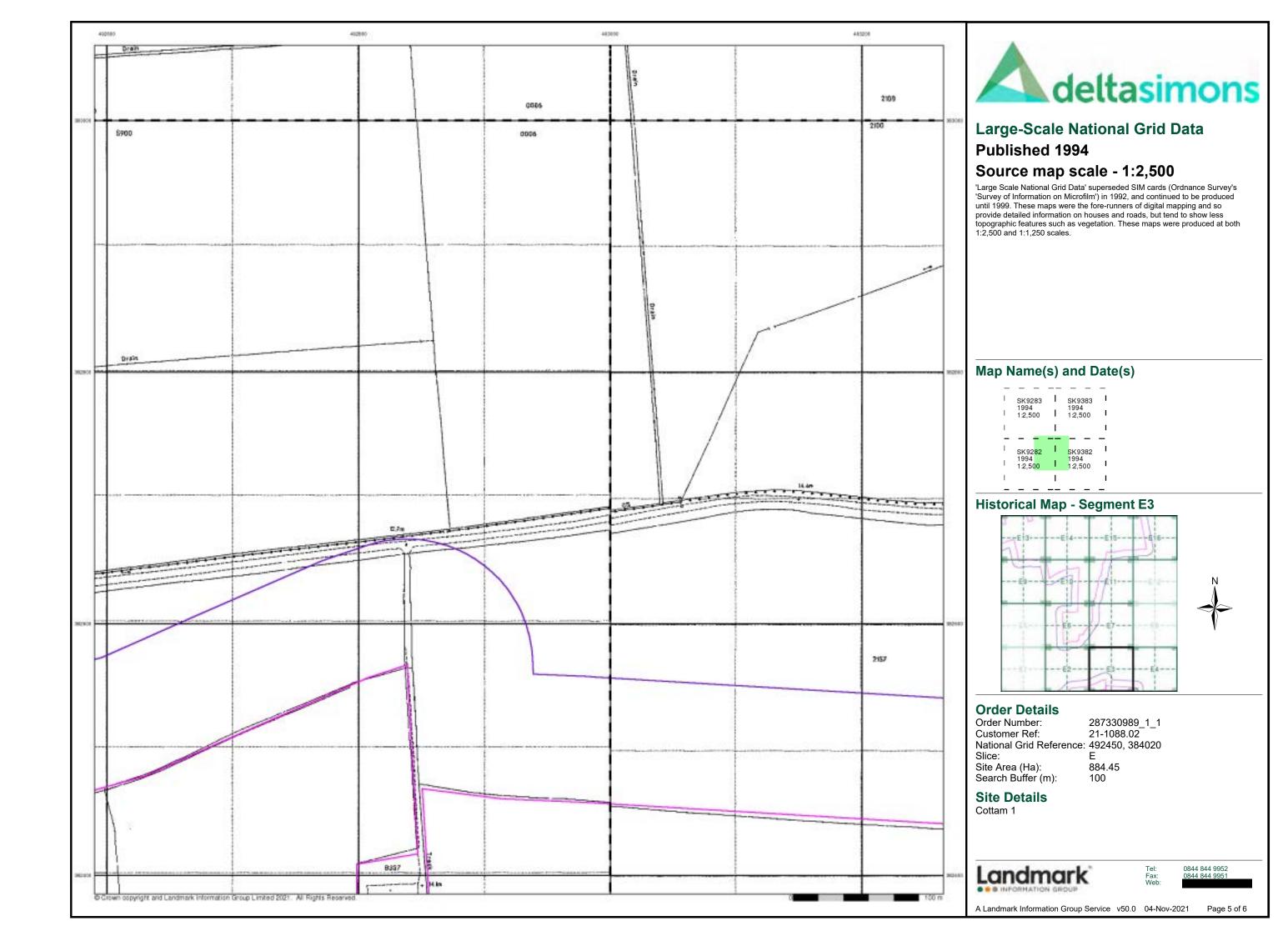
100

Page 1 of 6







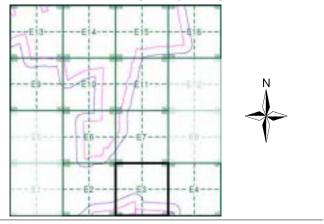






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

# **Historical Aerial Photography - Segment E3**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492450, 384020

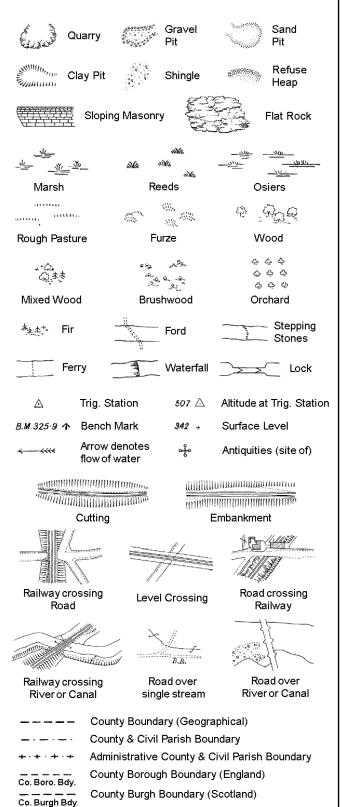
Slice: Site Area (Ha): Search Buffer (m): 884.45

**Site Details** 

Cottam 1

Landmark

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



B.R.

E.P

F.B.

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

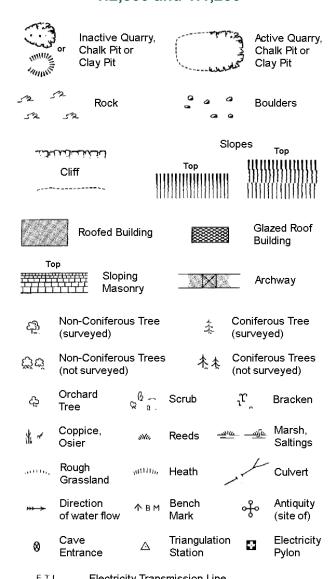
Trough Well

S.P

Sl.

Tr:

#### Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



**Electricity Transmission Line** 

County Boundary (Geographical) County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary mereing changes

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

GVC

Gas Governer

Mile Post or Mile Stone

**Guide Post** 

Manhole

Wd Pp

Wind Pump Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

# 1:1,250

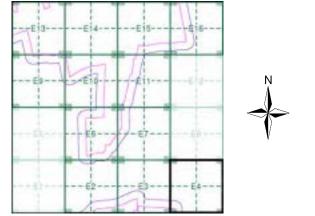
			Slopes Top			
لكنائبانديات			Тор	1111111	11111111111	
	Cliff	1111			1111111111111	
				1)[[][[		
Da.	Rock		7,3	Rock (so	cattered)	
$\Box_{a}$	Boulders		₽	Boulders	s (scattered)	
	Positioned B	oulder		Scree		
<u>ක</u> ු	Non-Conifer (surveyed)	ous Tree	*	Coniferd (surveye	ous Tree ed)	
స్తోల్	Non-Conifer (not surveye		* **	Conifero	ous Trees /eyed)	
දා	Orchard Tree	Q a.	Scrub	J,	Bracken	
* ~	Coppice, Osier	sNa,	Reeds 🛥	)രെ <i>—മി</i> ര	Marsh, Saltings	
actities,	Rough Grassland	anna,	Heath	1	Culvert	
<del>&gt;&gt;&gt; ≻</del>	Direction of water flow	, Δ	Triangulation Station	, &	Antiquity (site of)	
E_TL	_ Electricity	/ Transmis	ssion Line	$\boxtimes$	Electricity Pylon	
\ <del> </del>	231.60m Be	nch Mark	7	Building Building	gs with g Seed	
	Roofed	Building		88	azed Roof uilding	
		ivil narich	/community b	oundary		
· <u>·</u>		istrict bo	=	ouridary		
			-			
_ •	· C	ounty boo	undary			
9	В	oundary p	ost/stone			
×	∘ a		mereing symb pear in oppose			
Bks	Barracks		Р	Pillar, Po	le or Post	
Bty	Battery		PO	Post Offi	ce	
Cemy	Cemetery		PC	Public C	onvenience	
Chy	Chimney		Pp	Pump		
Cis	Cistern	4 D-2	Ppg Sta	Pumping		
Dismtd F El Gen S	-	d Railway Generating	PW Sewage F	Place of	Worship ewage	
El Gell 3	Station	Generating	Sewaye F		awage Jimping Station	
EIP	Electricity Po	,	SB, S Br	Signal B	ox or Bridge	
El Sub S	ta Electricity Su	ıb Station	SP, SL	Signal P	ost or Light	
FB	Filter Bed		Spr	Spring		
Fn/DFr		_	Tk -	Tank or 1	rack rack	
Gas Gov	Gas Valve Co	mpound	Tr	Trough		



# **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

# **Historical Map - Segment E4**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 492450, 384020 Slice: 884.45

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

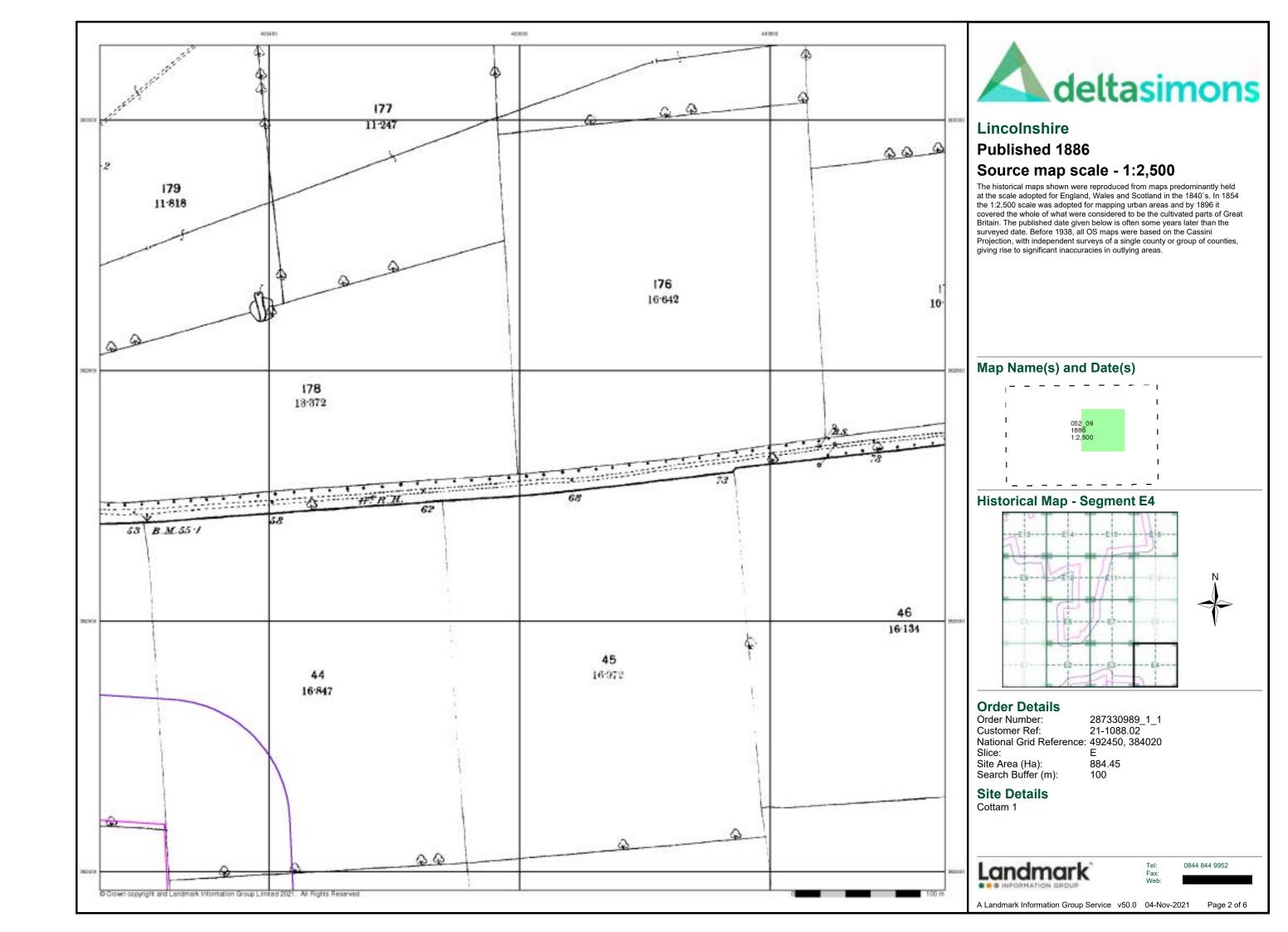
**Site Details** Cottam 1

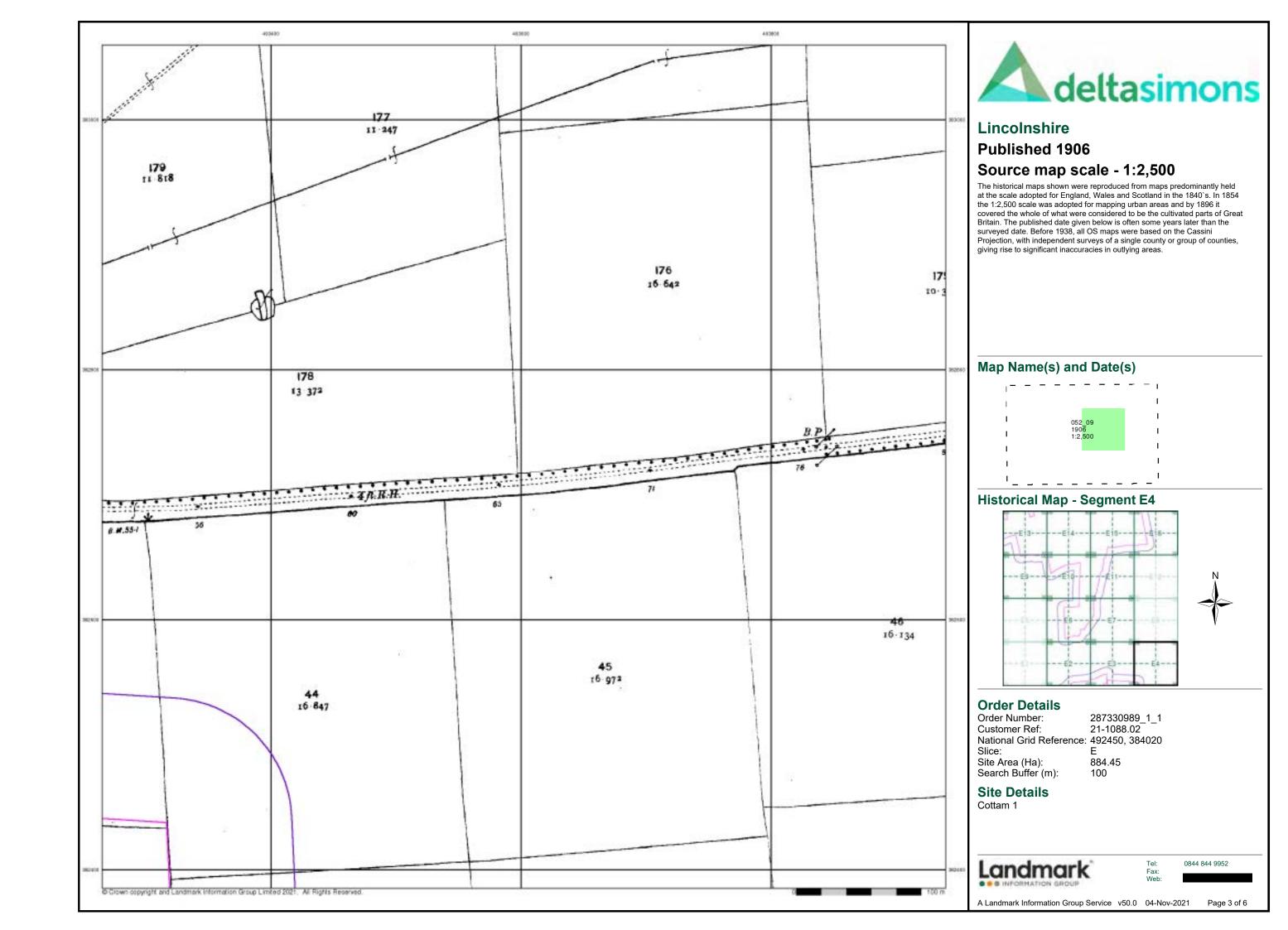
Landmark

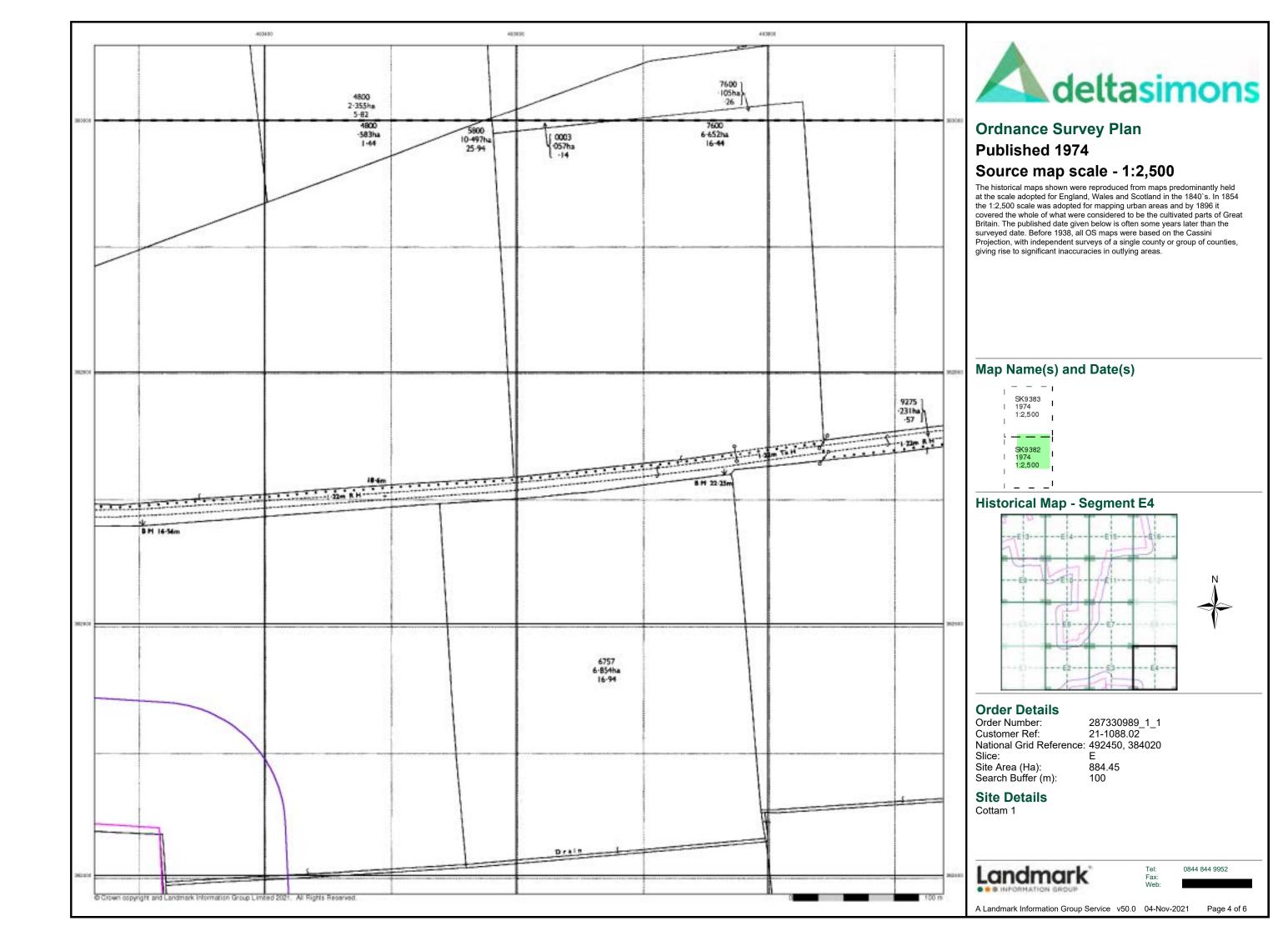
0844 844 9952

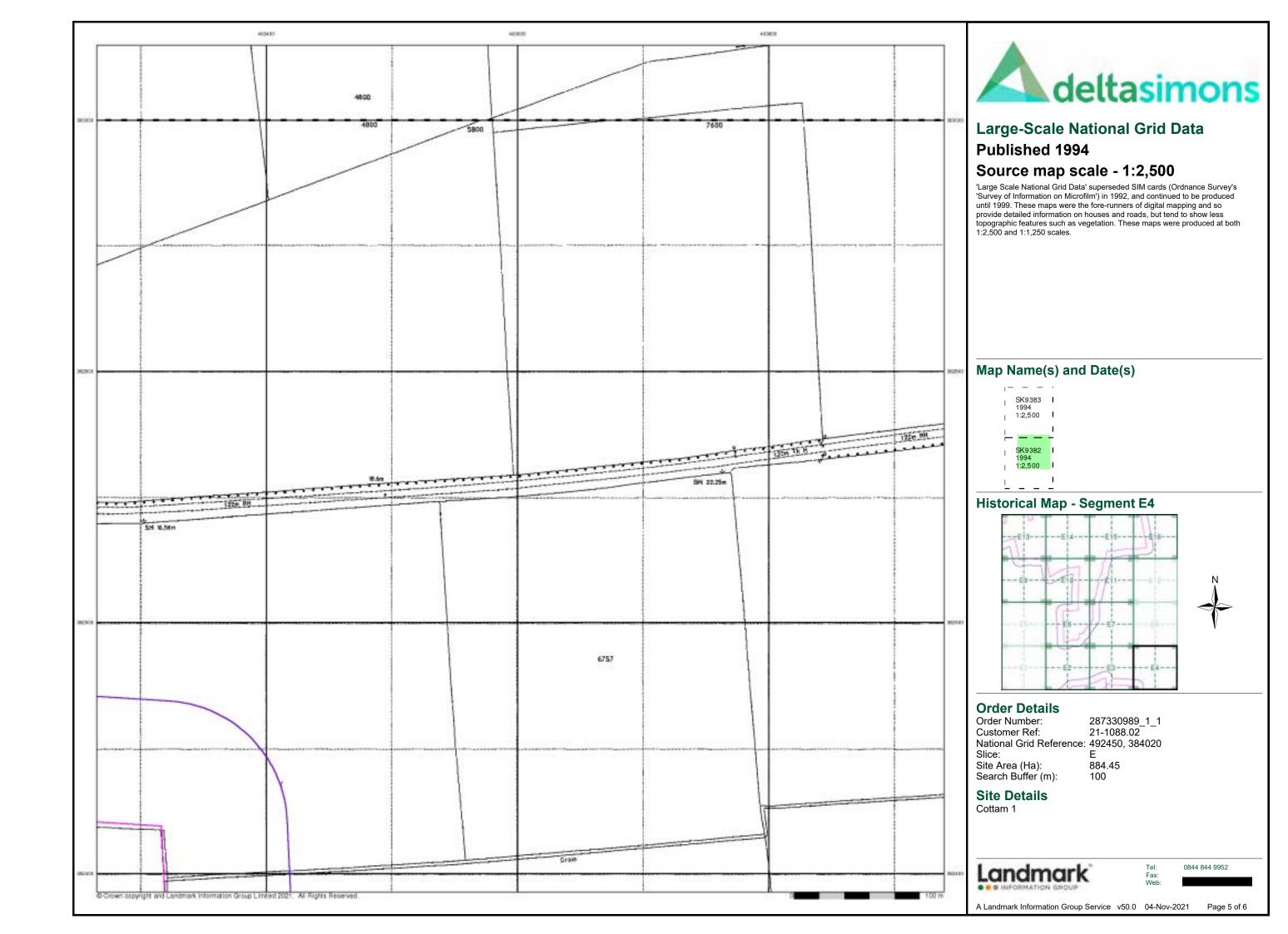
A Landmark Information Group Service v50.0 04-Nov-2021

Page 1 of 6







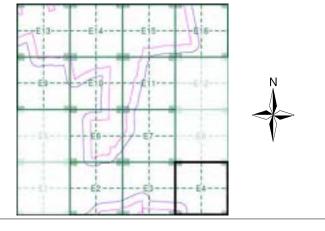






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

#### **Historical Aerial Photography - Segment E4**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492450, 384020

Slice:

Site Area (Ha): Search Buffer (m): 884.45

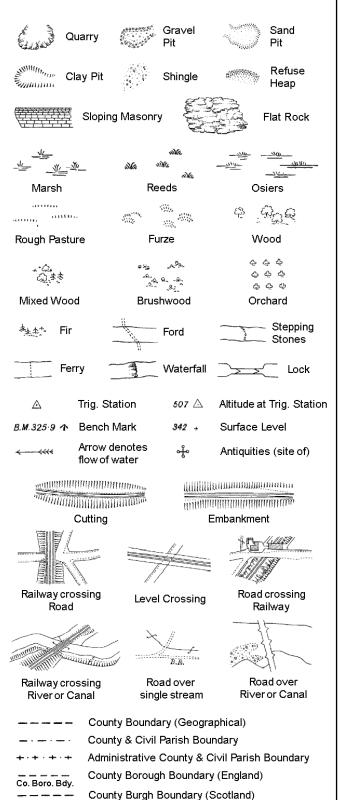
**Site Details** 

Cottam 1

Landmark

0844 844 9952

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



Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

Trough Well

S.P

Sl.

Tr:

Co. Burgh Bdy.

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

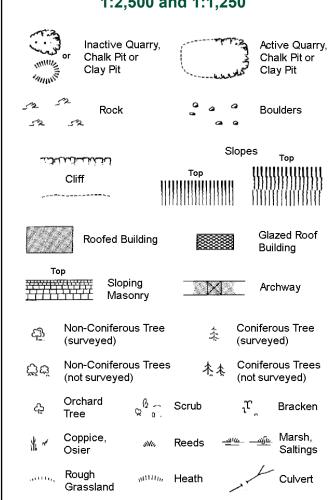
B.R.

E.P

F.B.

M.S

Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



Cave Triangulation **Electricity Transmission Line** 

Direction

of water flow

County Boundary (Geographical) County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary mereing changes

Bench

Antiquity

(site of)

Electricity

÷

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

1:1,250

راساس	لخنيان		Slo	opes	Тор
	Cliff	1111	Тор	!!!!!!!	!!!!!!!!!
p = 10 Mile a					((()(()()()
523	Rock		23	Rock (so	cattered)
$\triangle$	Boulders		<i>\triangle</i>	Boulders	s (scattered)
	Positioned	Boulder		Scree	
ফ্র	Non-Conifo (surveyed)	erous Tree )	未	Coniferd (surveye	
ζţά	Non-Conife (not surve	erous Trees yed)	* **	Conifero	ous Trees /eyed)
ఢ	Orchard Tree	Q a.	Scrub	<sup>1</sup> u	Bracken
* ~	Coppice, Osier	siVti,	Reeds 🛥	<u> </u>	Marsh, Saltings
,,.	Rough Grassland	mm,	Heath	1	Culvert
<b>&gt;&gt;→</b>	Direction of water flo	Δ w	Triangulatior Station	ું નુ	Antiquity (site of)
E <u>T</u> L	Electric	ity Transmis	ssion Line	$\boxtimes$	Electricity Pylon
<b>/</b> ₹/вм	231.6ûm E	Bench Mark	7	Building Building	
	Roofe	ed Building		251	azed Roof iilding
		Civil parish	/community b	oundary	
		District boo	undary		
_ •		County box	undary		
c		Boundaryp	ost/stone		
٨		-	mereing symb ear in oppose	,	
Bks	Barracks		Р	Pillar, Pol	le or Post
Bty	Battery		PO	Post Offi	
Cemy	Cemetery		PC	Public Co	onvenience
Chy	Chimney		Pp	Pump	
Cis	Cistern	4 D-"	Ppg Sta	Pumping	
Dismtd F El Gen S	ta Electric	tled Railway ity Generating	PW Sewage P		ewage
	Station	D-1- D'''			ımping Station
EIP		Pole, Pillar	SB, S Br	_	ox or Bridge
⊏ı 5ub S	ta Electricity	OUD STREET	SP, SL	Signal Po	ost or Light

Filter Bed

Fn / D Fn Fountain / Drinking Ftn.

Gas Governer

**Guide Post** 

Manhole

GVC

Gas Valve Compound

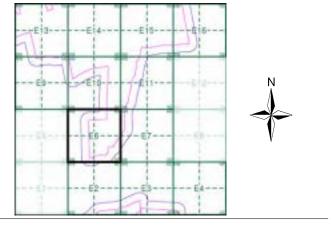
Mile Post or Mile Stone



# **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

# **Historical Map - Segment E6**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 492450, 384020 Slice: 884.45 Site Area (Ha):

Search Buffer (m):

**Site Details** Cottam 1

Tank or Track

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Tr

Wd Pp

Wks

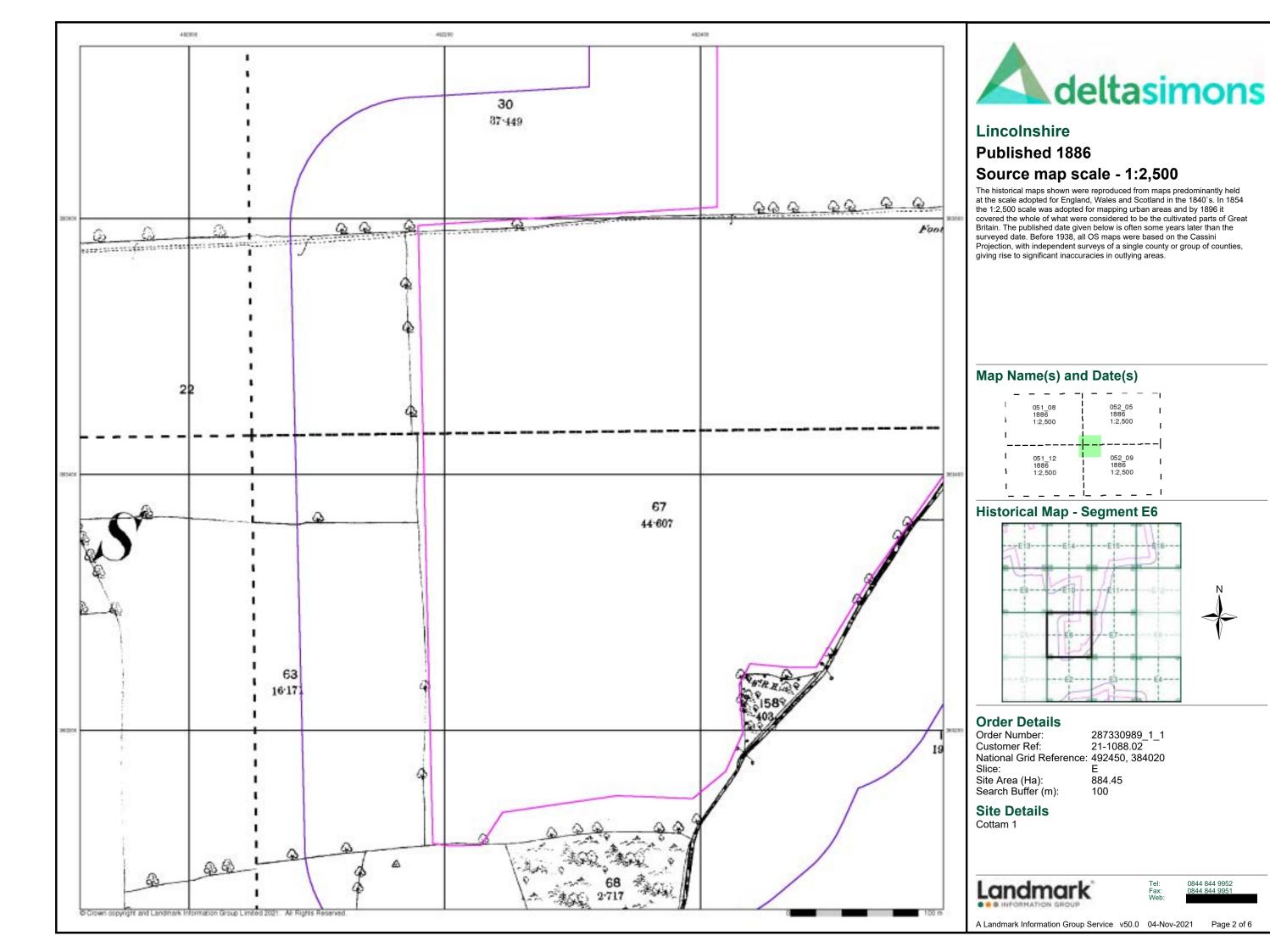


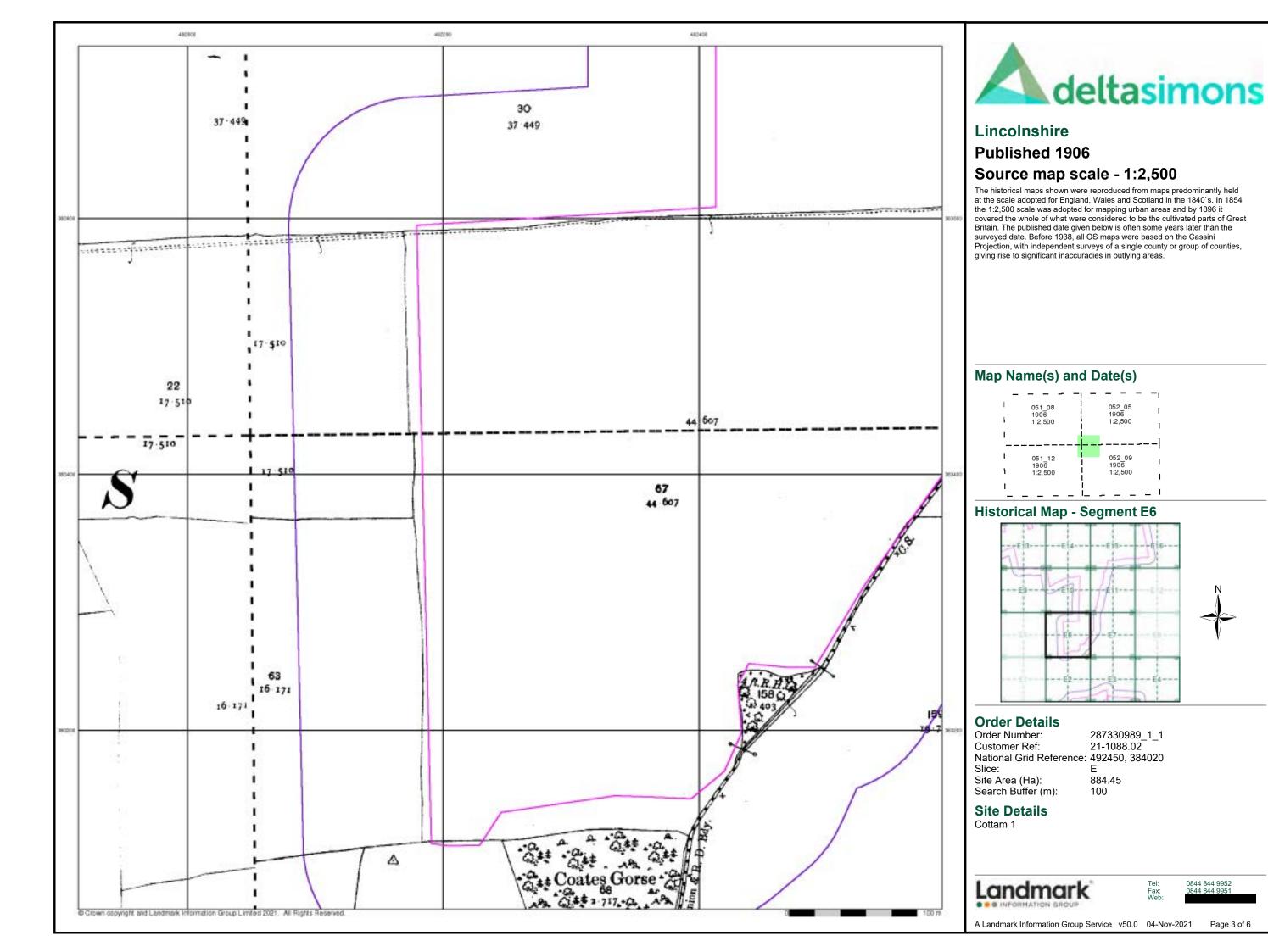
0844 844 9952

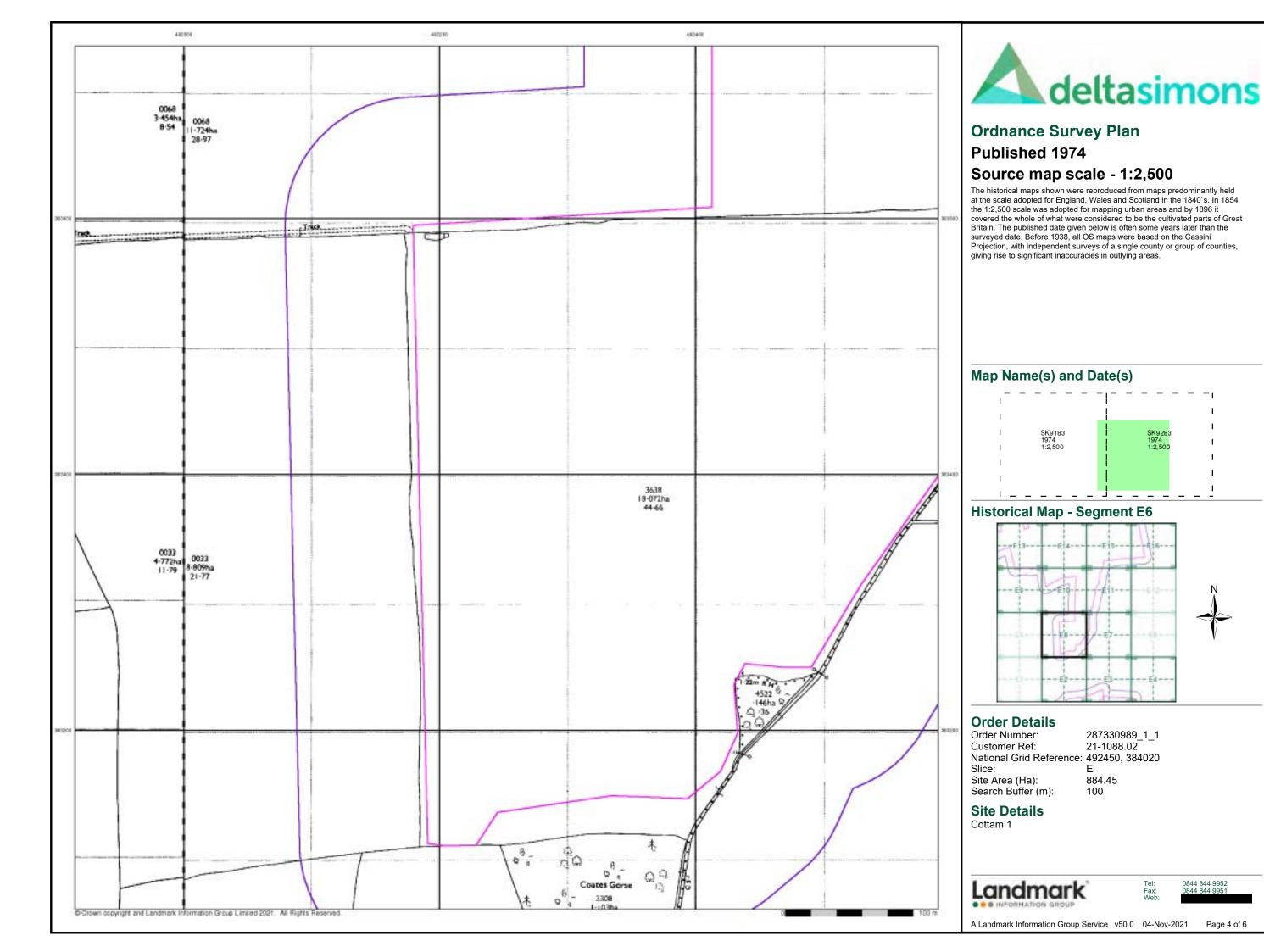
Page 1 of 6

A Landmark Information Group Service v50.0 04-Nov-2021

100

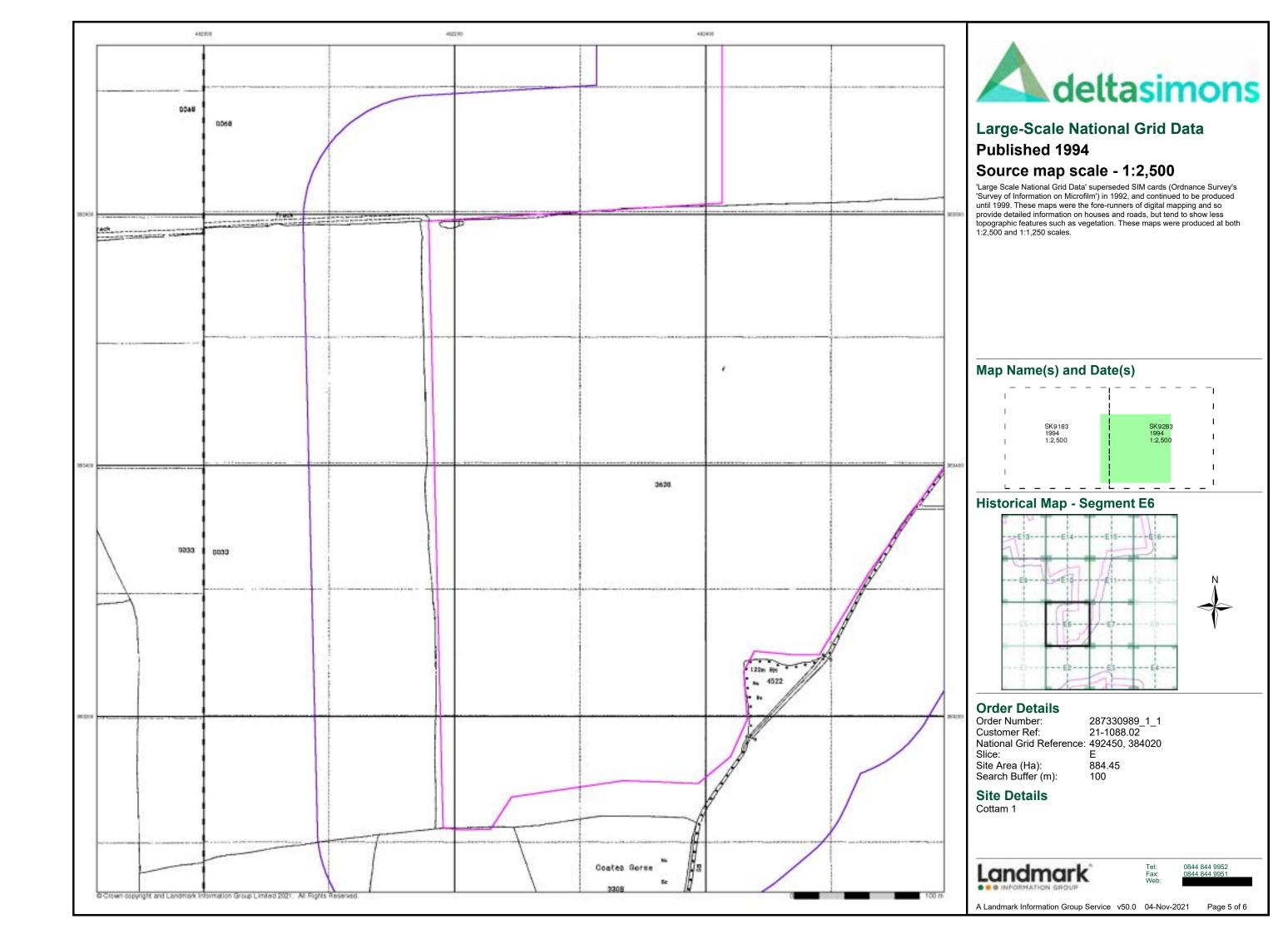


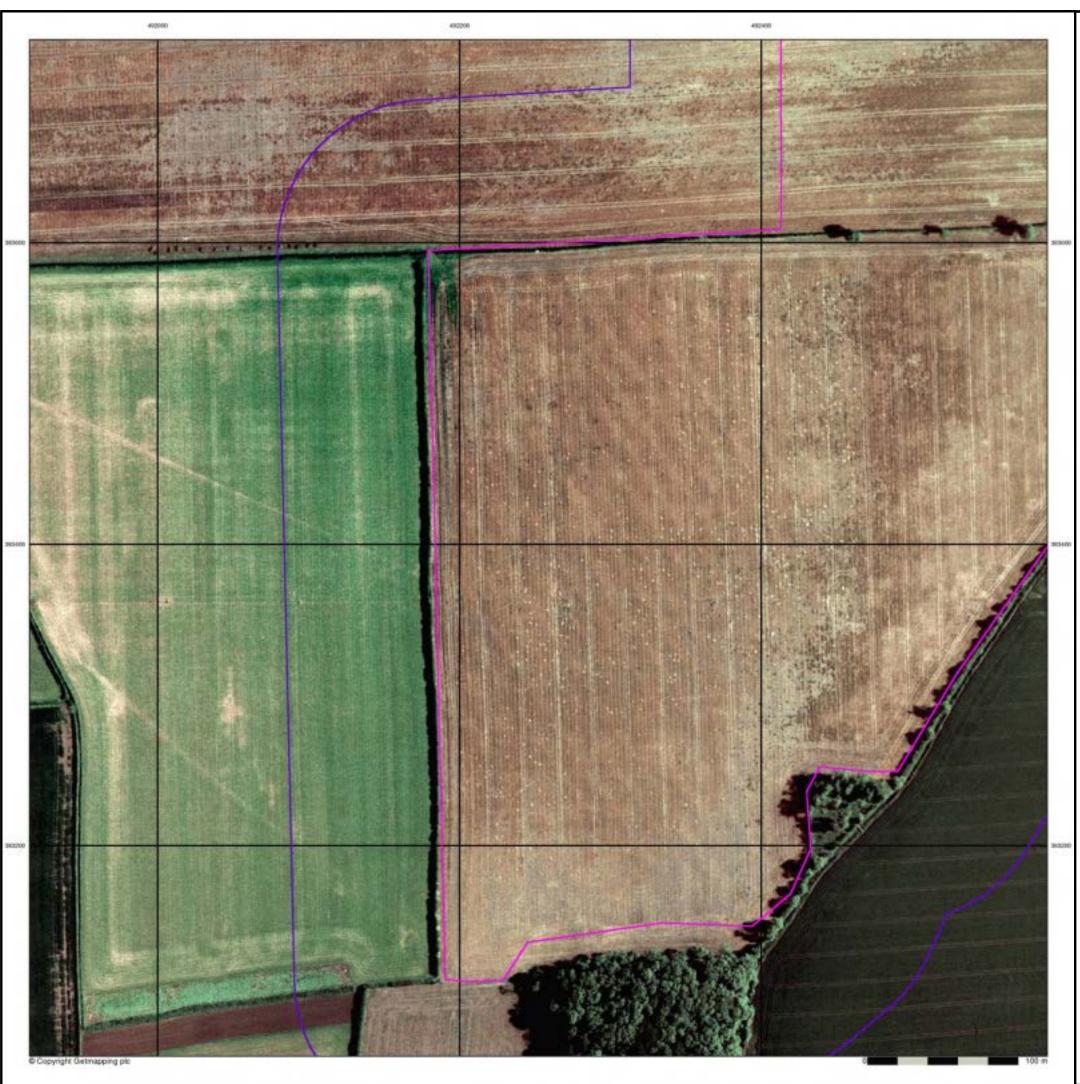




0844 844 9952

Page 4 of 6

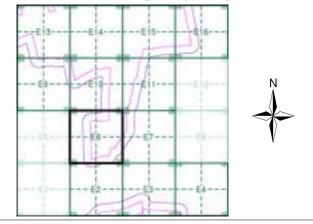






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

# **Historical Aerial Photography - Segment E6**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492450, 384020 Slice:

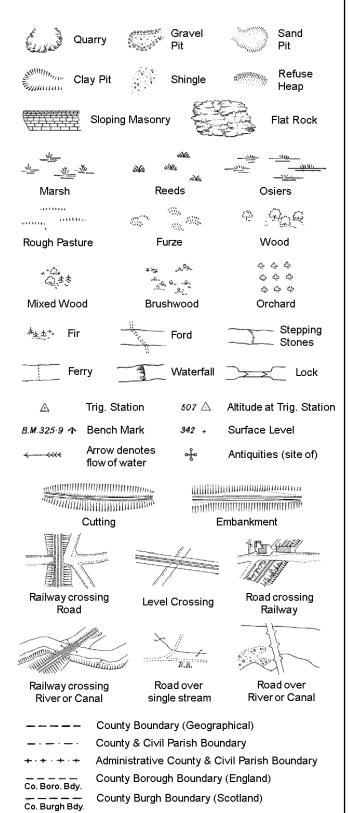
Site Area (Ha): Search Buffer (m): 884.45 100

**Site Details** 

Cottam 1

Landmark

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



B.R.

E.P

F.B.

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

Trough

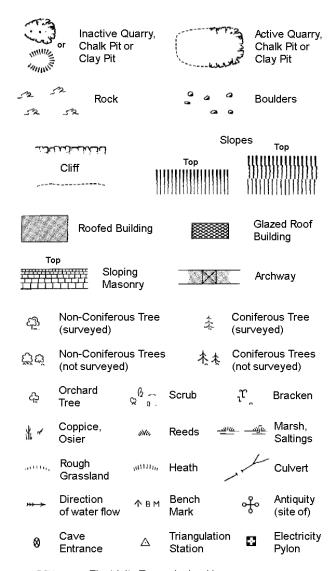
Well

S.P

Sl.

Tr:

#### Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



**Electricity Transmission Line** 

	County Boundary (Geographical)
. — . — .	County & Ci∨il Parish Boundary
	Civil Parish Boundary
· <del></del> · ·	Admin. County or County Bor. Boundary
L B Bdy	London Borough Boundary
o Par	Symbol marking point where boundary mereing changes

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

# 1:1,250

	 Clift נליניגלט	Sle Top	opes Top
523	Rock	Z	Rock (scattered)
$\triangle_{\underline{a}}$	Boulders	Δ	Boulders (scattered)
	Positioned Boulder		Scree
2월	Non-Coniferous Tree (surveyed)	e ‡	Coniferous Tree (surveyed)
ర్గొల్	Non-Coniferous Tree (not surveyed)	es AA	Coniferous Trees (not surveyed)
Ą.	Orchard (2)	Scrub	ູ່ໃ Bracken
* ~	Coppice, Osier	Reeds 🗝	<u>அம்</u> Marsh, Saltings
artte,	Rough ,,mm, Grassland	Heath	Culvert
<del>*** &gt;</del>	Direction △ of water flow	Triangulation Station	Antiquity (site of)
E_TL	Electricity Transm	nission Line	⊠ Electricity Pylon
\ <del>{</del>	238.60m Bench Mar	k 🖟	Buildings with Building Seed
	Roofed Building		Glazed Roof Building
· •	· · • Ci∨il paris	sh/community b oundary	ooundary
_ •	County b	oundary	
9	Boundary	/post/stone	
Å	-		ool (note: these ed pairs or groups
Bks	Barracks	Р	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery Chimney	PC Pn	Public Convenience Pump
Chy Cis	Crimney	Pp Ppg Sta	Pumping Station
Dismtd F			Place of Worship
El Gen S	ta Electricity Generatir Station	ng Sewage F	Ppg Sta Sewage Pumping Station
EIP	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub S	ta Electricity Sub Station		Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fr	n Fountain / Drinking Ftr	n. Tk	Tank or Track

Gas Valve Compound

Mile Post or Mile Stone

Gas Governer

**Guide Post** 

Manhole

GVC

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Wd Pp

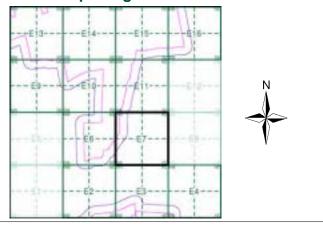
Wks



# **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

# **Historical Map - Segment E7**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 492450, 384020 Slice:

Site Area (Ha):

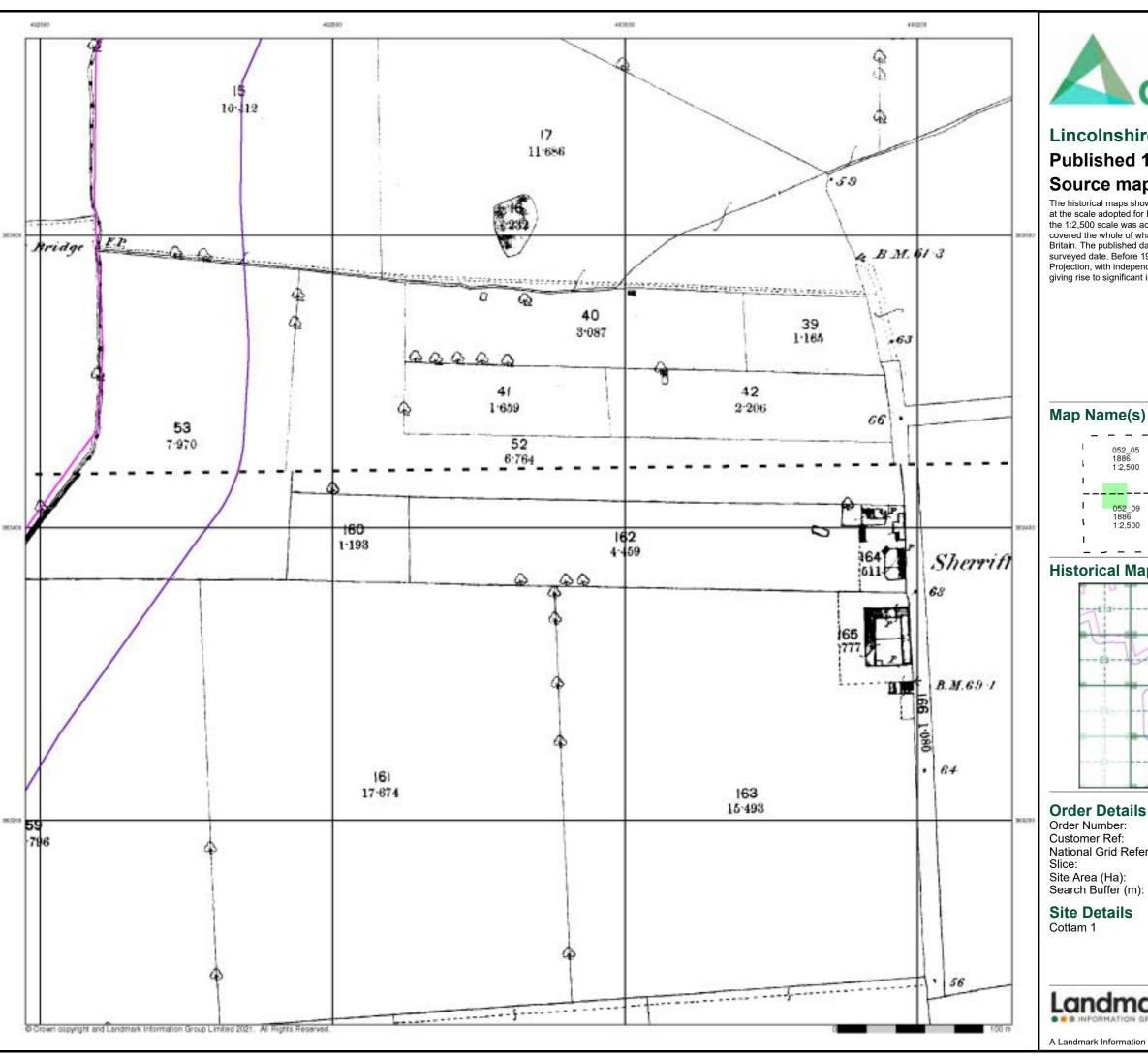
884.45 Search Buffer (m):

**Site Details** Cottam 1

Landmark

0844 844 9952

Page 1 of 6





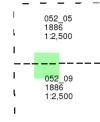
## Lincolnshire

# Published 1886

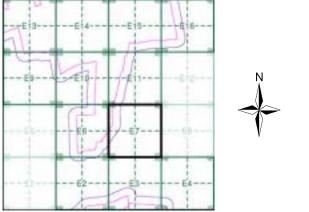
# Source map scale - 1:2,500

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 E7**



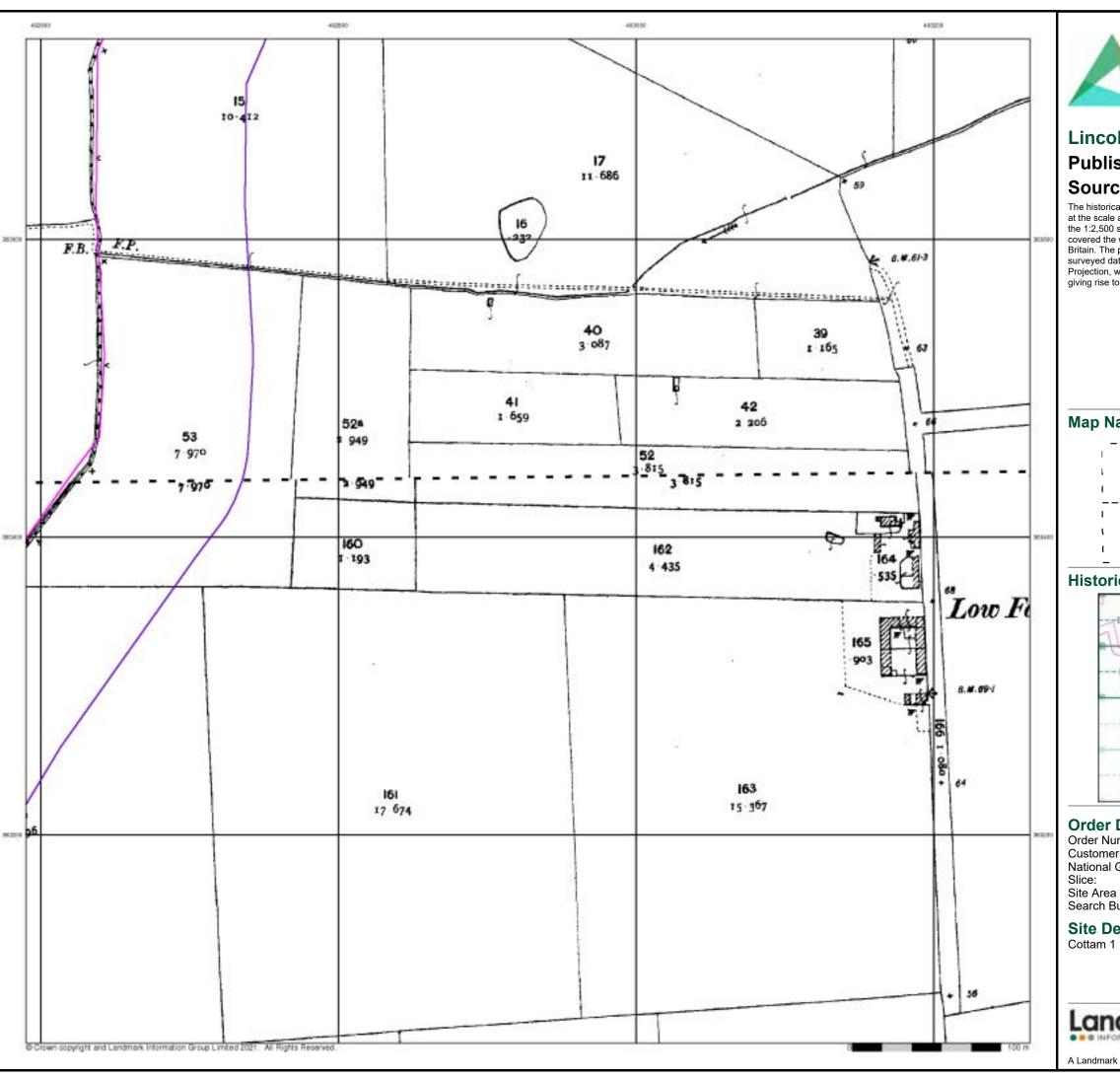
287330989\_1\_1 21-1088.02 National Grid Reference: 492450, 384020

884.45 100



0844 844 9952

Page 2 of 6



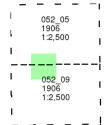


## Lincolnshire

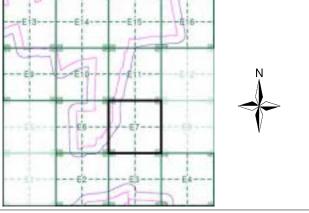
# Published 1906 Source map scale - 1:2,500

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 E7**



#### **Order Details**

Order Number: 287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 492450, 384020

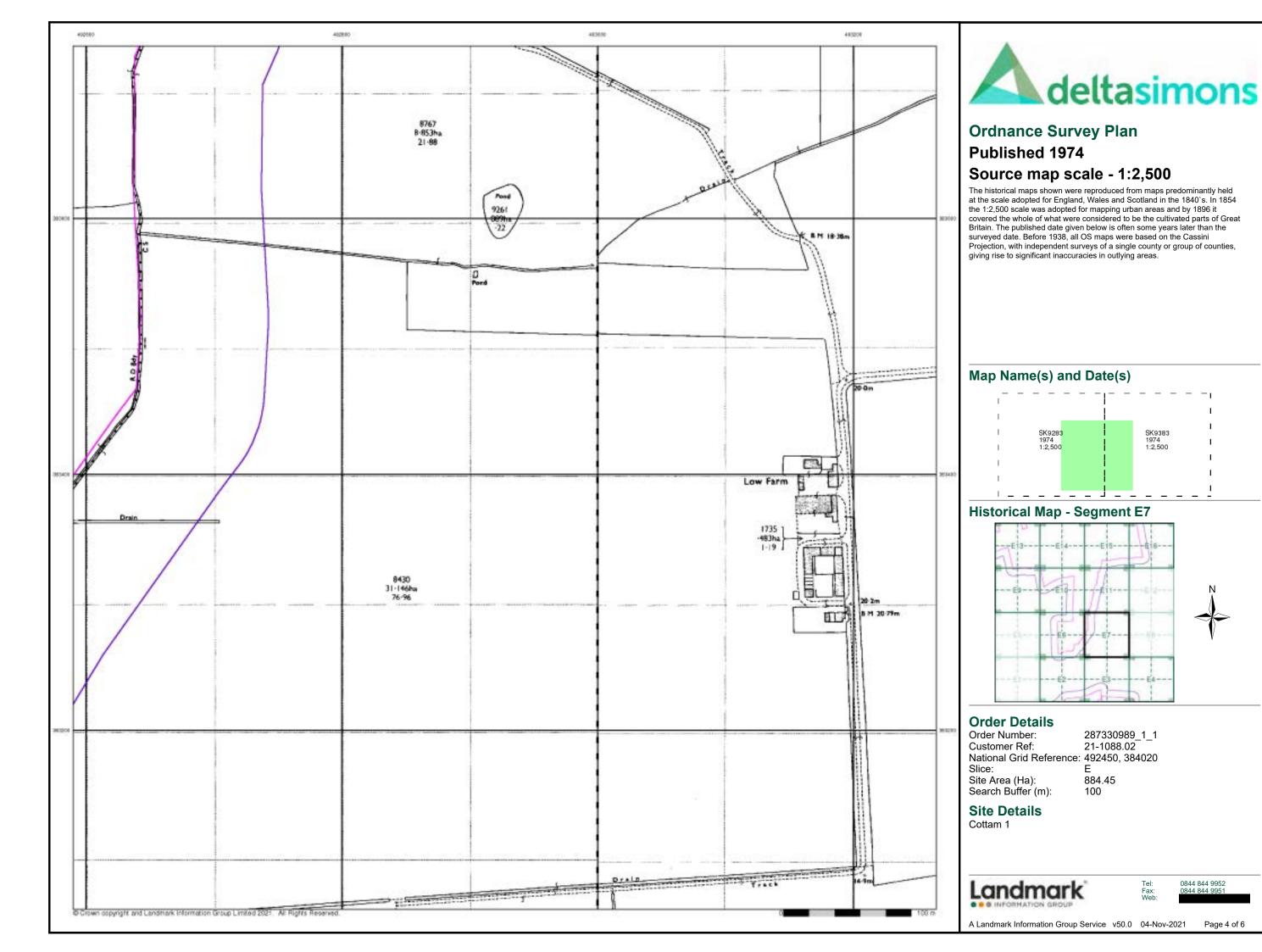
Site Area (Ha): Search Buffer (m): 884.45

# **Site Details**



0844 844 9952

Page 3 of 6



0844 844 9952

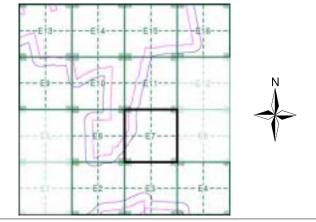






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

# **Historical Aerial Photography - Segment E7**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492450, 384020 Slice:

Site Area (Ha): Search Buffer (m): 884.45 100

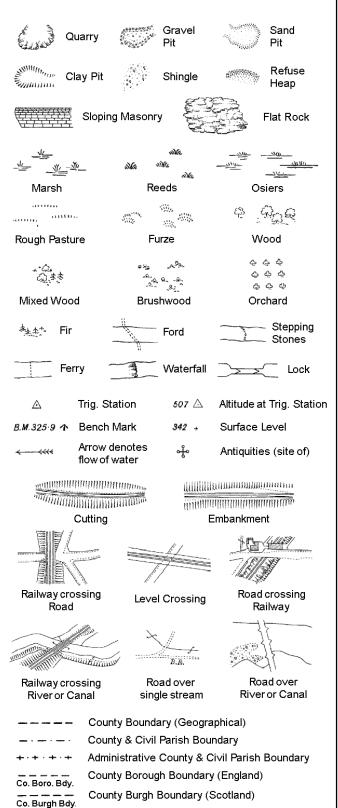
# **Site Details**

Cottam 1

Landmark

0844 844 9952 0844 844 9951

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



B.R.

E.P

F.B.

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

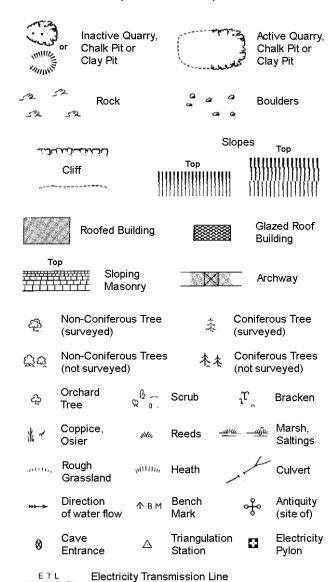
Trough Well

S.P

Sl.

Tr:

### Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



		-		
	(	County Bo	undary (	Geographical)
· — ·	· (	County & 0	Ci∨il Pari:	sh Boundary
	(	Civil Paris	h Bounda	ary
	<del></del> · ,	Admin. Co	unty or C	ounty Bor. Boundary
- <del>0</del> - <del>0</del>	Bdy <b>e</b> - l	London Borough Boundary		
		Symbol ma mereing ch		int where boundary
ВН	Beer House		Р	Pillar, Pole or Post
BP, BS	Boundary Post	or Stone	PO	Post Office
Cn, C	Capstan, Crane	•	PC	Public Convenience
Chy	Chimney		PH	Public House

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

FΒ

Filter Bed

Fn / D Fn Fountain / Drinking Ftn.

Gas Governer

**Guide Post** 

Manhole

Gas Valve Compound

Mile Post or Mile Stone

# 1:1,250

	لالماليان		Slo	pes	Top
	Cliff				)))))))) 
25 3	Rock		2,5	Rock (	scattered)
$\triangle_{\alpha}$	Boulders		2	Boulde	ers (scattered)
	Positioned	l Boulder		Scree	
ද <u>ව</u>	Non-Conit	erous Tree	*	Conife (surve	erous Tree yed)
స్తోలే	Non-Conit (not surve	erous Trees yed)	杰杰		erous Trees urveyed)
දා	Orchard Tree	ç <sup>8</sup> û. Sc	rub	'n,	Bracken
* ~	Coppice, Osier	www. Re	eds 📲	<u>u —n</u>	Marsh, Saltings
acting.	Rough Grassland	<sub>яння</sub> , Не	eath	1	Culvert
<del>&gt;&gt;&gt; →</del>	Direction of water fl		angulation ation	નુ	Antiquity (site of)
E_TL	_ Electric	city Transmissio	n Line	$\boxtimes$	Electricity Pylon
/ <del>/</del> / BM	231.6úm	Bench Mark			ings with ing Seed
	Roof	ed Building		51	Glazed Roof Building
		Ci∨il parish/co	mmunity b	oundar	ту
		District bound	ary		
_ •		County bounda	ary		
¢	,	Boundary post	/stone		
۶		Boundary mer always appear of three)			
Bks	Barracks		Р	Pillar. I	Pole or Post
Bty	Battery		PO	Post C	
Cemy	Cemetery		PC	Public	Convenience
Chy	Chimney		Pp	Pump	
Cis	Cistern		Ppg Sta	Pumpi	ng Station
Dismtd F	-	itled Railway	PW		ofWorship
El Gen S	Station		Sewage P <sub>l</sub>	_	Sewage Pumping Station
EIP		Pole, Pillar	SB, S Br	Signal	Box or Bridge
El Sub S	ta Electricity	Sub Station	SP, SL	Signa	Post or Light

Spr

Tr

Wd Pp

Wks

Spring

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

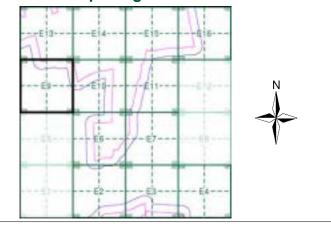
Tank or Track



### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

# **Historical Map - Segment E9**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 492450, 384020 Slice:

Site Area (Ha):

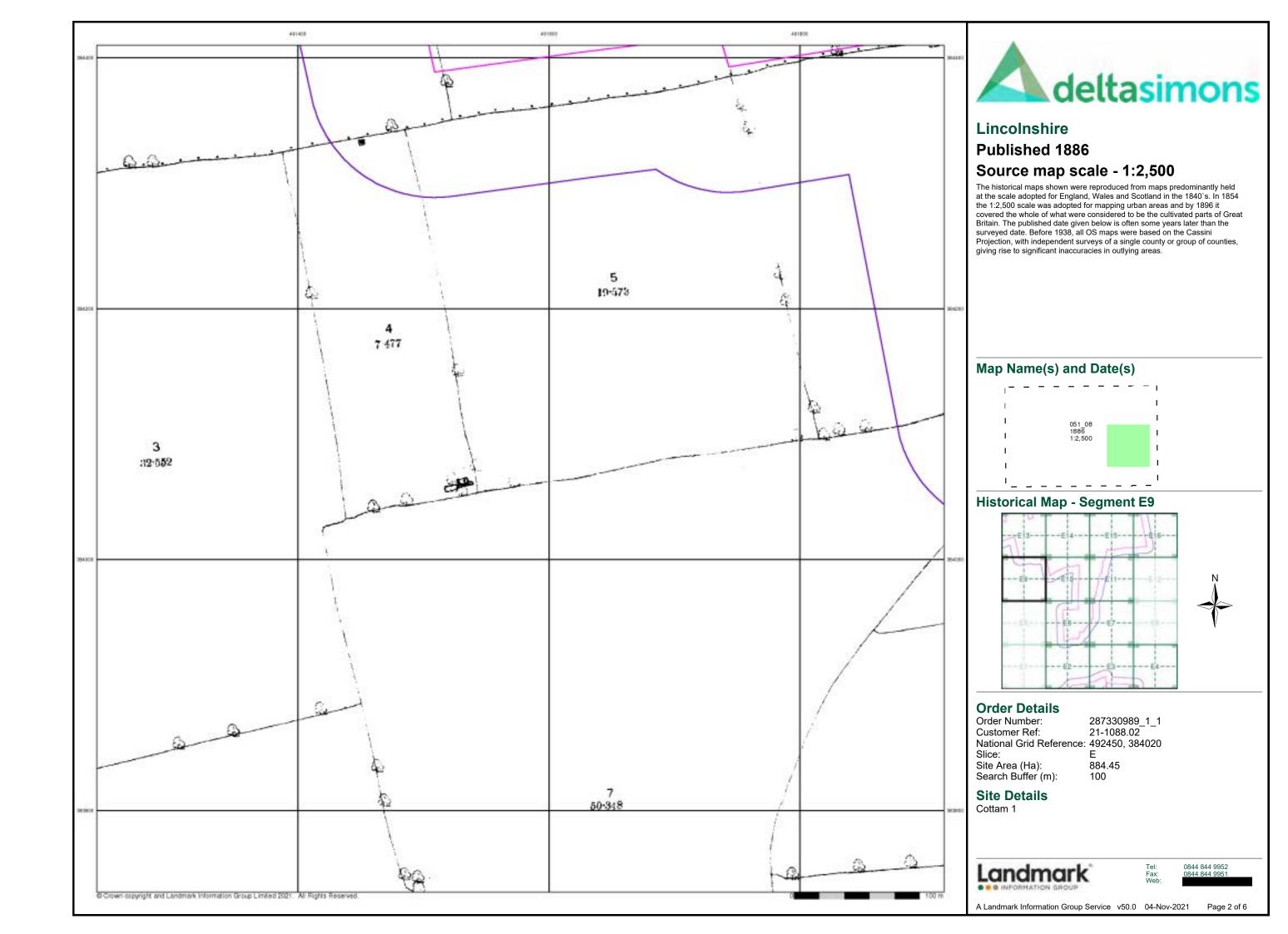
884.45 Search Buffer (m):

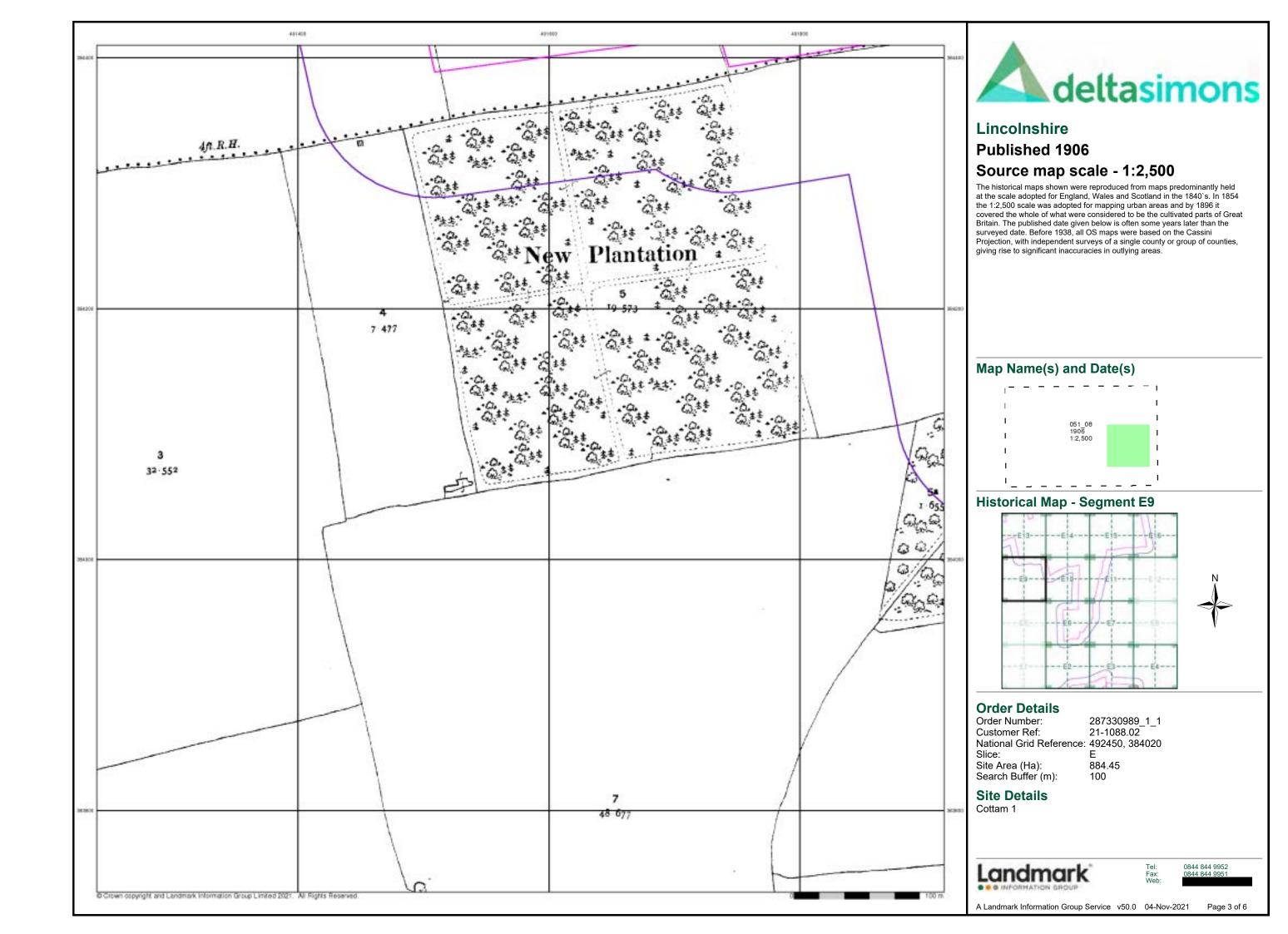
**Site Details** Cottam 1

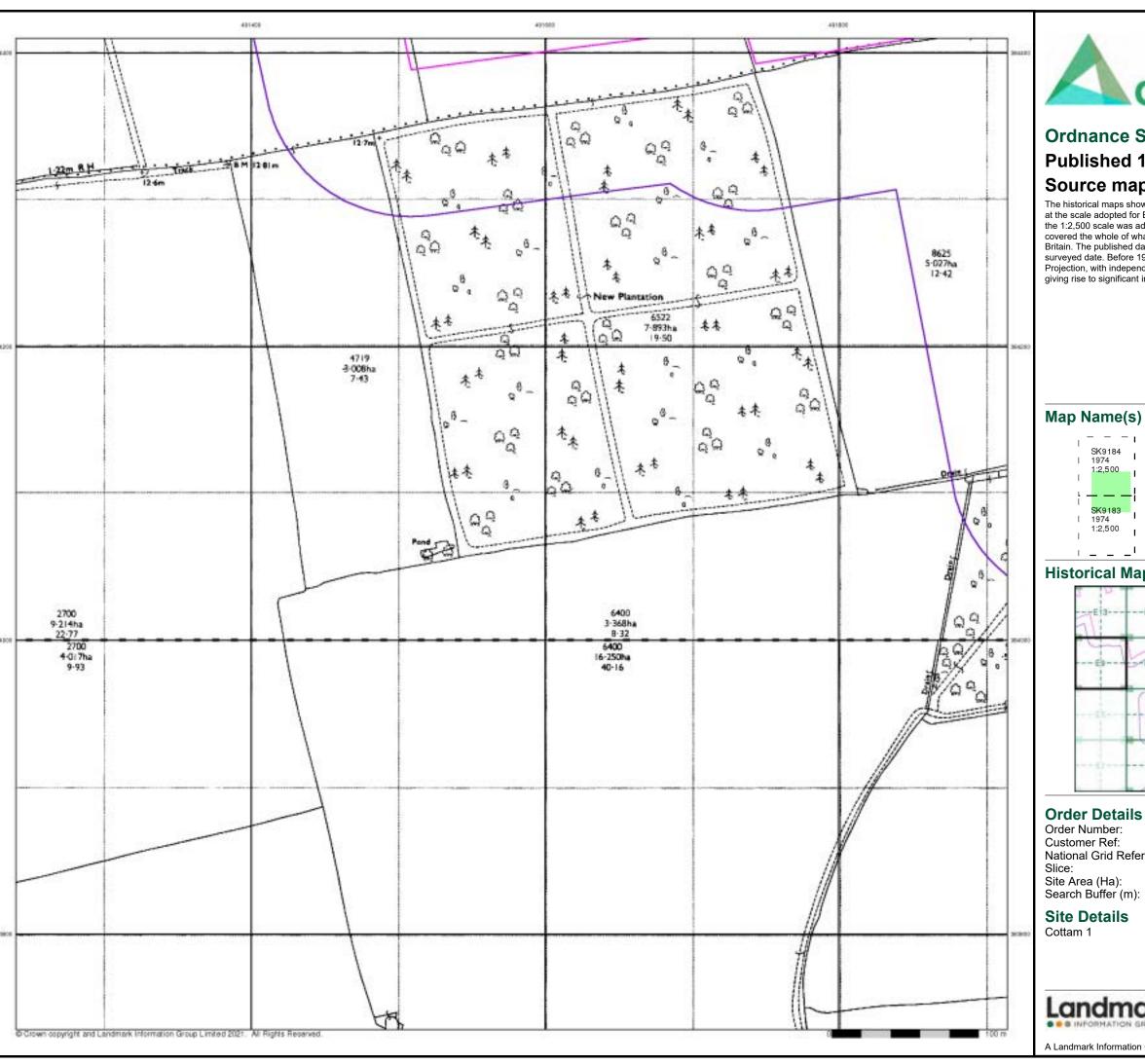
Landmark

0844 844 9952

Page 1 of 6







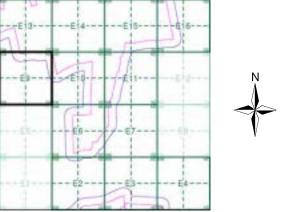


# **Ordnance Survey Plan** Published 1974 Source map scale - 1:2,500

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 E9**



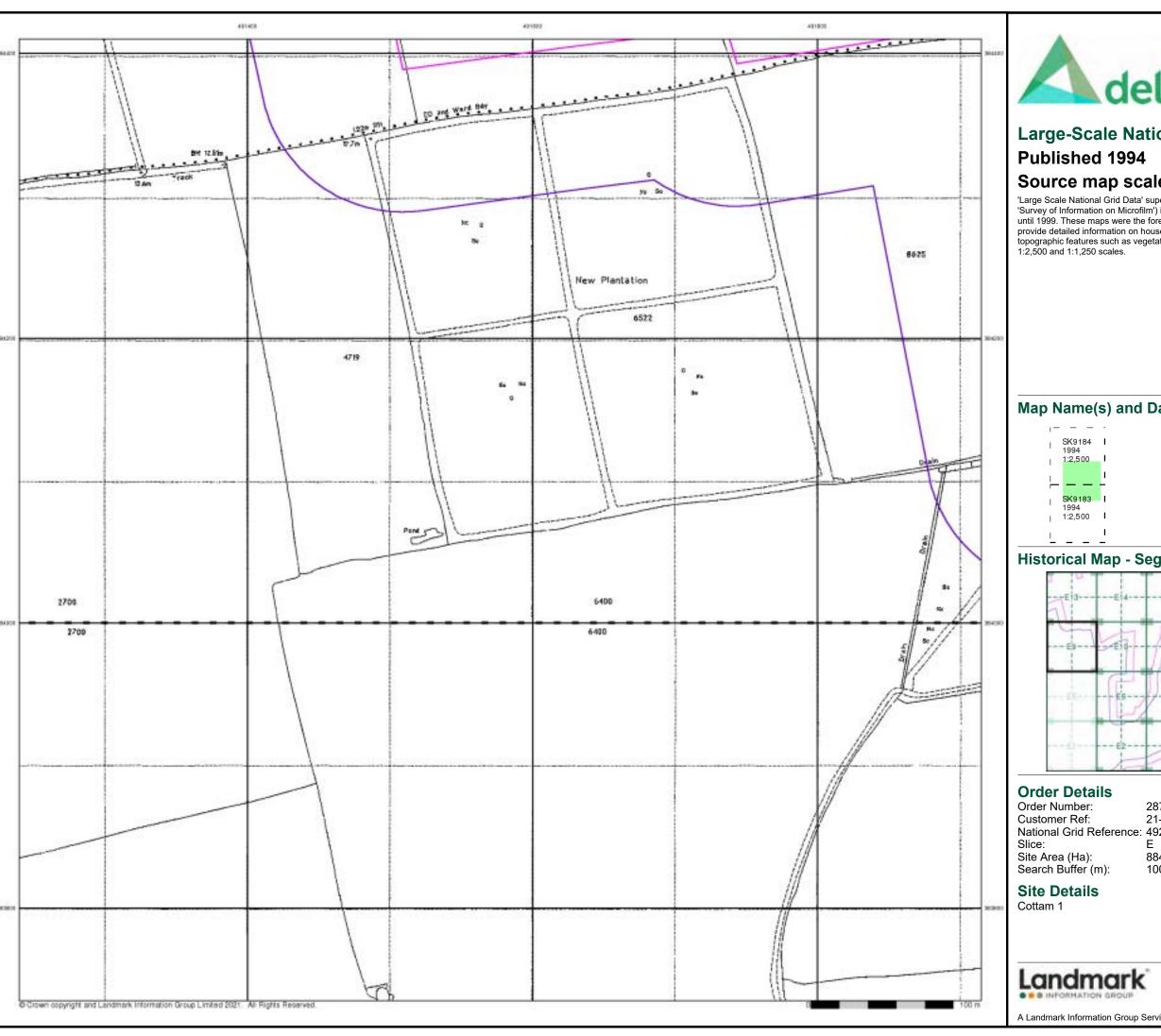
287330989\_1\_1 21-1088.02 National Grid Reference: 492450, 384020

884.45



0844 844 9952

Page 4 of 6



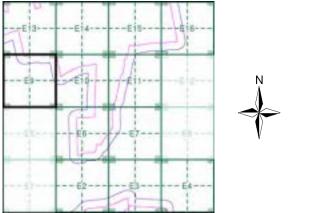


# **Large-Scale National Grid Data** Source map scale - 1:2,500

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

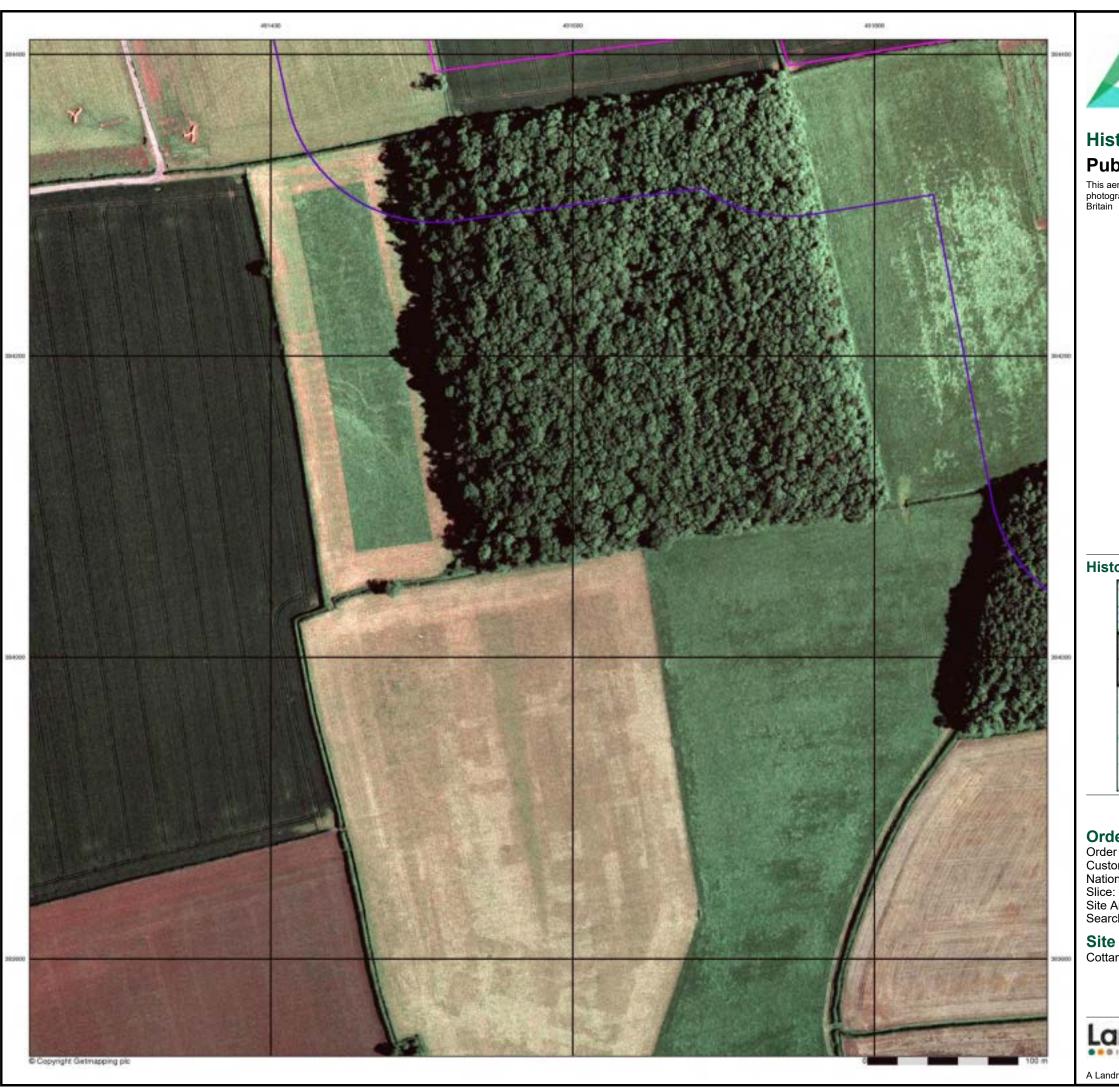
# Map Name(s) and Date(s)

#### **Historical Map - Segment E9**



287330989\_1\_1 21-1088.02 National Grid Reference: 492450, 384020

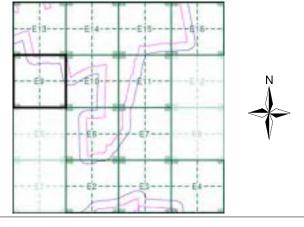
884.45





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

# **Historical Aerial Photography - Segment E9**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492450, 384020

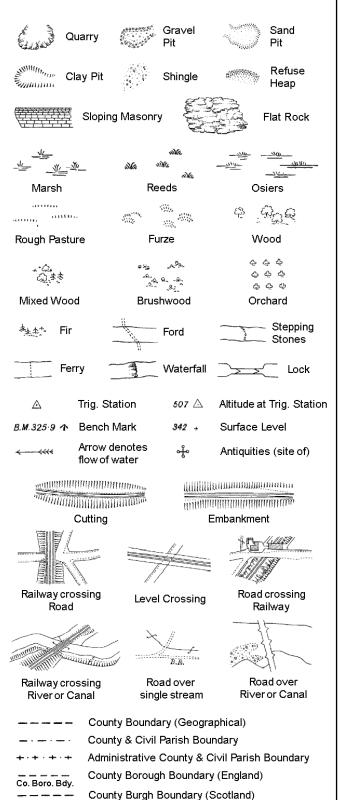
884.45 100 Site Area (Ha): Search Buffer (m):

**Site Details** 

Cottam 1

Landmark'

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



Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

Trough

Well

S.P

T.C.B

Sl.

 $T_T$ 

Co. Burgh Bdy.

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Guide Post or Board

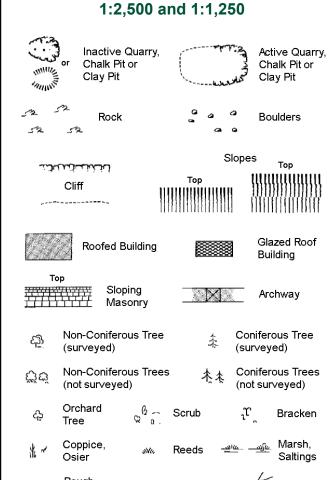
B.R.

E.P

F.B.

M.S

Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



Rough Culvert Grassland Direction Bench Antiquity of water flow (site of) Electricity Triangulation Cave ÷ Entrance

**Electricity Transmission Line** County Boundary (Geographical) County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary mereing changes

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

FΒ

GVC

MP, MS

Fn/DFn

Filter Bed

Gas Governer

**Guide Post** 

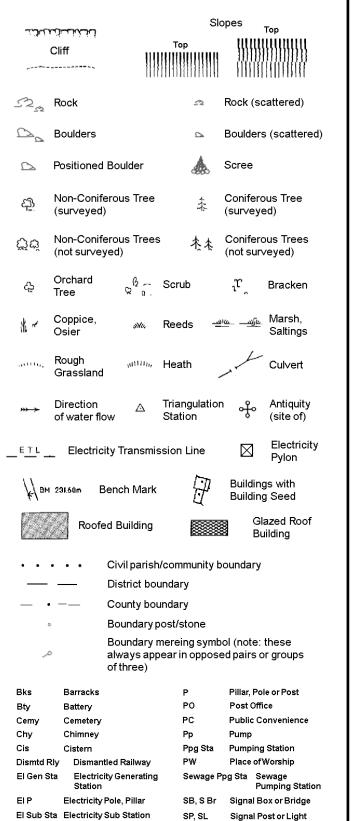
Manhole

Fountain / Drinking Ftn.

Gas Valve Compound

Mile Post or Mile Stone

1:1,250



Spr

Tr

Wd Pp

Wks

Spring

Trough

Wind Pump Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

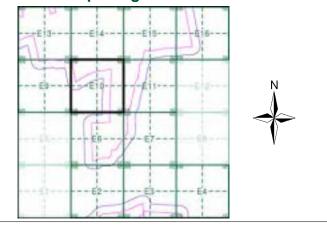
Tank or Track



## **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

# **Historical Map - Segment E10**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 **Customer Ref:** National Grid Reference: 492450, 384020 Slice:

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

884.45 100

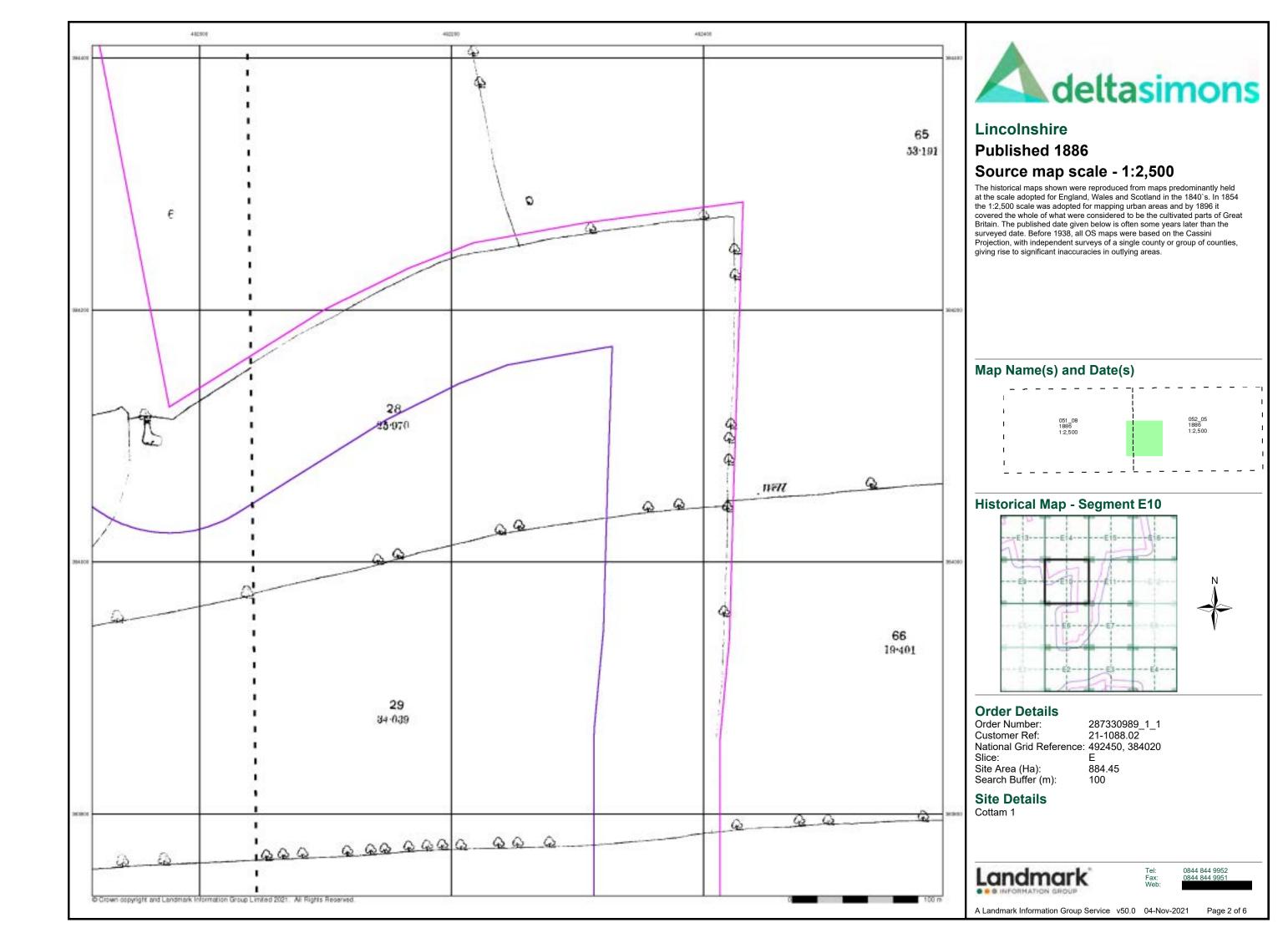
**Site Details** Cottam 1

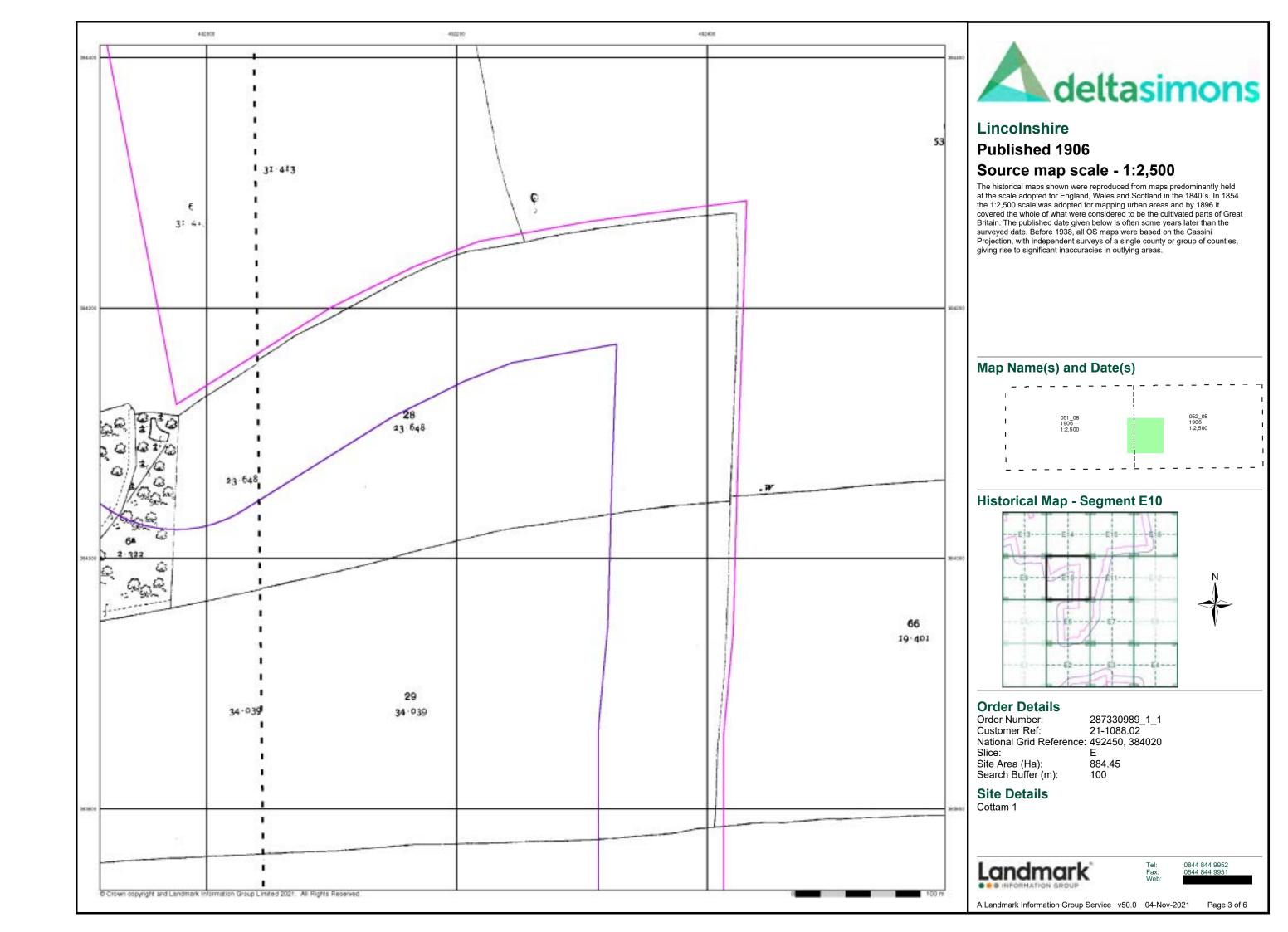
Landmark

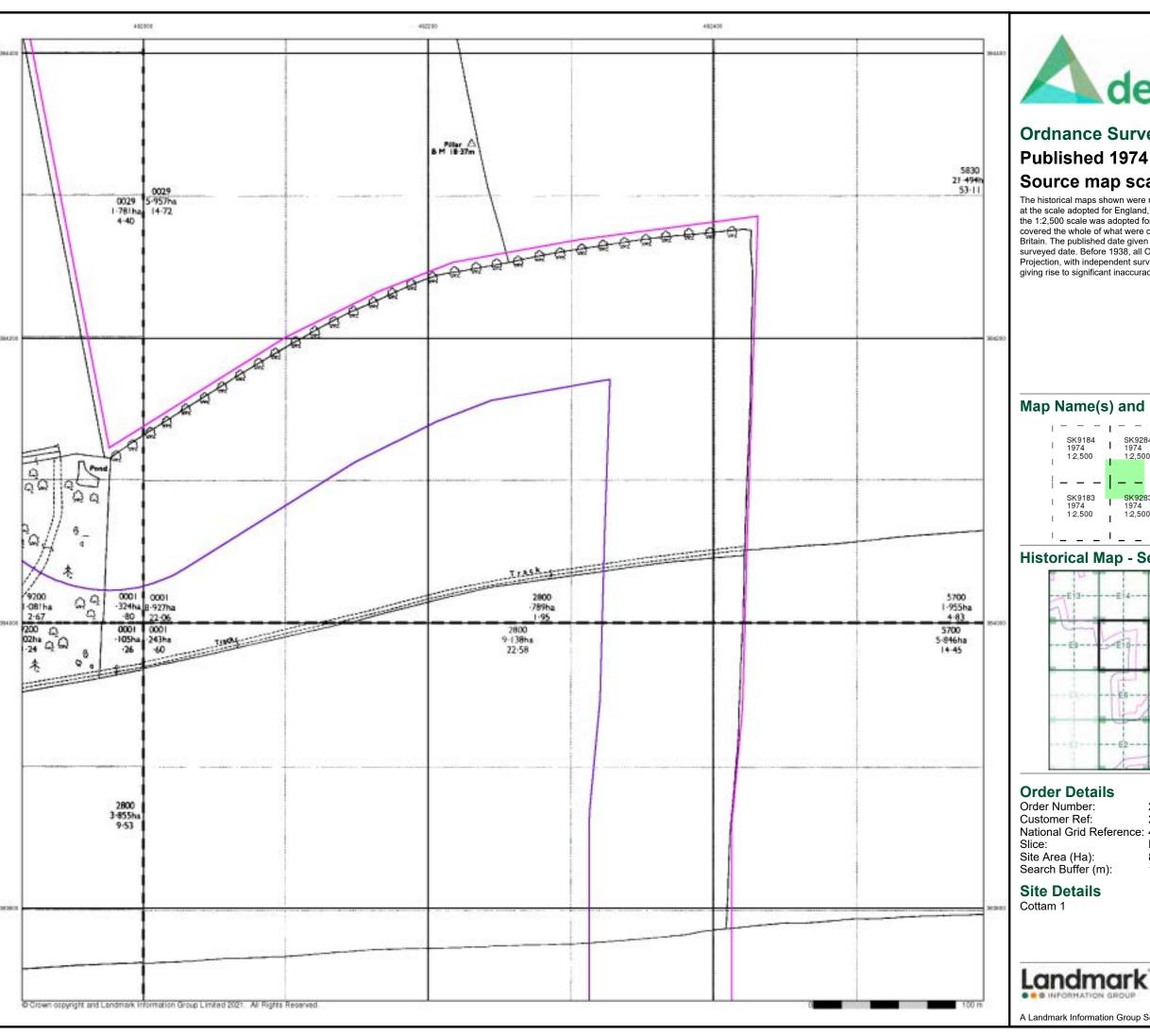
0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021

Page 1 of 6









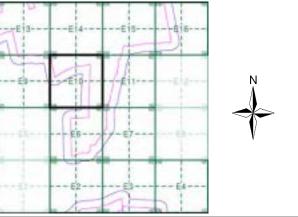
# **Ordnance Survey Plan** Published 1974 Source map scale - 1:2,500

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 surveyes of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

# Map Name(s) and Date(s)

		_	_	_	ı	_			_	-	
1		(92 974	18		ı			K9 974	1	ı	
	)(	2,50	1:		ı	0	00	:2,5	1	I	
_		_	-	-	Ī	_		_	_		
3	8	(92 974			ī	33		K9 974		I	
	)(	2,50	1:		ı	0	00	:2,5	1	I	
					ī					1	

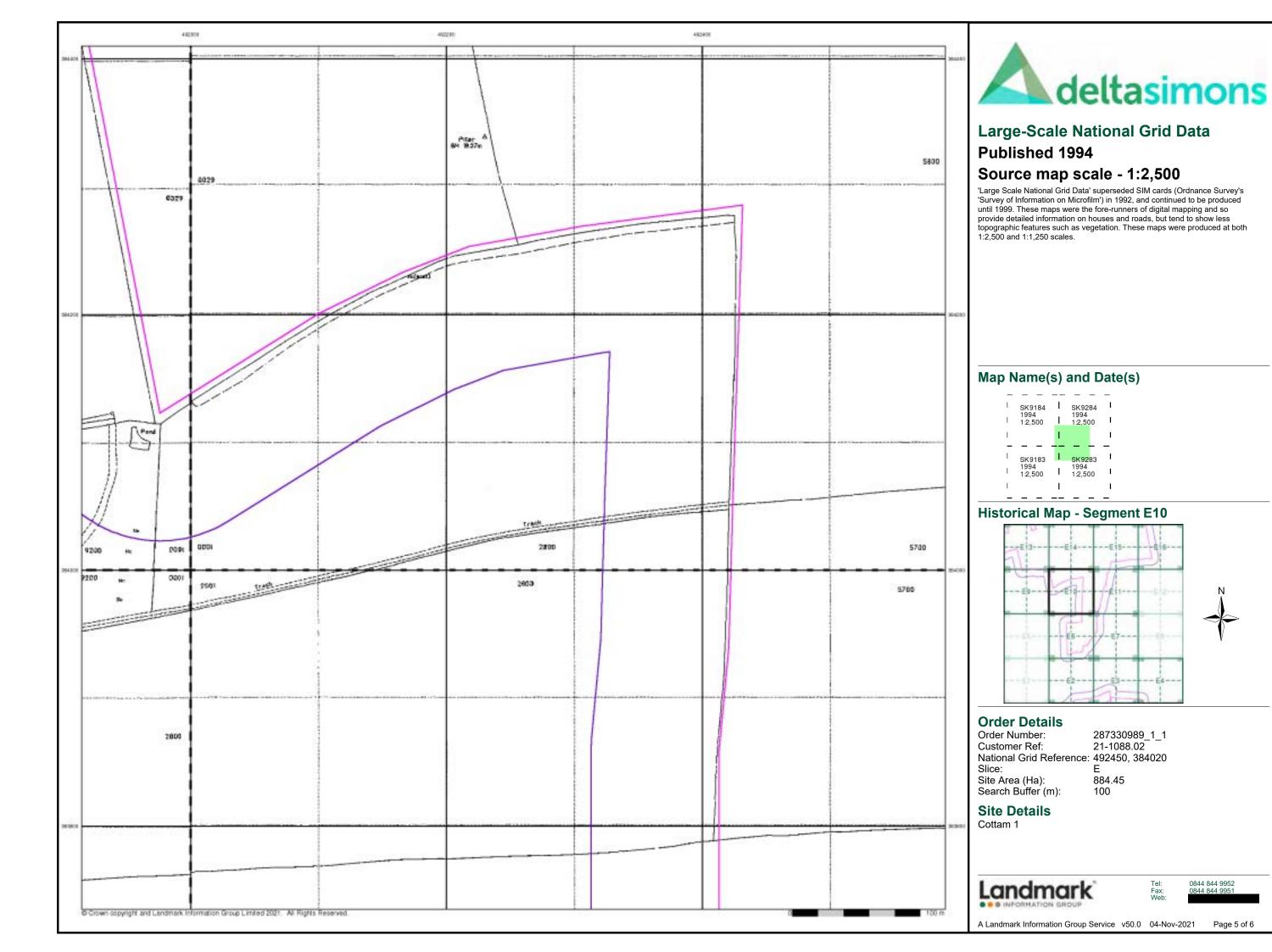
#### **Historical Map - Segment E10**

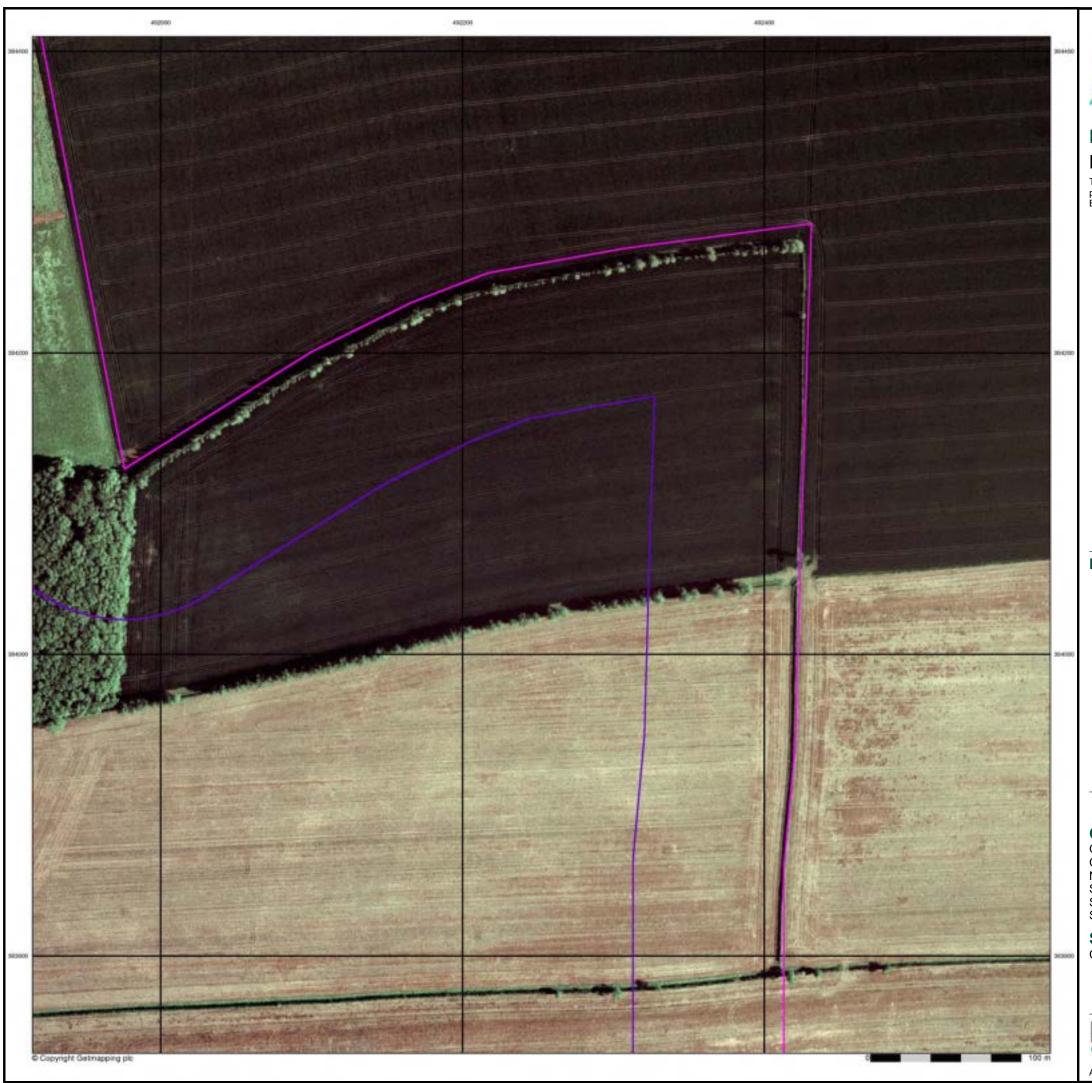


287330989\_1\_1 21-1088.02 National Grid Reference: 492450, 384020 884.45



0844 844 9952

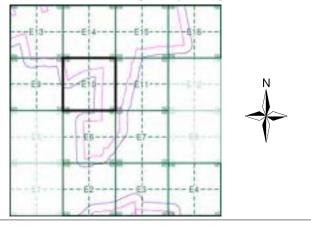






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

# **Historical Aerial Photography - Segment E10**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492450, 384020 Slice:

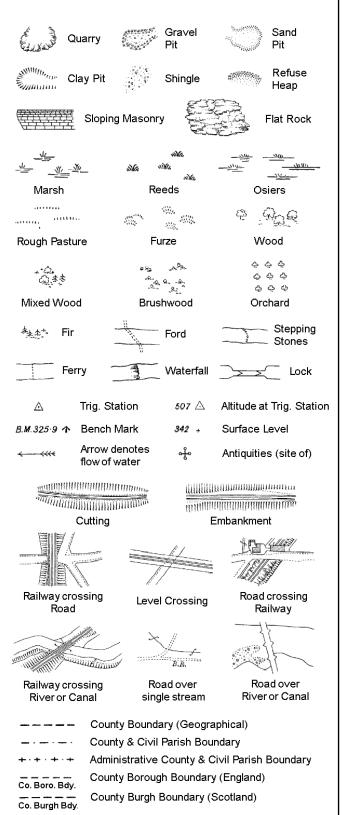
Site Area (Ha): Search Buffer (m): 884.45

**Site Details** 

Cottam 1

Landmark

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



B.R.

EP

F.B.

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

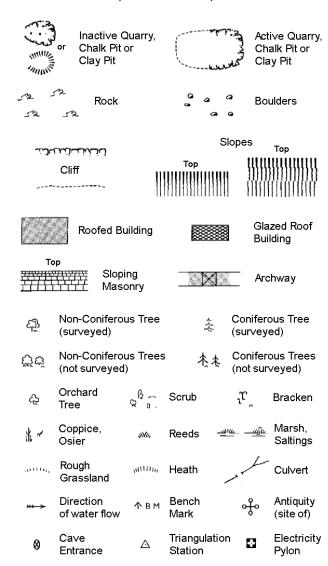
Trough Well

S.P

Sl.

Tr:

#### Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



_ E T L	Electricity T	ransmissior	1 Line	

	County Boundary (Geographical)
	County & Civil Parish Boundary
	Civil Parish Boundary
· <del></del> · ·	Admin. County or County Bor. Boundary
L B Bdy	London Borough Boundary
	Symbol marking point where boundary mereing changes

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

# 1:1,250

_		S	Slopes
بالمثند	لكناب	Тор	Top
	Cliff		u ))))))))))))
,			
523	Rock	7,5	Rock (scattered)
$\triangle_{\triangle}$	Boulders	Δ	Boulders (scattered)
	Positioned Boulde	er 🎄	Scree
<u>ක</u>	Non-Coniferous (surveyed)	Γree ‡	Coniferous Tree (surveyed)
ర్లోలే	Non-Coniferous (not surveyed)	「rees 未未	Coniferous Trees (not surveyed)
ද	Orchard ( Tree ♀	Scrub	<sub>ນ</sub> ິ້ Bracken
* ~	Coppice, Osier	w, Reeds -	<u>அட் _அந்</u> Marsh, Saltings
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Rough "II Grassland	un, Heath	Culvert
<del>&gt;&gt;&gt;</del>	Direction of water flow	∆ Triangulation	On Antiquity (site of)
_ E <u>T</u> L _	_ Electricity Trai	nsmission Line	⊠ Electricity Pylon
K BM	i 231.6ûm Bench N	/Jark	Buildings with Building Seed
	Roofed Build	ding	Glazed Roof Building
	Civiln	arish/community	houndary
	•	t boundary	Dodinaci y
		-	
	_	y boundary	
4		lary post/stone	
,			sed pairs or groups
Bks	Barracks	Р	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp Pn a Sta	Pump
Cis Dismtd F	Cistern Rly Dismantled Rail	Ppg Sta wav PW	Pumping Station Place of Worship
El Gen S	-		Ppg Sta Sewage
E15	Station		Pumping Station
EIP	Electricity Pole, Pil		
FB FB	ta Electricity Sub Sta Filter Bed	*	Signal Post or Light
FB Fn / D Fr		Spr ıFtn. Tk	Spring Tank or Track
		, IN	Turnel

Gas Valve Compound

Mile Post or Mile Stone

Gas Governer

**Guide Post** 

Manhole

Tr

Wd Pp

Trough

Wind Pump Wr Pt. Wr T Water Point, Water Tap

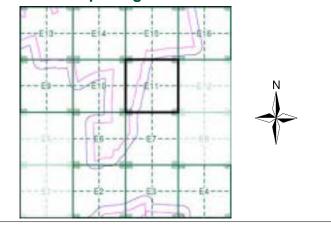
Works (building or area)



#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

# **Historical Map - Segment E11**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 492450, 384020 Slice:

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

**Site Details** Cottam 1

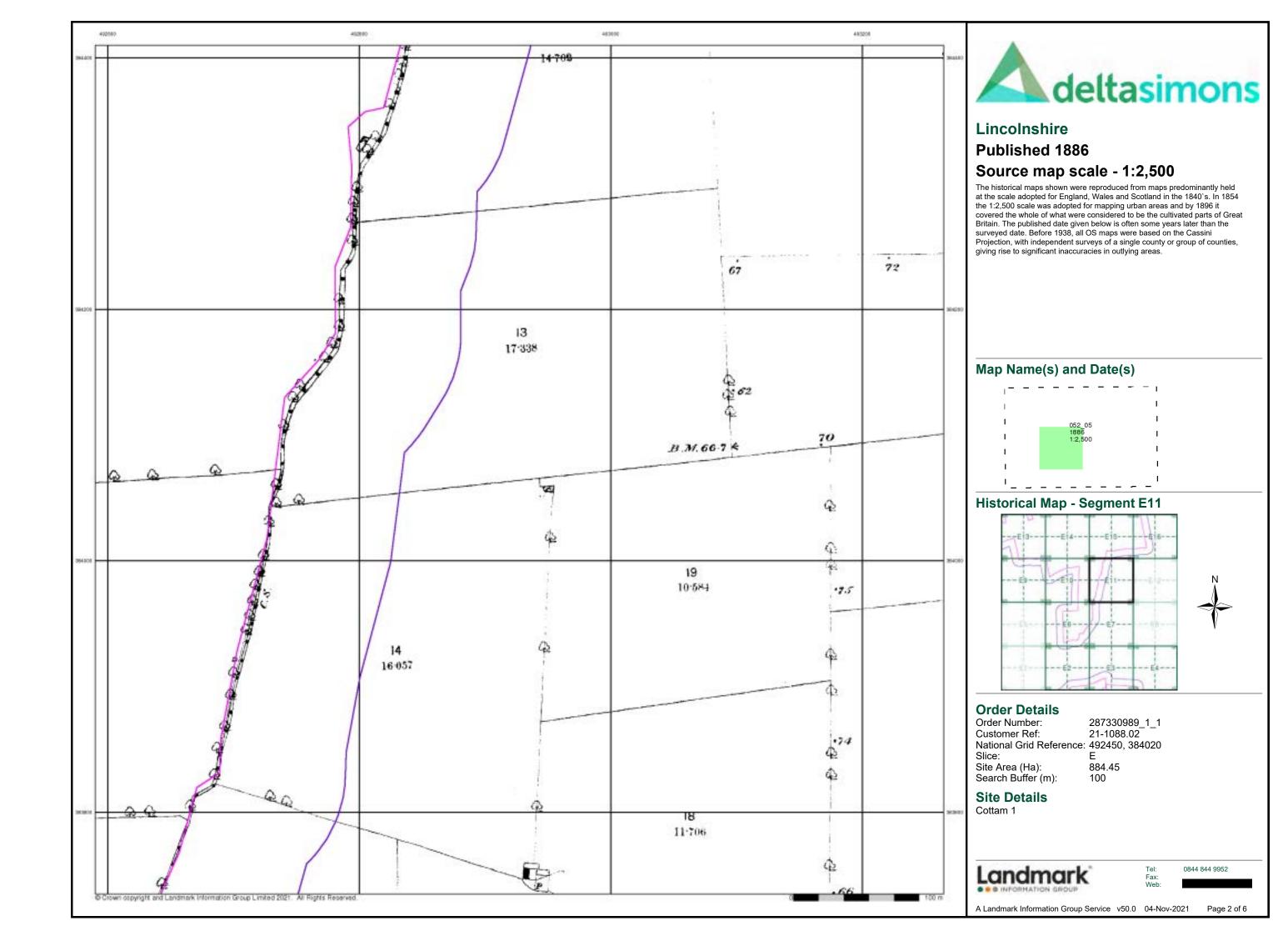
Landmark

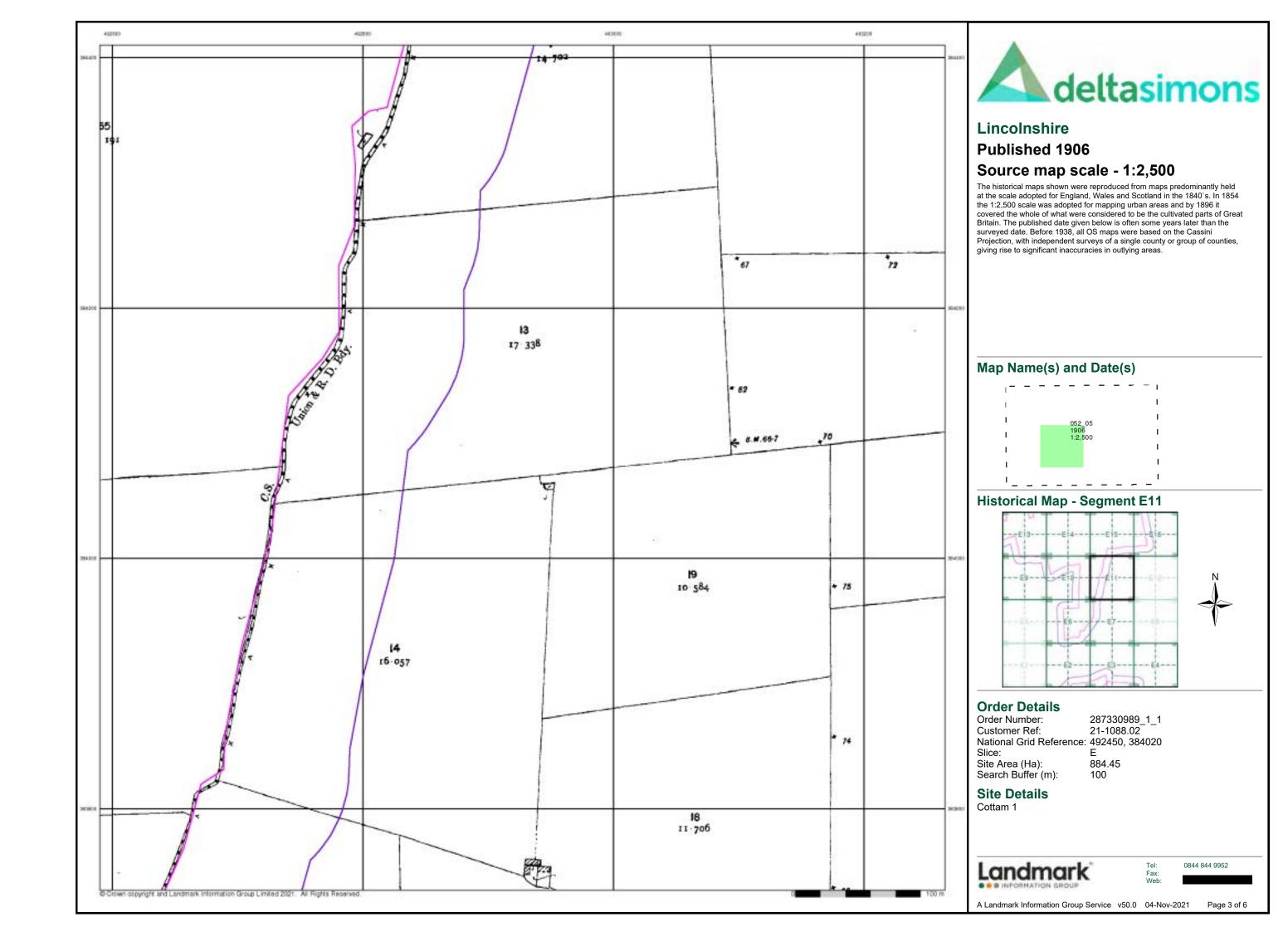
0844 844 9952

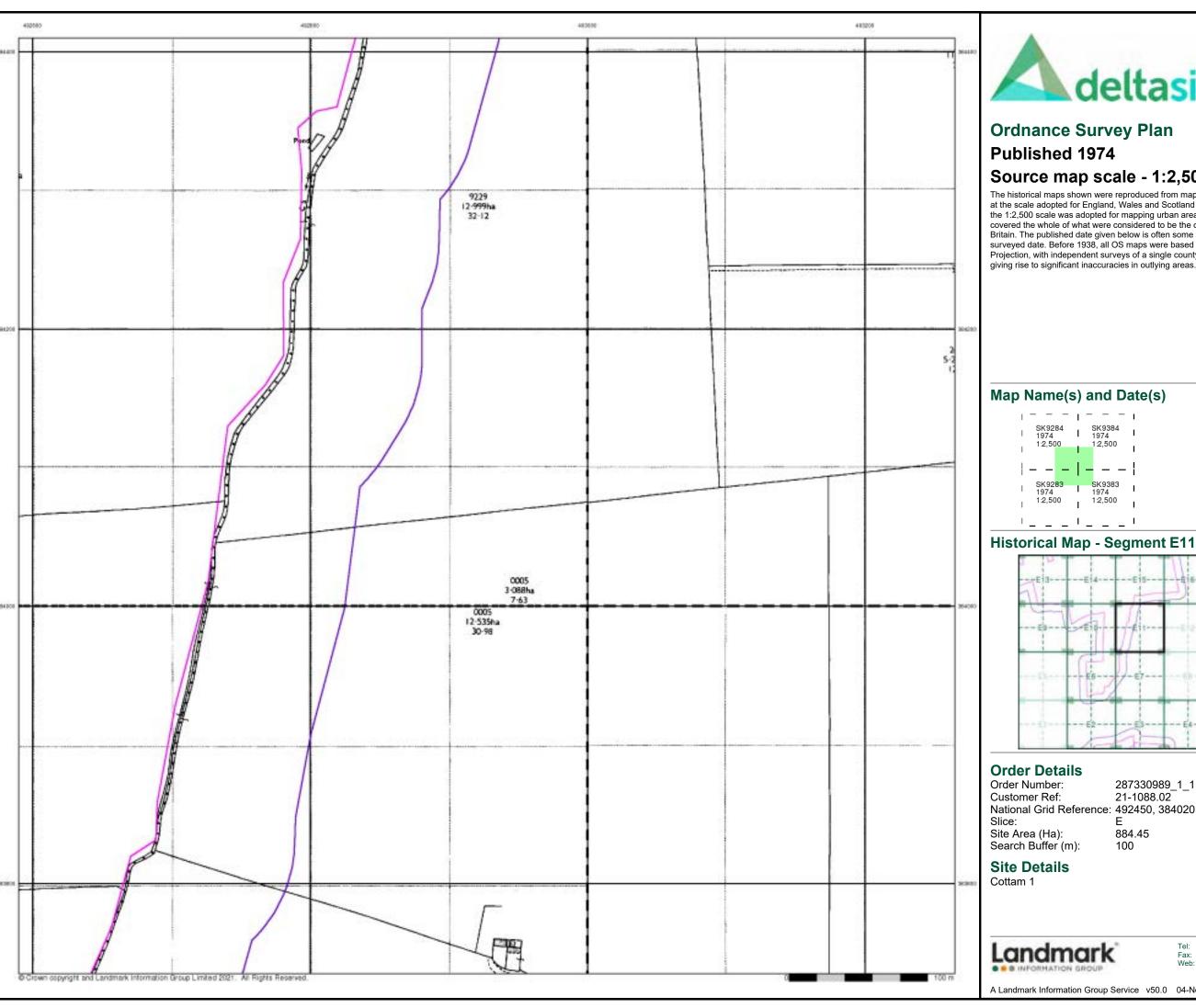
Page 1 of 6

A Landmark Information Group Service v50.0 04-Nov-2021

884.45





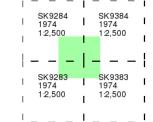


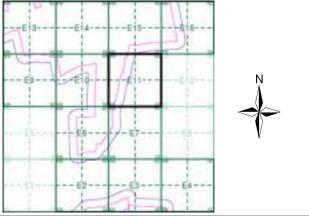


# **Ordnance Survey Plan** Source map scale - 1:2,500

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)





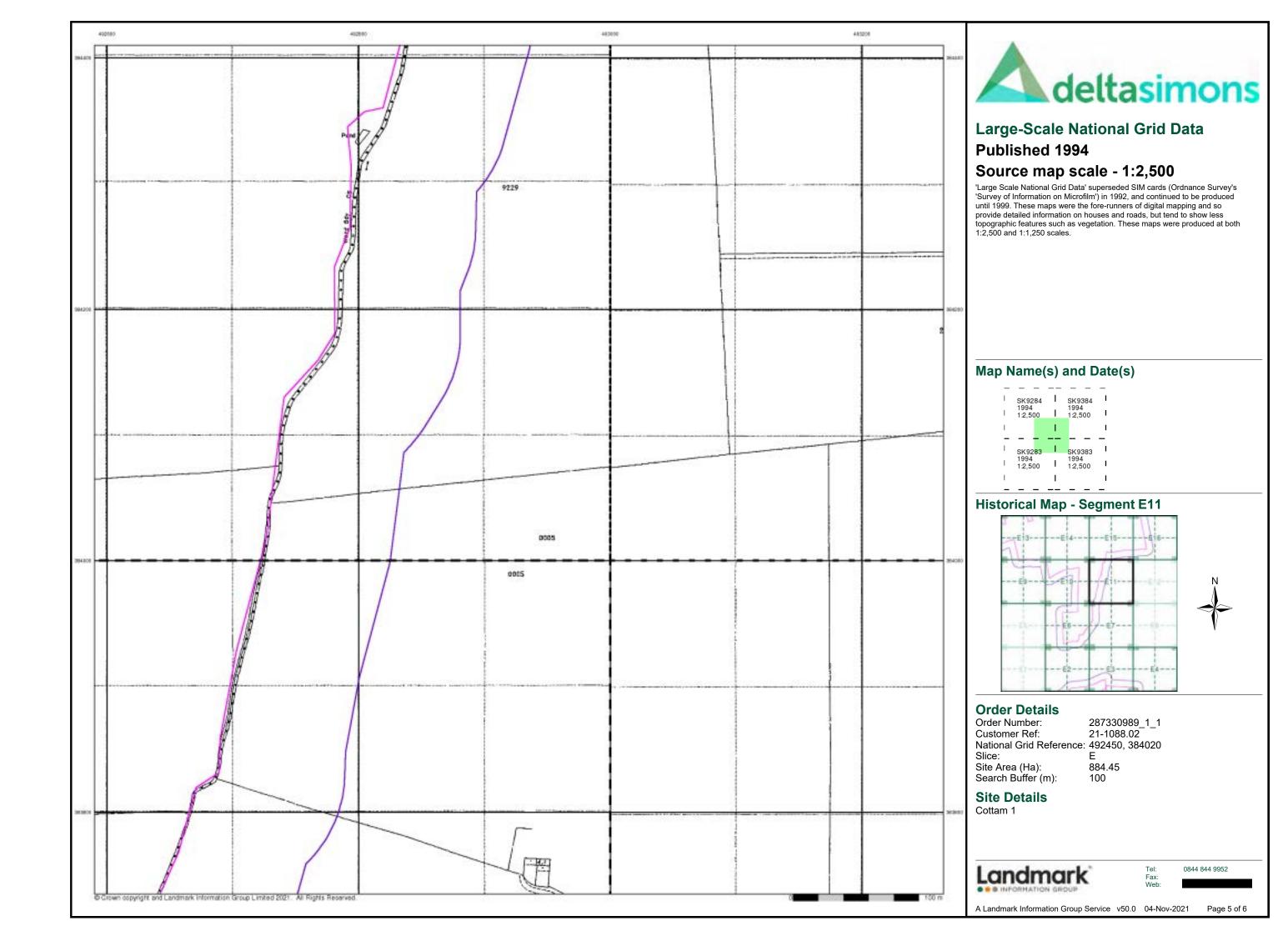
287330989\_1\_1 21-1088.02 National Grid Reference: 492450, 384020

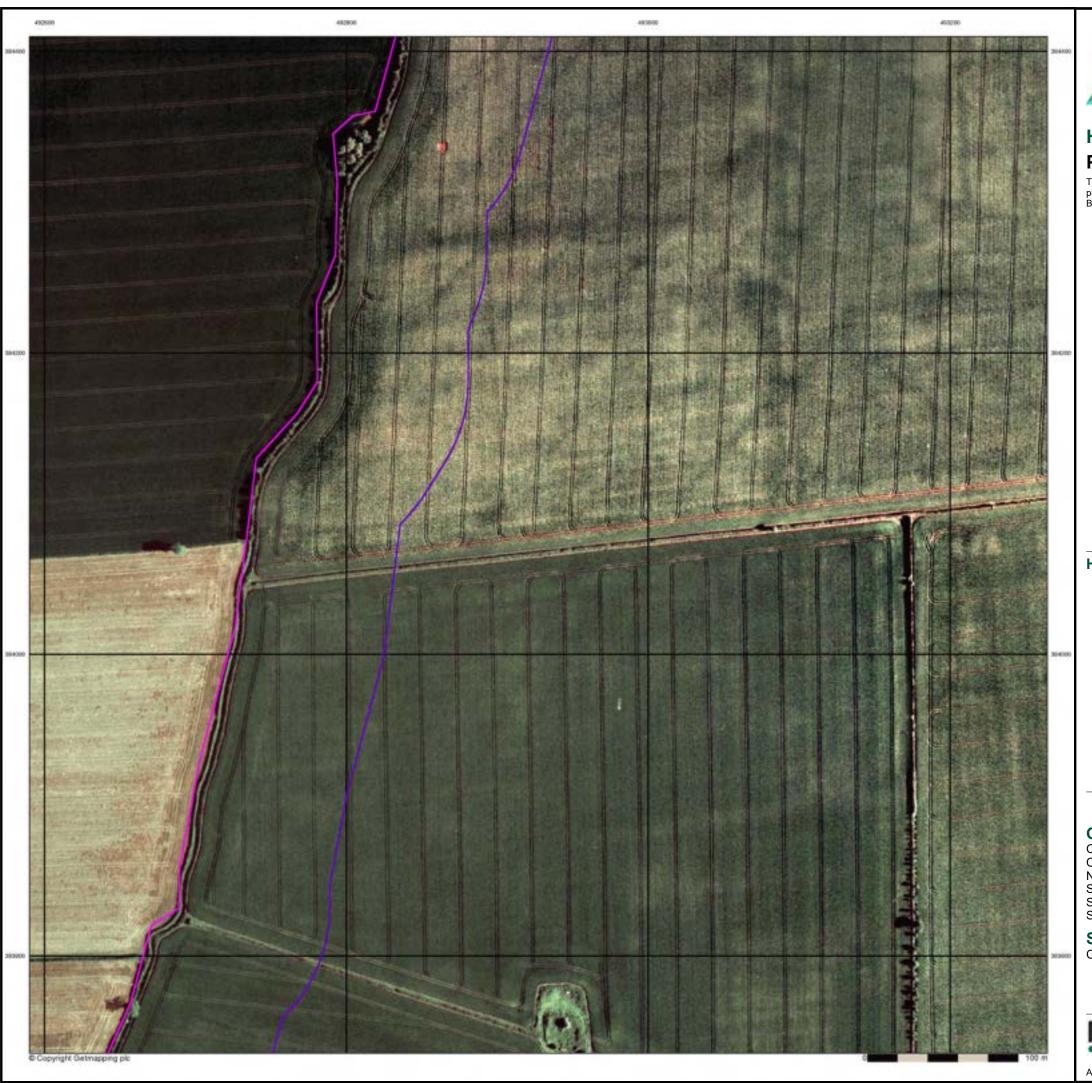
884.45



0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021 Page 4 of 6

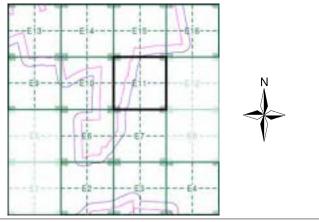






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

# **Historical Aerial Photography - Segment E11**



# **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492450, 384020

Slice:

884.45 100 Site Area (Ha): Search Buffer (m):

**Site Details** 

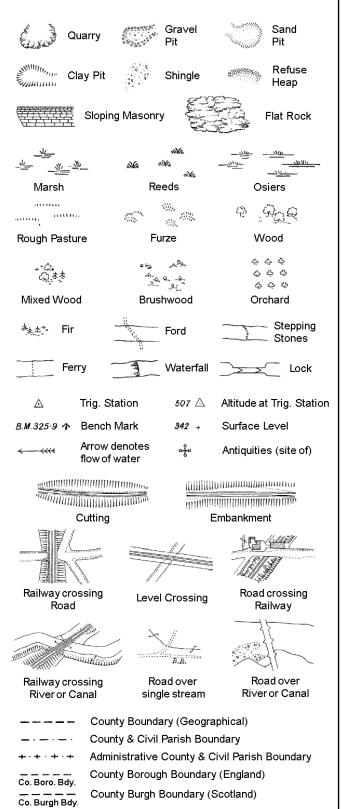
Cottam 1

Landmark'

0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021 Page 6 of 6

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



B.R.

E.P

F.B.

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

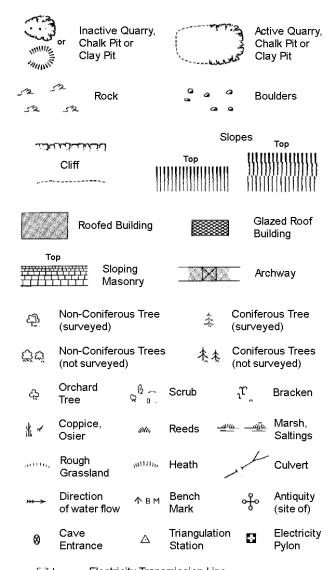
Trough Well

S.P

Sl.

Tr

# Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



**Electricity Transmission Line** 

County Boundary (Geographical) County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary mereing changes

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

# 1:1,250

***************************************		Slopes <sub>Top</sub>			
		Top			
525	Rock	52	Rock (so	cattered)	
$\triangle_{\Delta}$	Boulders	Δ	Boulders	s (scattered)	
	Positioned Boulde	r 🎄	Scree		
<u> </u>	Non-Coniferous Ti (surveyed)	ree ‡	Conifero		
ਨੁੱਖ	Non-Coniferous Ti (not surveyed)	rees 🎄	Coniferd	ous Trees /eyed)	
දා	Orchard ৫ Tree <sup>©</sup>	⊊ Scrub	$^{\jmath}\mathcal{U}_{\overset{\circ}{}}$	Bracken	
* ~	Coppice, Osier	n Reeds	<u>-माहर —मोहर</u>	Marsh, Saltings	
A11111,	Rough ,utt Grassland	un, Heath	1	Culvert	
<del>&gt;&gt;&gt; →</del>	Direction 2 of water flow	∆ Triangula Station	tion 😽	Antiquity (site of)	
E_TL	_ Electricity Tran	smission Line	$\boxtimes$	Electricity Pylon	
/F/ BM	231.60m Bench M	lark	) Building Building		
	Roofed Buildi	ing	20000	azed Roof uilding	
	· • • Civil pa	ırish/communi	tv boundarv		
		: boundary	, ,		
_ •	—— County	boundary			
٥	Bounda	ary post/stone			
	Bounda	ary mereing sy	mbol (note:	these	
٥	always of three	appear in opp e)	osed pairs o	or groups	
Bks	Barracks	P		le or Post	
Bty Cemv	Battery Cemeters	PO PC	Post Offi Public C	ce onvenience	
Chy	Cemetery Chimney	Pp	Pump	V.114011161166	
Cis	Cistern	Ppg S	•	Station	
Dismtd R	ly Dismantled Railw	-	Place of	Worship	
El Gen St	a Electricity Genera Station	ating Sewa		ewage umping Station	
EIP	Electricity Pole, Pilla		Br Signal B	ox or Bridge	
El Sub St	a Electricity Sub Stati	on SP, SL	_ Signal P	ost or Light	
FB	Filter Bed	Spr	Spring		
Fn / D Fn	Fountain / Drinking	Ftn. Tk	Tank or 1	rack rack	

Gas Valve Compound

Mile Post or Mile Stone

Gas Governer

**Guide Post** 

Manhole

GVC

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Wd Pp

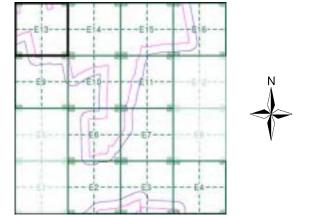
Wks



# **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

# **Historical Map - Segment E13**



### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 492450, 384020 Slice:

884.45

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

**Site Details** 

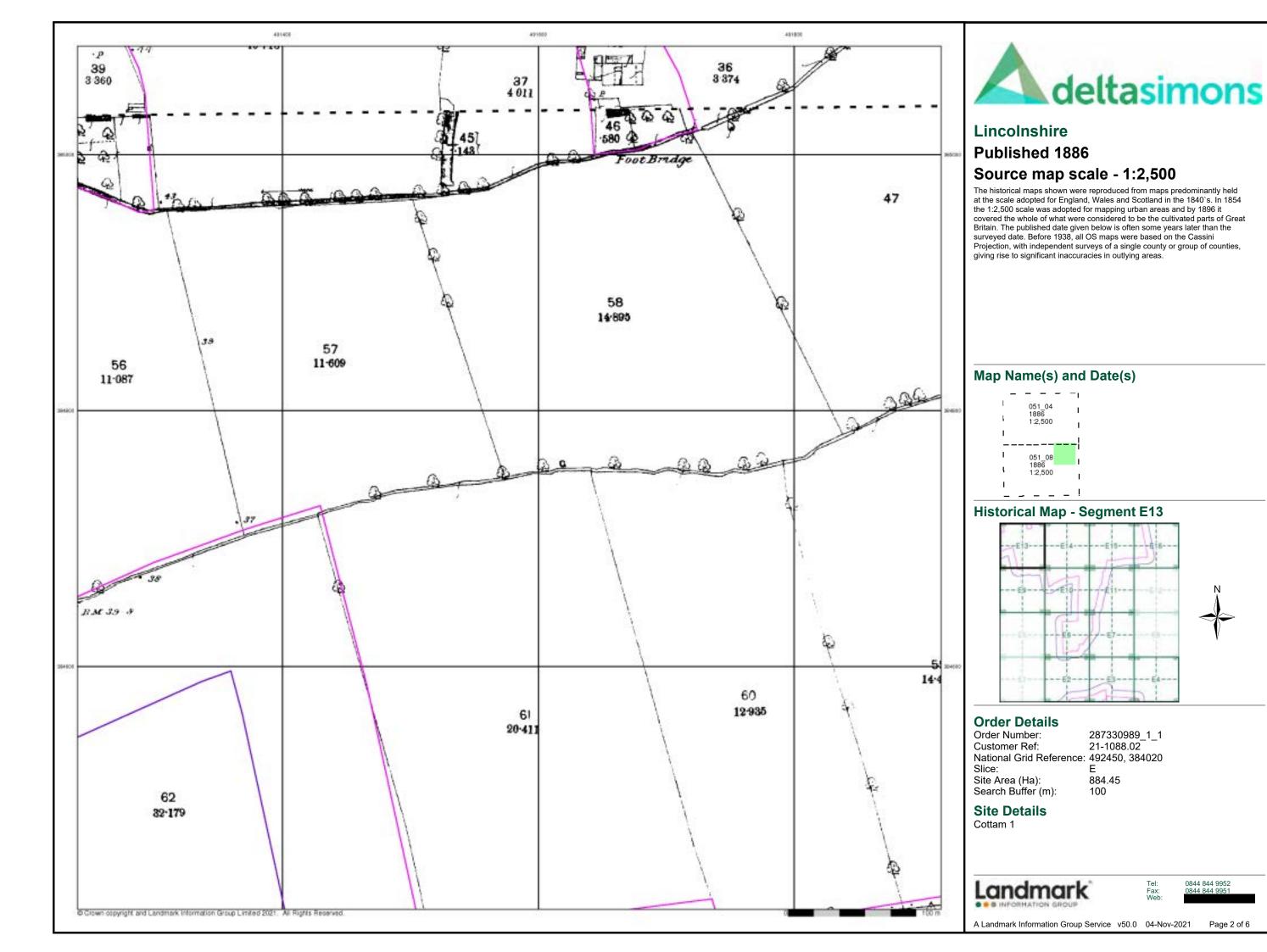
Cottam 1

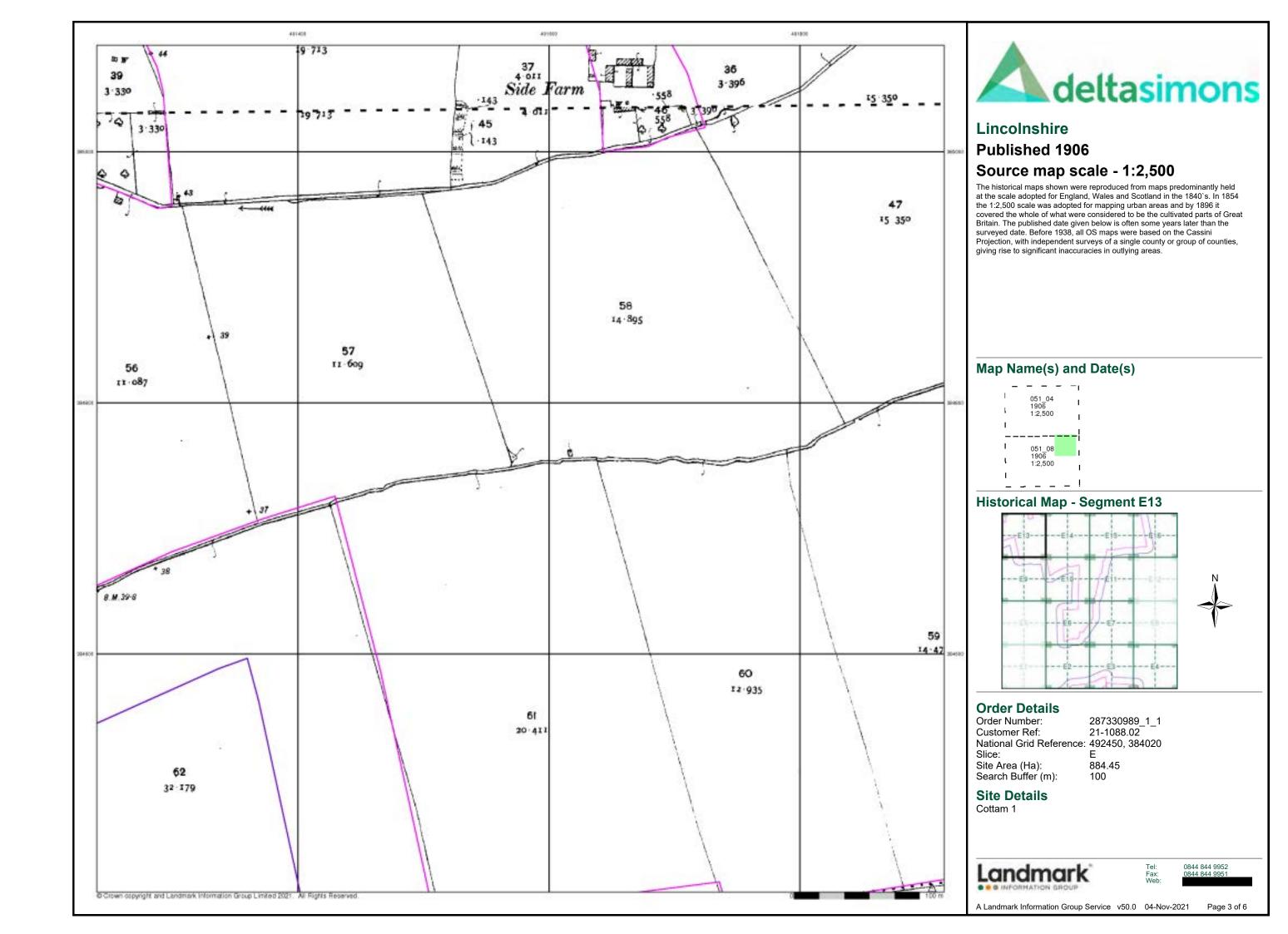
Landmark

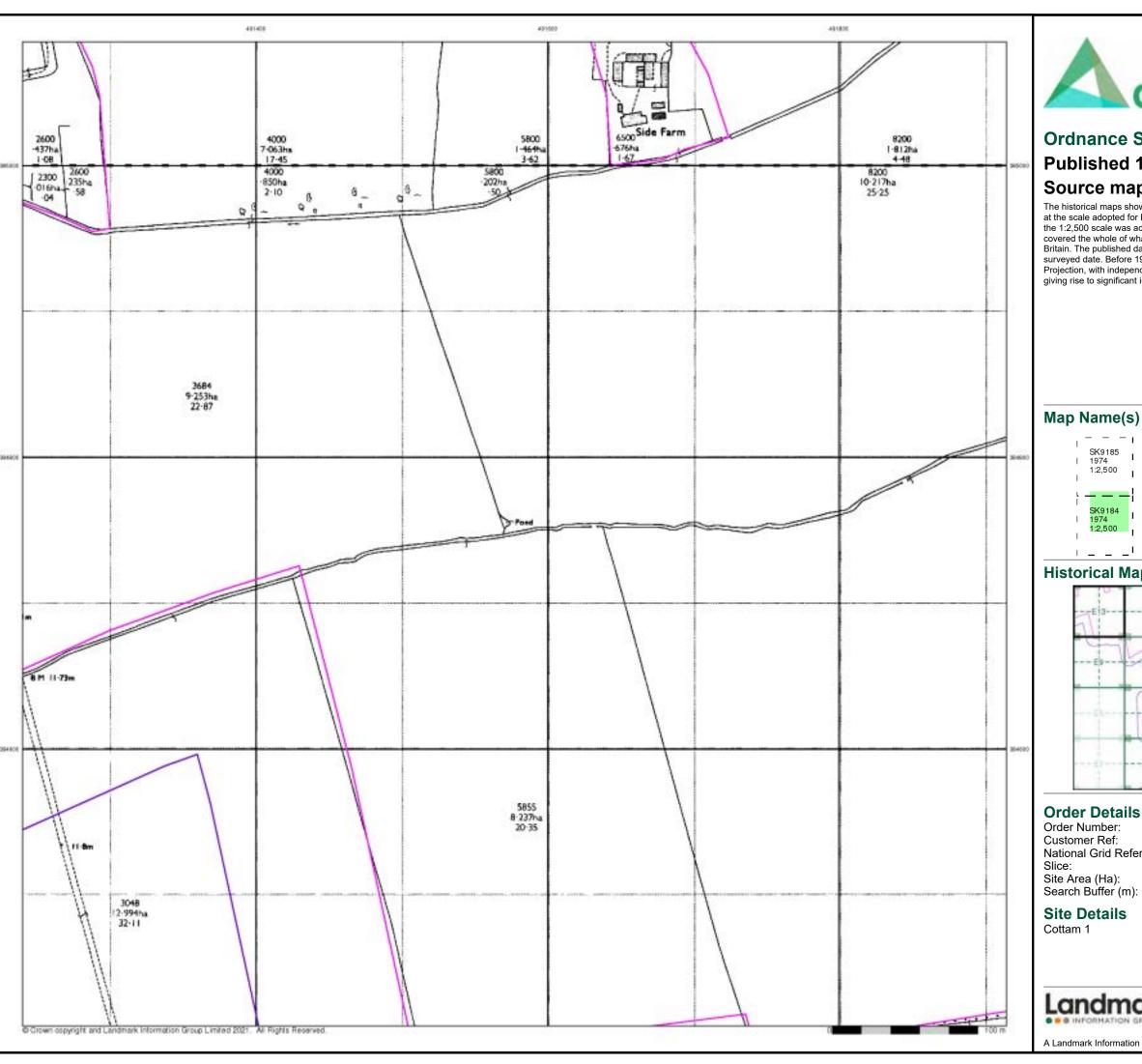
0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021

Page 1 of 6





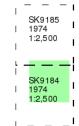




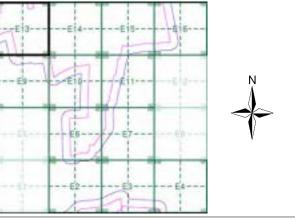
# **Ordnance Survey Plan** Published 1974 Source map scale - 1:2,500

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 surveyes 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 E13**



# **Order Details**

287330989\_1\_1 21-1088.02 Order Number: Customer Ref: National Grid Reference: 492450, 384020 884.45

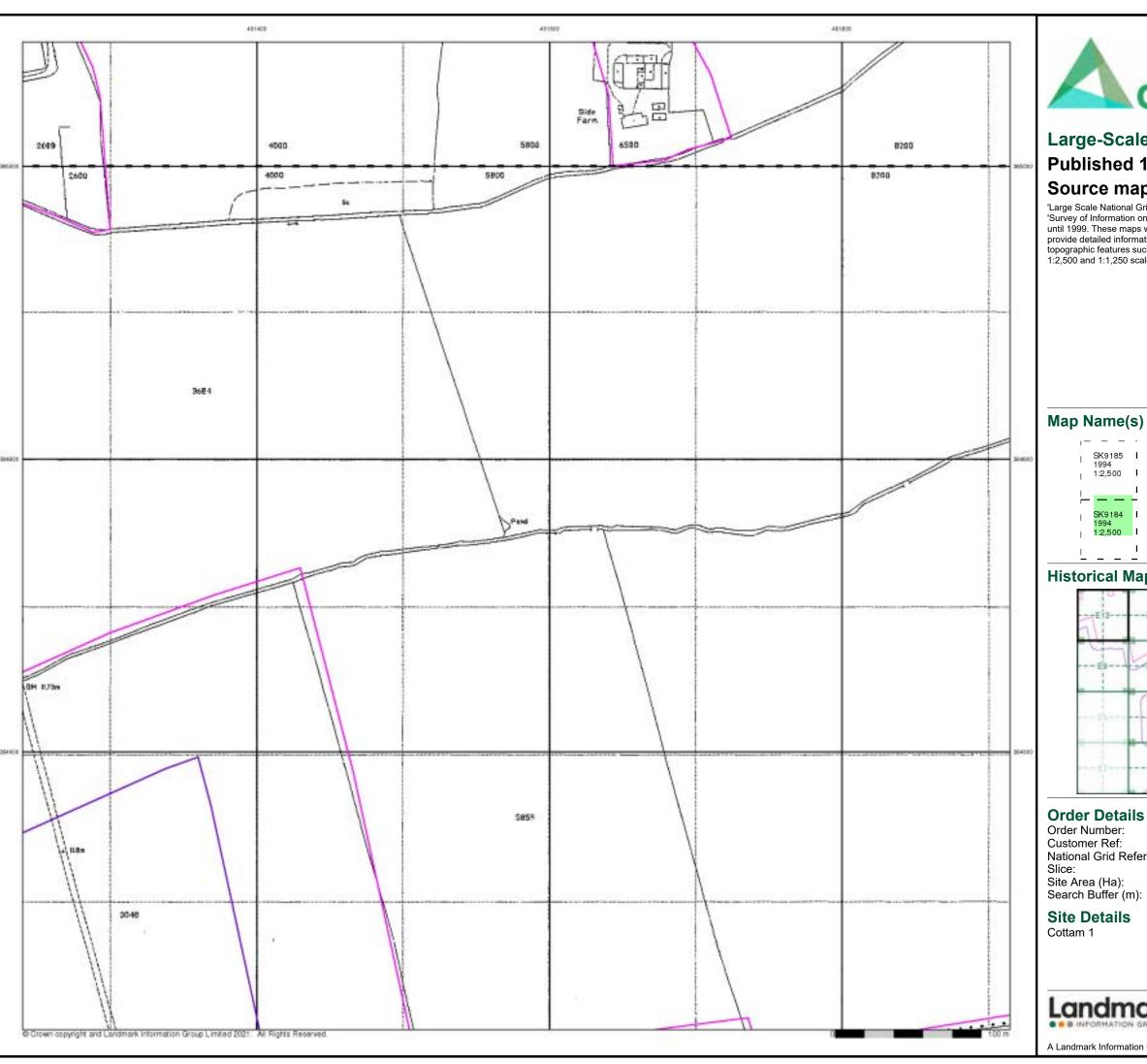
**Site Details** 

Landmark

0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021

Page 4 of 6

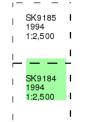




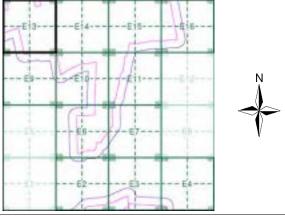
# **Large-Scale National Grid Data** Published 1994 Source map scale - 1:2,500

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

# Map Name(s) and Date(s)



# **Historical Map - Segment E13**



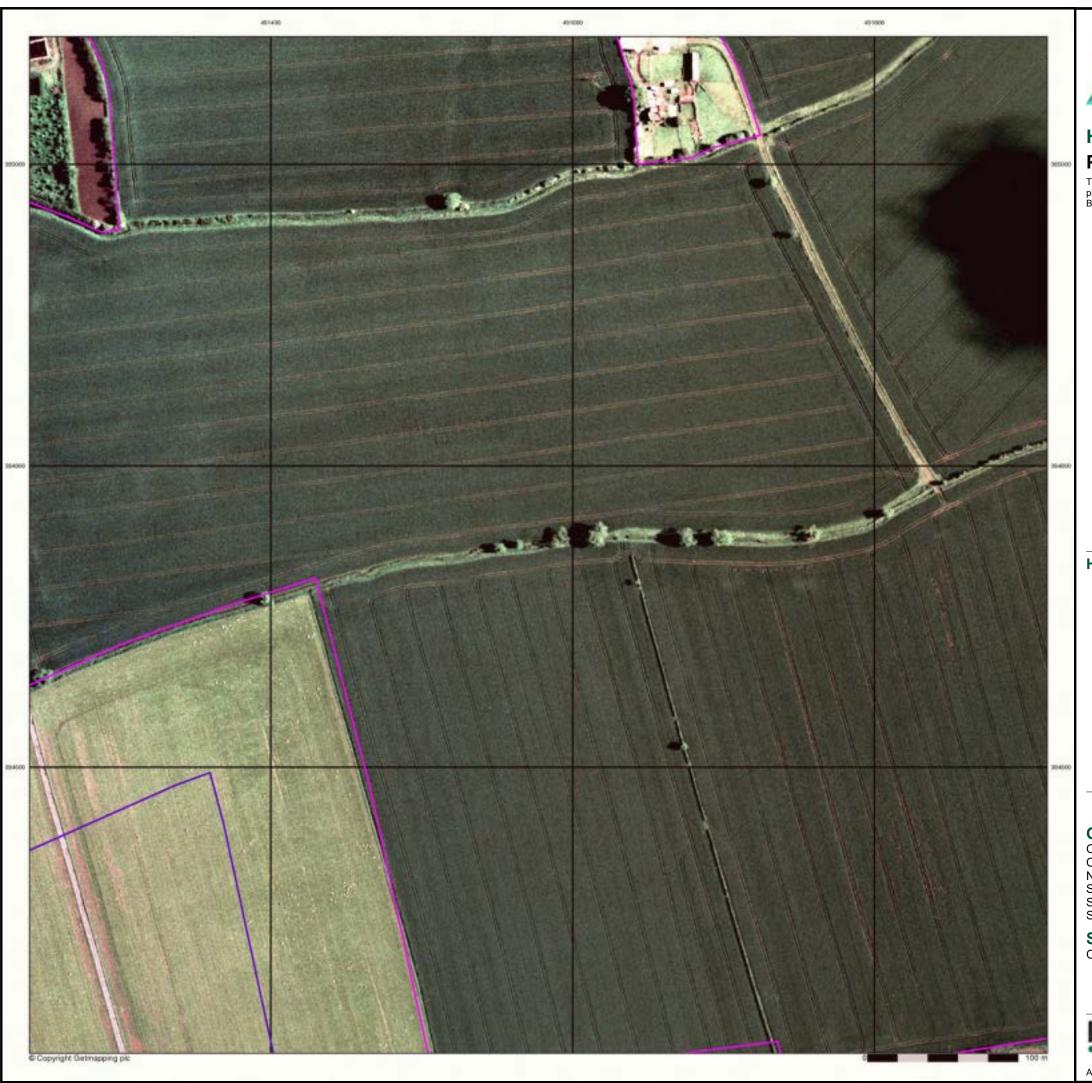
# **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492450, 384020 884.45

# **Site Details**



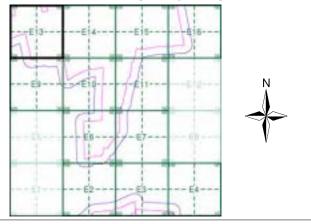
0844 844 9952





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

# **Historical Aerial Photography - Segment E13**



# **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492450, 384020 Slice:

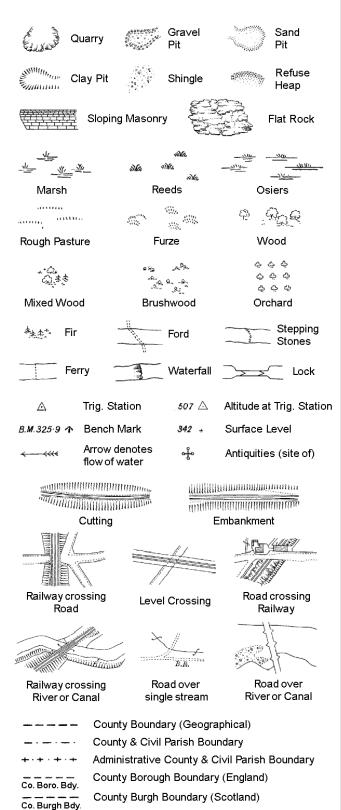
Site Area (Ha): Search Buffer (m): 884.45

# **Site Details**

Cottam 1

Landmark

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



B.R.

E.P

F.B.

M.S

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

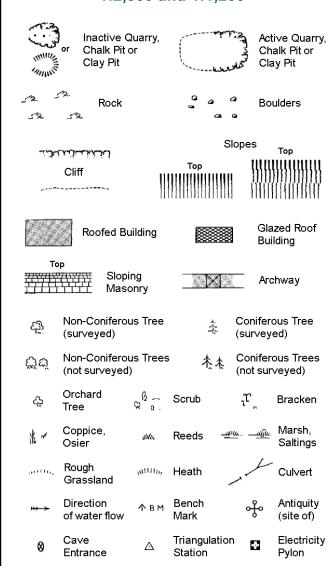
Trough Well

S.P

Sl.

Tr

# Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



# **Electricity Transmission Line**

County Boundary (Geographical) County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary mereing changes

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

# 1:1,250

				Slo	pes	Ton
ىلا <b>نىدىن</b> ىڭ	للنبند		То	n	11111	Top
Clif	f	1111	111111	innunu.	11111	131111111111111111111111111111111111111
~~~~~~~~		1111			11111	WWW
						.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
S≥ <sub>S2</sub> Ro	ock			23	Rock (	scattered)
△ Bo	oulders			Δ	Boulde	ers (scattered)
△ Po	sitioned	Boulder			Scree	
C 13	on-Conife urveyed)	erous Tree		*	Conife (surve	rous Tree yed)
ເມເມ	on-Conife ot sur∨ey	erous Trees red)		本本		rous Trees ırveyed)
Or ڪ Tre	chard ee	Q a.	Scru	dı	າຕຸ	Bracken
	oppice, sier	sHts,	Ree	ds - <u></u>	। <u>ए</u> —ग्गी	Marsh, Saltings
	ough assland	$uuu_{D_{t}}$	Hea	th	1	Culvert
,,,,	rection water flo	Δ	Tria Stat	ngulatior ion	, નું	Antiquity (site of)
E <u>T</u> L	Electrici	ty Transmis	sion	Line		Electricity Pylon
\ <b> -</b>	léúm B	ench Mark			Buildi Buildi	ngs with ng Seed
	Roofe	d Building			231	Glazed Roof Building
		Oi: ::	(			
• • •	• •	Civil parish		-	oundar	У
		District bou	ındar	У		
_ • -	_	County bou	ındar	У		
٥		Boundary p	ost/s	stone		
Þ		Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)				
Bks i	Barracks			Р	Pillar F	Pole or Post
	Battery			PO	Post 0	
_	Cemetery			PC	Public	Convenience
•	Chimney			Pp	Pump	
-	Cistern			Ppg Sta	Pumpii	ng Station
Dismtd Rly	Dismant	led Railway		PW		ofWorship
El Gen Sta	Electrici Station	ty Generating		Sewage P		Sewage
EIP I	Station Electricity I	Pole Pillar		SB, S Br		Pumping Station Box or Bridge
El Sub Sta					_	_
	_	JUD GLULUII		SP, SL		Post or Light
FB F	Filter Bed			Spr	Spring	

Fn / D Fn Fountain / Drinking Ftn.

Gas Governer

**Guide Post** 

Manhole

GVC

Gas Valve Compound

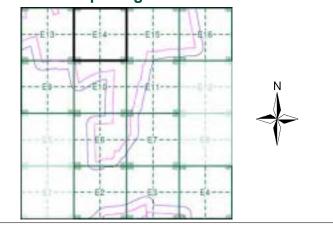
Mile Post or Mile Stone



# **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

# **Historical Map - Segment E14**



### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 492450, 384020

Slice:

884.45 Site Area (Ha): Search Buffer (m): 100

**Site Details** Cottam 1

Tank or Track

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Tr

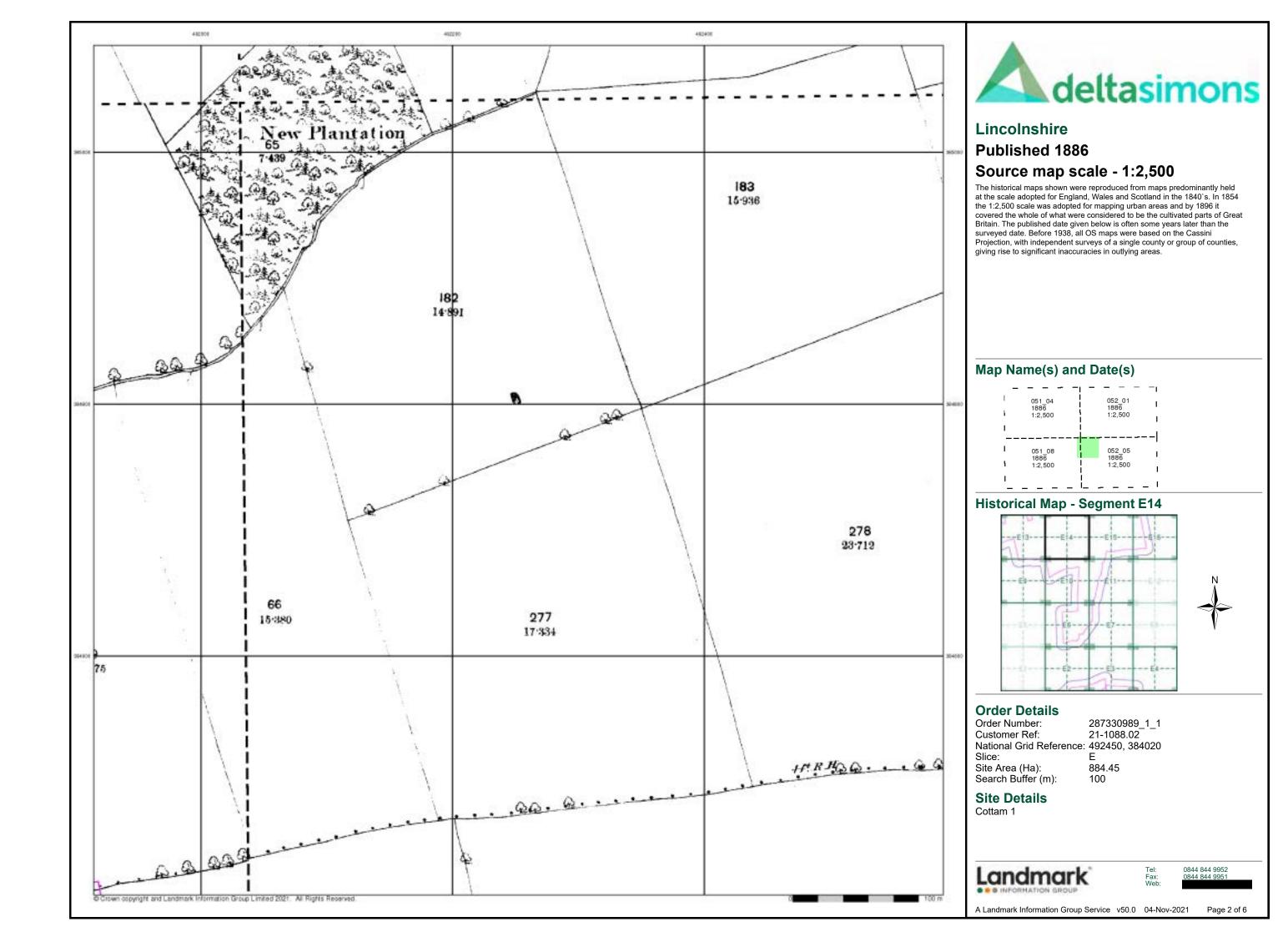
Wd Pp

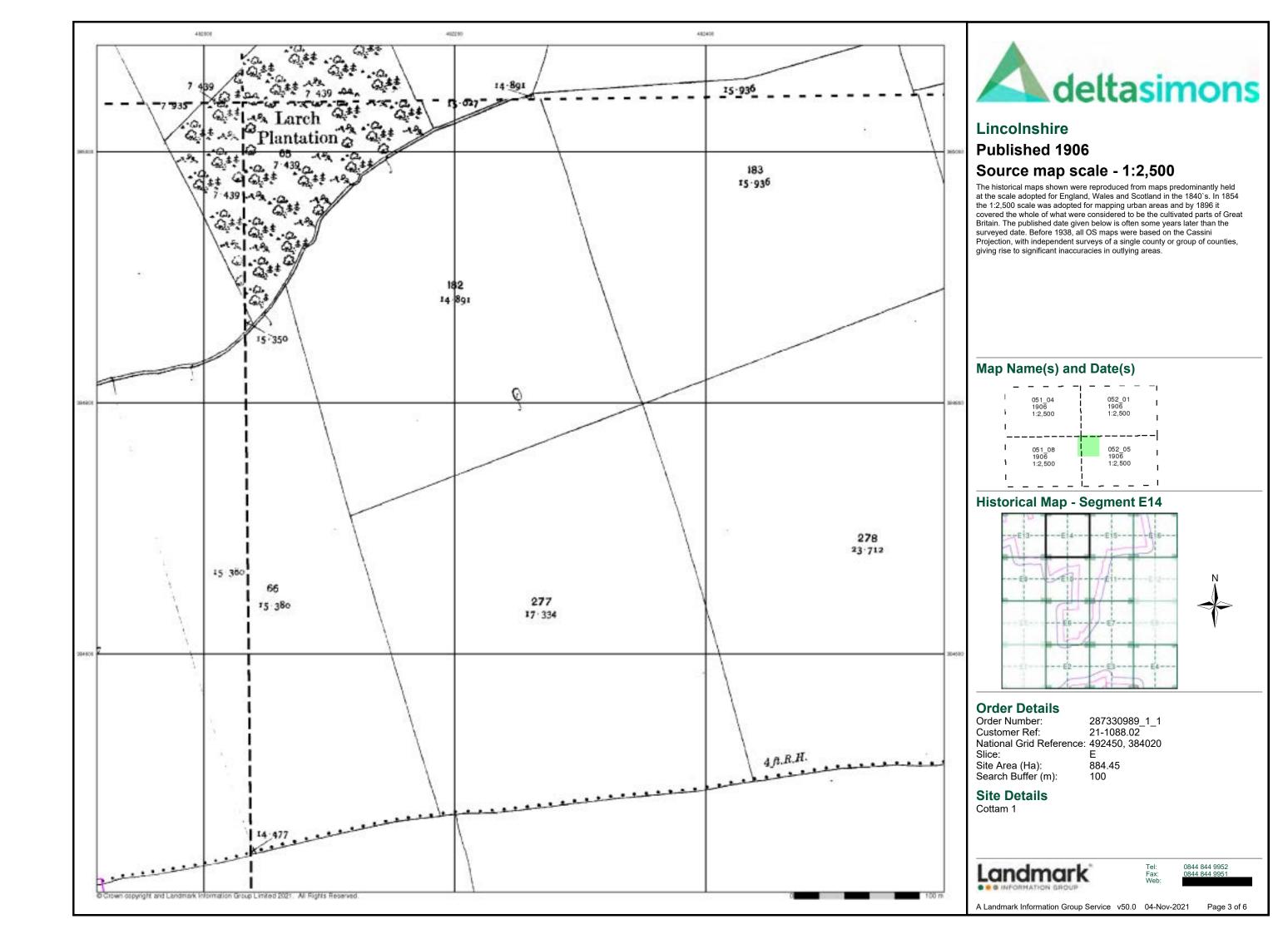
Wks

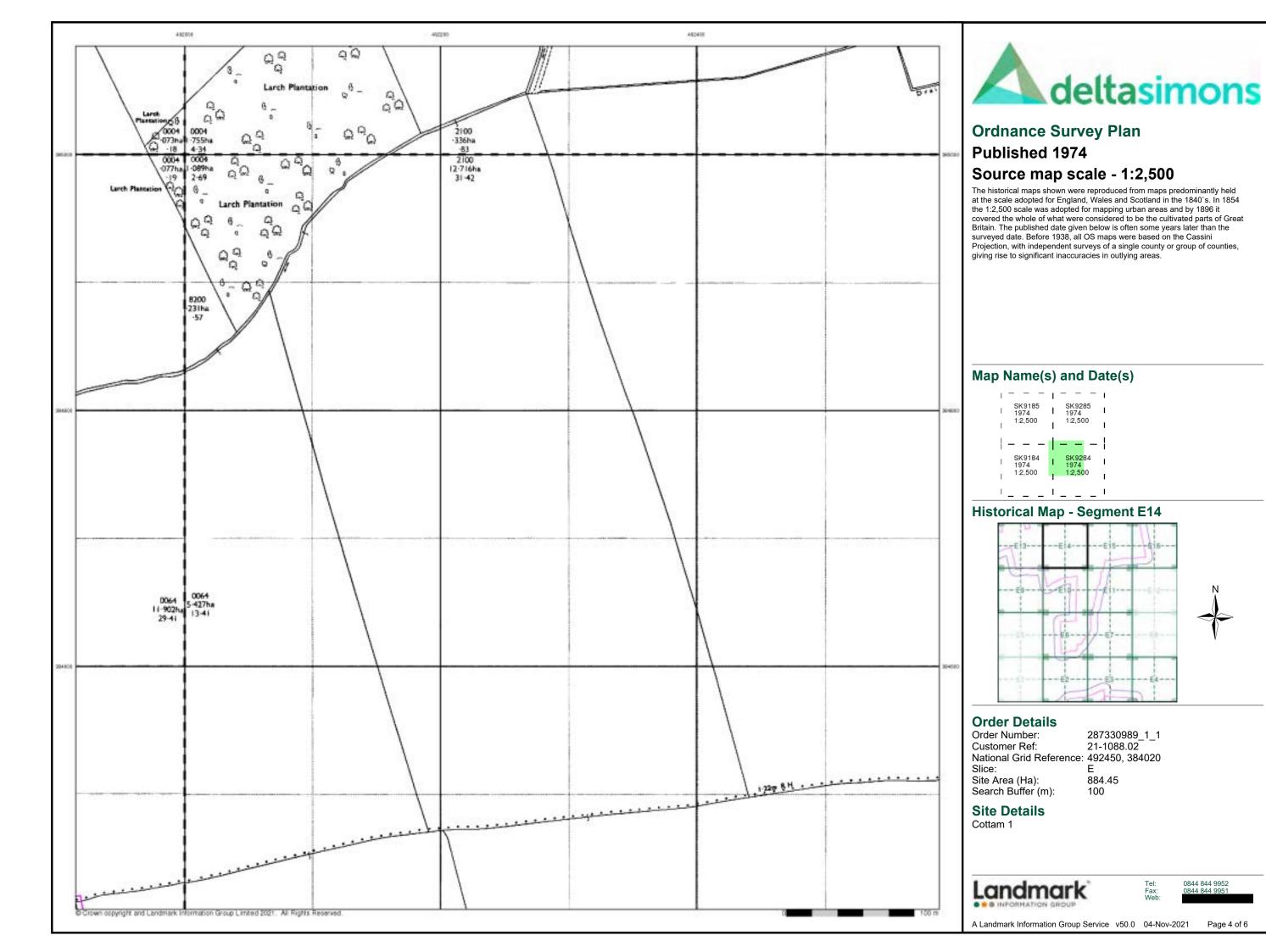


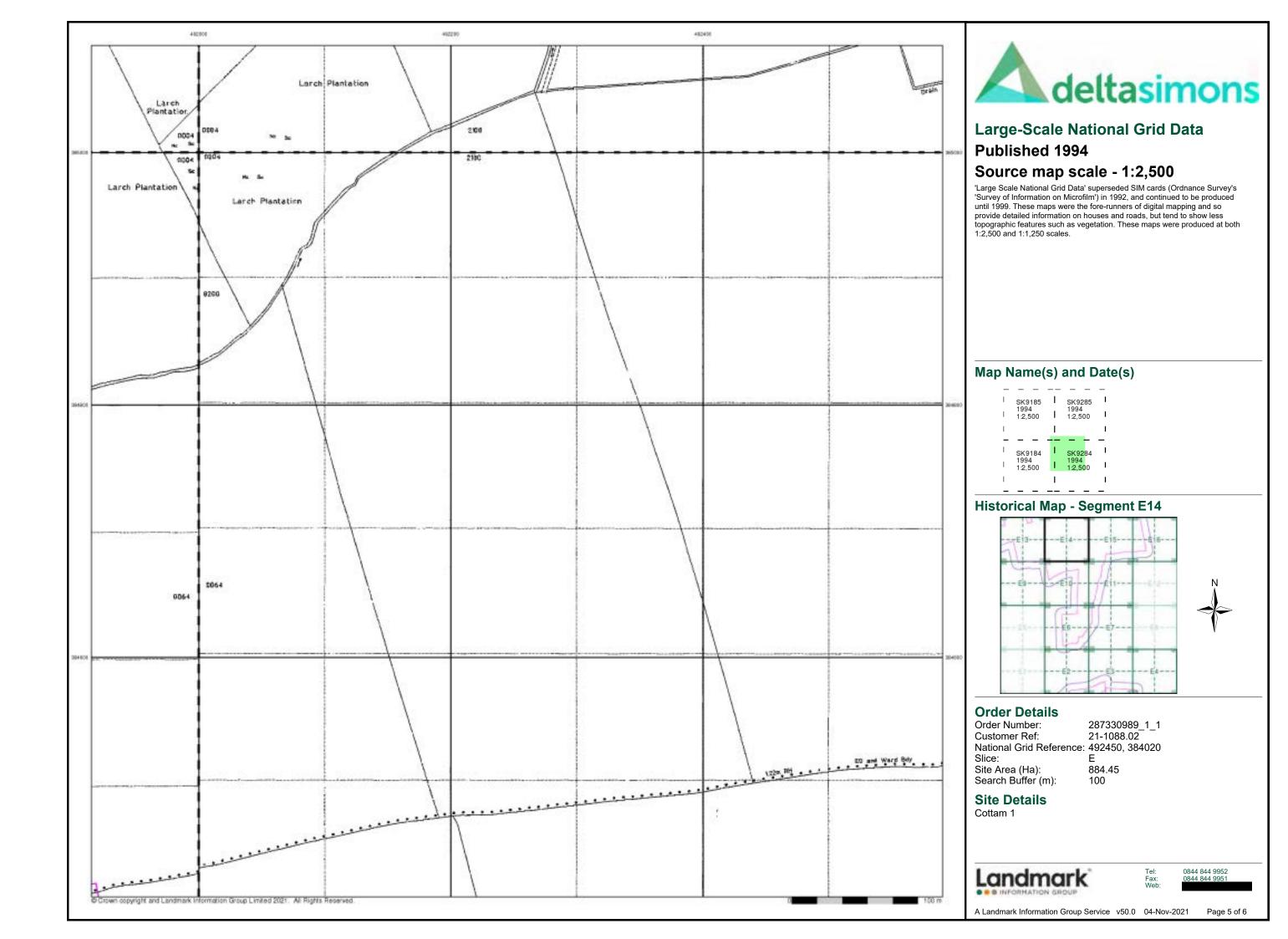
0844 844 9952

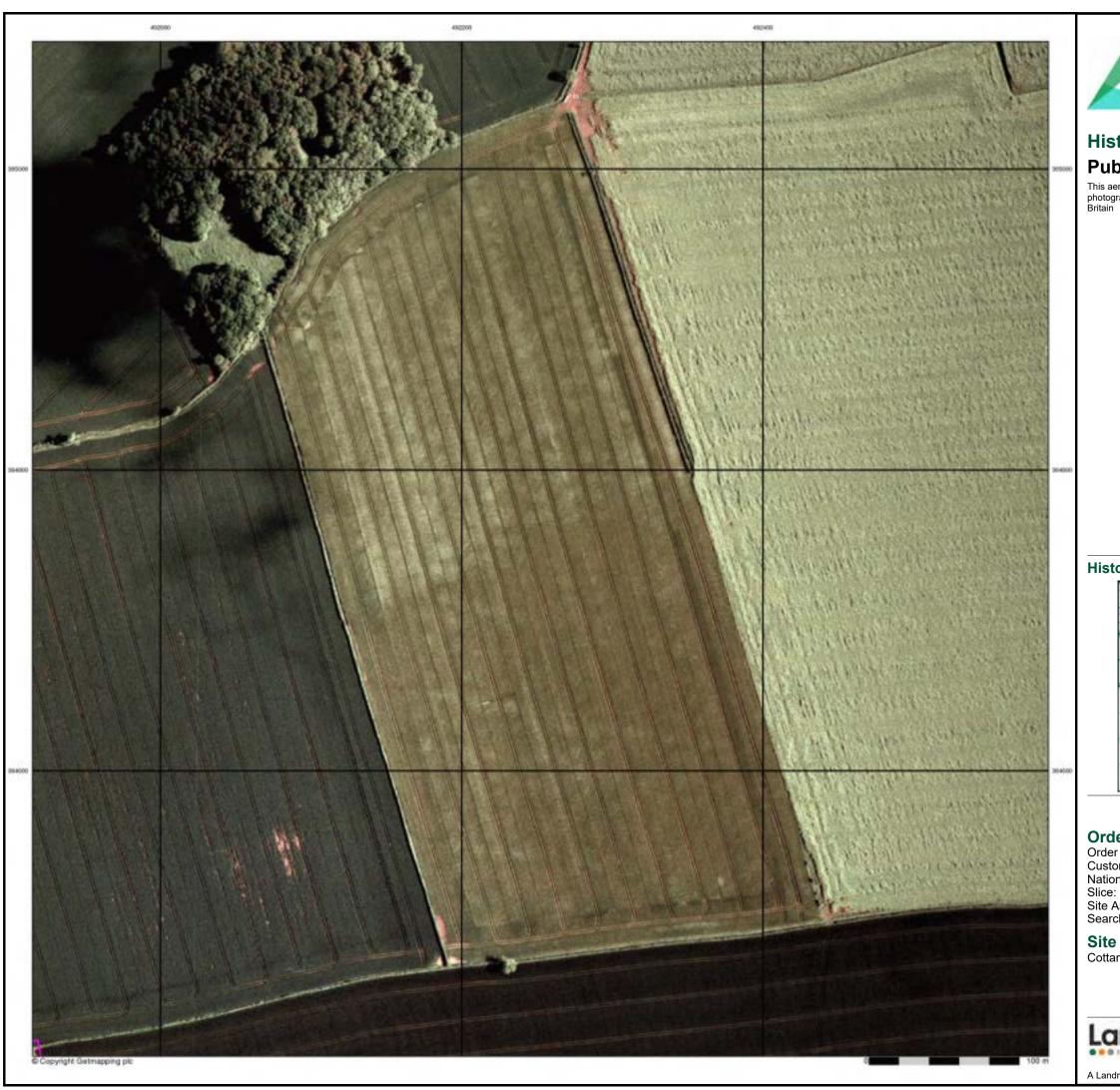
Page 1 of 6







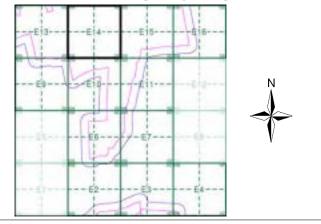






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

# **Historical Aerial Photography - Segment E14**



# **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492450, 384020

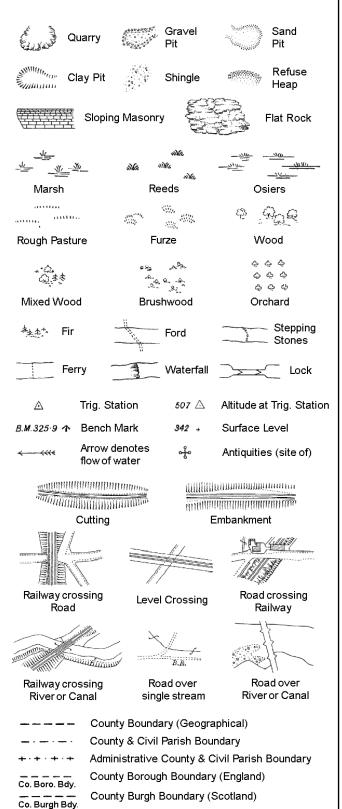
Site Area (Ha): Search Buffer (m): 884.45 100

**Site Details** 

Cottam 1

Landmark

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



B.R.

E.P

F.B.

M.S

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Guide Post or Board

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

Trough

Well

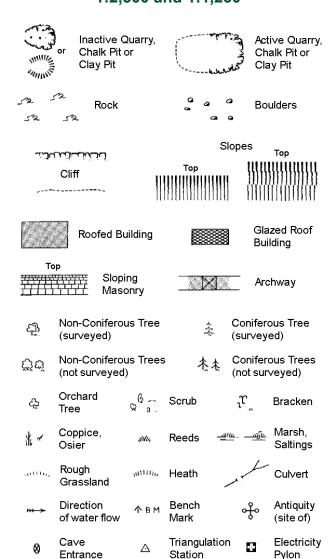
S.P

T.C.B

Sl.

 $T_T$ 

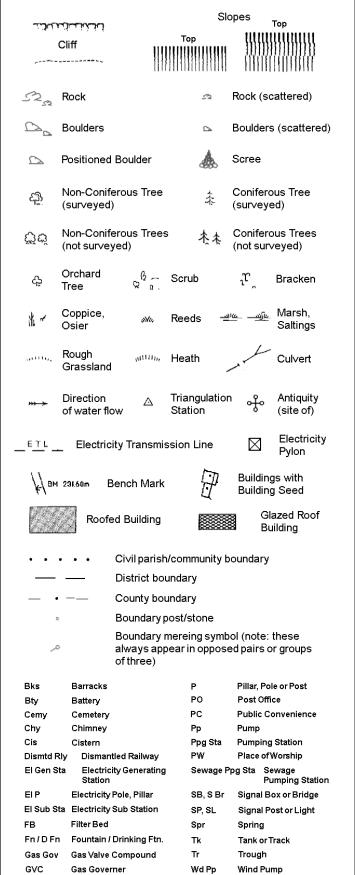
Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



**Electricity Transmission Line** County Boundary (Geographical) County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary mereing changes

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

# 1:1,250



Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Wks

**Guide Post** 

Mile Post or Mile Stone

Manhole

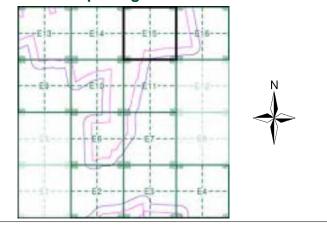
MP, MS



# **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

# **Historical Map - Segment E15**



### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 **Customer Ref:** National Grid Reference: 492450, 384020 Slice: 884.45

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

**Site Details** Cottam 1

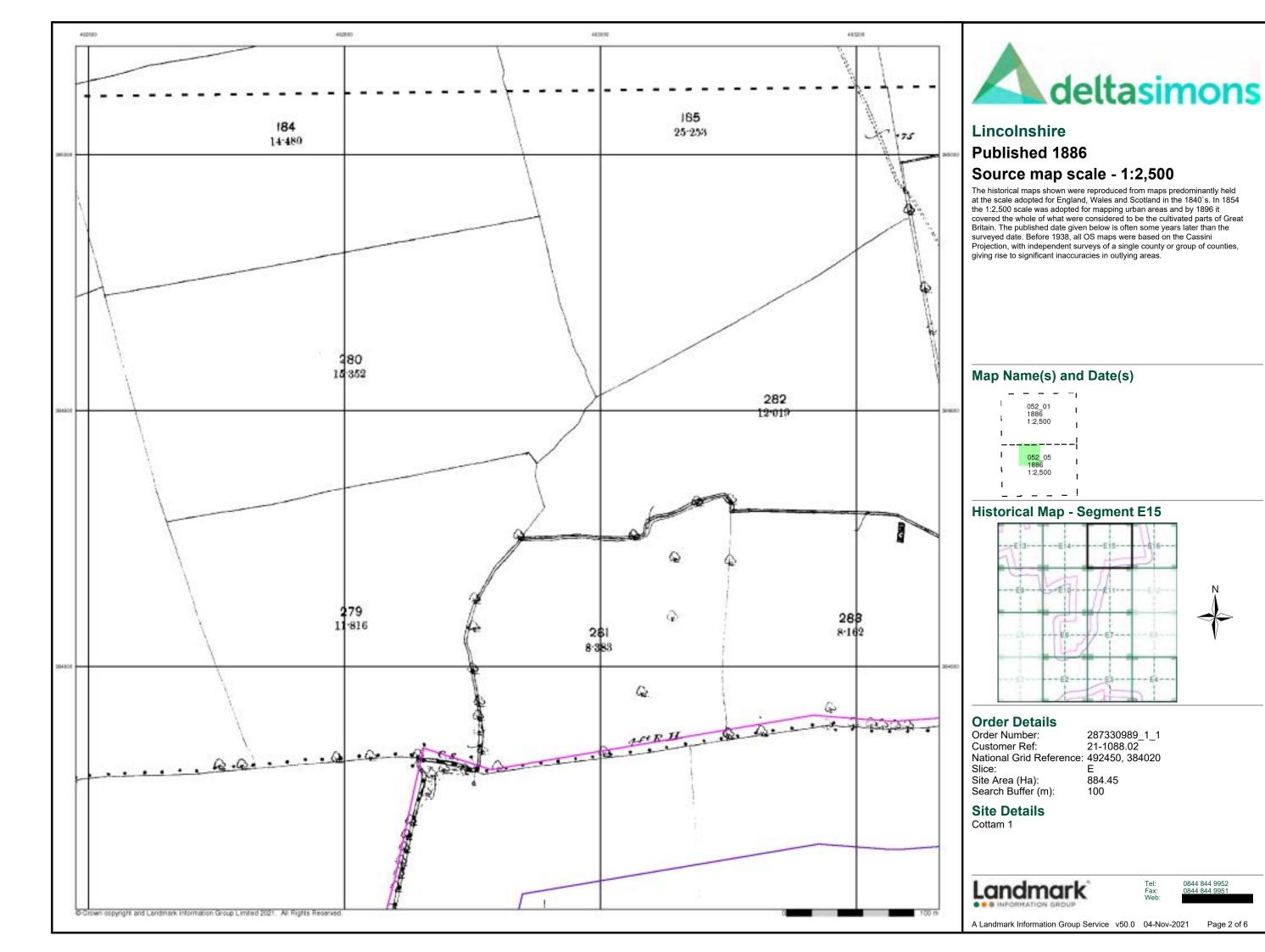


0844 844 9952

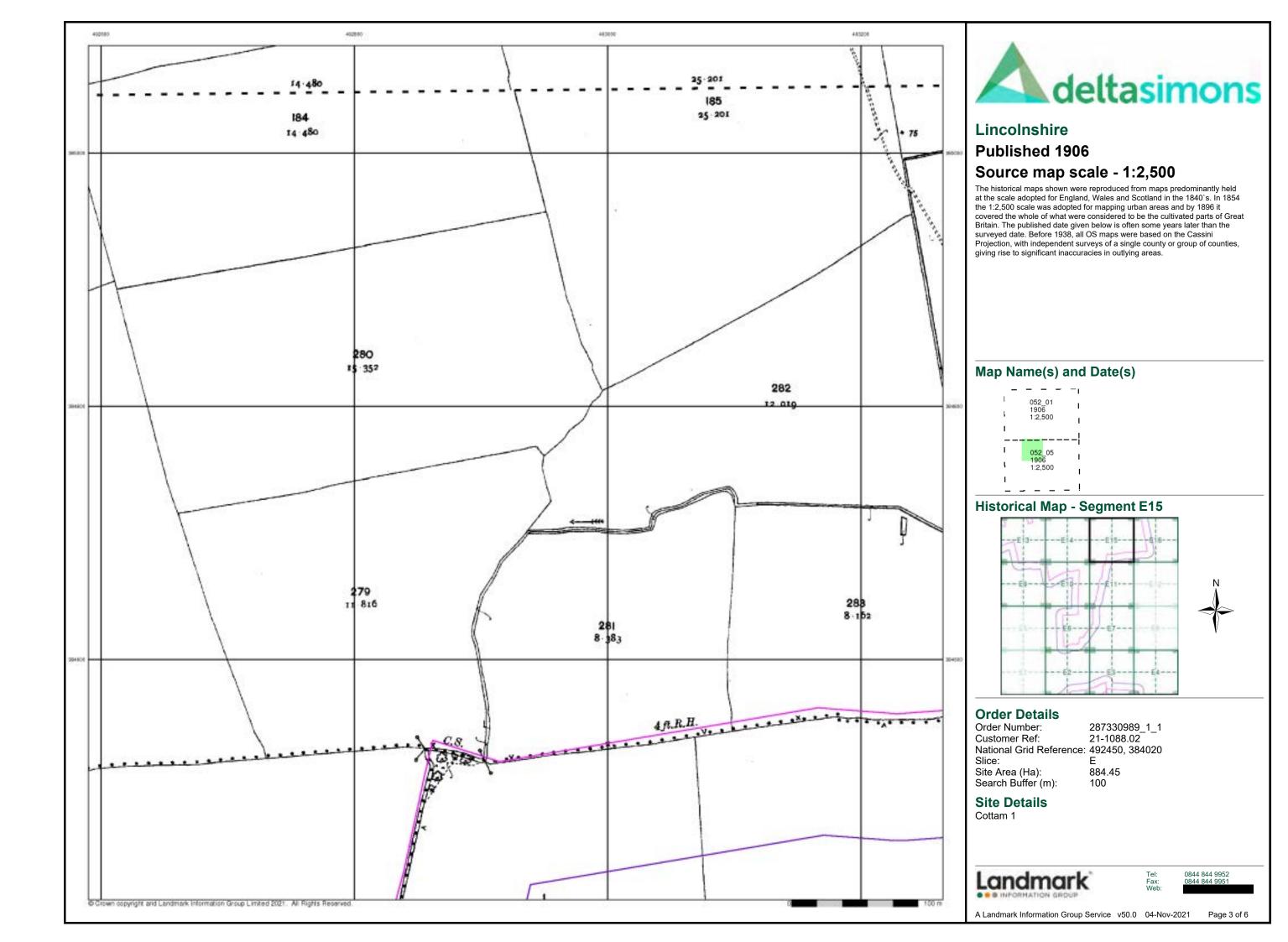
Page 1 of 6

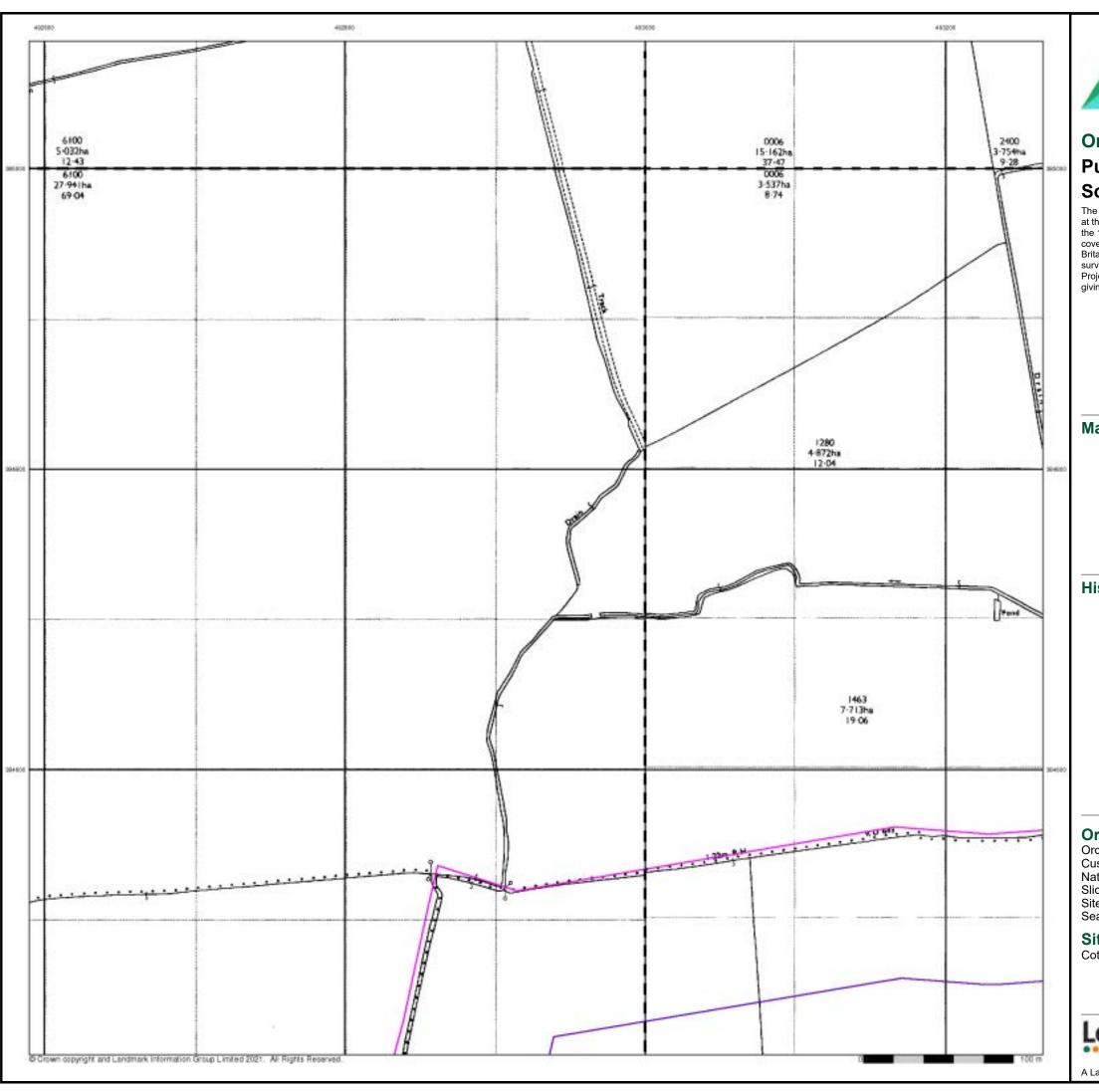
A Landmark Information Group Service v50.0 04-Nov-2021

100



Page 2 of 6







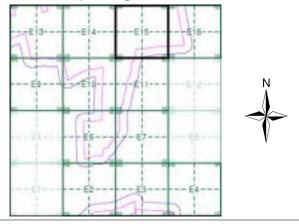
# **Ordnance Survey Plan** Published 1974 Source map scale - 1:2,500

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 surveyes of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

# Map Name(s) and Date(s)

 	SK9285 1974 1:2,500	SK9385 I 1974 1:2,500
	SK9284 1974 1:2,500	SK9384 1974 1:2,500
1		ı

# **Historical Map - Segment E15**



# **Order Details**

287330989\_1\_1 21-1088.02 Order Number: Customer Ref: National Grid Reference: 492450, 384020 Slice:

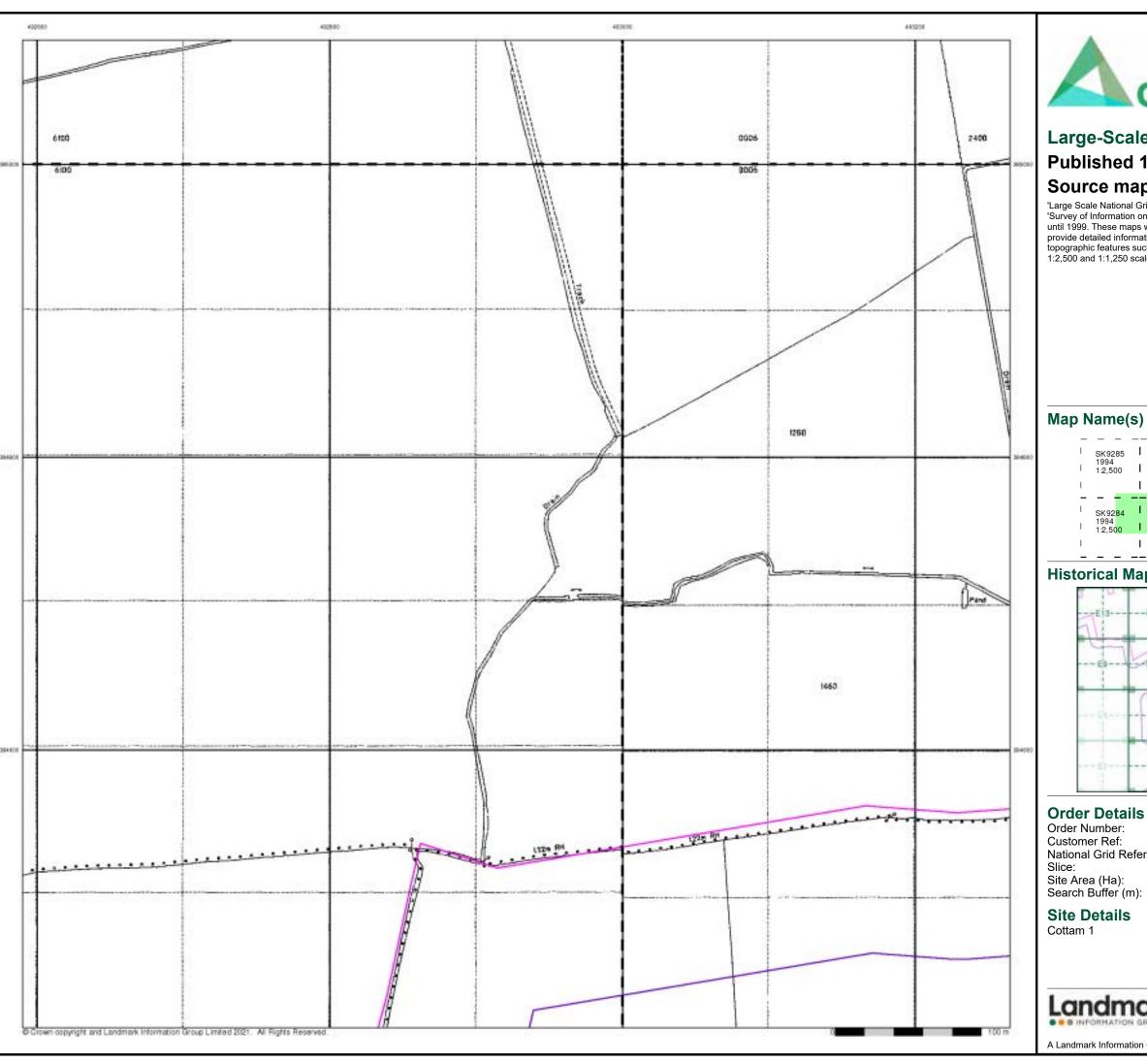
Site Area (Ha): Search Buffer (m): 884.45

# **Site Details**

Cottam 1



0844 844 9952





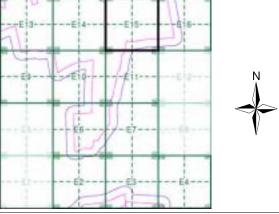
# **Large-Scale National Grid Data** Published 1994 Source map scale - 1:2,500

'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)

_	_	_		_	_	_
I	SK92		ı	SK9		
1	1994 1:2,5		-	199 1:2,		
I			- 1			
_	_	_		_	_	_
I	SK92		- 1	SK9		
1	1994 1:2,5		- 1	199		
1			- 1			

# **Historical Map - Segment E15**



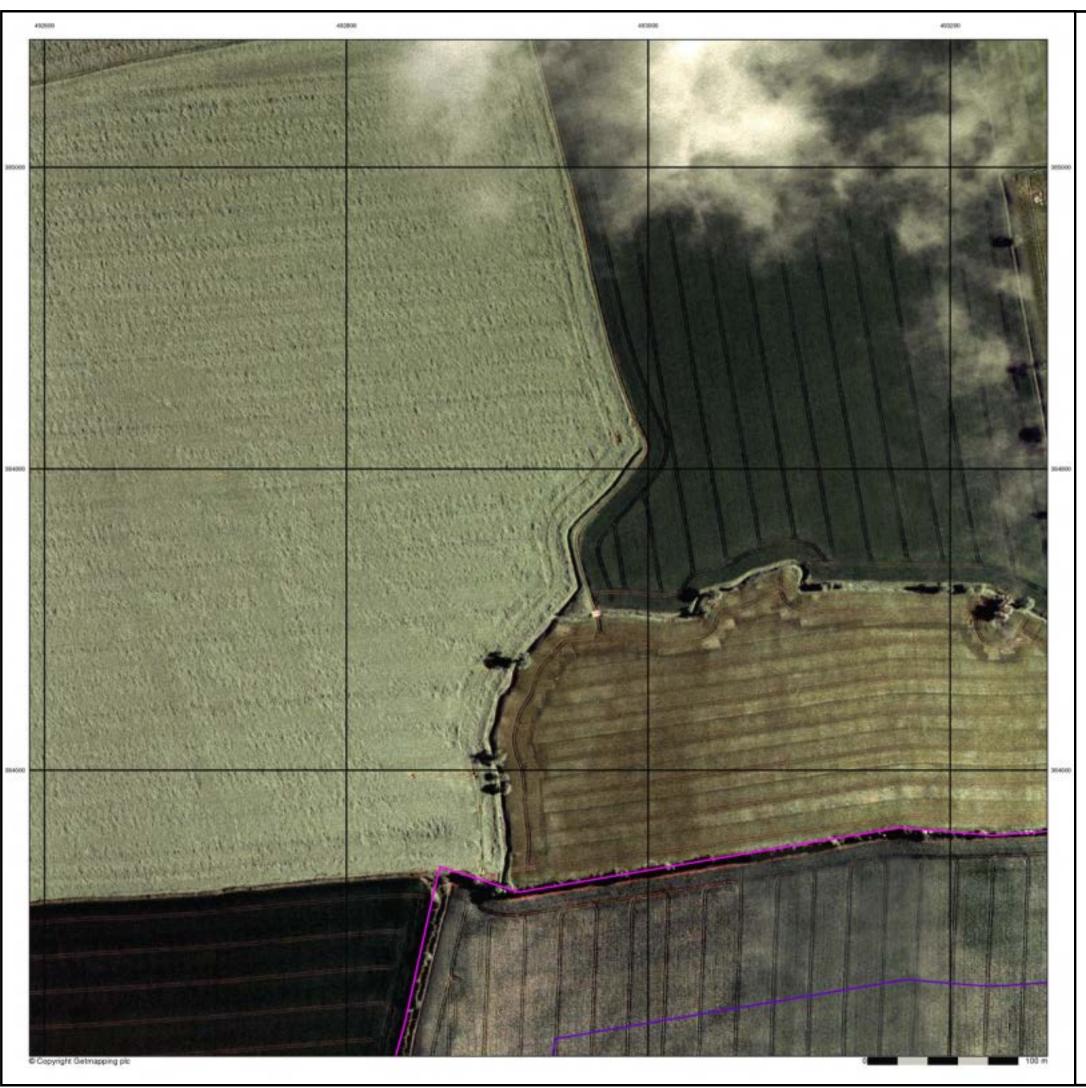
Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492450, 384020

884.45

# **Site Details**



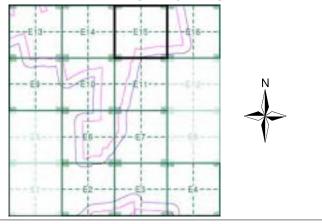
0844 844 9952





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

# **Historical Aerial Photography - Segment E15**



# **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492450, 384020 Slice:

Site Area (Ha): Search Buffer (m): 884.45

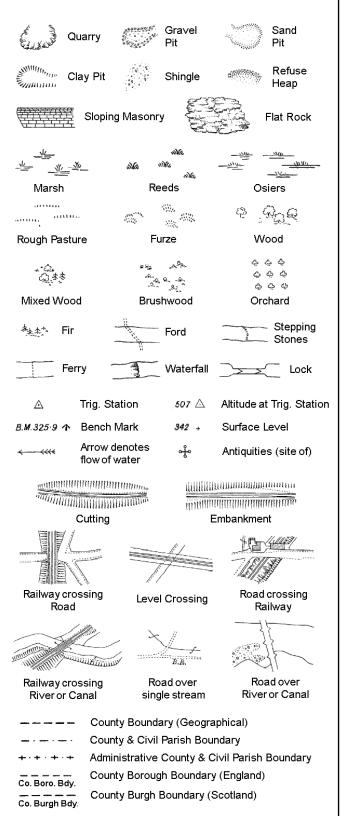
# **Site Details**

Cottam 1

Landmark

A Landmark Information Group Service v50.0 04-Nov-2021 Page 6 of 6

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



B.R.

E.P

F.B.

M.S

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

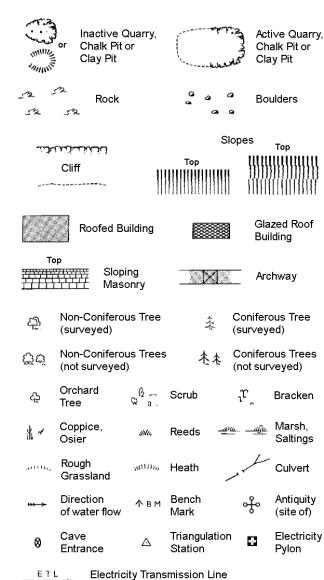
Trough Well

S.P

Sl.

Tr

# Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



County Boundary (Geographical)

County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary mereing changes

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

FΒ

Filter Bed

Fn / D Fn Fountain / Drinking Ftn.

Gas Governer

**Guide Post** 

Manhole

Gas Valve Compound

Mile Post or Mile Stone

# 1:1,250

רואלה. האלה	لانتانان		Slo	pes	Тор	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Cliff	1111111	Top	<b>!!!!!</b>	!!!!!!!!!!! !!!!!!!!!!!!	
		[[[[]]]]]	111(11111111111111111111111111111111111	111111	111111111111	
250	Rock		2,5	Rock (s	cattered)	
$ \mathcal{D}^{\sigma} $	Boulders		<i>D</i>	Boulder	s (scattered)	
	Positioned	l Boulder		Scree		
<u>원</u>	Non-Conit	erous Tree	-1-	Conifer (survey	ous Tree ed)	
స్టోల్	Non-Conit (not surve	erous Trees yed)	春春	Conifer (not sur	ous Trees ∨eyed)	
දා	Orchard Tree	ç <sup>6</sup> û. So	rub	'n,	Bracken	
* ~	Coppice, Osier	₩ Re	eds 🗝	<u>দে —স্যাদ</u>	Marsh, Saltings	
actities,	Rough Grassland	<sub>инии</sub> , Не	eath	1	Culvert	
<del>&gt;&gt;&gt; →</del>	Direction of water fl		angulation ation	्री०	Antiquity (site of)	
E_TL	Electric	city Transmissio	n Line	$\boxtimes$	Electricity Pylon	
/ <del>/</del> / вм	231.6úm	Bench Mark			gs with g Seed	
	Roof	ed Building		9 -	lazed Roof uilding	
		Ci∨il parish/co	mmunity be	oundary		
			District boundary			
_ •		County boundary				
٥	3	Boundary post				
£	>	Boundary mer always appear of three)	eing symbo	,		
Bks	Barracks		Р	Pillar Pr	ole or Post	
Bty	Battery		PO	Post Off		
Cemy	Cemetery		PC	Public C	onvenience	
Chy	Chimney		Рр	Pump		
Cis	Cistern		Ppg Sta	Pumping	g Station	
Dismtd F	Rly Dismar	itled Railway	PW		Worship	
El Gen S	ta Electric Station	city Generating	Sewage P		ewage umping Station	
EIP	Electricity	Pole, Pillar	SB, S Br	Signal E	Box or Bridge	
El Sub S	ta Electricity	Sub Station	SP, SL	Signal F	ost or Light	

Spr

Tk

Tr

Wd Pp

Wks

Spring

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

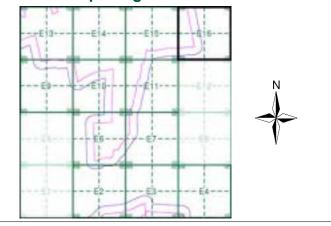
Tank or Track



# **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

# **Historical Map - Segment E16**



### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 492450, 384020 Slice: 884.45

Site Area (Ha):

Search Buffer (m):

**Site Details** Cottam 1

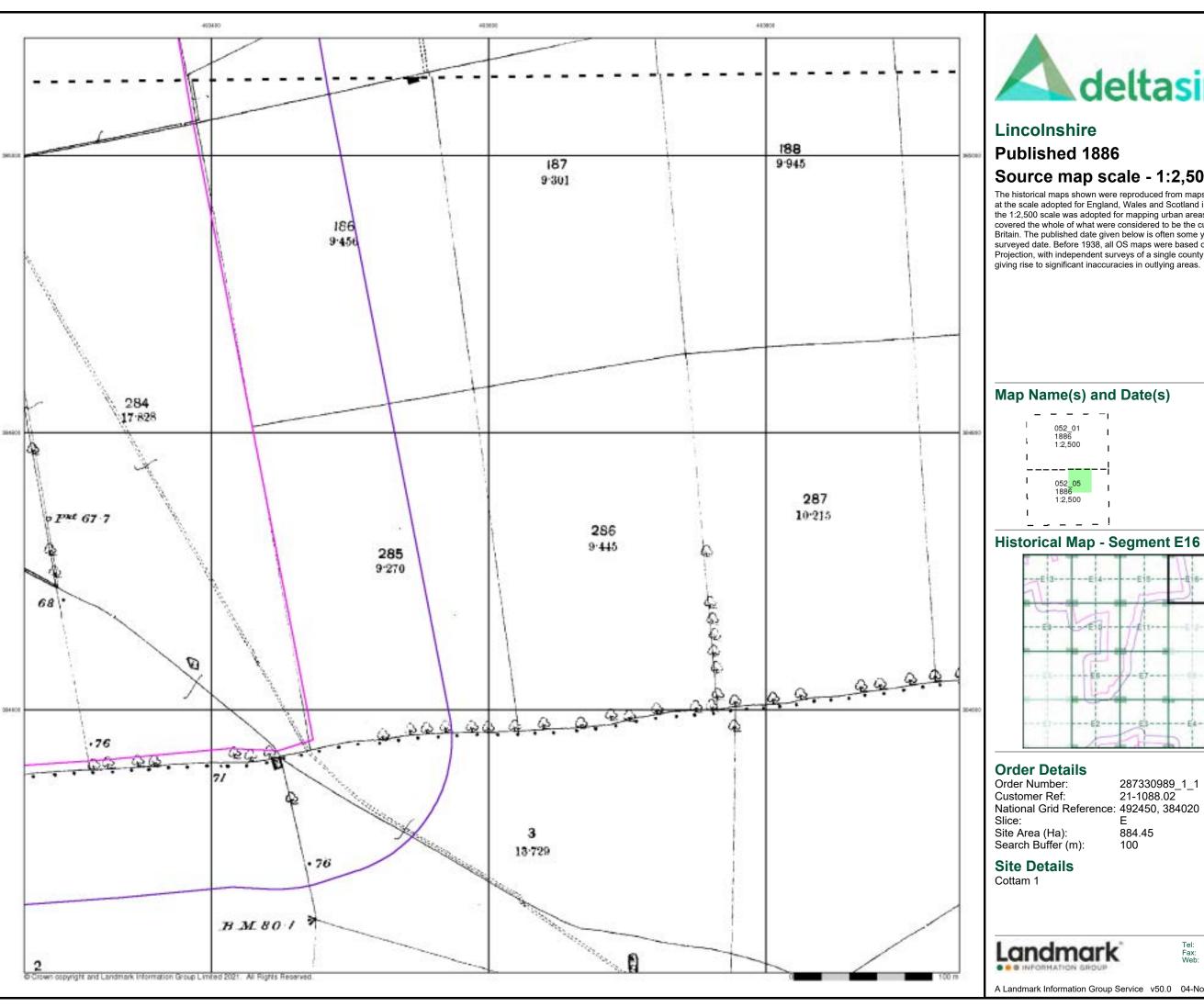
Landmark

0844 844 9952

Page 1 of 6

A Landmark Information Group Service v50.0 04-Nov-2021

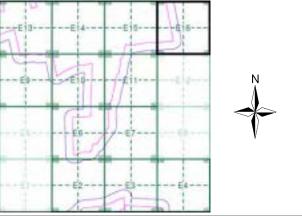
100





# 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.

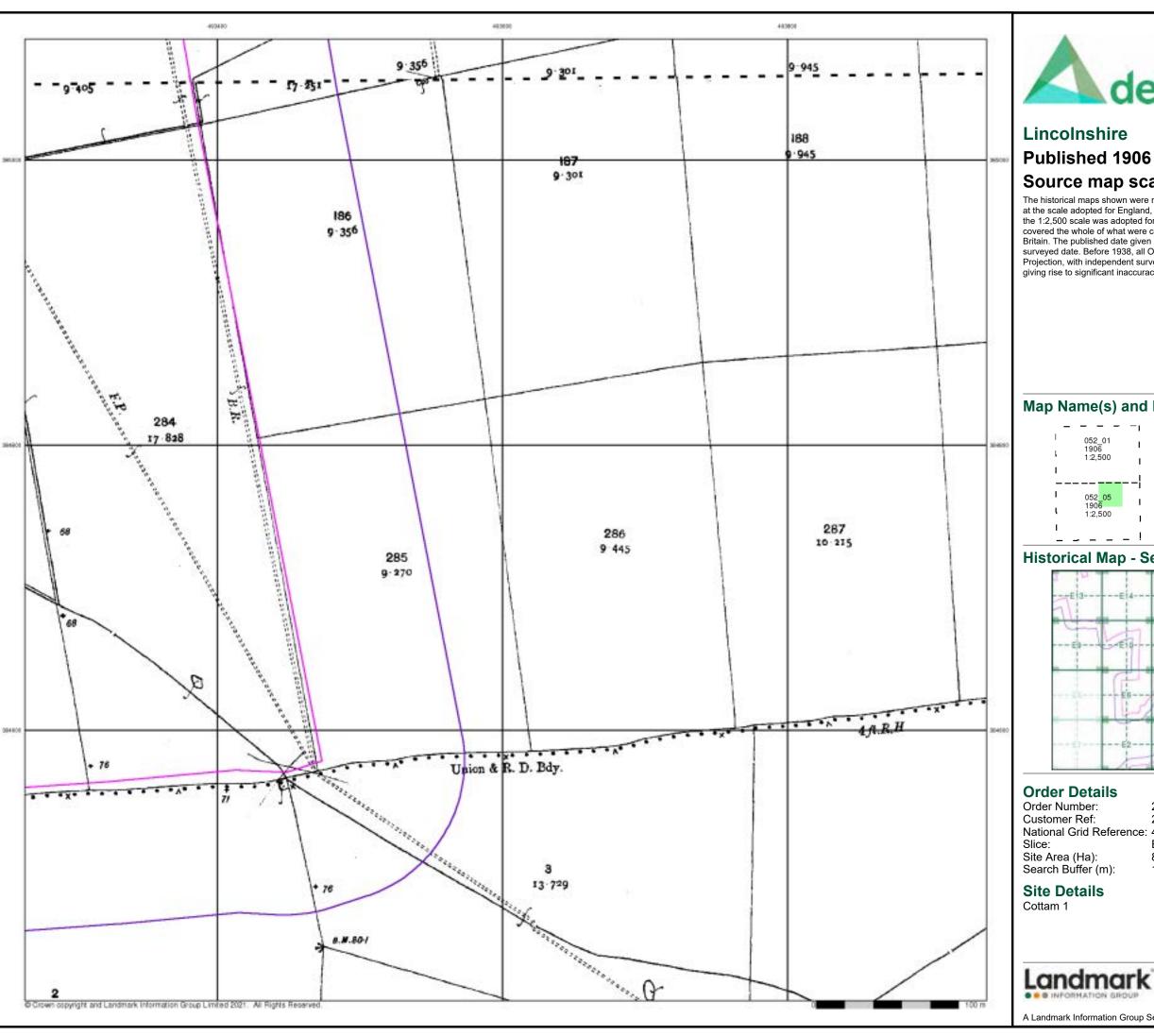


287330989\_1\_1 21-1088.02 National Grid Reference: 492450, 384020

0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021

Page 2 of 6



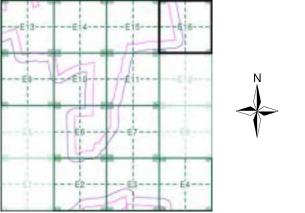


# Source map scale - 1:2,500

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 surveyes of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

# Map Name(s) and Date(s)

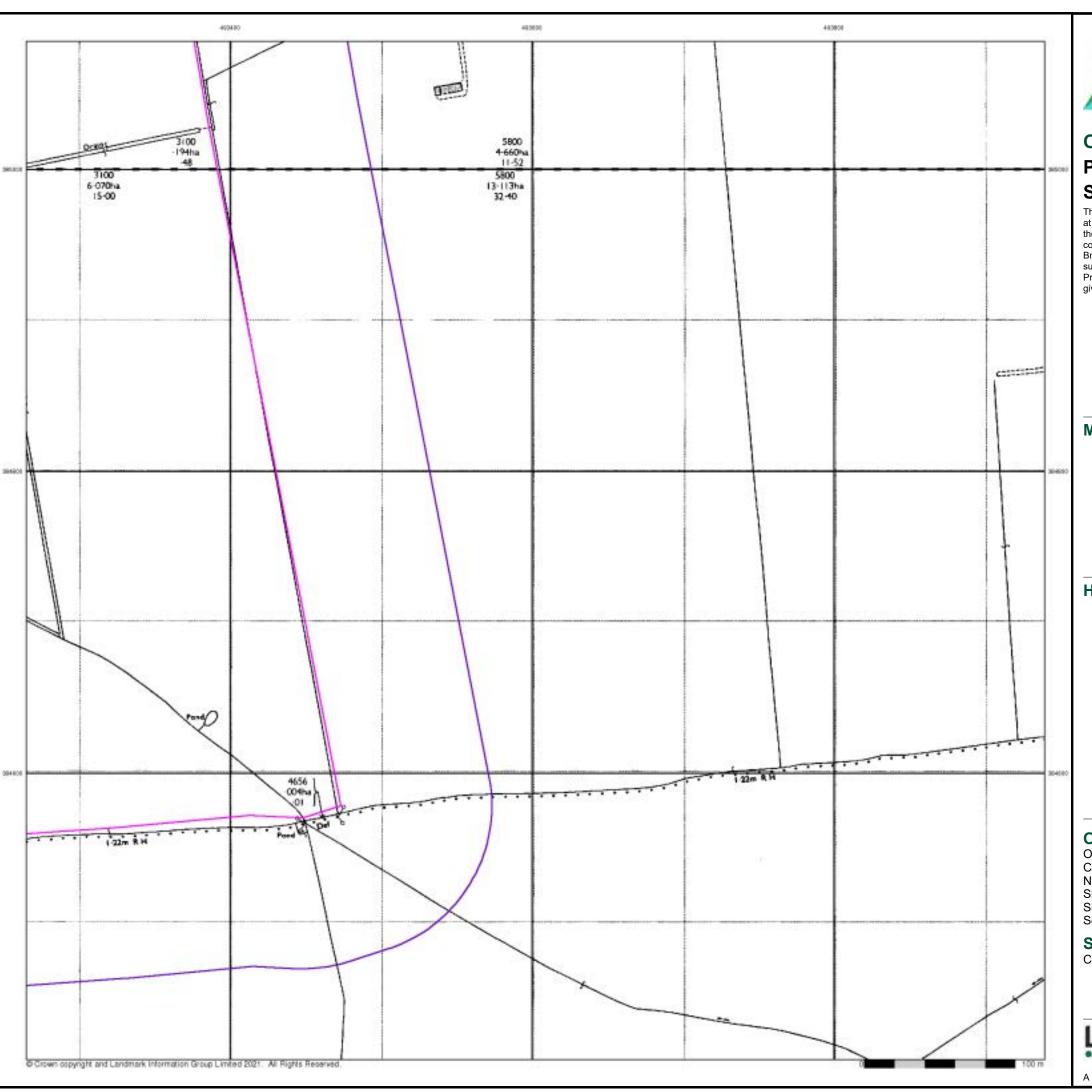
# **Historical Map - Segment E16**



287330989\_1\_1 21-1088.02 National Grid Reference: 492450, 384020

884.45

0844 844 9952

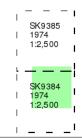




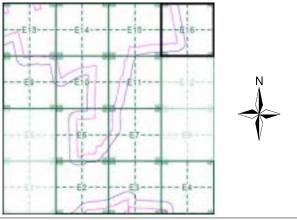
# **Ordnance Survey Plan** Published 1974 Source map scale - 1:2,500

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 surveyes 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 E16**



# **Order Details**

287330989\_1\_1 21-1088.02 Order Number: Customer Ref: National Grid Reference: 492450, 384020

Slice:

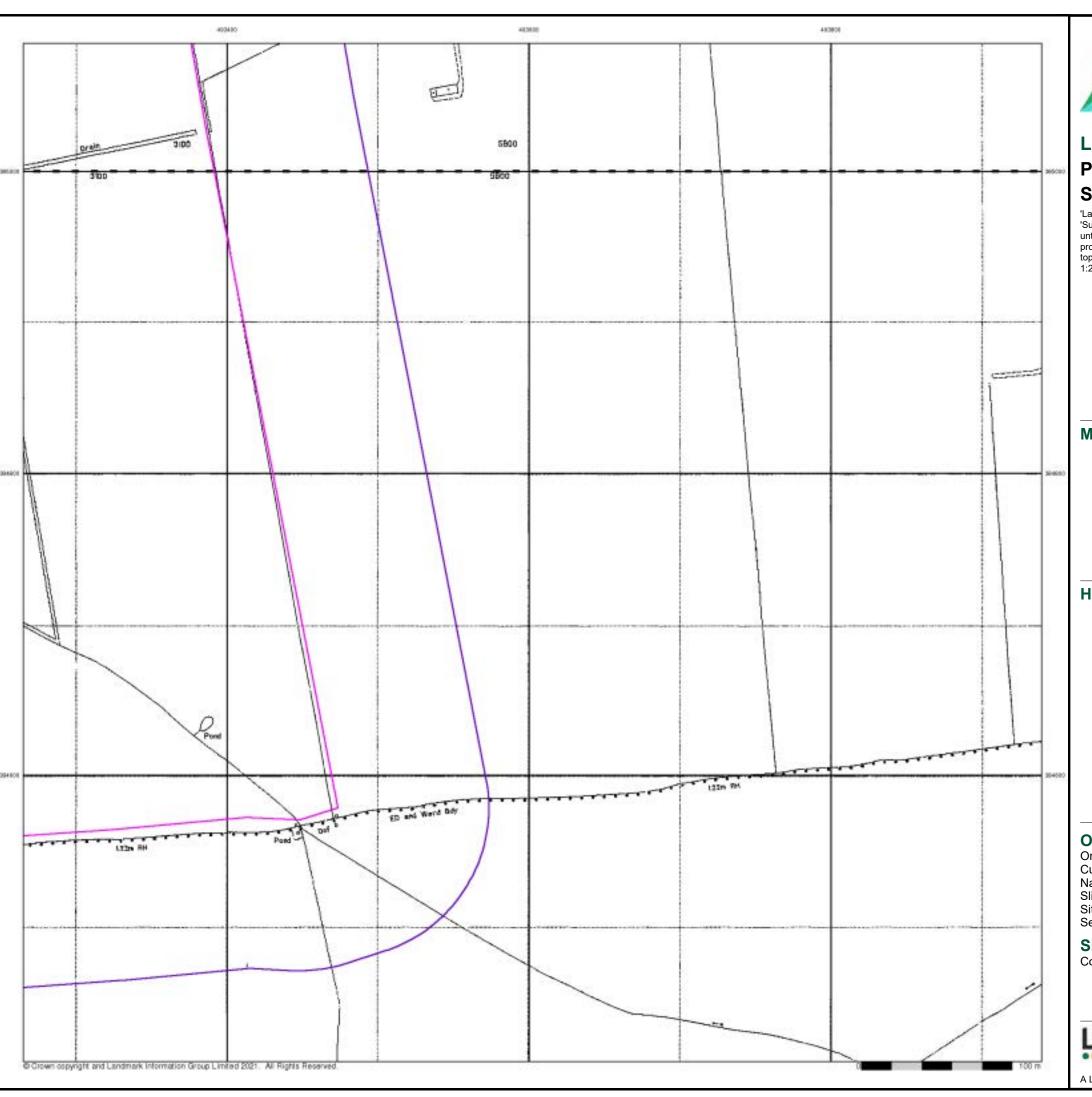
Site Area (Ha): Search Buffer (m): 884.45

# **Site Details**

Cottam 1



0844 844 9952

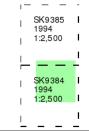




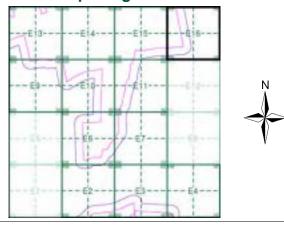
# **Large-Scale National Grid Data** Published 1994 Source map scale - 1:2,500

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

# Map Name(s) and Date(s)



# **Historical Map - Segment E16**



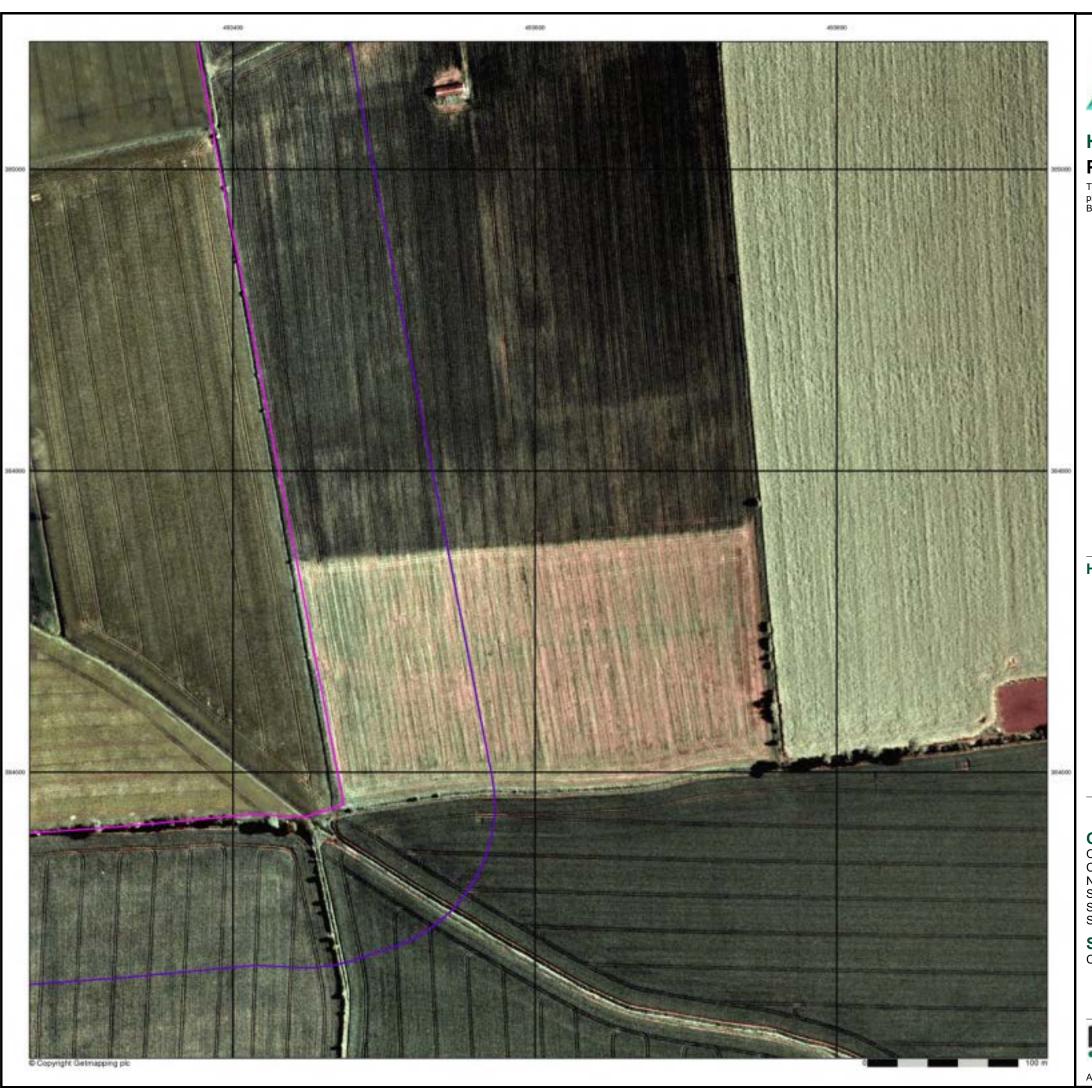
# **Order Details**

287330989\_1\_1 21-1088.02 Order Number: Customer Ref: National Grid Reference: 492450, 384020 Slice: Site Area (Ha): Search Buffer (m): 884.45

**Site Details** Cottam 1



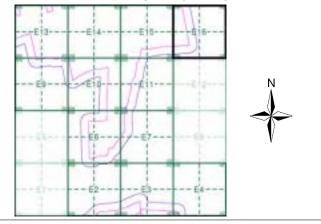
0844 844 9952





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

# **Historical Aerial Photography - Segment E16**



# **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492450, 384020 Slice:

Site Area (Ha): Search Buffer (m): 884.45 100

**Site Details** Cottam 1

Landmark

0844 844 9952 0844 844 9951

A Landmark Information Group Service v50.0 04-Nov-2021 Page 6 of 6

# **Ordnance Survey County Series 1:10,560** Other Gravel Pits Orchard Quarry Reeds Osiers Mixed Wood Brushwood Deciduous Furze Rough Pasture Arrow denotes Trigonometrical flow of water Station Site of Antiquities Bench Mark Pump, Guide Post, Well, Spring, Signal Post **Boundary Post** ·285 Surface Level Sketched Instrumental Contour Contour Fenced Fenced Main Roads Minor Roads Un-Fenced Raised Road Sunken Road Railway over Road over Ri∨er Railway Railway over Level Crossing Road Road over Road over Road over County Boundary (Geographical) County & Civil Parish Boundary Administrative County & Civil Parish Boundary County Borough Boundary (England) Co. Boro. Bdy. County Burgh Boundary (Scotland) Co. Burgh Bdy. Rural District Boundary RD. Bdy.

····· Civil Parish Boundary

# Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry	0000000	Gravel Pit
Sand Pit		Disused Pit or Quarry
Refuse or Slag Heap		Lake, Loch or Pond
Dunes	0000	Boulders
A ↑ ↑ Coniferous Trees	Q Q Q	Non-Coniferous Trees
⇔ ⇔ Orchard በດ_	Scrub	Yn Coppice
ரி Bracken www.	Heath ''	ı , , , Rough Grassland
المال المالية Marsh المالية الم	Reeds -	스 <u>노</u> Saltings
Direct Building	ion of Flow of W	Shingle
Glasshouse	Pylon	Sand
Sloping Masonry	Pole	Electricity Transmission Line
	Foot	Standard Gauge Multiple Track Standard Gauge Single Track Siding, Tramway
	ı	or Mineral Line Narrow Gauge
Geographical Cou	intv	
Administrative Co	-	rough
Municipal Boroug Burgh or District (		al District,
Borough, Burgh o Shown only when no		
Civil Parish Shown alternately wi	hen coincidence of	boundaries occurs
BP, BS Boundary Post or Stone Ch Church CH Club House	PO Po	olice Station ost Office ublic Convenience
F E Sta Fire Engine Station		ublic House
FB Foot Bridge		gnal Box
Fn Fountain	Spr Sp	oring

GP

**Guide Post** 

Mile Post

Mile Stone

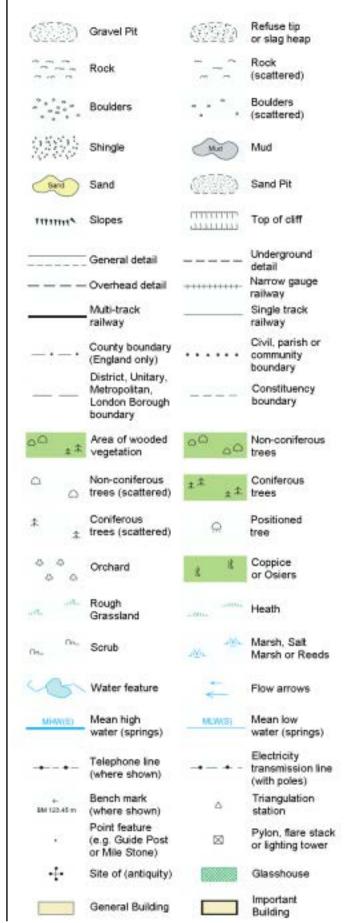
TCB

TCP

Telephone Call Box

Telephone Call Post

# 1:10,000 Raster Mapping

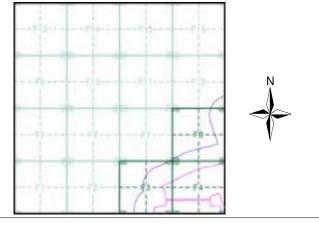




# **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:10,560	1885	2
Lincolnshire	1:10,560	1907	3
Lincolnshire	1:10,560	1907	4
Lincolnshire	1:10,560	1947	5
Ordnance Survey Plan	1:10,000	1956	6
Ordnance Survey Plan	1:10,000	1970 - 1979	7
Ordnance Survey Plan	1:10,000	1980	8
10K Raster Mapping	1:10,000	2000	9
10K Raster Mapping	1:10,000	2006	10
VectorMap Local	1:10,000	2021	11

# **Historical Map - Slice F**



### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 490790, 385540

Slice:

Site Area (Ha): 884.45 Search Buffer (m): 250

Site Details

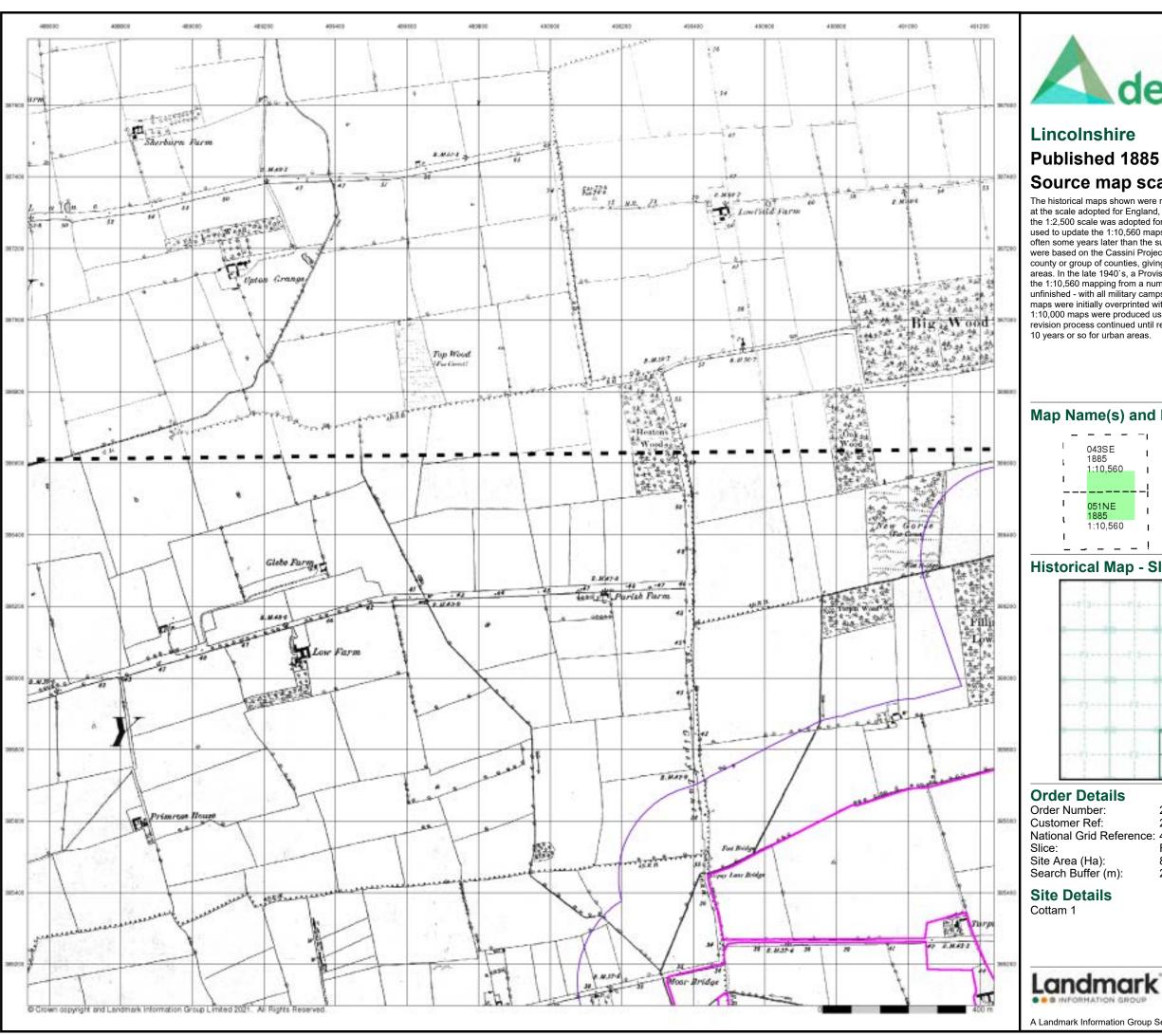
Cottam 1



el: 0 ax: 0

0844 844 9952 0844 844 9951

A Landmark Information Group Service v50.0 04-Nov-2021 Page 1 of 11



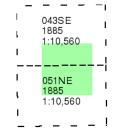


# Lincolnshire

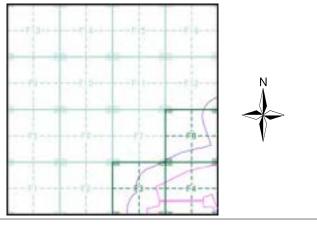
# Source map scale - 1:10,560

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 F**



### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 490790, 385540

Slice:

Site Area (Ha): 884.45 Search Buffer (m): 250

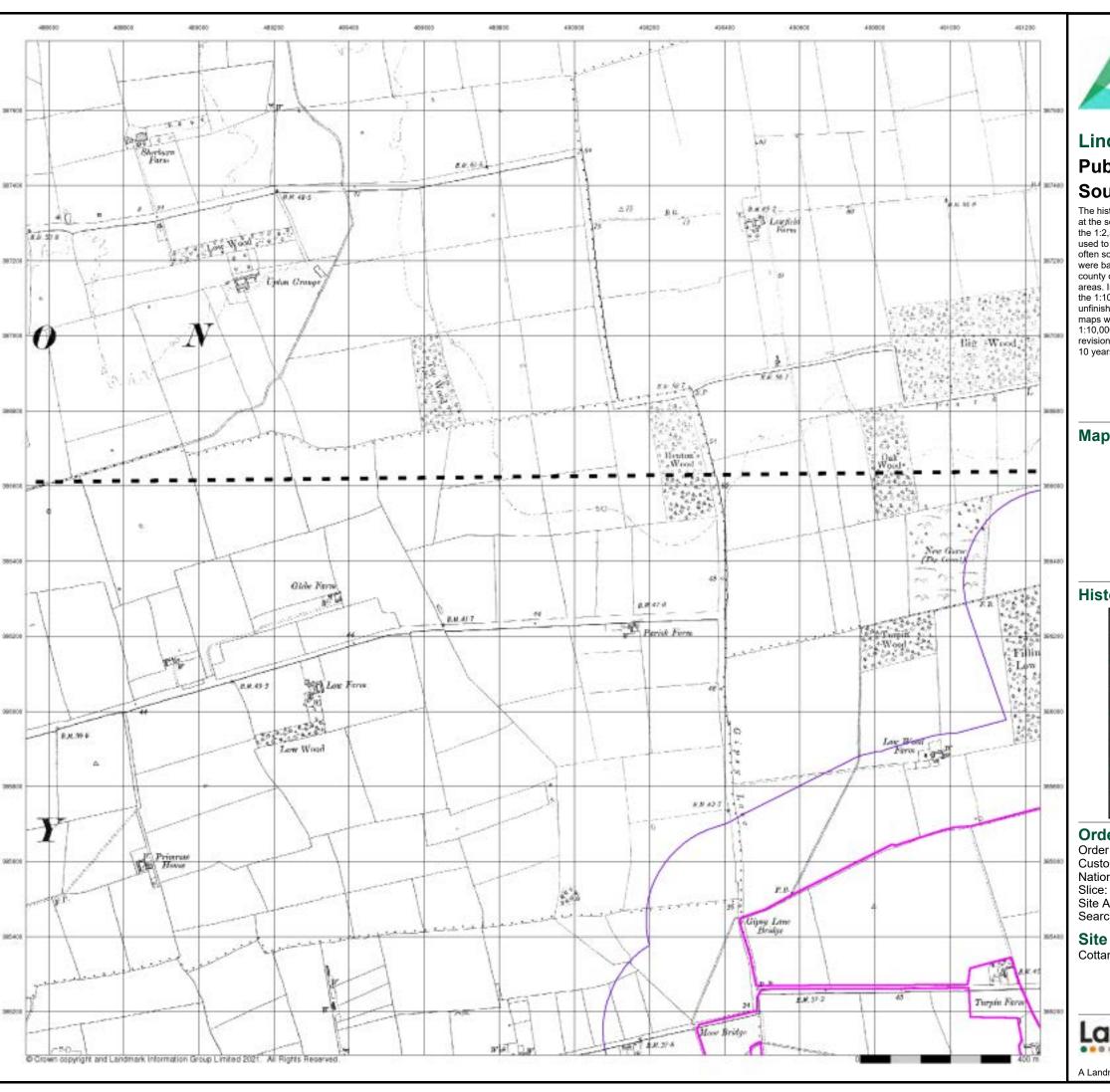
# **Site Details**

Cottam 1



0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021 Page 2 of 11

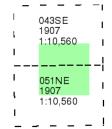




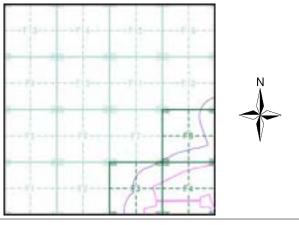
# Lincolnshire **Published 1907** Source map scale - 1:10,560

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 F**



### **Order Details**

Order Number: 287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 490790, 385540

Site Area (Ha): Search Buffer (m): 884.45 250

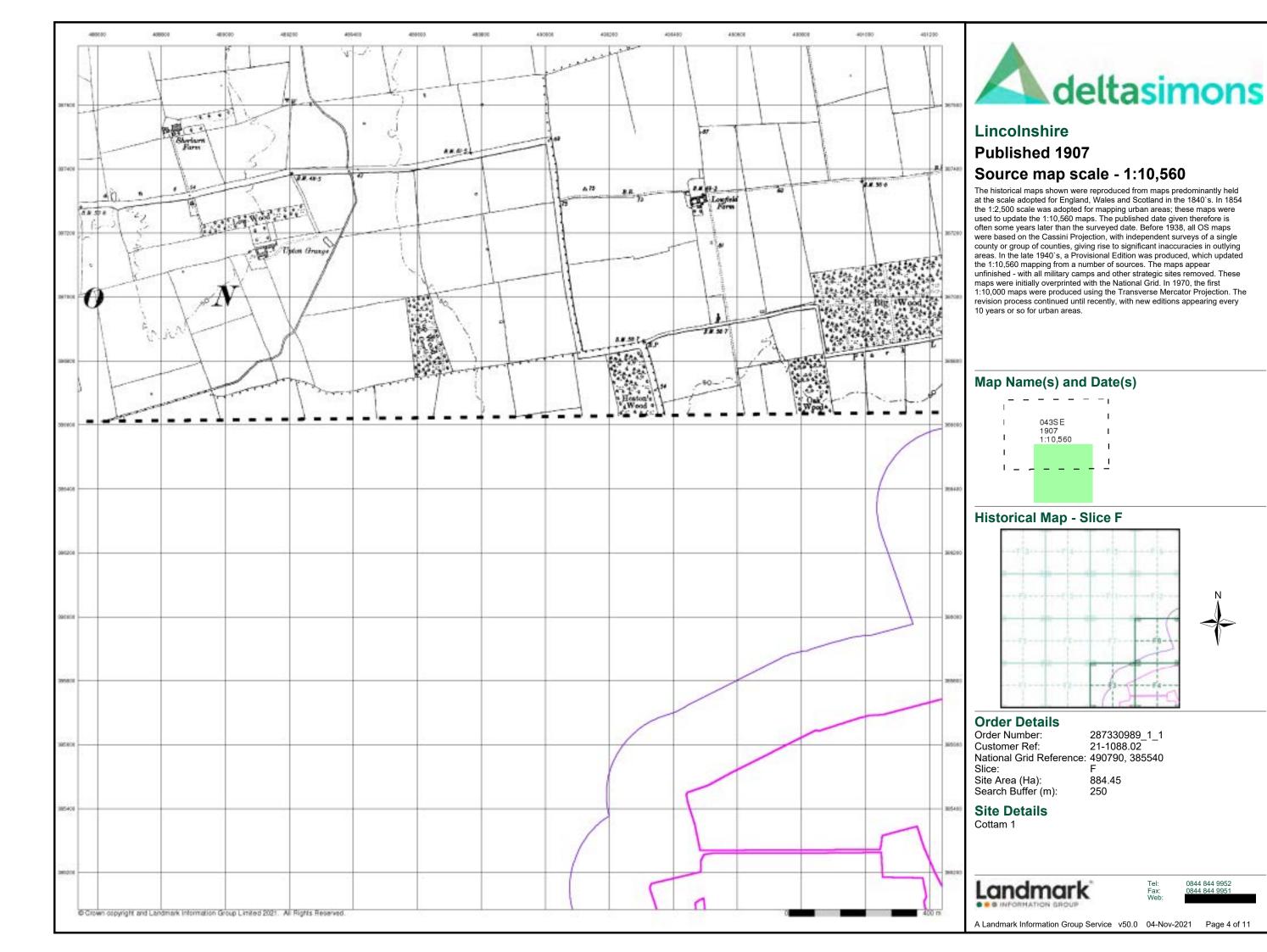
# **Site Details**

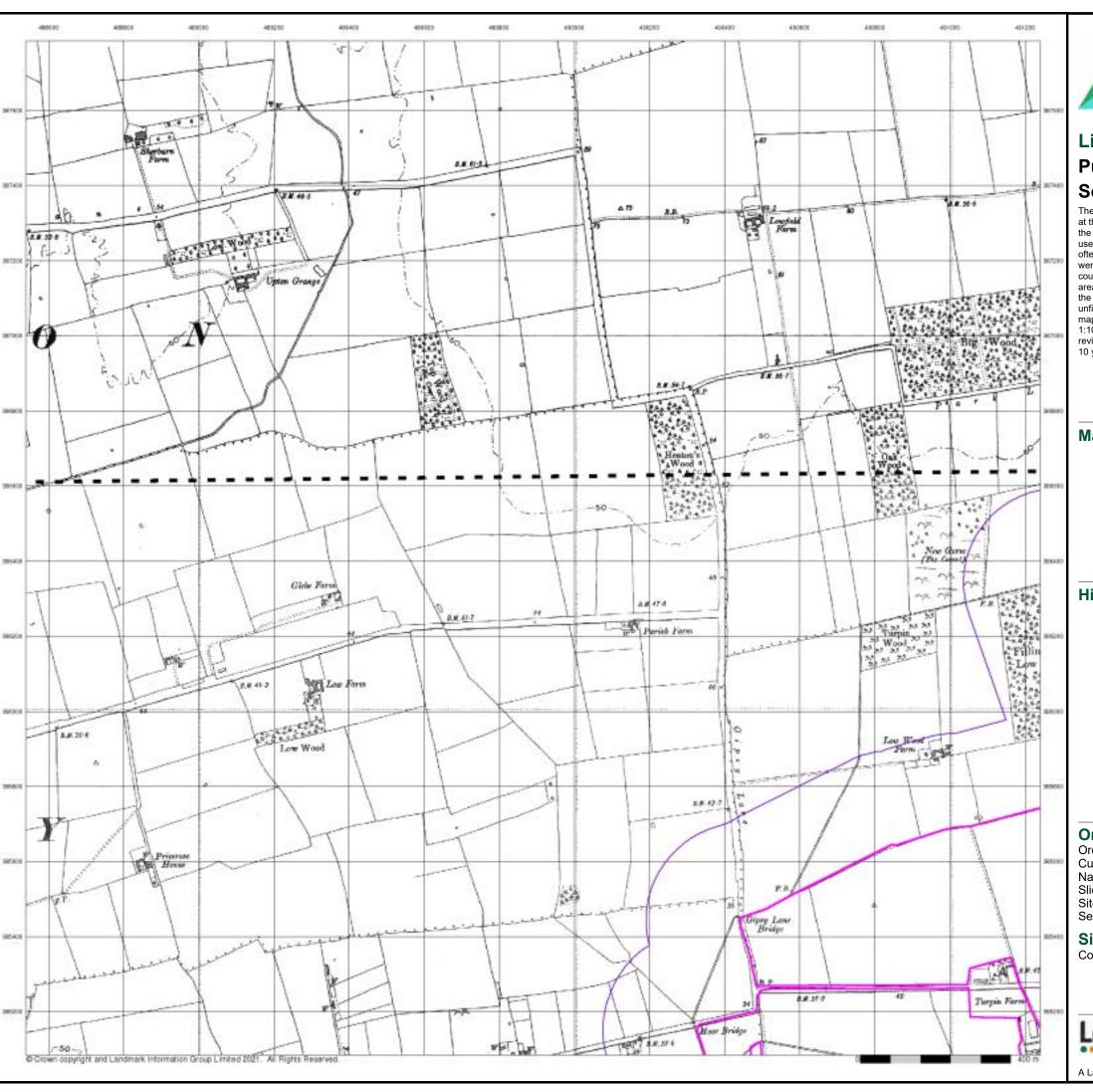
Cottam 1



0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021 Page 3 of 11





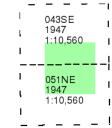


# Lincolnshire

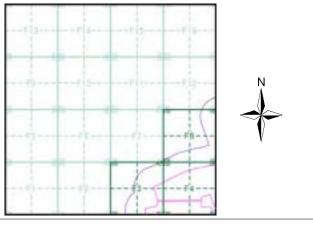
# Published 1947 Source map scale - 1:10,560

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 F**



### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 490790, 385540

Slice:

Site Area (Ha): 884.45 Search Buffer (m): 250

# **Site Details**

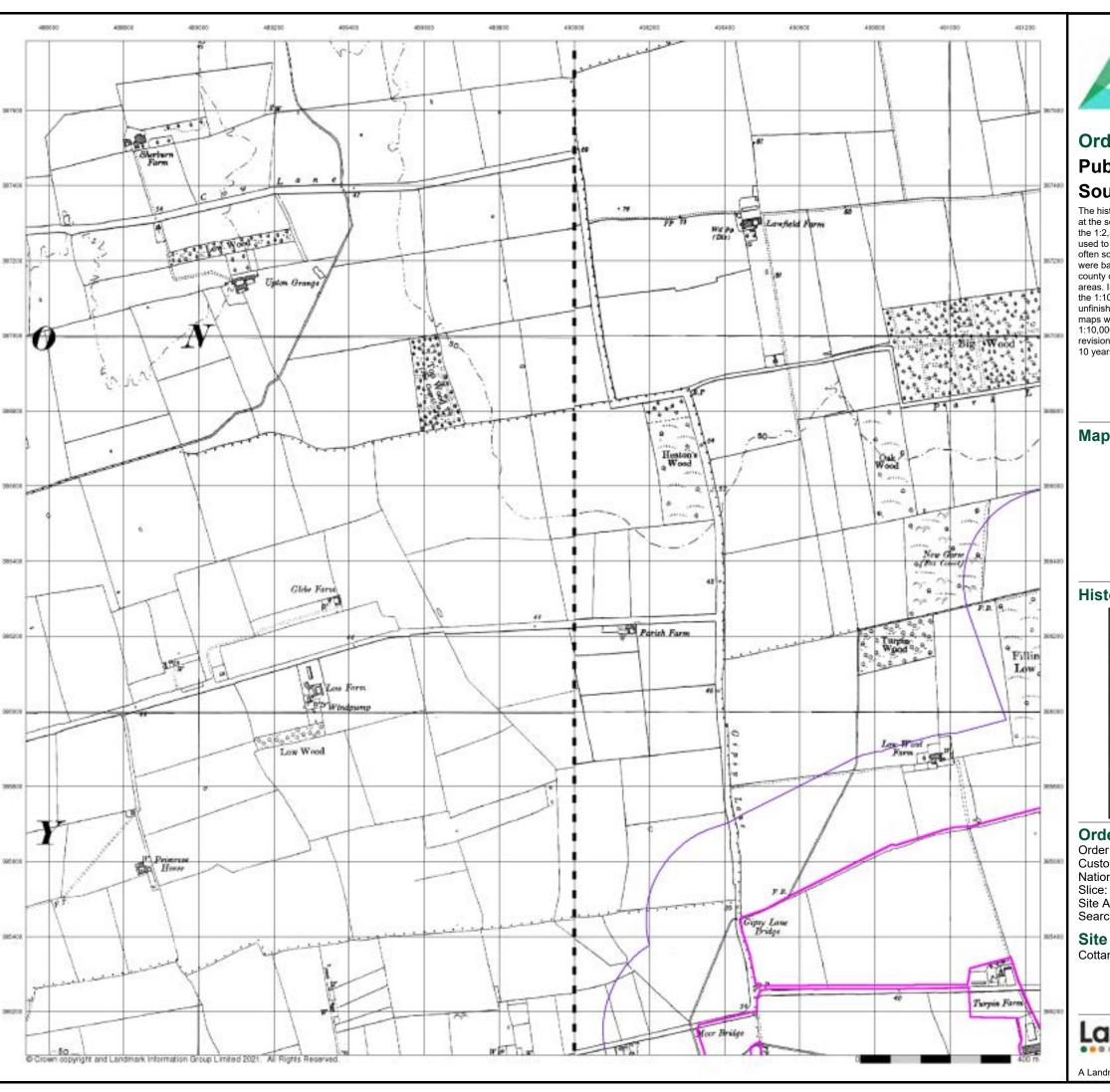
Cottam 1



Tel: Fax: Web:

0844 844 9952 0844 844 9951

A Landmark Information Group Service v50.0 04-Nov-2021 Page 5 of 11

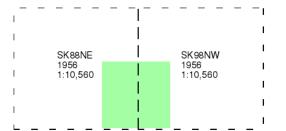




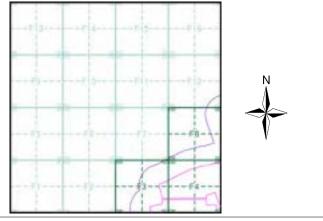
# **Ordnance Survey Plan** Published 1956 Source map scale - 1:10,000

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 F**



### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 490790, 385540

Site Area (Ha): Search Buffer (m): 884.45

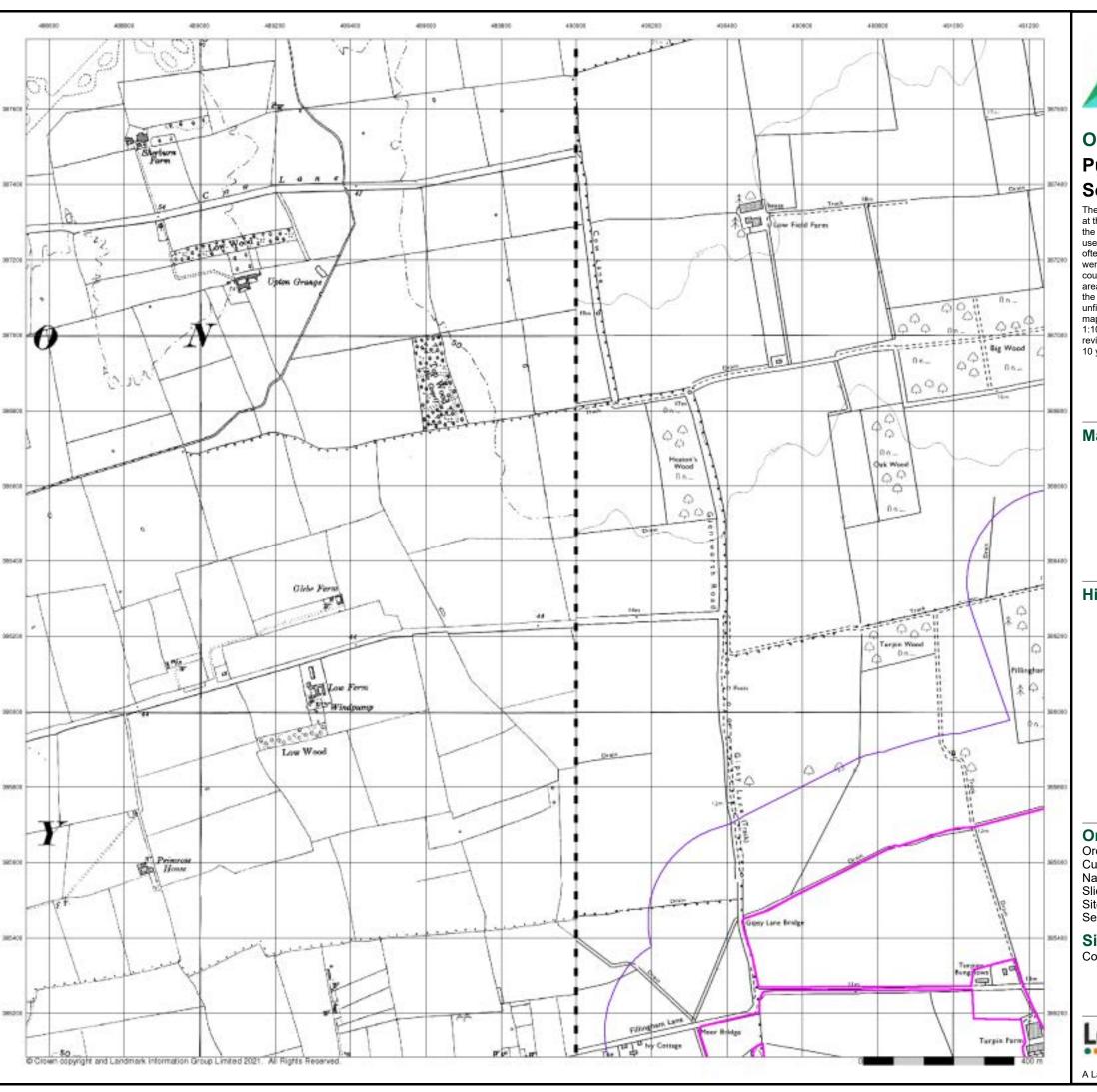
# **Site Details**

Cottam 1



0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021 Page 6 of 11

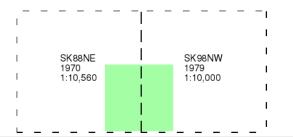




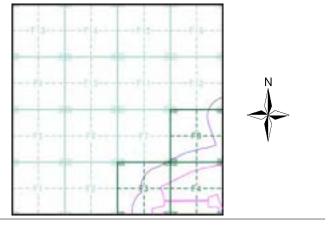
# Ordnance Survey Plan Published 1970 - 1979 Source map scale - 1:10,000

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 F**



### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 490790, 385540

Slice:

Site Area (Ha): 884.45 Search Buffer (m): 250

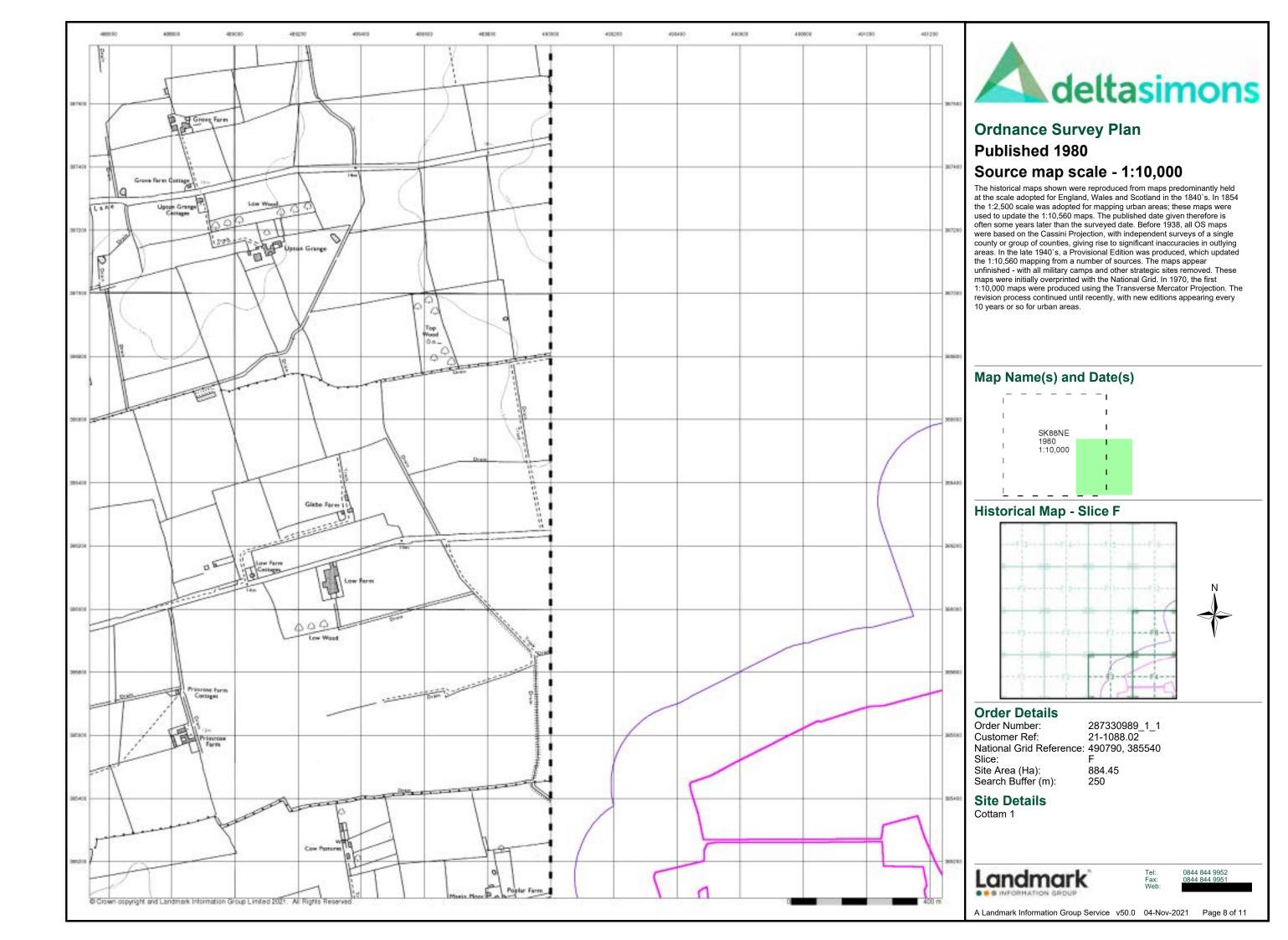
# **Site Details**

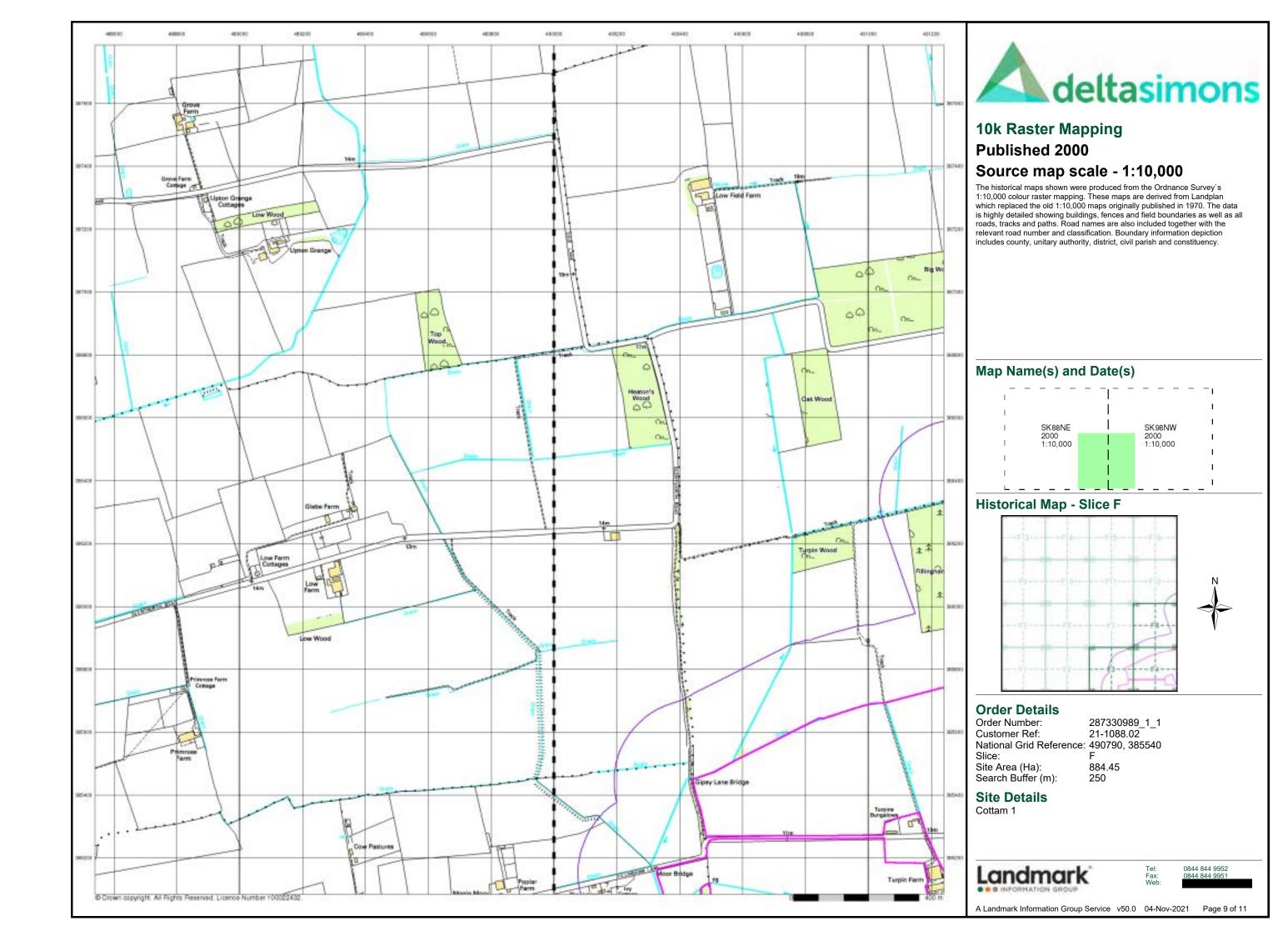
Cottam 1

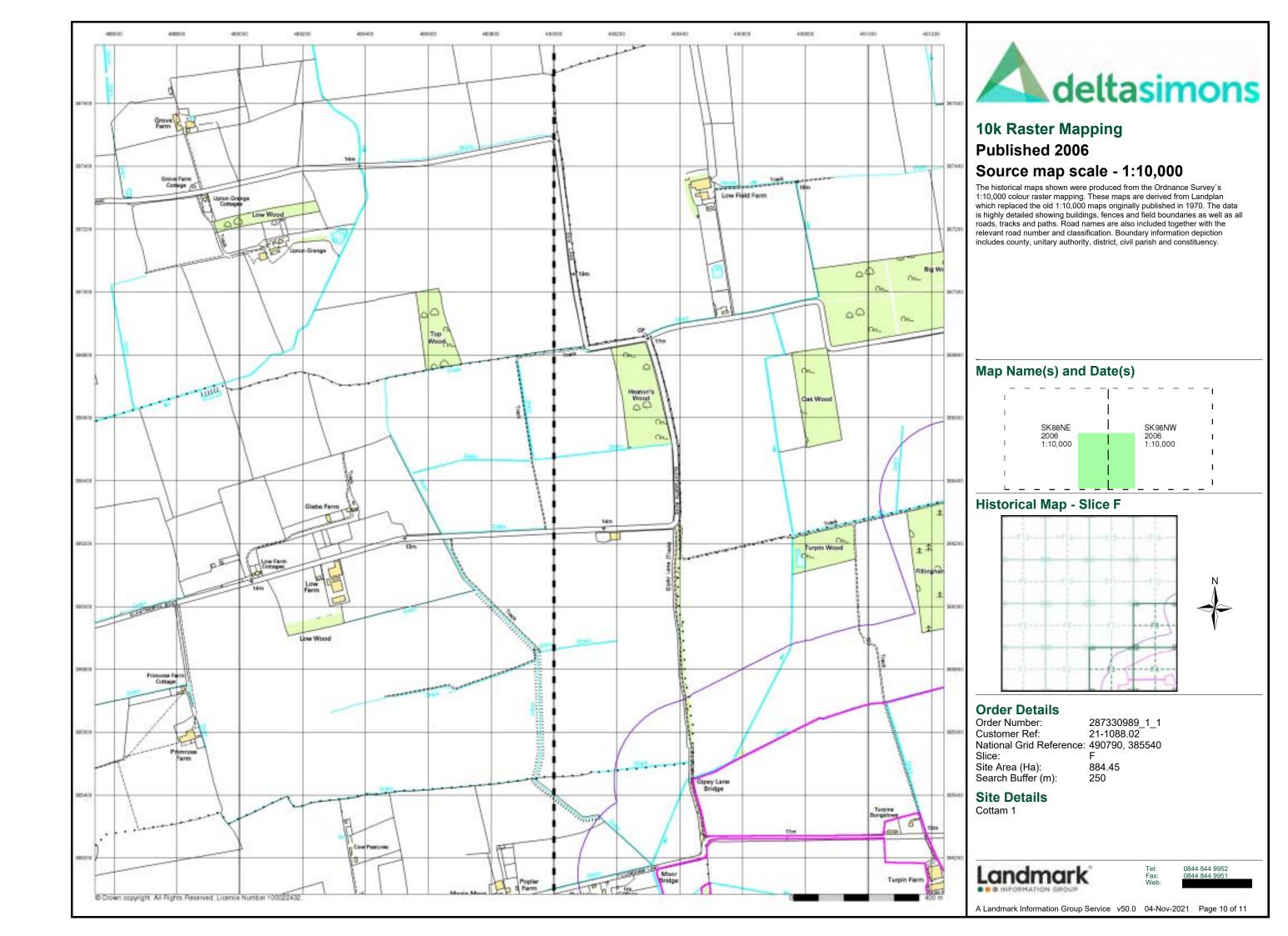


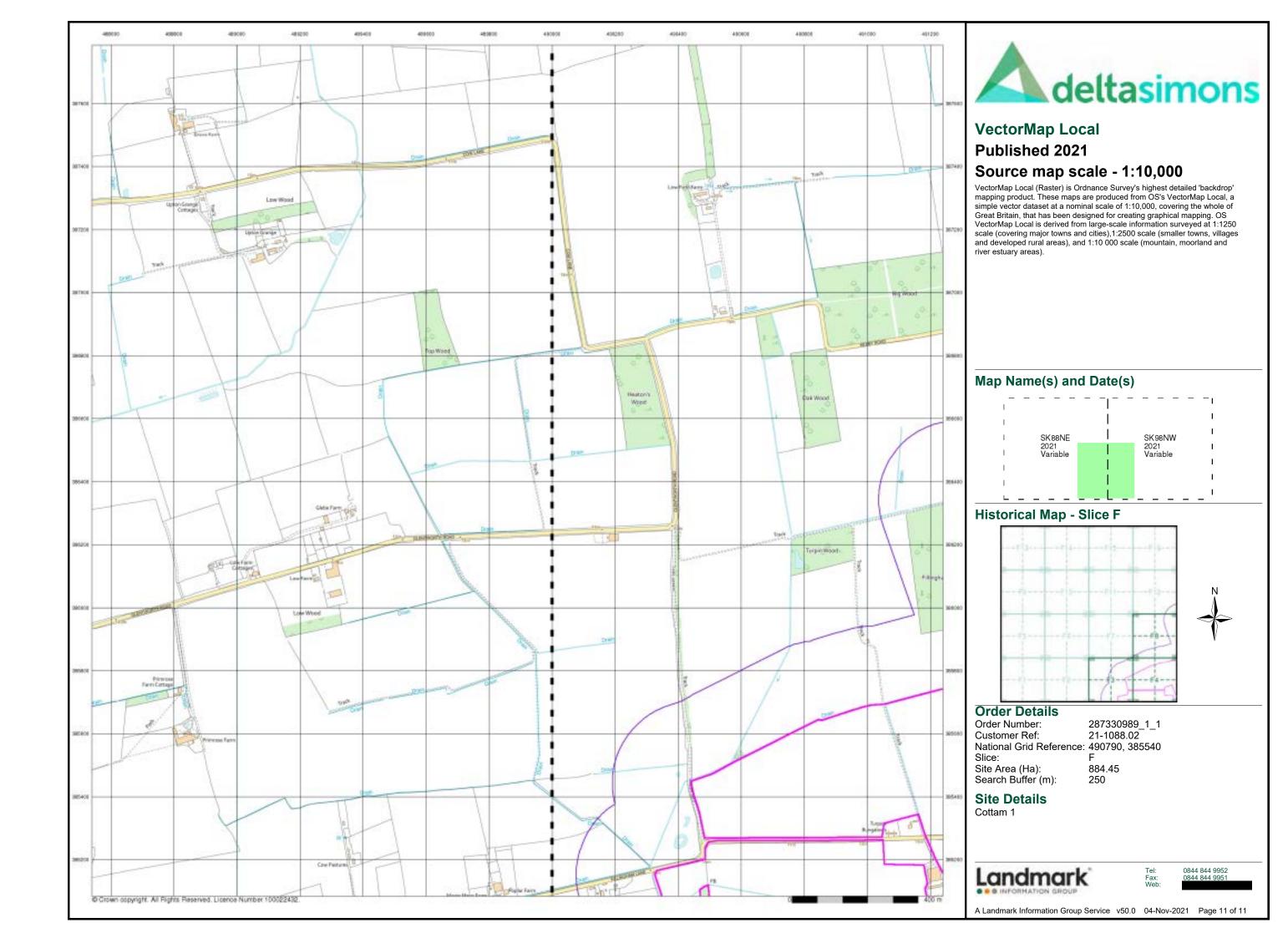
: 0844 844 9952 C: 0844 844 9951

A Landmark Information Group Service v50.0 04-Nov-2021 Page 7 of 11

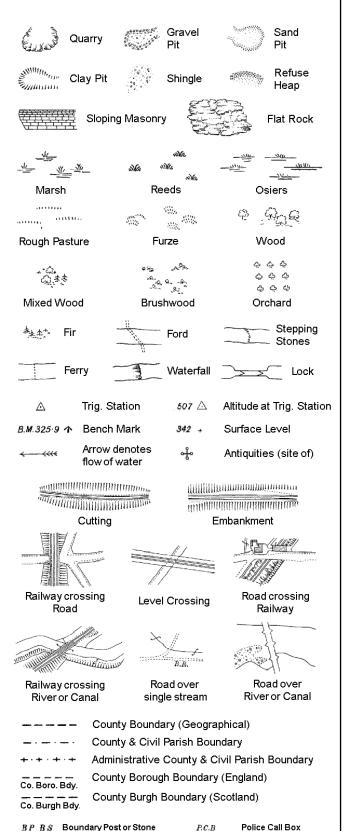








#### **Ordnance Survey County Series and** Ordnance Survey Plan 1:2,500



Pump

Sluice

Spring

Trough Well

Signal Post

Telephone Call Box

S.P

Sl.

Tr:

B.R.

EP

F.B.

M.S

Bridle Road

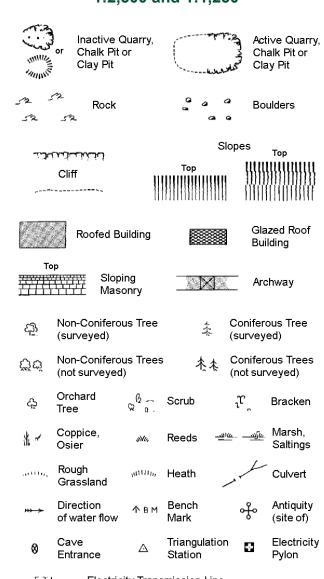
Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

#### Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



**Electricity Transmission Line** 

County Boundary (Geographical) County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary mereing changes

14			
вн	Beer House	Р	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
EIP	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
Н	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

# 1:1,250

لخنبانيات				Slopes	Тор
			Тор	III	muumm
	Cliff	111	[] [ [ ] [ ] [ ] [ ] [ ] [ ] [ ]	mn - 111	JJJJ11JJJJJJJJ
		111			
Da	Rock		52	Rock	(scattered)
$\Box$	Boulders		0	Bould	lers (scattered)
	Positioned	Boulder		Scree	e
ফ্র	Non-Conif (surveyed	erous Tree )	#	•	erous Tree eyed)
Öΰ	Non-Conif (not surve	erous Trees yed)	木	.A.	erous Trees aurveyed)
දා	Orchard Tree	Q 6 a.	Scrub	'n.	Bracken
* ~	Coppice, Osier	sNo,	Reeds	<u>-111166 — </u>	Marsh, Saltings
actities,	Rough Grassland	unn,	Heath		Culvert
<del>››&gt; &gt;</del>	Direction of water fl	Δ ow	Triangula Station	ation of	Antiquity (site of)
E <u>T</u> L	_ Electric	ity Transmi	ssion Line	<b>&gt;</b>	Electricity Pylon
\ <del> </del>	231.6úm E	Bench Mark		Build Build	dings with ding Seed
	Roofe	ed Building			Glazed Roof Building
		Civil parish	Jaammun	ity bounds	ari.
· <u>-</u>		District bo		ity bounde	y
			-		
_ •		County bo			
4		Boundary	ost/stone	•	
×	>	Boundary always apport always apport (a)	-	•	te: these ·s or groups
Bks	Barracks		Р	Pillar,	Pole or Post
Bty	Battery		PO	Post	Office
Cemy	Cemetery		PC	Publi	c Convenience
Chy	Chimney		Pp	Pump	
Cis	Cistern		Ppg \$		oing Station
Dismtd F	•	tled Railway	PW		ofWorship
El Gen S	ta Electric Station	ity Generating	Sewa	age Ppg Sta	Sewage Pumping Station
EIP	Electricity	Pole, Pillar	SB, S	Br Signa	al Box or Bridge
El Sub S	ta Electricity	Sub Station	SP, S	L Sign:	al Post or Light
FB	Filter Bed		Spr	Sprin	ıg
Fn / D Fr	n Fountain /	Drinking Ftn.	Tk	Tank	orTrack
Gas Gov	Gae Value	Compound	Tr	Trou	nh

Gas Valve Compound

Mile Post or Mile Stone

Gas Governer

**Guide Post** 

Manhole

GVC

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Wd Pp

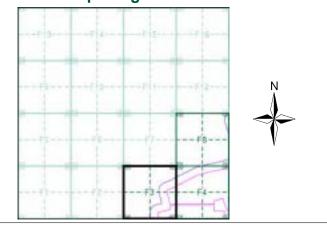
Wks



#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1972 - 1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

#### **Historical Map - Segment F3**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 **Customer Ref:** National Grid Reference: 490790, 385540 Slice:

Site Area (Ha):

884.45 Search Buffer (m):

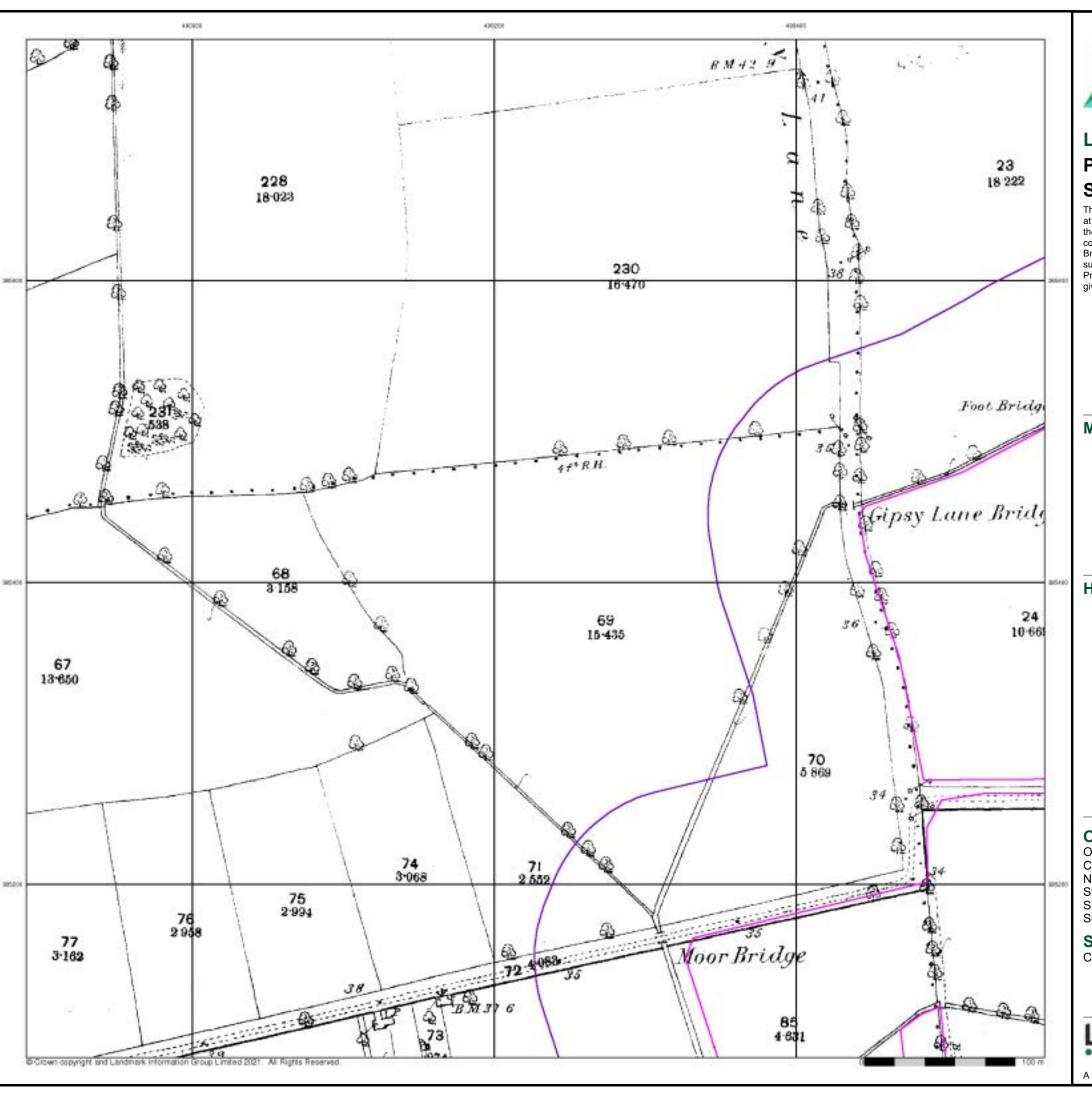
**Site Details** 

Cottam 1



0844 844 9952

Page 1 of 6



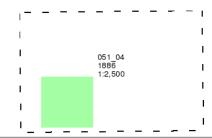


#### Lincolnshire

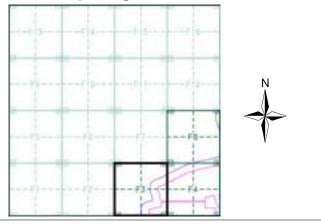
### Published 1886 Source map scale - 1:2,500

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 F3**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 490790, 385540

Slice:

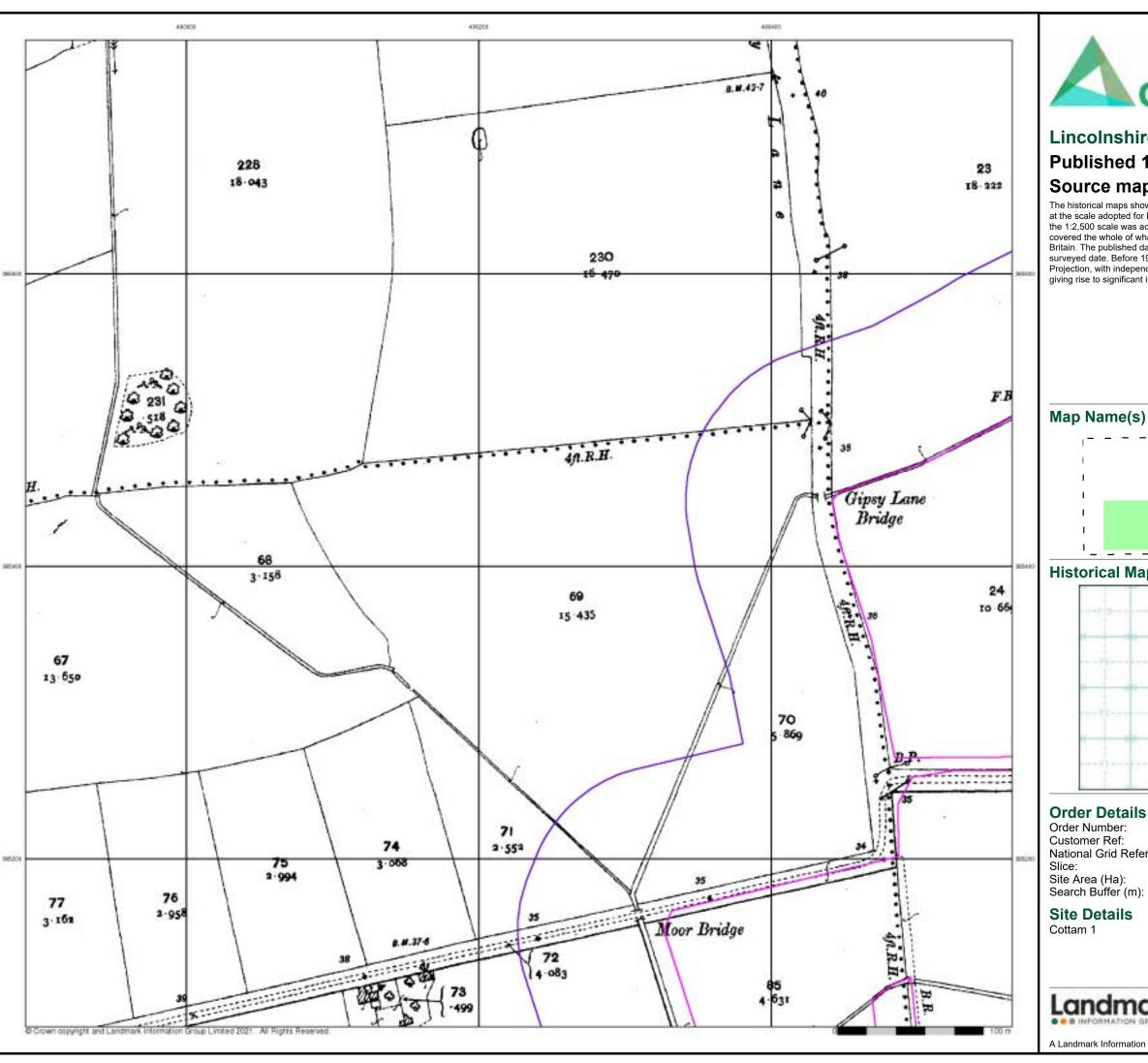
Site Area (Ha): Search Buffer (m): 884.45

#### **Site Details**

Cottam 1



0844 844 9952



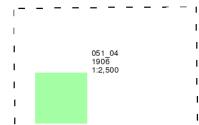


#### Lincolnshire

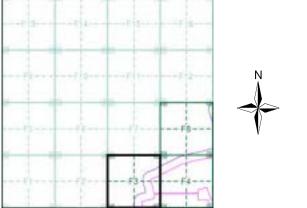
### Published 1906 Source map scale - 1:2,500

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 F3**



287330989\_1\_1 21-1088.02 National Grid Reference: 490790, 385540

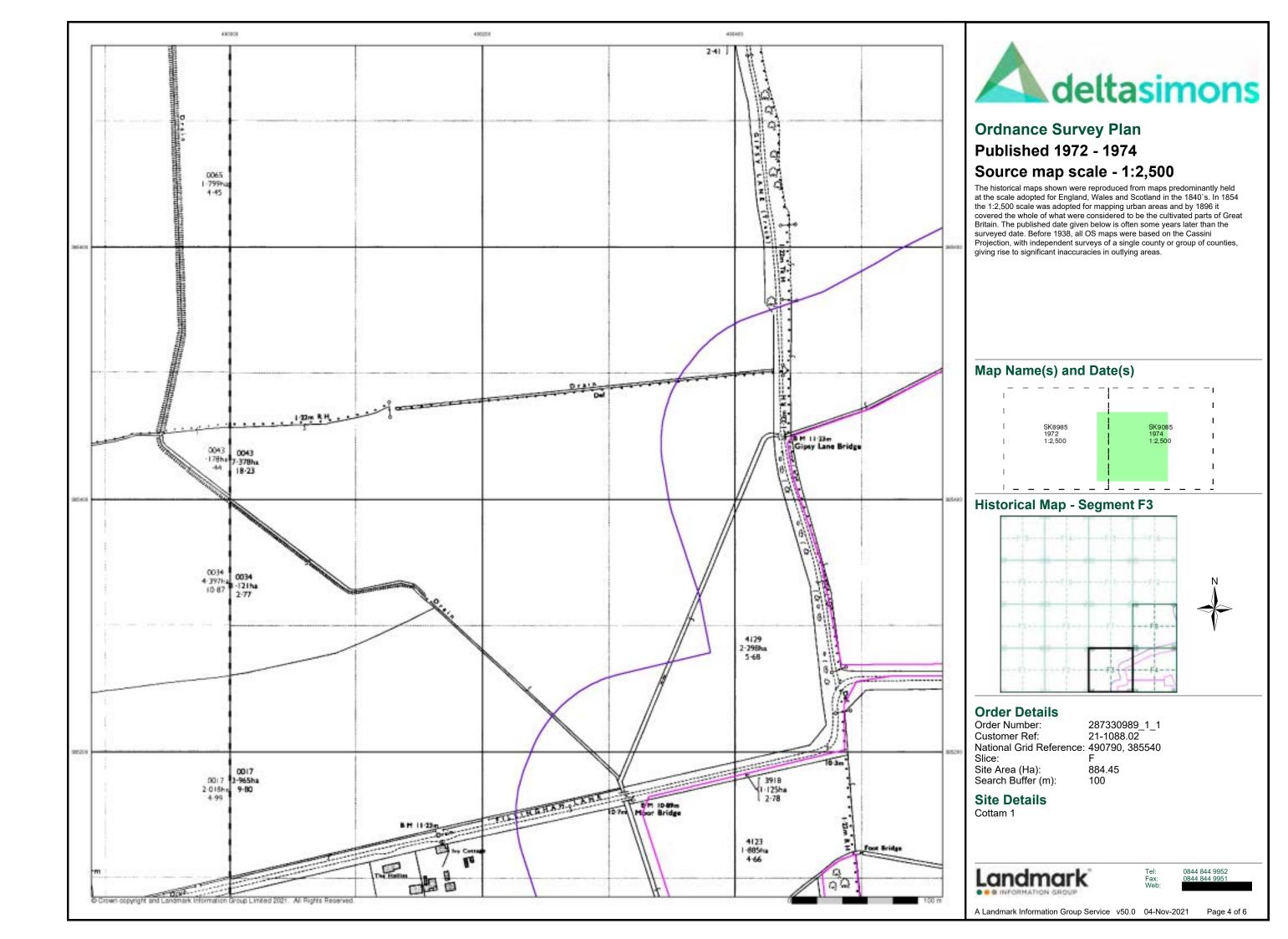
884.45

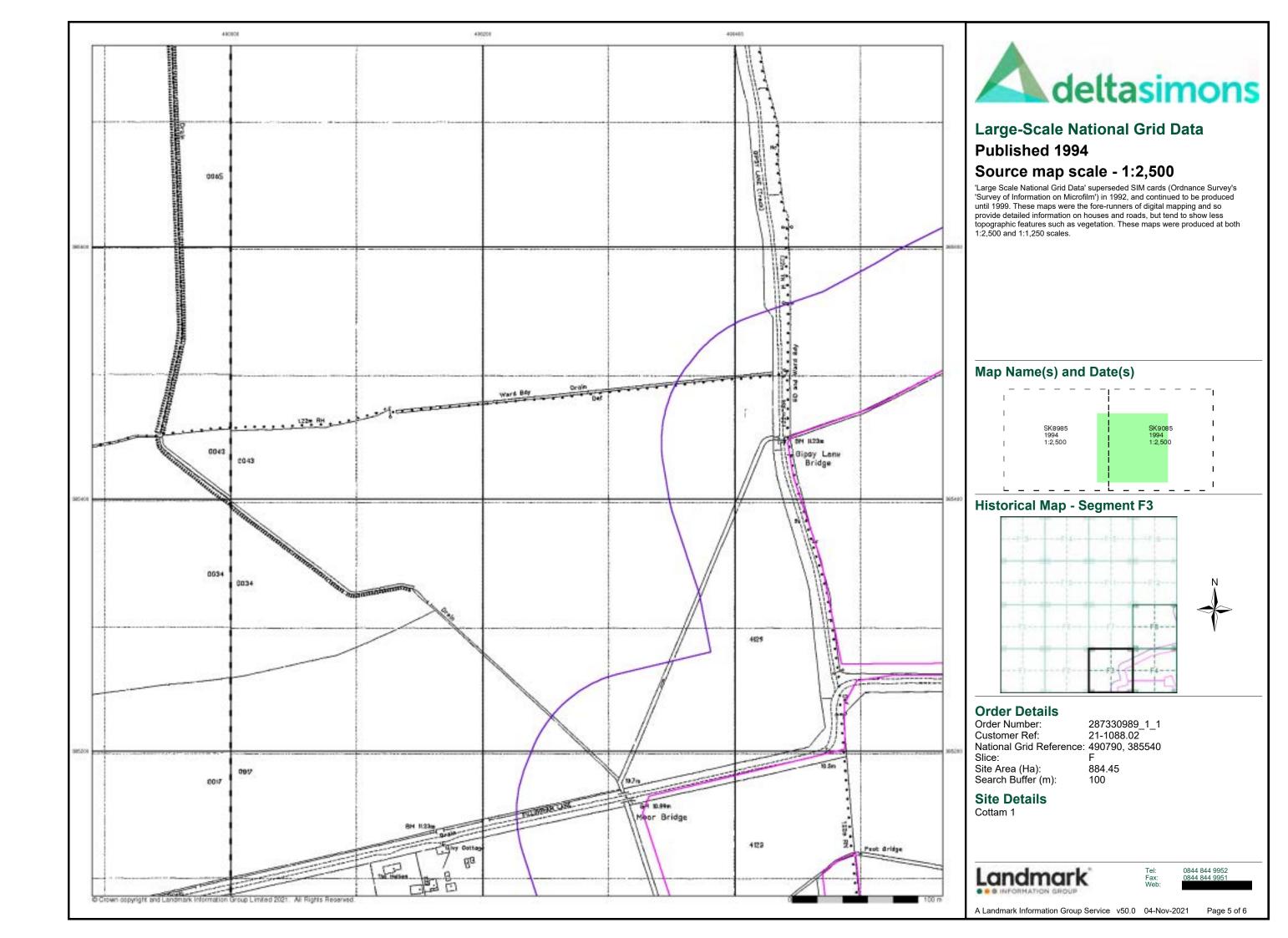


0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021

Page 3 of 6



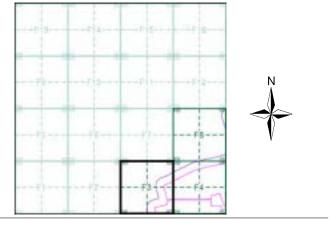






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

#### **Historical Aerial Photography - Segment F3**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 490790, 385540

Slice:

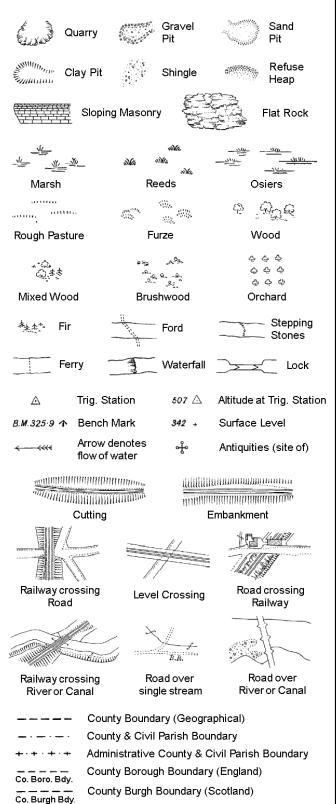
Site Area (Ha): Search Buffer (m): 884.45 100

**Site Details** 

Cottam 1

Landmark

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



B.R.

E.P

F.B.

M.S

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Guide Post or Board

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

Trough

Well

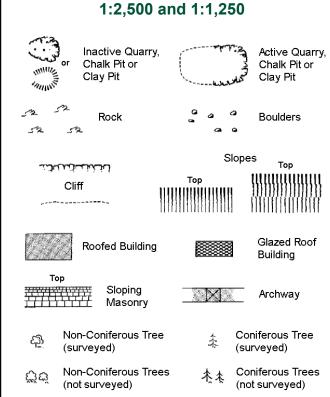
S.P

T.C.B

Sl.

 $T_T$ 

Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 



Orchard ွင့် Scrub Bracken డ్తి Marsh, Coppice, Reeds Saltings Rough Culvert Grassland Direction Bench Antiquity of water flow (site of) Electricity Cave Triangulation Entrance

ETL Electricity Transmission Line				
	County Boundary (Geographical)			
	County & Civil Parish Boundary			
	Civil Parish Boundary			
· <del></del> · ·	Admin. County or County Bor. Boundary			
L B Bdy 	London Borough Boundary			
P. S.	Symbol marking point where boundary mereing changes			
	D. Billow Bala av Bant			

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

GVC

MP, MS

Gas Governer

Mile Post or Mile Stone

**Guide Post** 

Manhole

Wd Pp

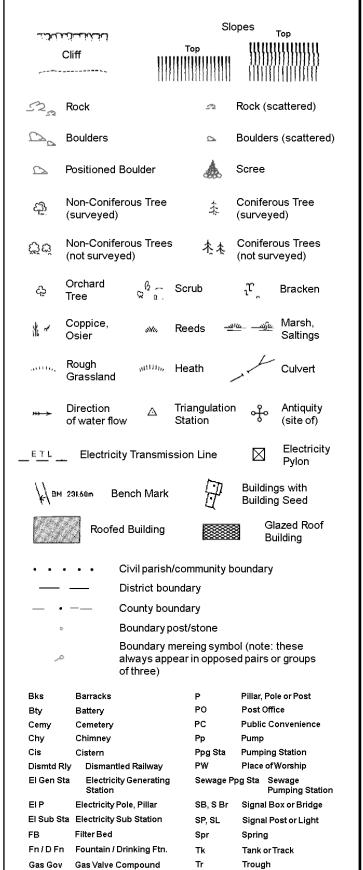
Wks

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

# 1:1,250

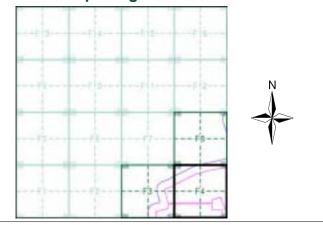




#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

#### **Historical Map - Segment F4**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 **Customer Ref:** National Grid Reference: 490790, 385540

Slice:

884.45 Site Area (Ha): Search Buffer (m): 100

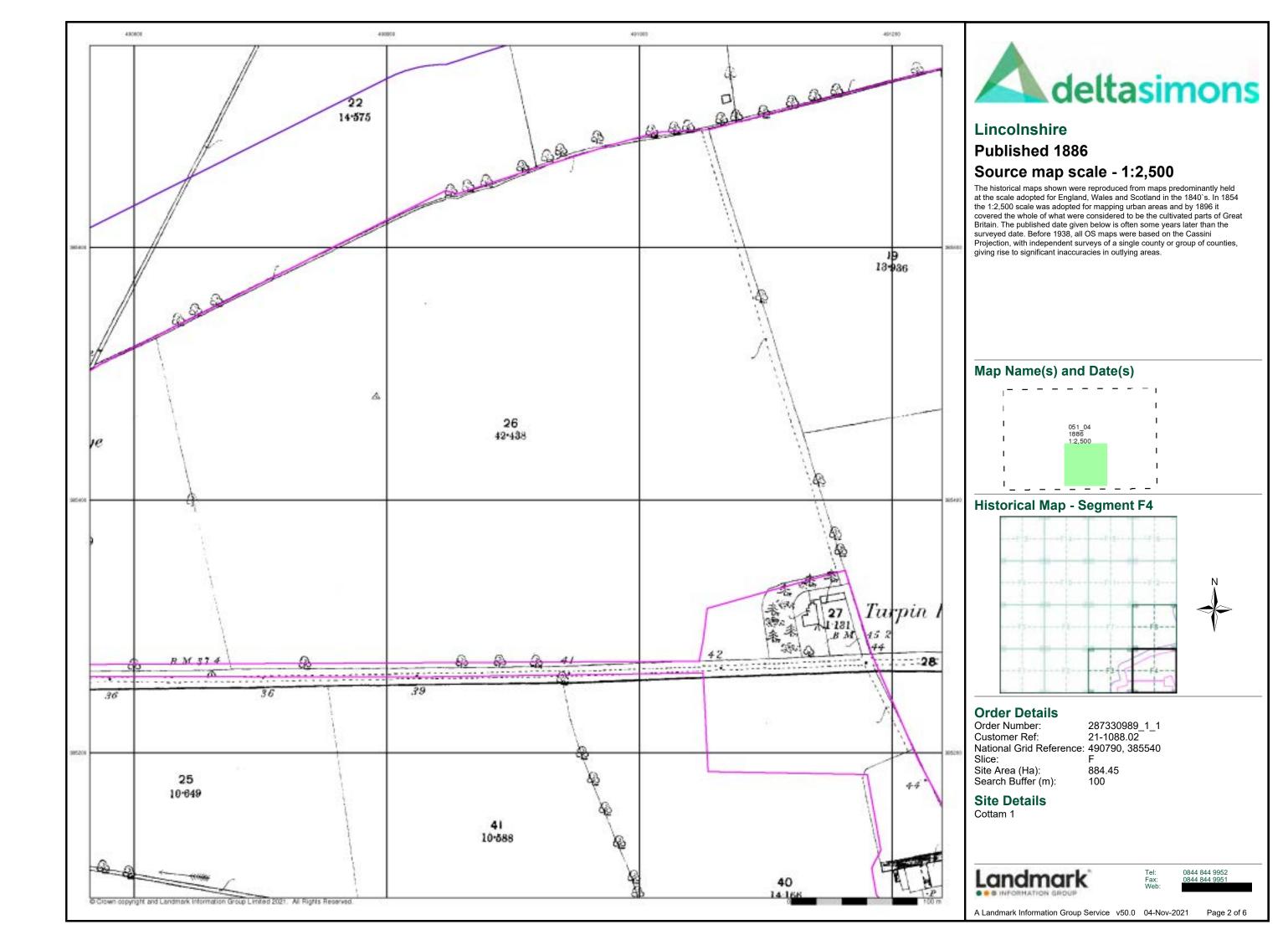
#### **Site Details**

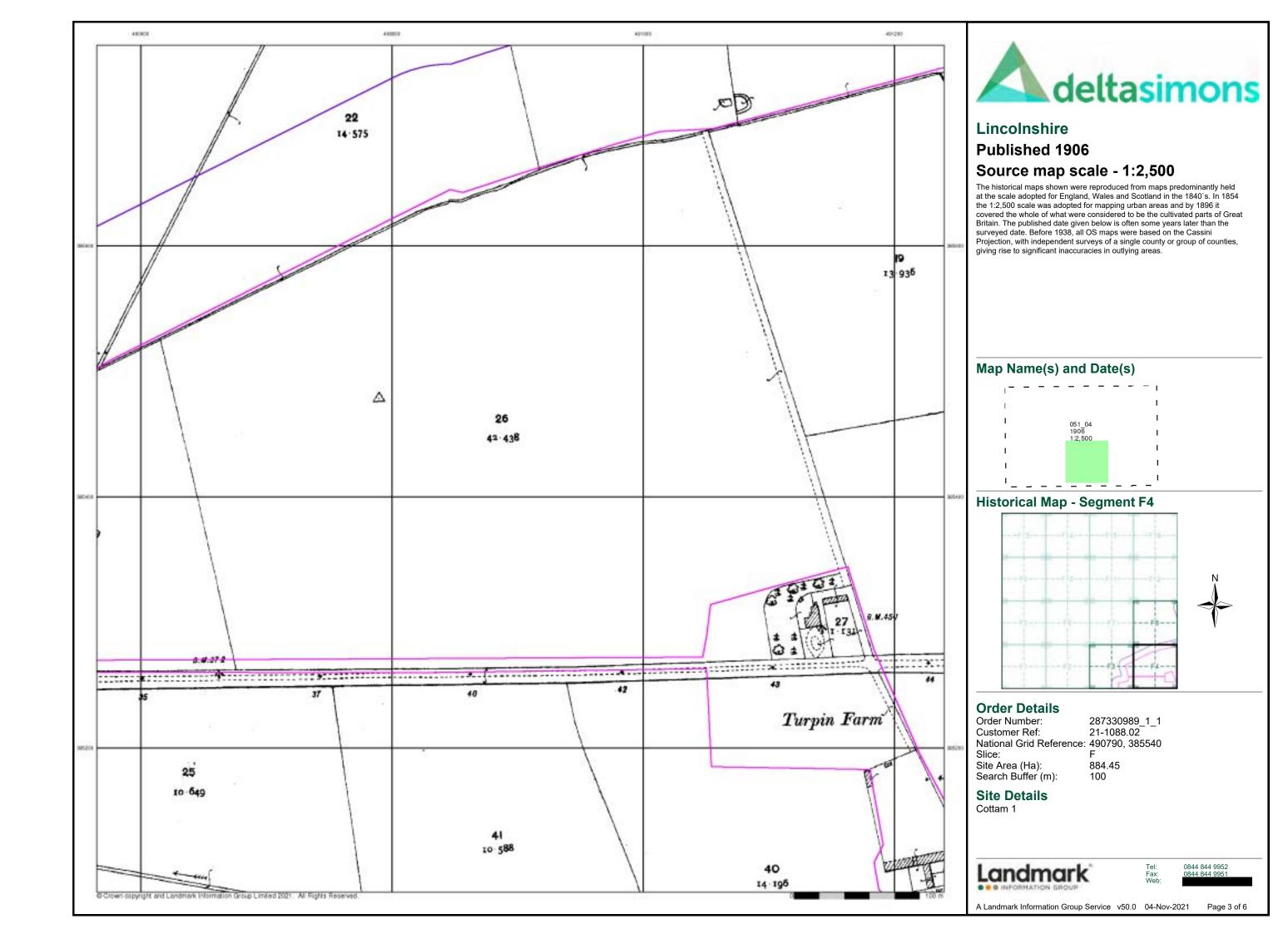
Cottam 1

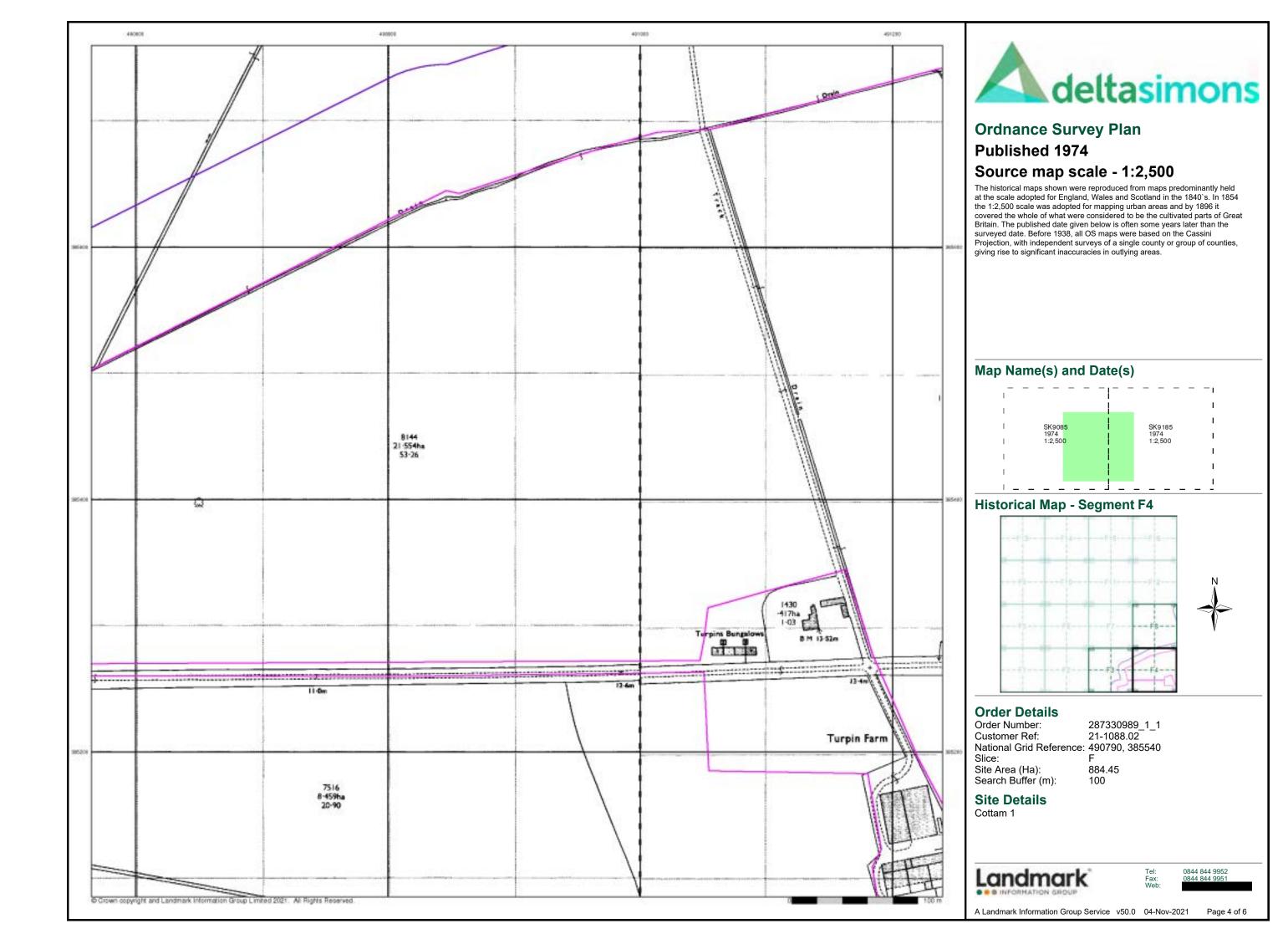


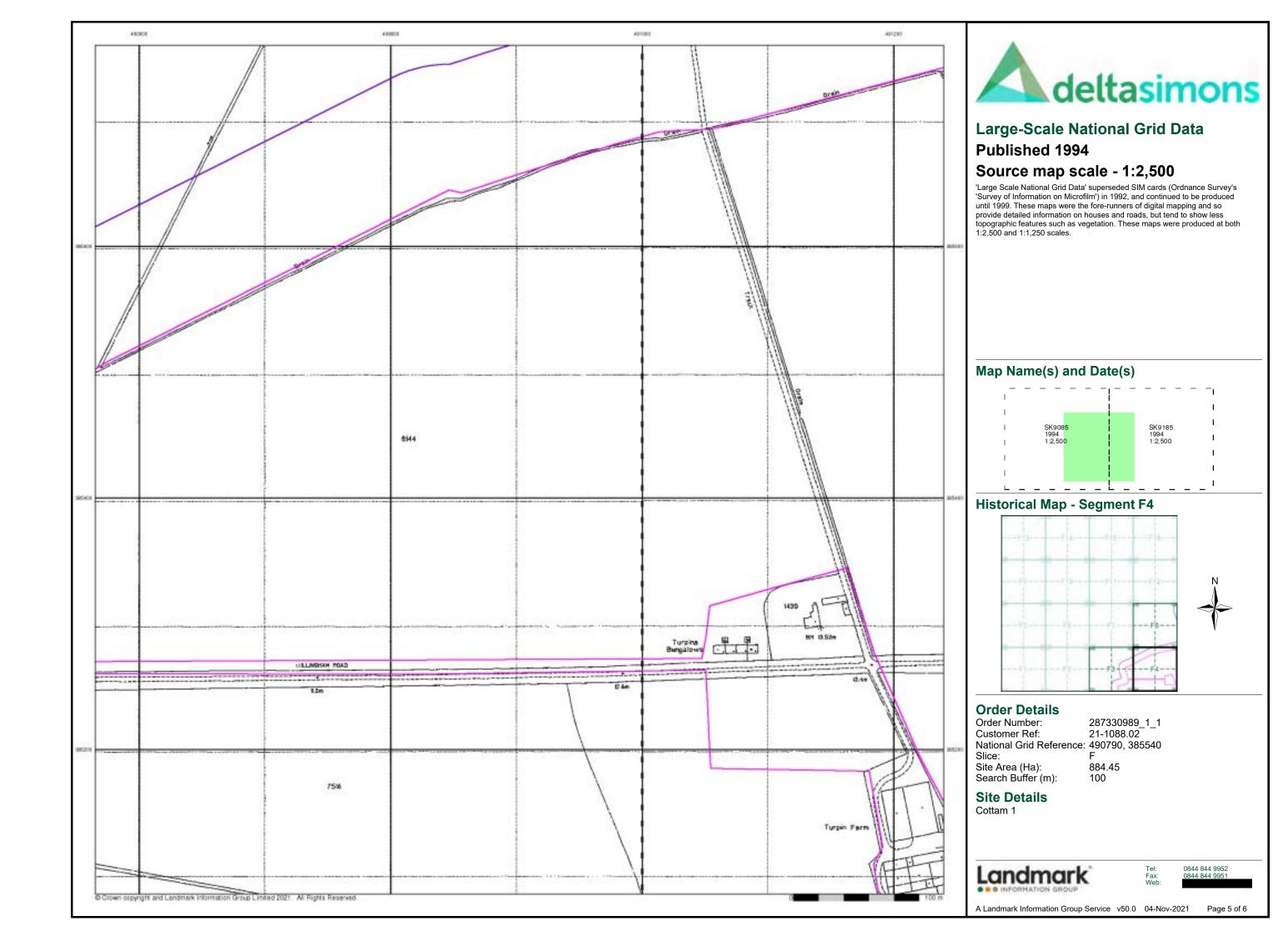
0844 844 9952

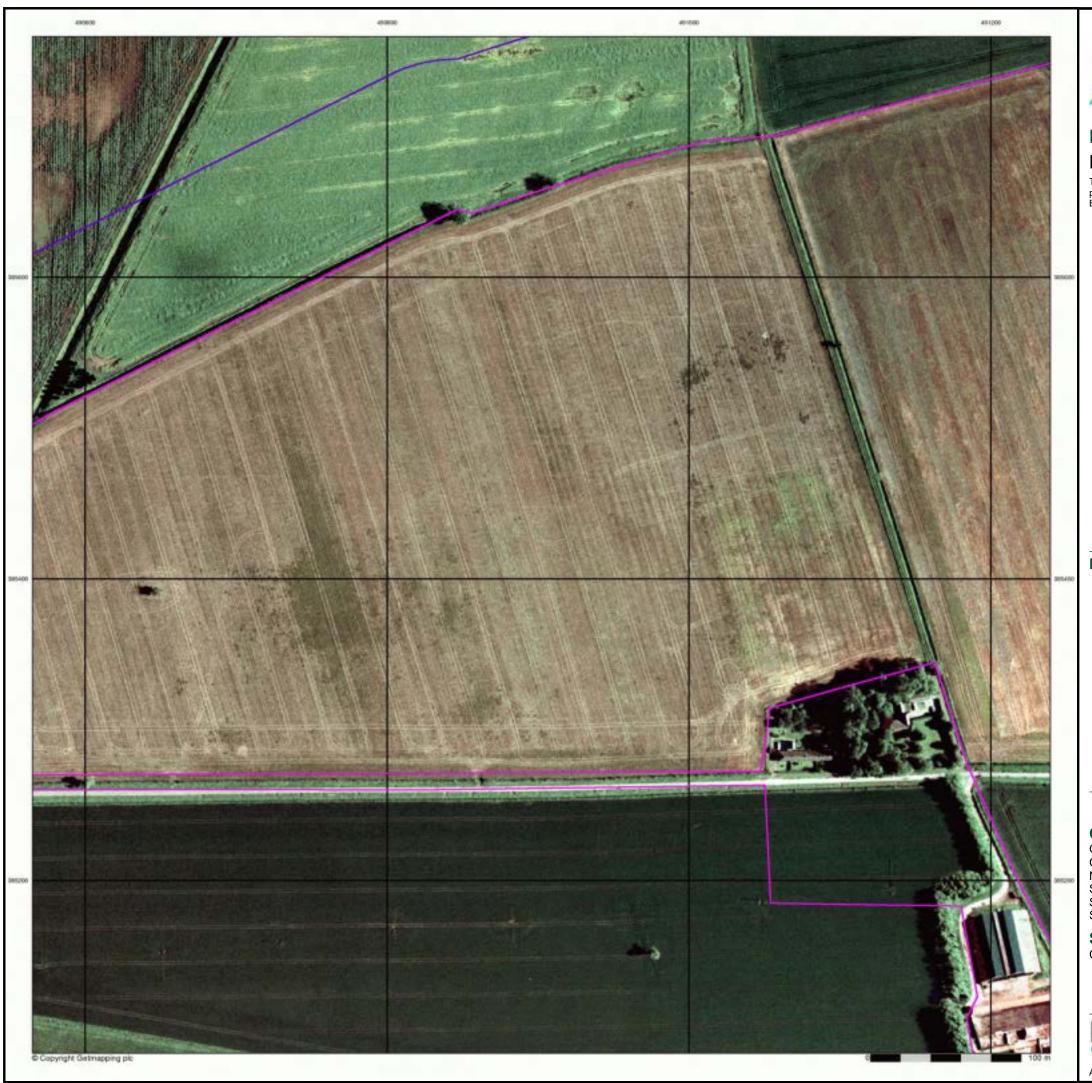
Page 1 of 6







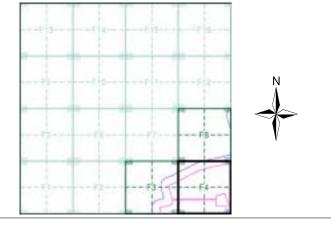






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

#### **Historical Aerial Photography - Segment F4**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 490790, 385540

Slice:

Site Area (Ha): Search Buffer (m): 884.45 100

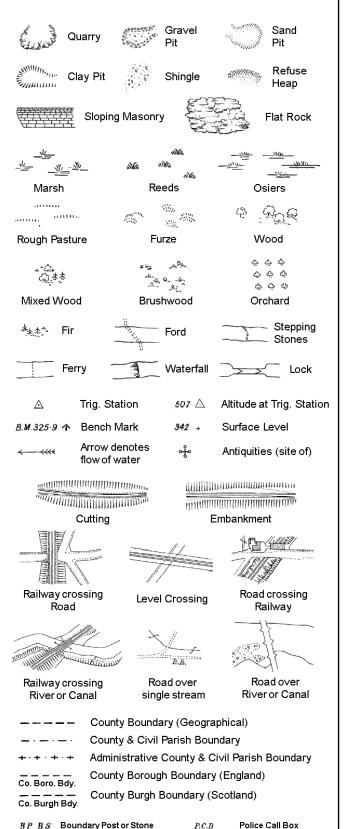
**Site Details** 

Cottam 1

Landmark

0844 844 9952 0844 844 9951

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



Pump

Sluice

Spring

Trough Well

Signal Post

Telephone Call Box

S.P

Sl.

Tr:

B.R.

EP

F.B.

Bridle Road

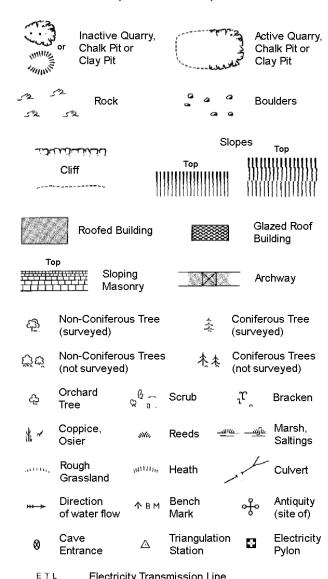
Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

#### Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



ETL Electricity Transmission Line	
-----------------------------------	--

	County Boundary (Geographical)
	County & Civil Parish Boundary
	Civil Parish Boundary
· <del></del> · ·	Admin. County or County Bor. Boundar
L B Bdy	London Borough Boundary
200	Symbol marking point where boundary mereing changes

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

# 1:1,250

المائدة	لالكالمال		S	lopes	Тор
,	Cliff		Top		
523	Rock		7,3	Rock (	scattered)
$\triangle_{a}$	Boulders		Δ	Boulde	ers (scattered)
2	Positioned	Boulder		Scree	
<u> </u>	Non-Conif	erous Tree )	*	Conife (surve	rous Tree yed)
ర్లోల్త	Non-Conife (not surve	erous Trees yed)	春春		rous Trees ırveyed)
දා	Orchard Tree	Q a.	Scrub	ູ້ຕຸ	Bracken
* ~	Coppice, Osier	siVe,	Reeds =	<u>जाल —ग्री</u>	Marsh, Saltings
actitus,	Rough Grassland	<sup>n</sup> nnn,	Heath	1	Culvert
<del>*** &gt;</del>	Direction of water flo	Δ	Triangulatio Station	n 🕹	Antiquity (site of)
_ E T L _	Electric	ity Transmi	ssion Line	$\boxtimes$	Electricity Pylon
\ <sup>€</sup> / вм	231.60m E	ench Mark			ngs with ng Seed
	Roofe	ed Building		525	Glazed Roof Building
		Civil narish	/community	houndar	·v
		District bo	=	boundar	,
	_	County bo	•		
		_	<del>-</del>		
٥			nereing syml pear in oppos		
Bks	Barracks		Р	Pillar. F	Pole or Post
Bty	Battery		PO	Post 0	
Cemy	Cemetery		PC	Public	Convenience
Chy	Chimney		Pp	Pump	
Cis	Cistern		Ppg Sta		ng Station
Dismtd R	•	tled Railway	PW		ofWorship -
El Gen S	Station	ity Generating	_		Sewage Pumping Station
EIP		Pole, Pillar	SB, S Br	Signal	Box or Bridge
El Sub St	ta Electricity	Sub Station	SP, SL	Signal	Post or Light
FB	Filter Bed		Spr	Spring	

Fn / D Fn Fountain / Drinking Ftn.

Gas Governer

**Guide Post** 

Manhole

GVC

Gas Valve Compound

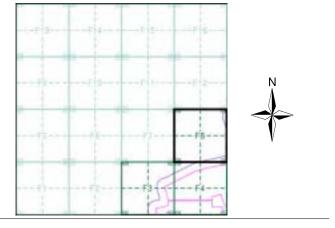
Mile Post or Mile Stone



#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

#### **Historical Map - Segment F8**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 490790, 385540 Slice:

Site Area (Ha): 884.45 Search Buffer (m):

#### **Site Details**

Cottam 1

Tank or Track

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Tr

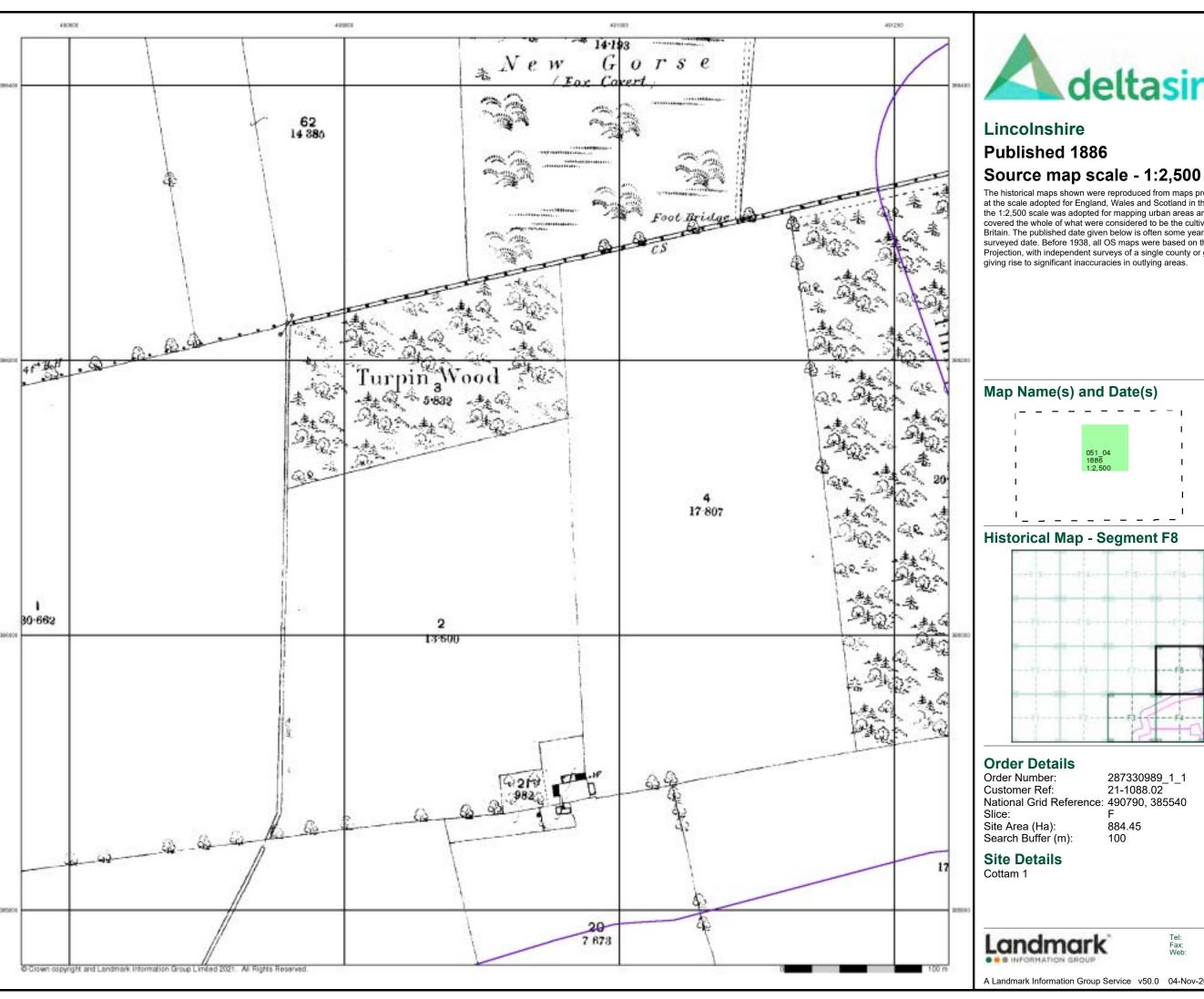
Wd Pp

Wks



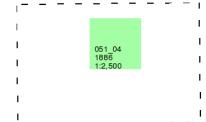
0844 844 9952

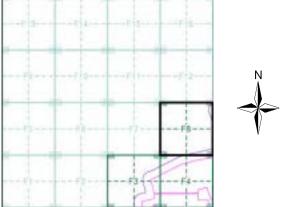
Page 1 of 6



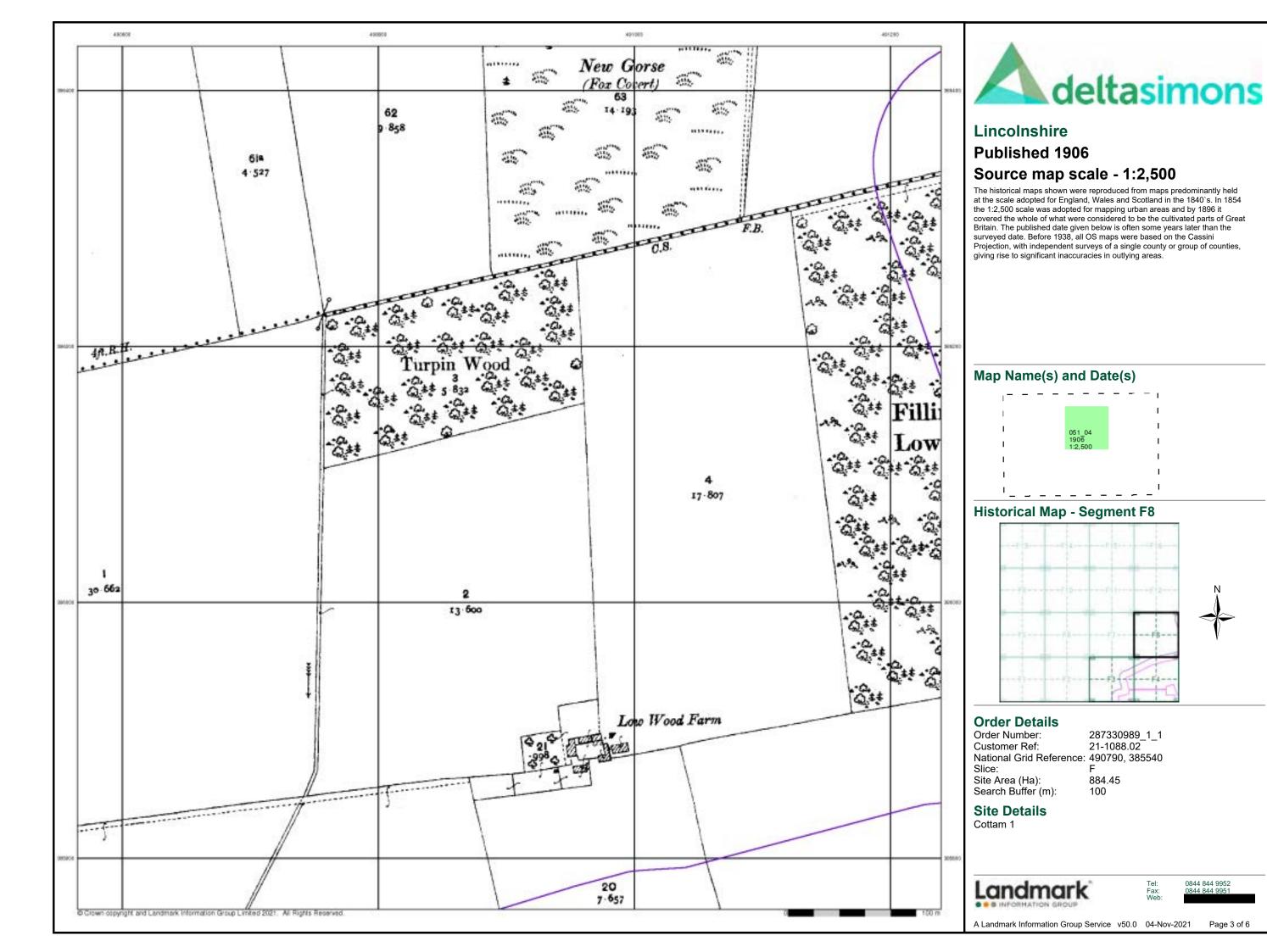


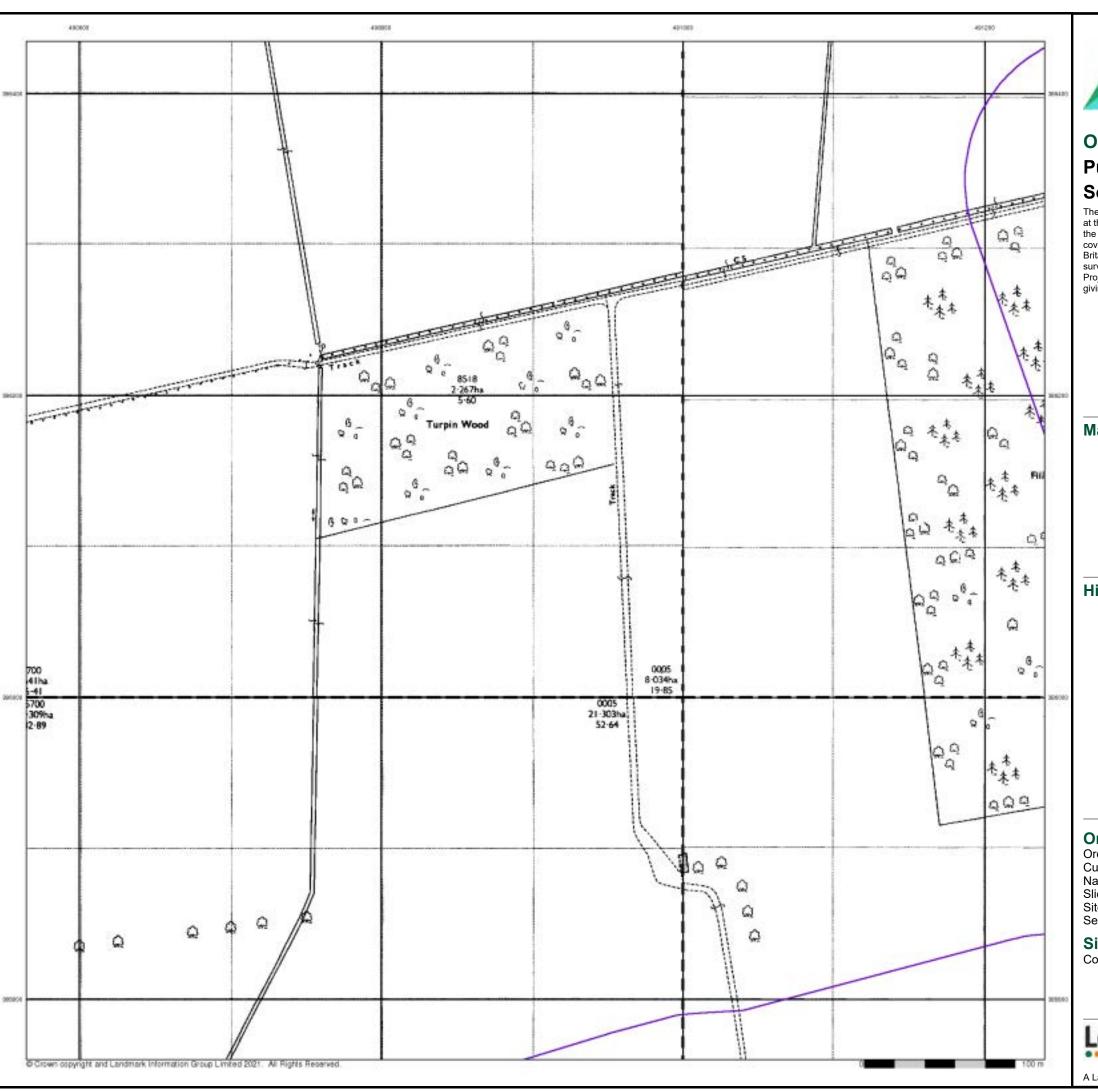
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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





0844 844 9952



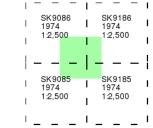




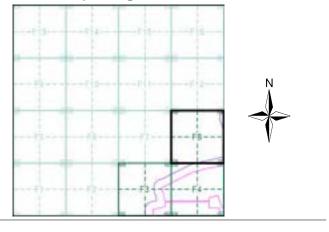
## Ordnance Survey Plan Published 1974 Source map scale - 1:2,500

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 F8**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 490790, 385540

Slice:

Site Area (Ha): 884.45 Search Buffer (m): 100

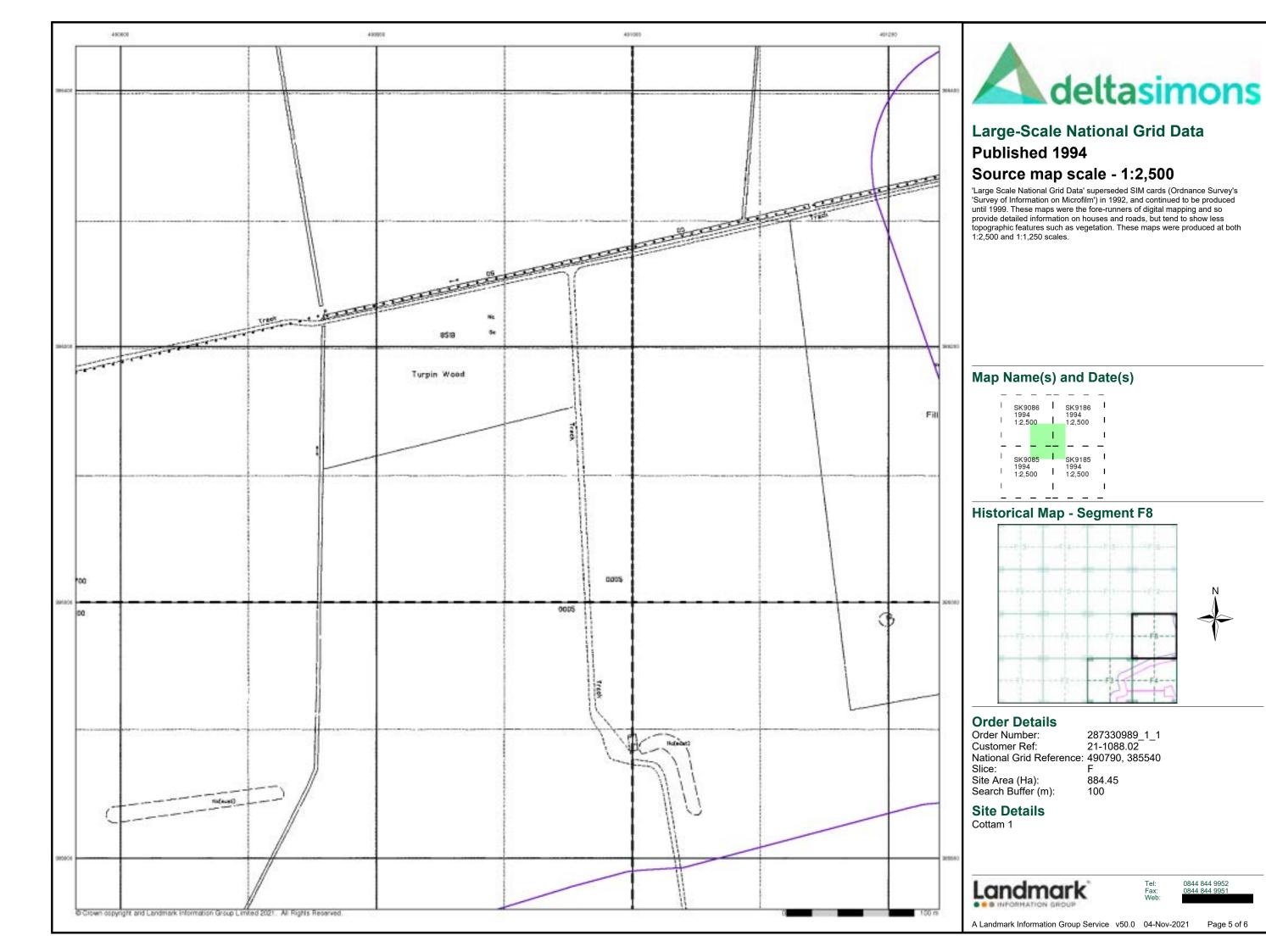
#### **Site Details**

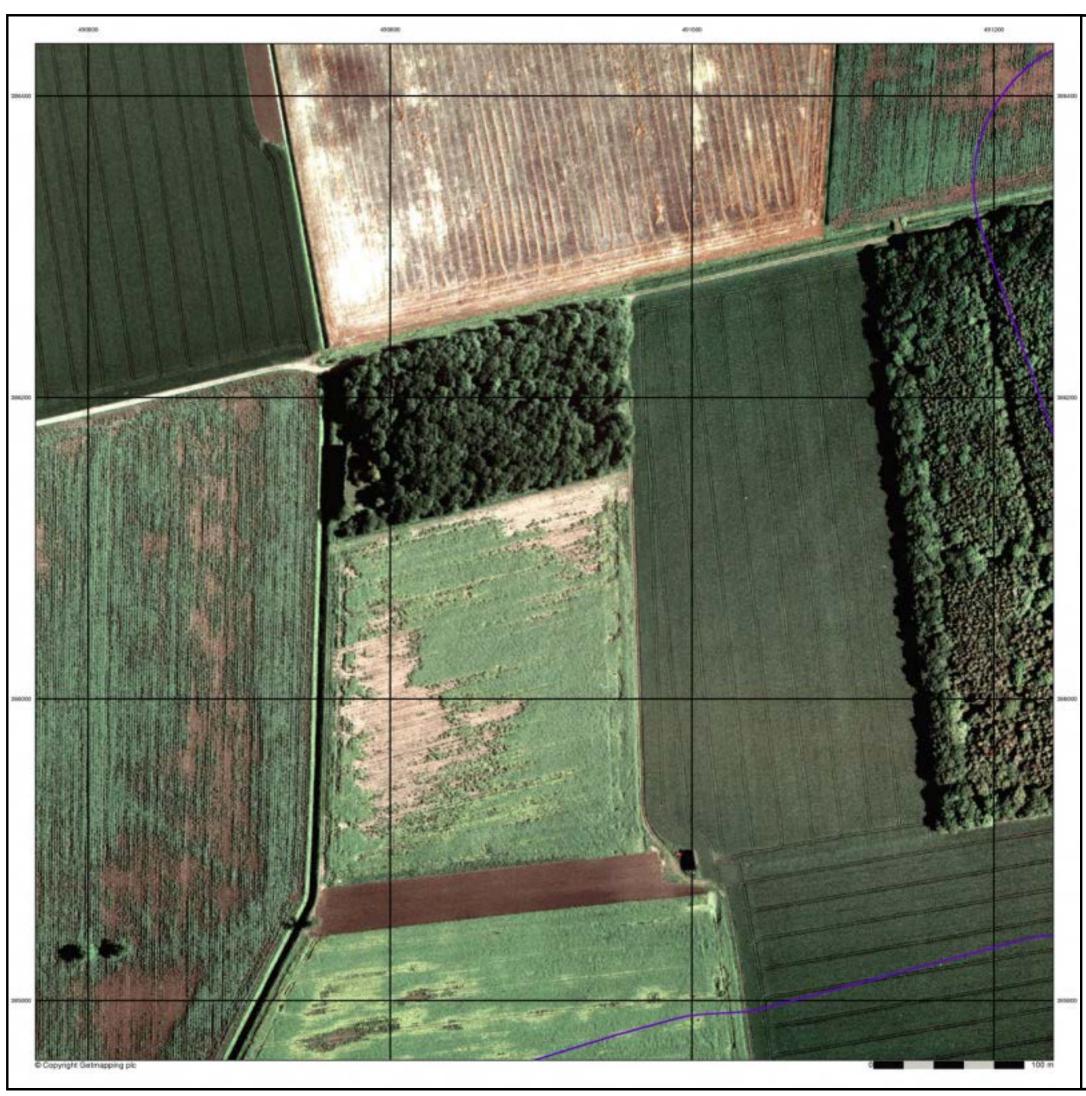
Cottam 1



Tel: Fax: Web:

0844 844 9952 0844 844 9951

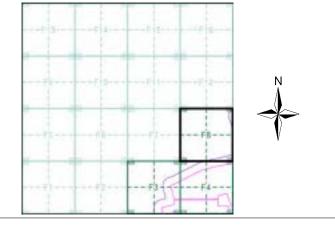






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

#### **Historical Aerial Photography - Segment F8**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 490790, 385540

Slice:

Site Area (Ha): Search Buffer (m): 884.45 100

**Site Details** 

Cottam 1

Landmark

#### **Ordnance Survey County Series 1:10,560** Gravel Pit Other Orchard Mixed Wood Brushwood Deciduous Furze Rough Pasture Arrow denotes Trigonometrical flow of water Station Bench Mark Site of Antiquities Pump, Guide Post, Well, Spring, Signal Post Boundary Post ·285 Surface Level Sketched Instrumental Contour Contour Fenced Main Roads Minor Roads Un-Fenced Raised Road Sunken Road Railway over Road over Railway Ri∨er Railway over Level Crossing Road Road over Road over Road over County Boundary (Geographical) County & Civil Parish Boundary Administrative County & Civil Parish Boundary County Borough Boundary (England) Co. Boro. Bdy. County Burgh Boundary (Scotland) Co. Burgh Bdy. Rural District Boundary R.D. Bdy.

····· Civil Parish Boundary

#### Ordnance Survey Plan 1:10,000

وسرسه	Chalk Pit, Clay P or Quarry	it 000000000000000000000000000000000000	Gravel Pit		
	Sand Pit		Disused Pit or Quarry		
1.000	Refuse or Slag Heap		Lake, Loch or Pond		
	Dunes	000	Boulders		
<b>* * /</b>	Coniferous Trees	44	Non-Coniferous Trees		
ቀ ቀ	Orchard No.	Scrub	∖Y₁v Coppice		
ជា ជ	Bracken	Heath	, 、 , , , , Rough Grassland		
<u> </u>	- Marsh ····V///	Reeds	그 <u>노</u> Saltings		
	Dire	ection of Flow of	f Water		
**************************************	Building	1/=	Shingle		
	*	**	Sand		
	Glasshouse		Cana		
	Sloping Masonry	Pylon — — — — Pole — — • —	<ul><li>Electricity</li><li>Transmission</li><li>Line</li></ul>		
Cutting	ı Embank	ment			
.,		***************************************			
	//	\\	Standard Gauge		
Road'	''∏''' Road / Le	vel Foot	1 = · · ·		
Under	Over Cros	ssing Bridg	e Siding, Tramway		
			or Mineral Line		
			→ Narrow Gauge		
	Geographical C	County			
	Administrative County, County Borough				
Municipal Borough, Urban or Rural District, Burgh or District Council					
	Borough, Burgh or County Constituency Shown only when not coincident with other boundaries				
	Civil Parish Shown alternately	when coincidence	of boundaries occurs		
DD D0	Bounday : Book Ct-	Dal 04-	Dalina Ctrti		
BP, BS Ch	Boundary Post or Stone Church	Pol Sta PO	Police Station Post Office		
CH	Club House	PC	Public Convenience		
F E Sta	Fire Engine Station	PH	Public House		
FB	Foot Bridge	SB	Signal Box		
Fn	Fountain	Spr	Spring		
GP MB	Guide Post Mile Post	TCB TCP	Telephone Call Box		
MP	Mile Post	TCP W	Telephone Call Post		

#### 1:10,000 Raster Mapping

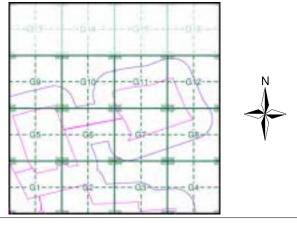
	Gravel Pit	OF S	Refuse tip or slag heap
200	Rock		Rock (scattered)
	Boulders	·.· · ,	Boulders (scattered)
2500	Shingle	Mad	Mud
Sand	Sand	CIVED	Sand Pit
minn	Slopes	11111111111111111111111111111111111111	Top of cliff
	General detail		Underground detail
	Overhead detail	+++++++++	Narrow gauge railway
S <del></del>	Multi-track railway	-	Single track railway
	County boundary (England only)		Civil, parish or community boundary
	District, Unitary, Metropolitan, London Borough boundary		Constituency boundary
۵ <sup>۵</sup> *	Area of wooded vegetation	00 00	Non-coniferous trees
٥	Non-coniferous trees (scattered)	** **	Coniferous trees
* *	Coniferous trees (scattered)	ଳ	Positioned tree
00	Orchard	4 4	Coppice or Osiers
office of the	Rough Grassland		Heath
On.	Scrub	Mar.	Marsh, Salt Marsh or Reeds
Co	Water feature	-	Flow arrows
MHW(S)	Mean high water (springs)	MLW(S)	Mean low water (springs)
	Telephone line (where shown)		Electricity transmission line (with poles)
+ BM 123.45 m	Bench mark (where shown)	Δ	Triangulation station
48	Point feature (e.g. Guide Post or Mile Stone)	⊠	Pylon, flare stack or lighting tower
-[-	Site of (antiquity)		Glasshouse
	General Building		Important Building



#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg	
Lincolnshire	1:10,560	1885 - 1886	2	
Lincolnshire	1:10,560	1907	3	
Lincolnshire	1:10,560	1907	4	
Lincolnshire	1:10,560	1947	5	
Ordnance Survey Plan	1:10,000	1956	6	
Ordnance Survey Plan	1:10,000	1979	7	
10K Raster Mapping	1:10,000	2000	8	
10K Raster Mapping	1:10,000	2006	9	
VectorMap Local	1:10,000	2021	10	

#### **Historical Map - Slice G**



#### **Order Details**

Order Number: 287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 492430, 386010 Slice: G

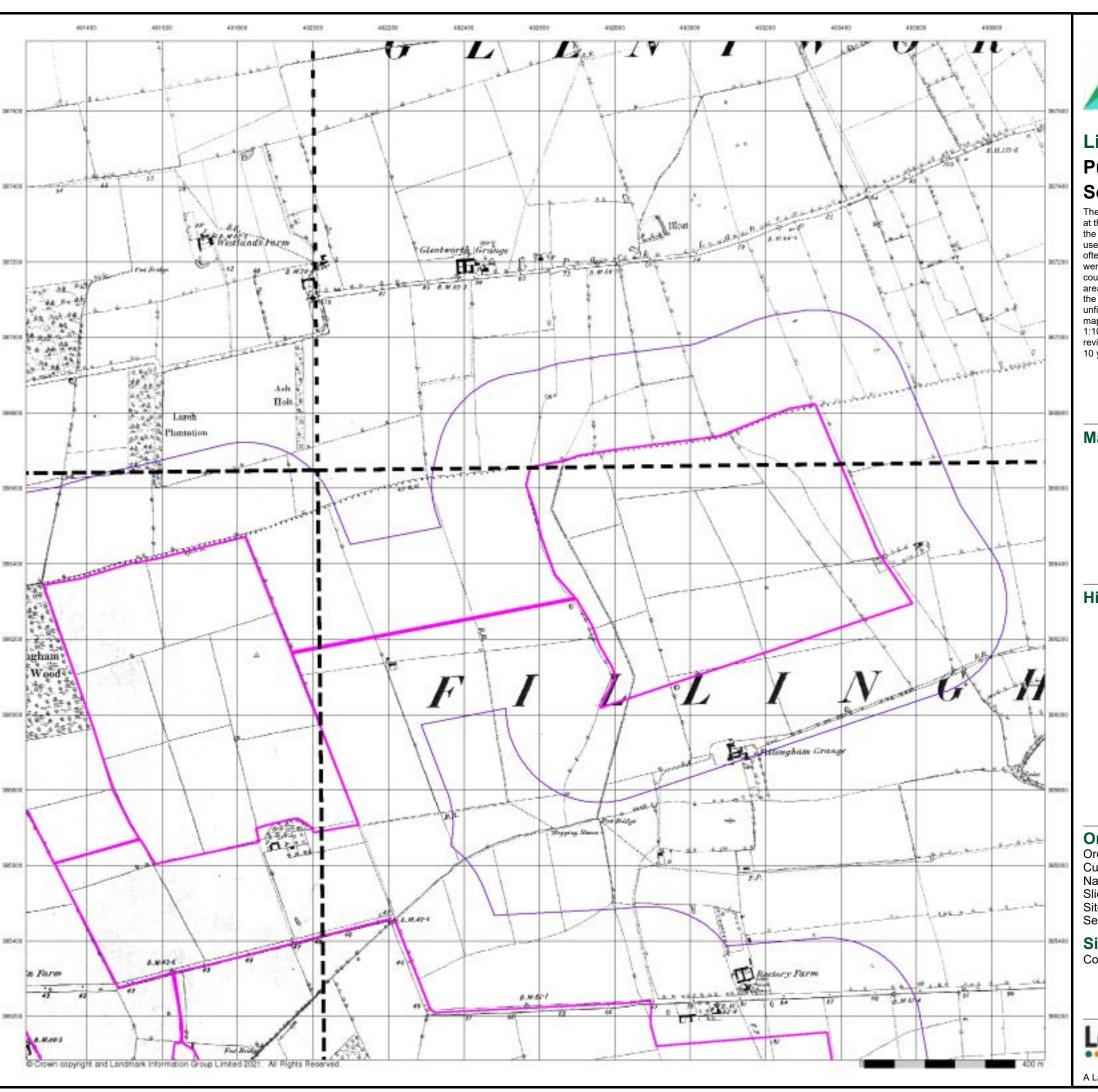
Site Area (Ha): 884.45 Search Buffer (m): 250

**Site Details** 

Cottam 1



0844 844 9952



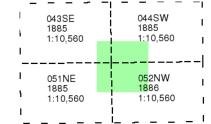


#### Lincolnshire

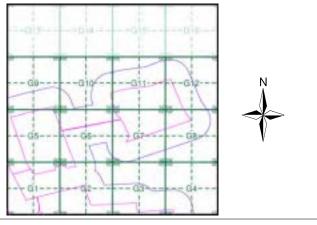
#### Published 1885 - 1886 Source map scale - 1:10,560

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 G**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 492430, 386010 Slice: G

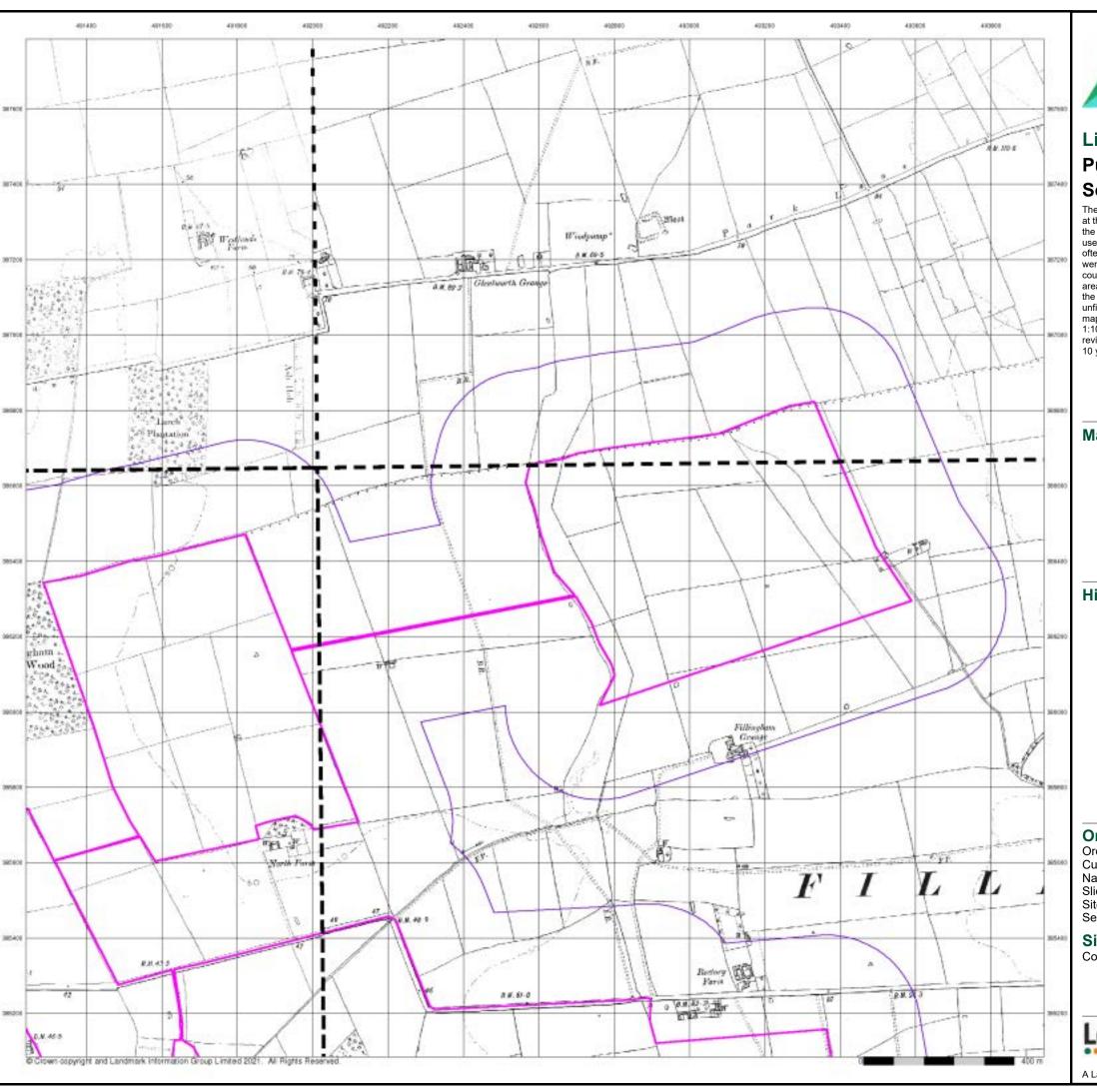
Site Area (Ha): Search Buffer (m): 884.45 250

#### **Site Details**

Cottam 1



0844 844 9952





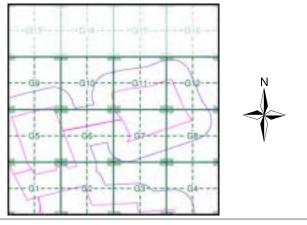
## Lincolnshire **Published 1907** Source map scale - 1:10,560

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)

-		$\neg_1$	-	-	_	_	${I}$
 	043SE 1907	- !		044 190	1SW		1
1	1:10,560				0,560	)	- 1
- 1		- 1					- 1
		-					1
I	051NE	- 1			2NW		- 1
1	1907	i i		190	07 0,560	1	
	1:10,560	- !		1.1	0,560	,	ı
ı		-					

#### **Historical Map - Slice G**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 492430, 386010 Slice: G

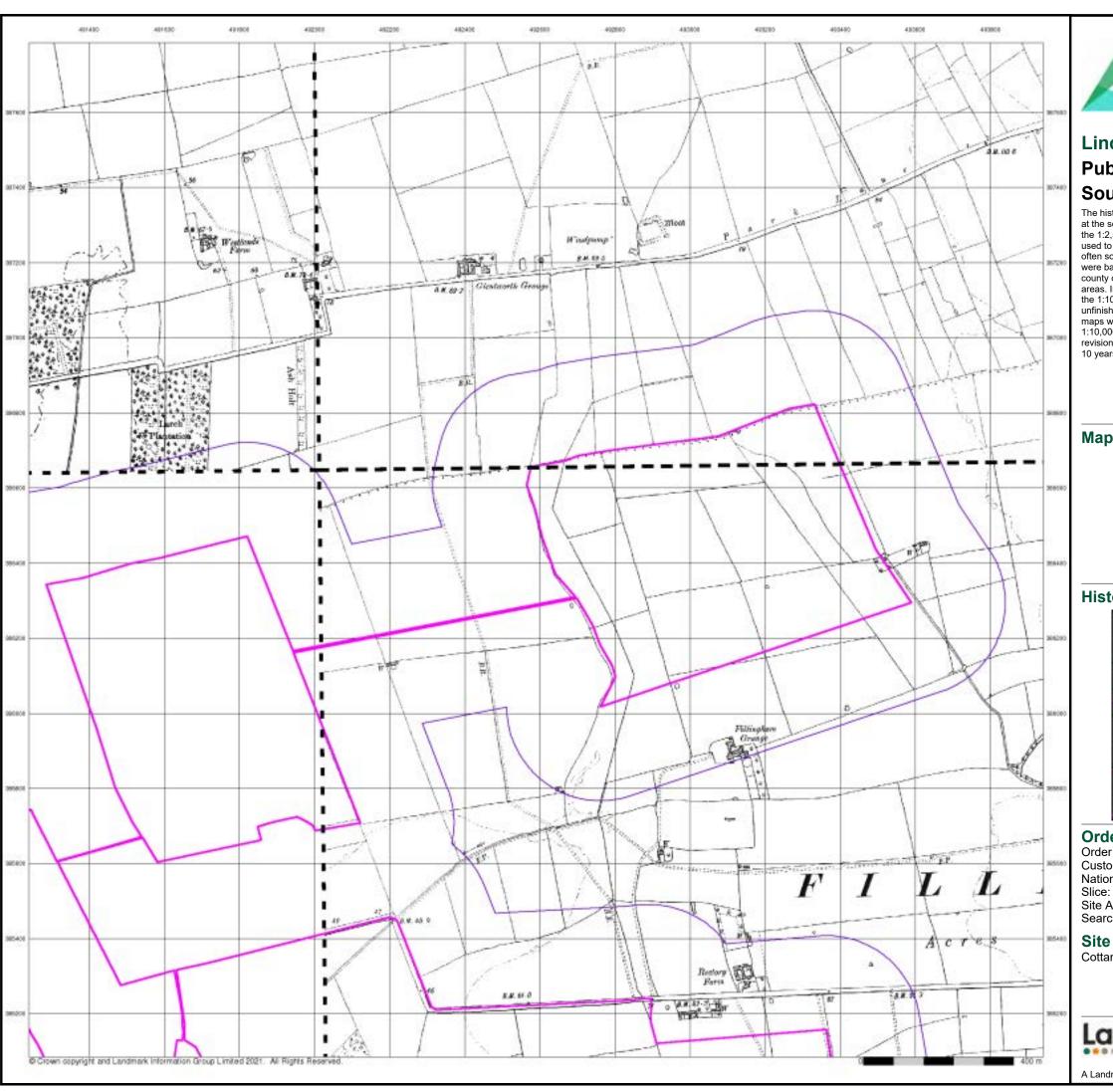
Site Area (Ha): Search Buffer (m): 884.45 250

#### **Site Details**

Cottam 1



0844 844 9952

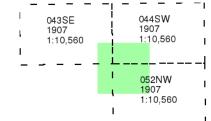




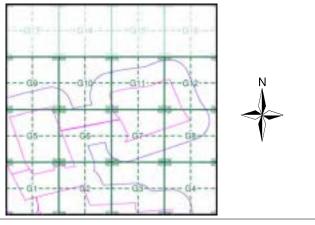
### Lincolnshire **Published 1907** Source map scale - 1:10,560

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 G**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 492430, 386010 G

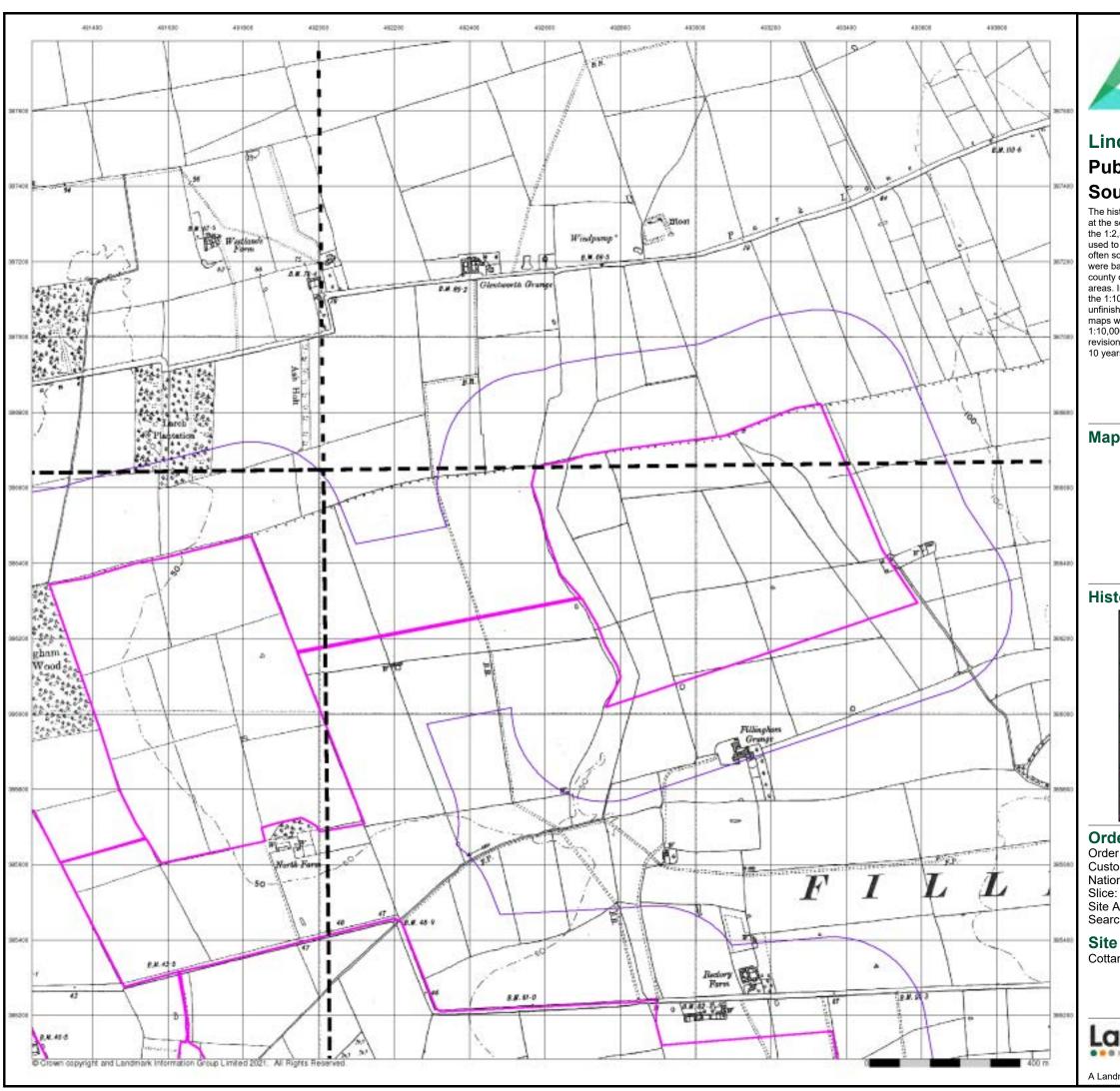
Site Area (Ha): Search Buffer (m): 884.45 250

#### **Site Details**

Cottam 1



0844 844 9952





#### Lincolnshire **Published 1947**

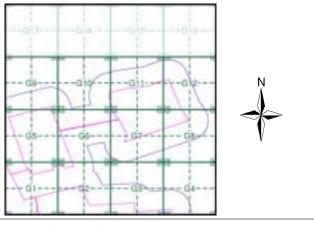
#### Source map scale - 1:10,560

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)

-  - 	043SE 1947 1:10,560	-, -	044SW 1947 1:10,560	-I
	051NE		052NW	
!	1947		1947	
!	1:10,560		1:10,560	

#### **Historical Map - Slice G**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 492430, 386010 G

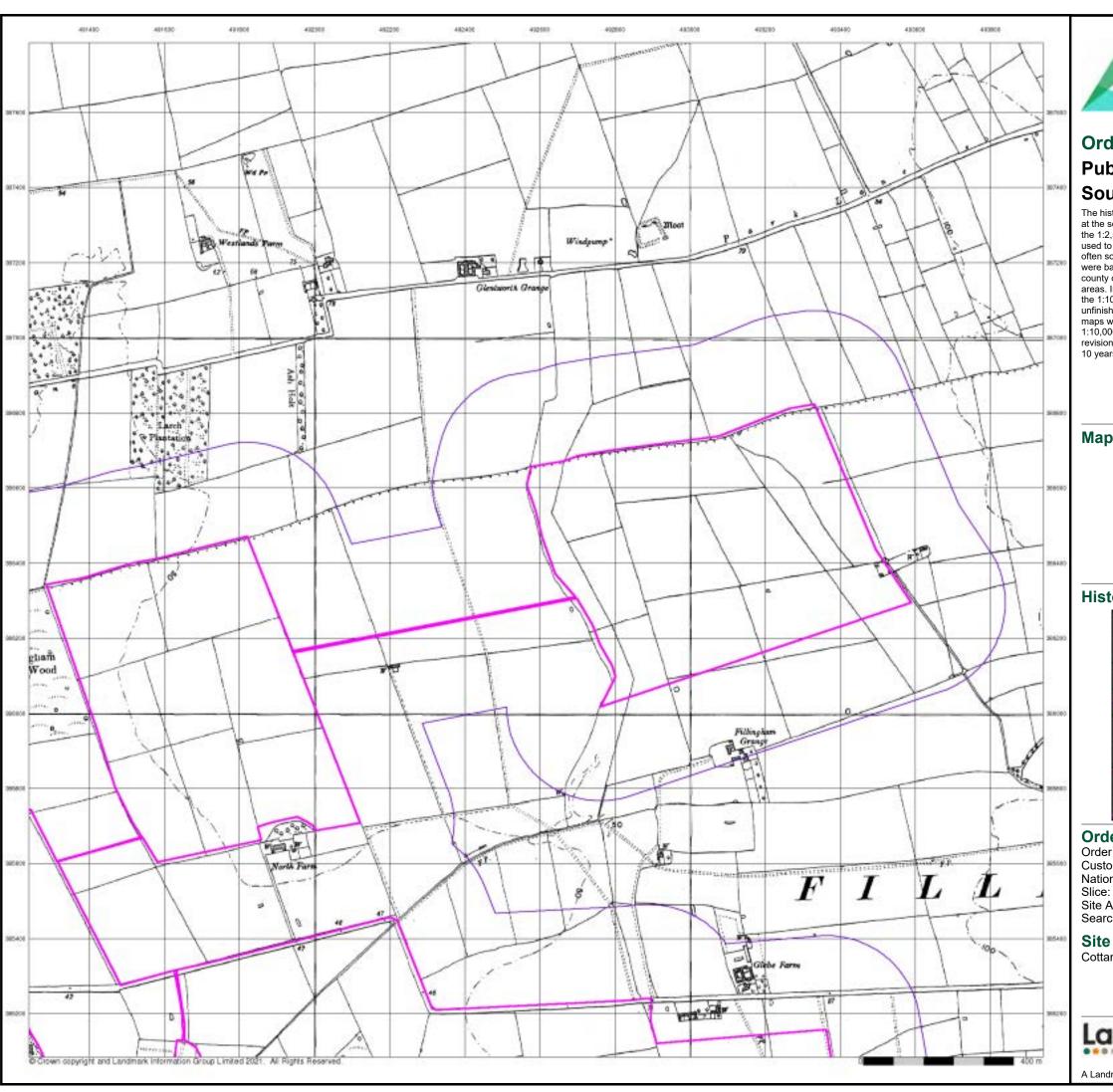
Site Area (Ha): Search Buffer (m): 884.45 250

#### **Site Details**

Cottam 1



0844 844 9952

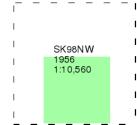




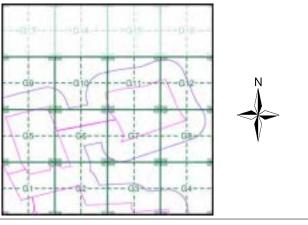
## **Ordnance Survey Plan Published 1956** Source map scale - 1:10,000

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 G**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 492430, 386010

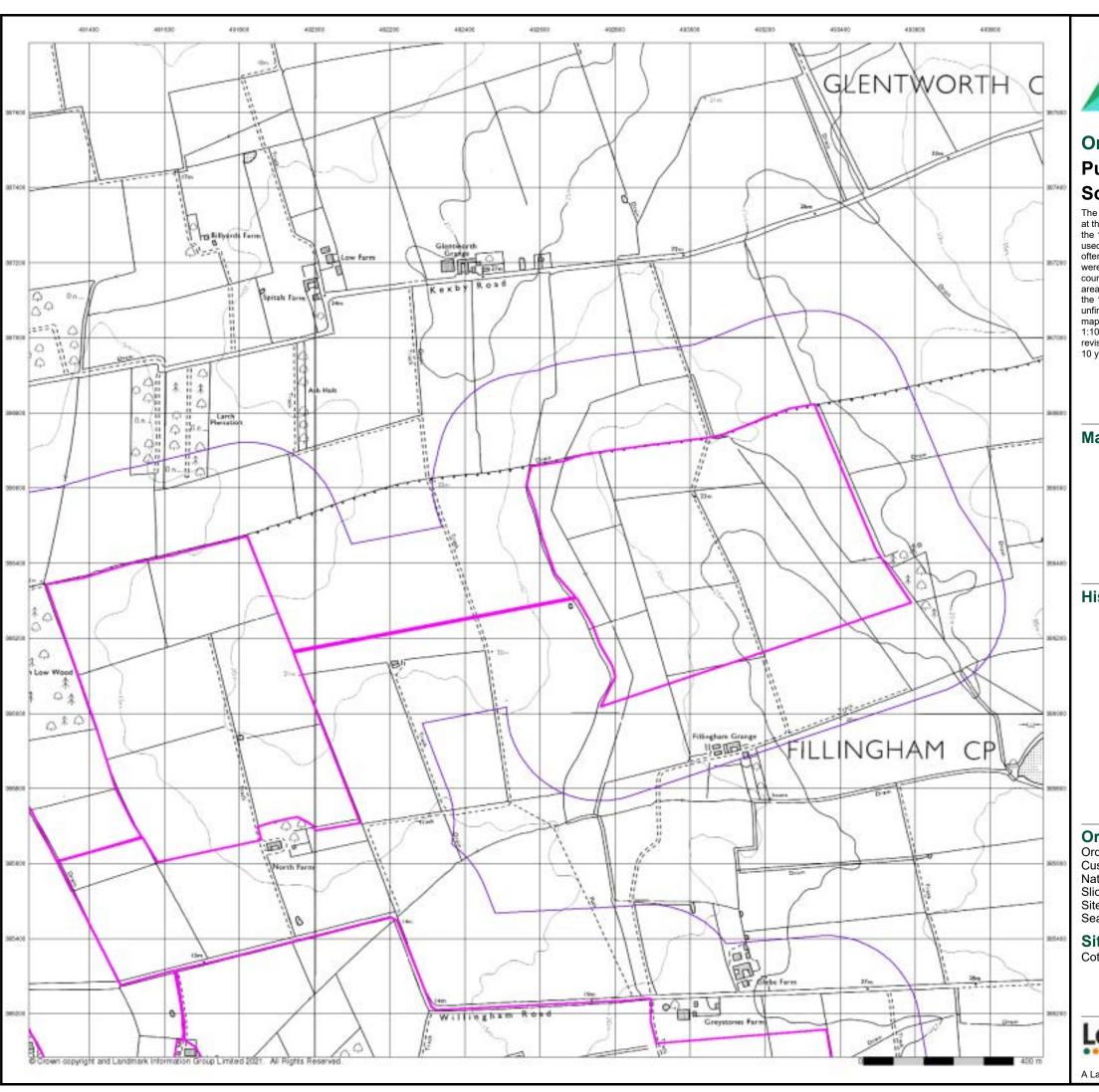
Site Area (Ha): Search Buffer (m): 884.45

#### **Site Details**

Cottam 1



0844 844 9952

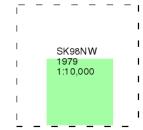




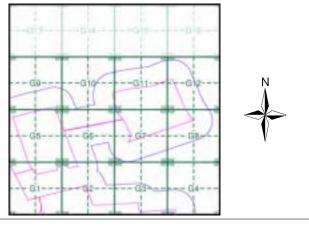
# Ordnance Survey Plan Published 1979 Source map scale - 1:10,000

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 G**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492430, 386010

Slice:

Site Area (Ha): 884.45 Search Buffer (m): 250

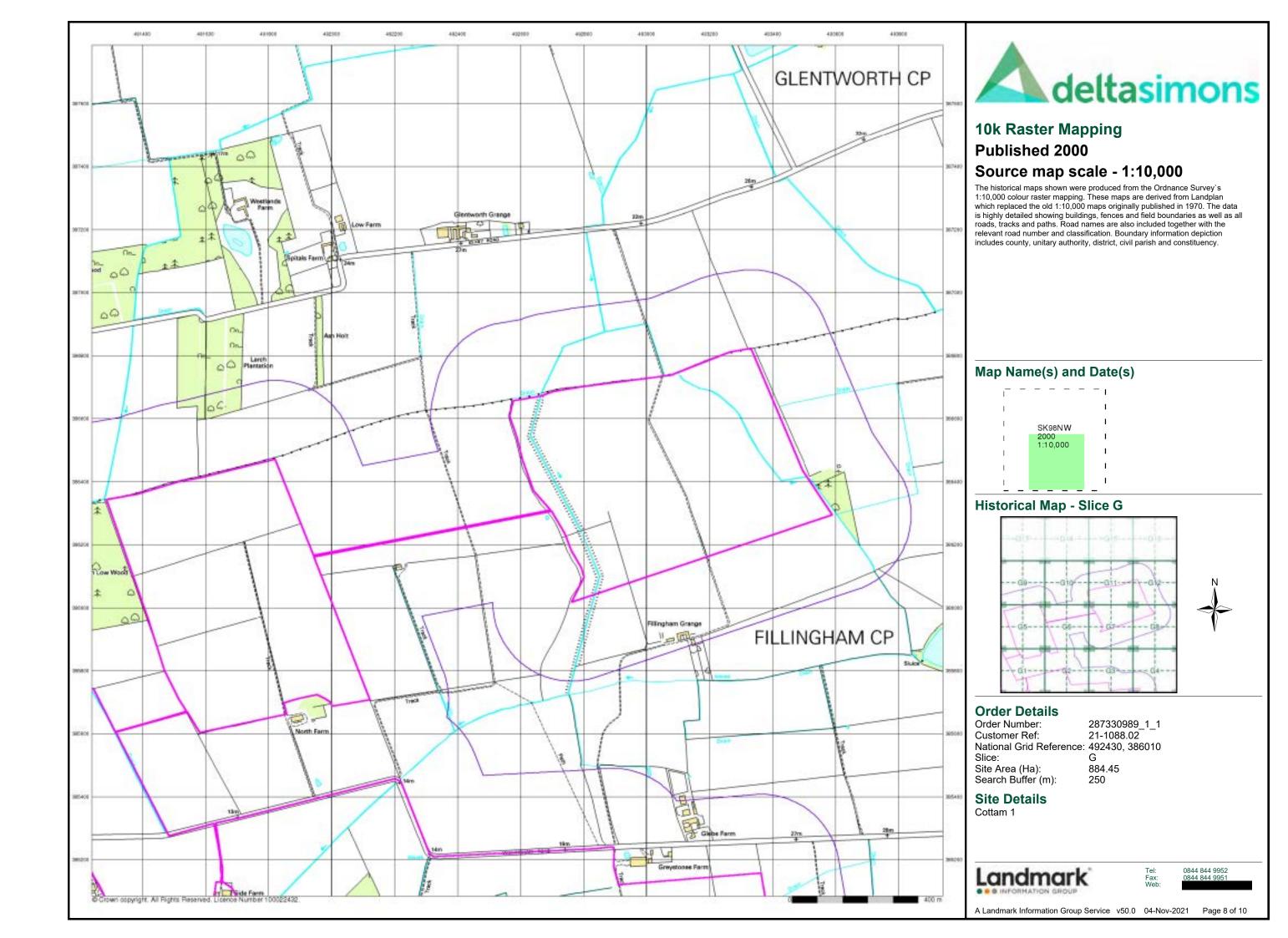
#### **Site Details**

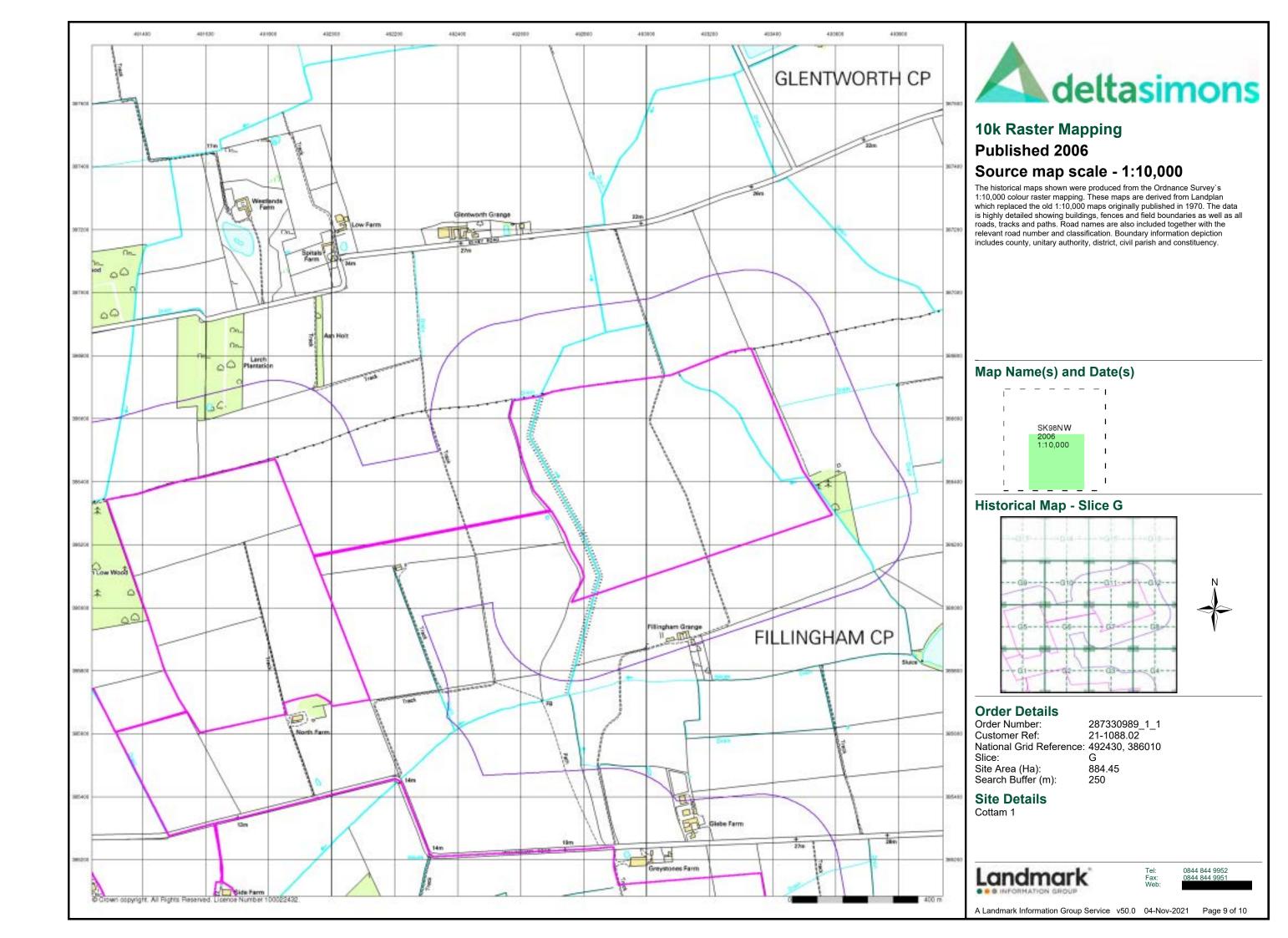
Cottam 1

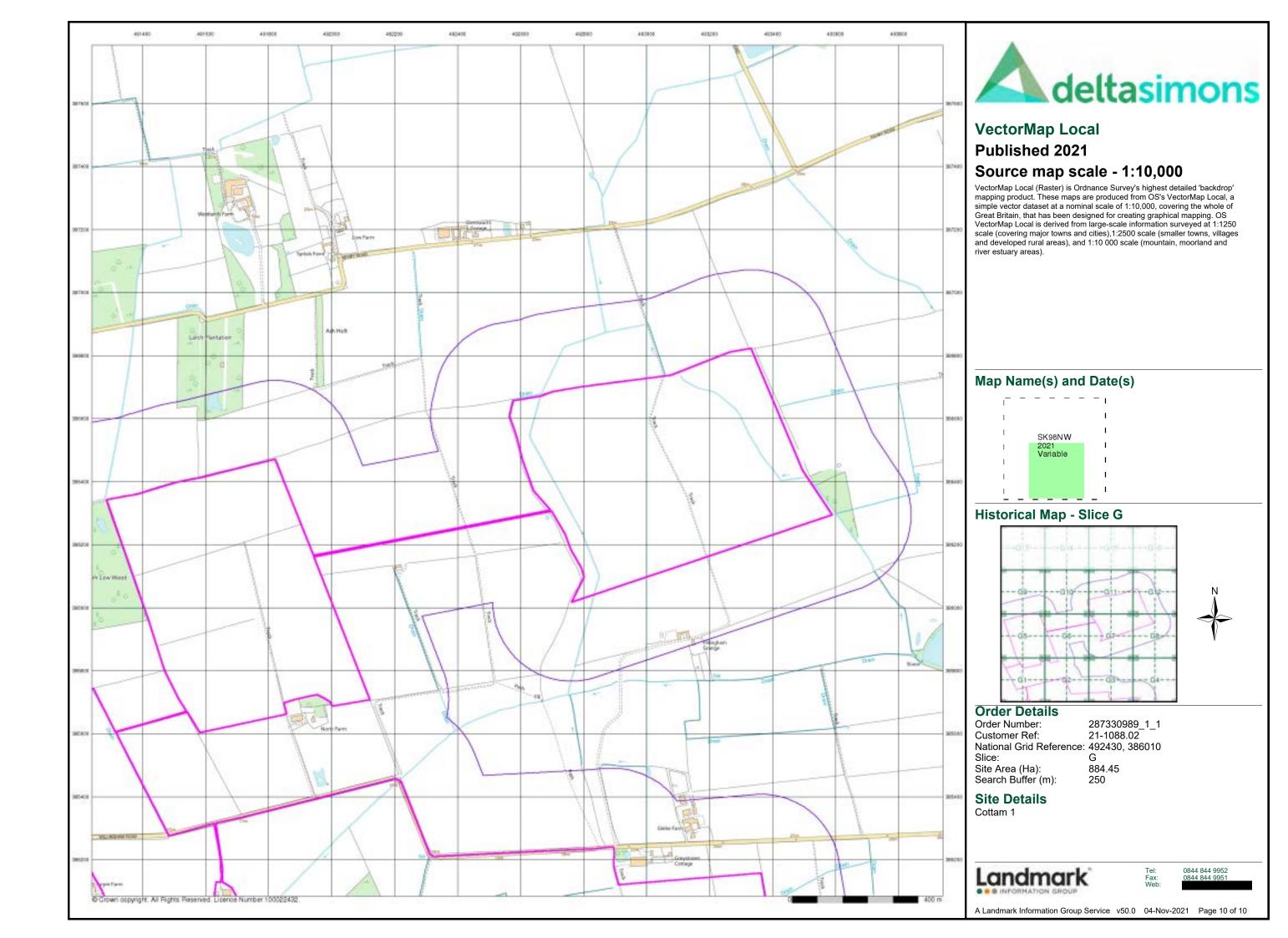


Tel: 08 Fax: 08 Web:

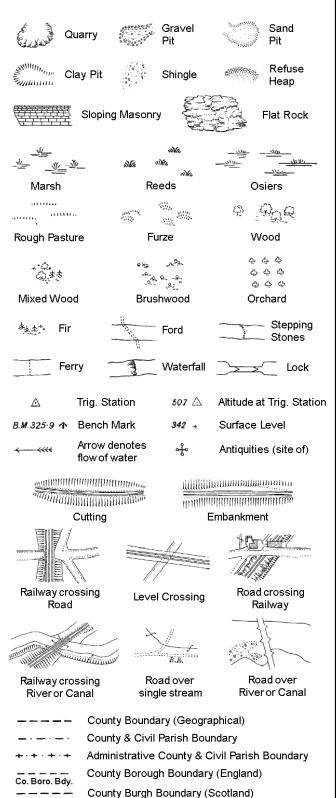
0844 844 9952 0844 844 9951







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



Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

Trough

Well

S.P

T.C.B

Sl.

 $T_T$ 

Co. Burgh Bdy.

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Guide Post or Board

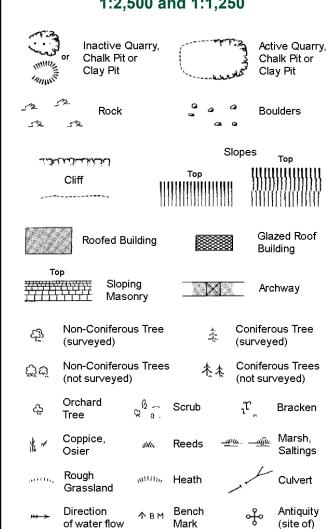
B.R.

E.P

F.B.

M.S

Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



Cave

Entrance

County Boundary (Geographical) County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary mereing changes

Triangulation

Electricity

GVC

MP, MS

Gas Governer

Mile Post or Mile Stone

**Guide Post** 

Manhole

Wd Pp

Wks

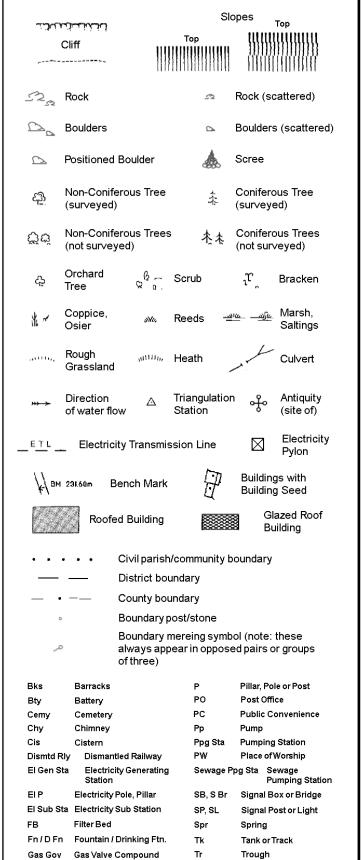
Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

.4.3		9	
вн	Beer House	Р	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
EIP	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
Н	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	WrPt,WrT	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

# 1:1,250

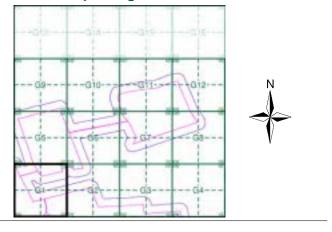




#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

#### **Historical Map - Segment G1**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 **Customer Ref:** National Grid Reference: 492430, 386010 Slice: G

884.45 Site Area (Ha): Search Buffer (m): 100

**Site Details** 

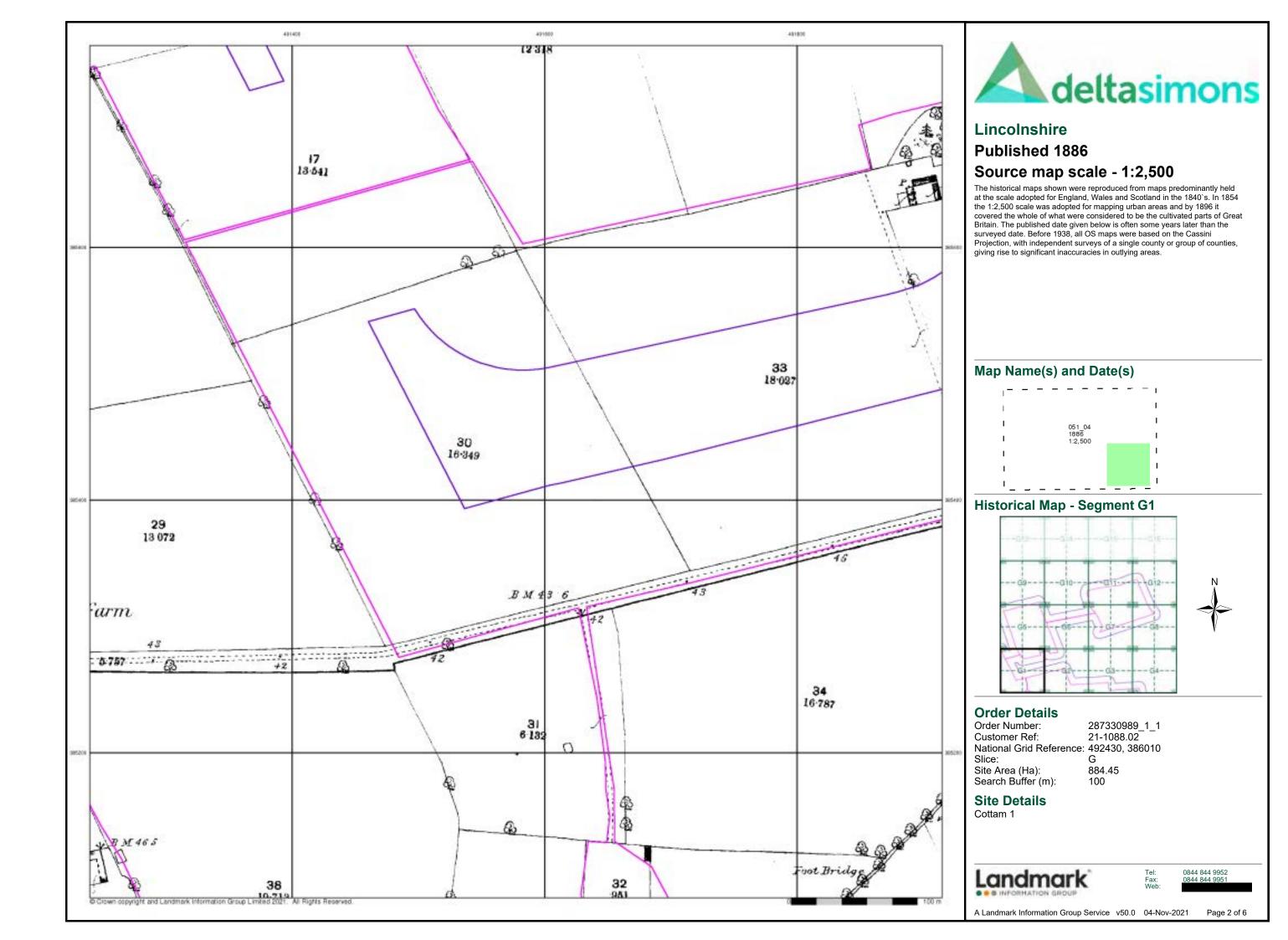
Cottam 1

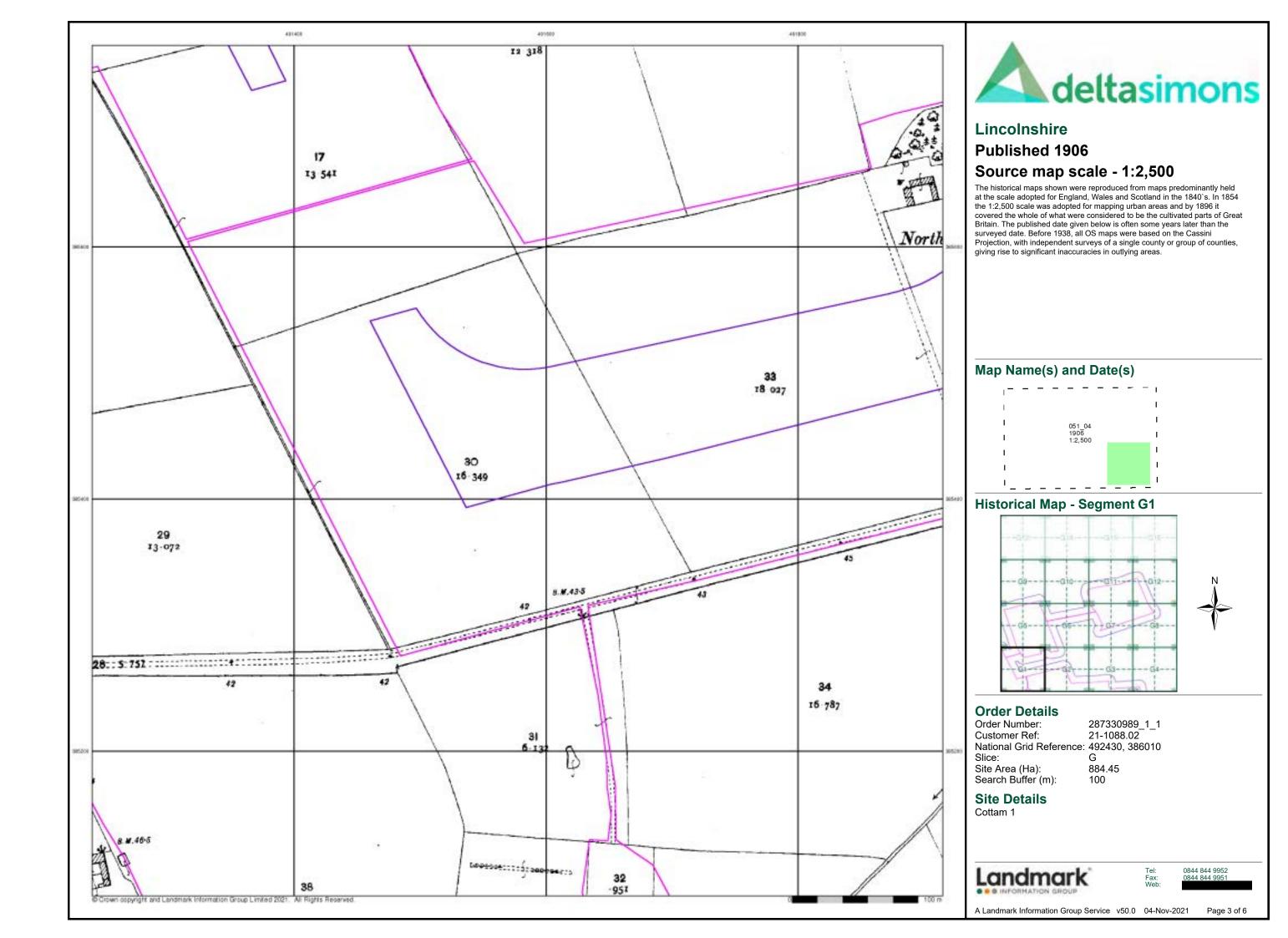


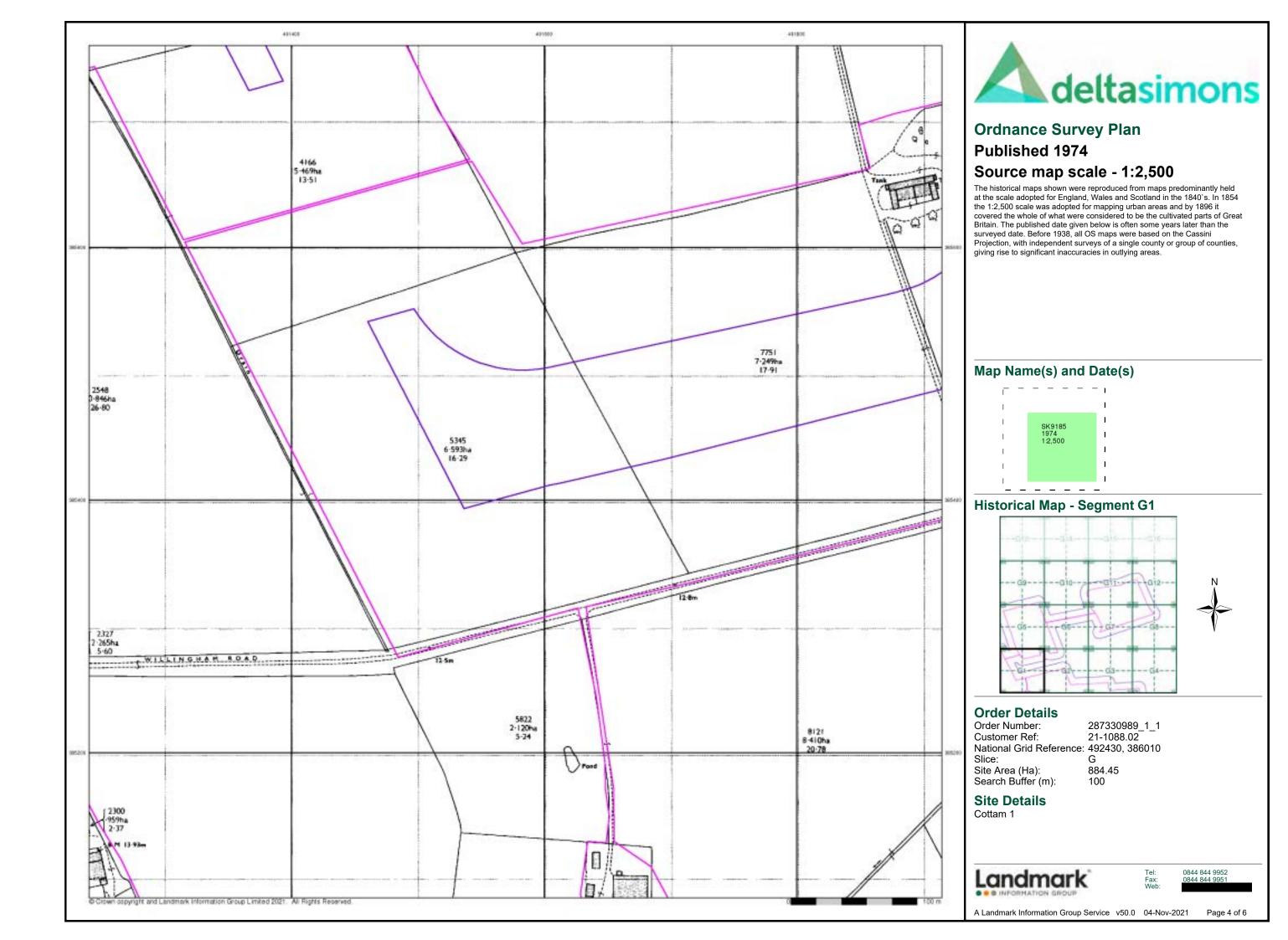
0844 844 9952

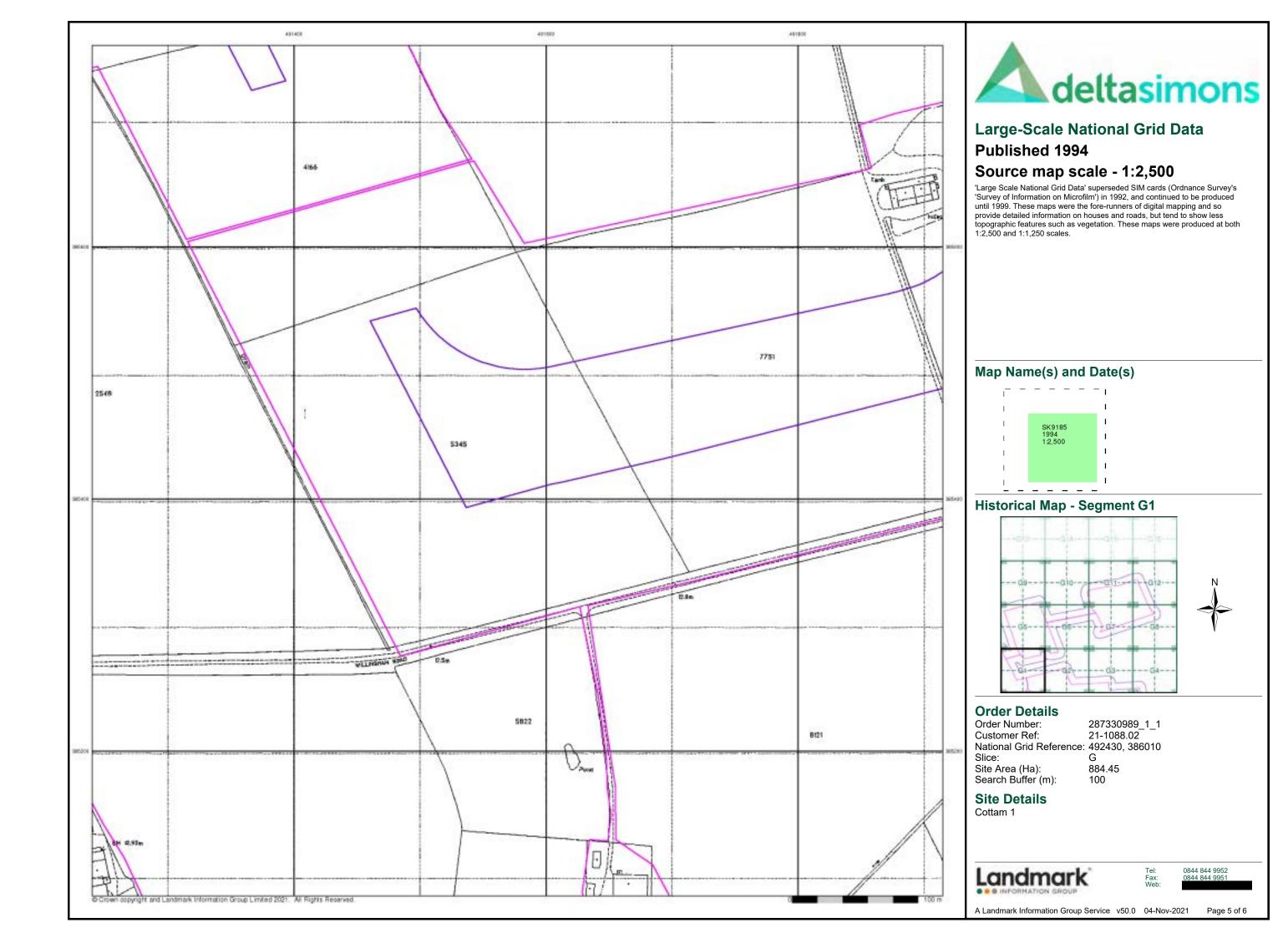
A Landmark Information Group Service v50.0 04-Nov-2021

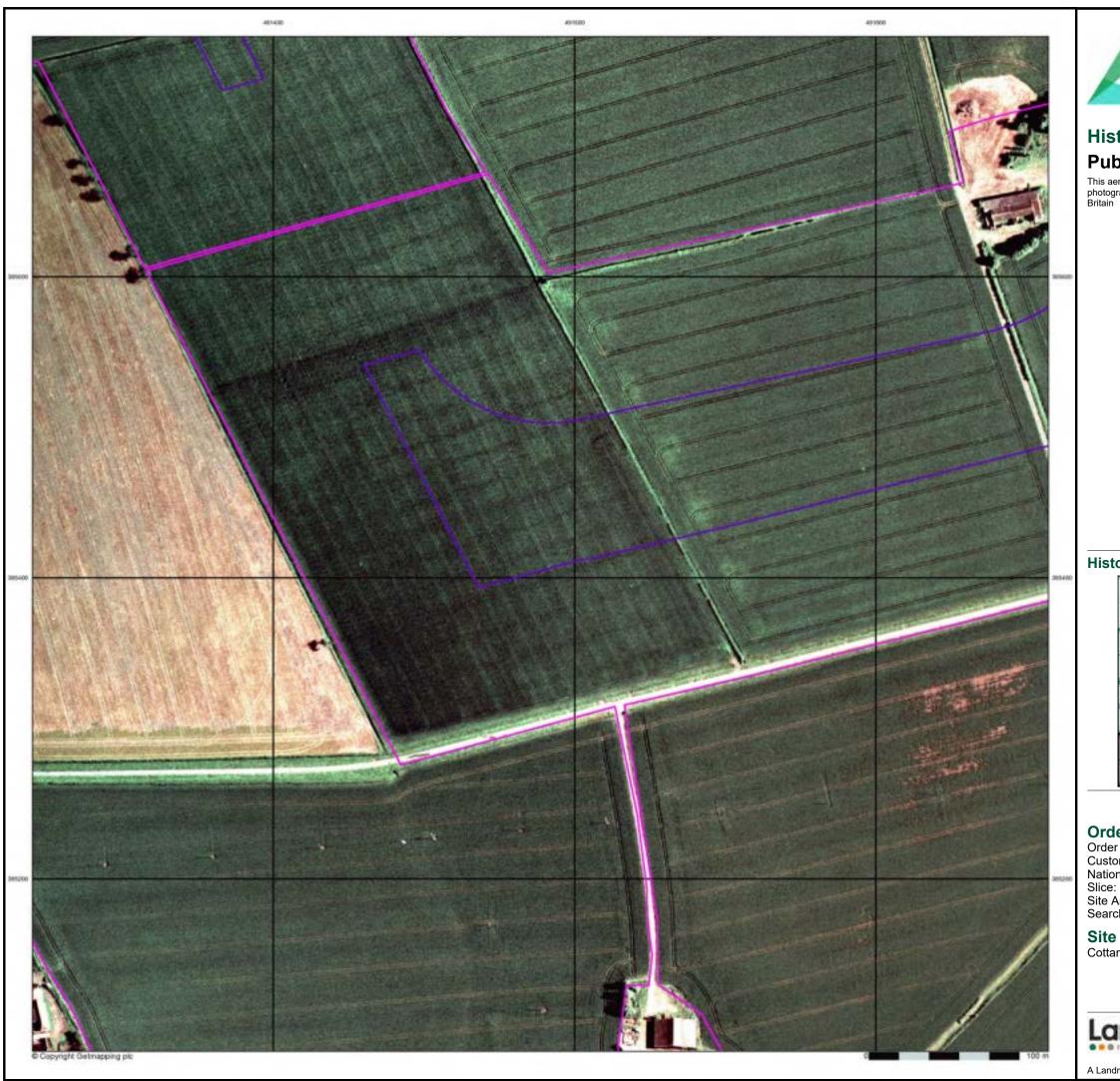
Page 1 of 6







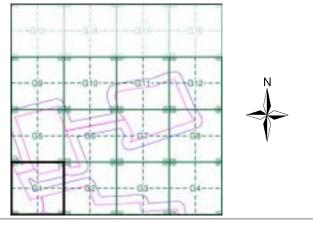






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

#### **Historical Aerial Photography - Segment G1**





Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492430, 386010

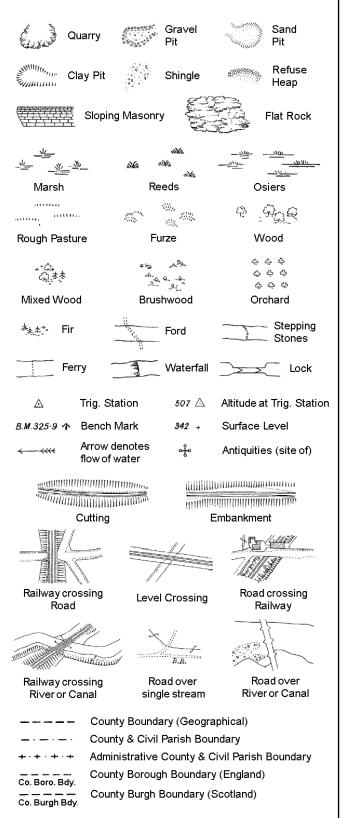
Site Area (Ha): Search Buffer (m): 884.45 100

**Site Details** 

Cottam 1

Landmark

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



B.R.

E.P

F.B.

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

Trough

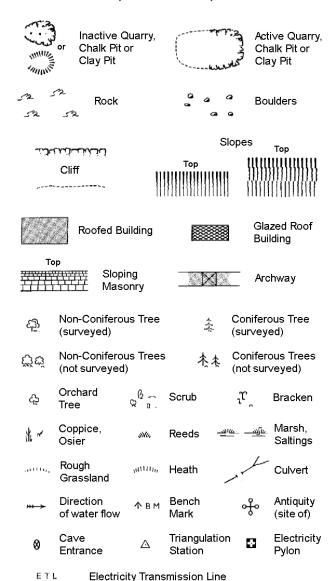
Well

S.P

Sl.

Tr:

#### Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



_ <del>_</del>	•
	County Boundary (Geographical)
· — · — ·	County & Civil Parish Boundary
	Civil Parish Boundary

Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary mereing changes

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

## 1:1,250

			Slo	Slopes Top		
.7.11	لكنائن	-	Гор	utanutann		
	Cliff	11111111	11111111111	33333311333333		
,		1111111	1110111111111			
232	Rock		S	Rock (scattered)		
$\triangle_{\Delta}$	Boulders		<i>_</i>	Boulders (scattered)		
	Positioned	Boulder		Scree		
<u>ස</u> ු	Non-Conif (surveyed	erous Tree )	\$	Coniferous Tree (surveyed)		
ర్లోల్	Non-Conif (not surve	erous Trees yed)	<del></del> ሉ ሉ	Coniferous Trees (not surveyed)		
දා	Orchard Tree	çê a. Sc	rub	<sub>າ</sub> ຕຸ Bracken		
北~	Coppice, Osier	ow₀ Re	eds 🛥	<u>ும்</u> Marsh, Saltings		
artitire,	Rough Grassland	աստո, He	eath	Culvert		
<del>&gt;&gt;&gt;</del>	Direction of water flo		angulatior ation	Antiquity (site of)		
_ E <u>T</u> L _	Electric	city Transmissio	n Line	⊠ Electricity Pylon		
/ <del>/</del> BM	1 231.6úm E	Bench Mark		Buildings with Building Seed		
	Roofed Building Glazed Roof Building					
		Civil parish/co	mmunity b	oundary		
	. <u> </u>	District bound	-	,,		
	_		-			
	· - <u>-</u>	County bounds	<u></u>			
,	o .	Boundary post		1.4 4 41		
1	0	-		ol (note: these ed pairs or groups		
Bks	Barracks		Р	Pillar, Pole or Post		
Bty	Battery		PO	Post Office		
Cemy	Cemetery		PC	Public Convenience		
Chy	Chimney		Pp	Pump		
Cis Diemtel I	Cistern	tlad Pailway	Ppg Sta PW	Pumping Station Place of Worship		
Dismtd F El Gen S	-	itled Railway ity Generating	Sewage P	·		
L. 3011 C	Station		OUTING F	Pumping Station		
EIP	-	Pole, Pillar	SB, S Br	Signal Box or Bridge		
	Sta Electricity	Sub Station	SP, SL	Signal Post or Light		
FB	Filter Bed		Spr	Spring		
Fn/DFi	n Fountain /	Drinking Ftn.	Tk T:-	Tank or Track		

Gas Valve Compound

Mile Post or Mile Stone

Gas Governer

**Guide Post** 

Manhole

Tr

Wd Pp

Wks

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

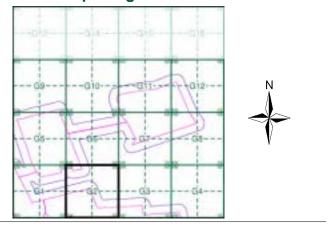
Works (building or area)



#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

#### **Historical Map - Segment G2**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 492430, 386010 Slice: G

Site Area (Ha):

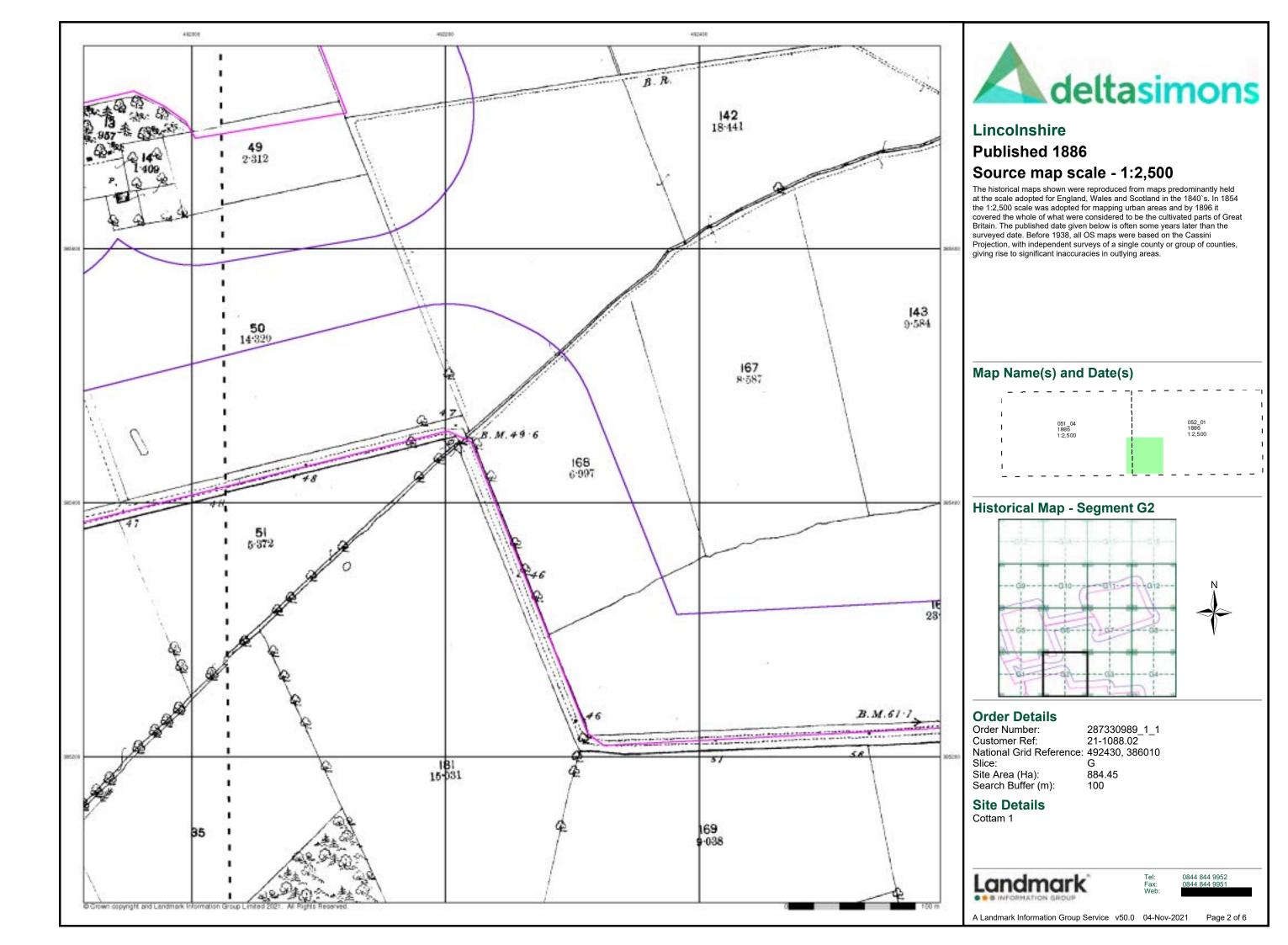
884.45 Search Buffer (m):

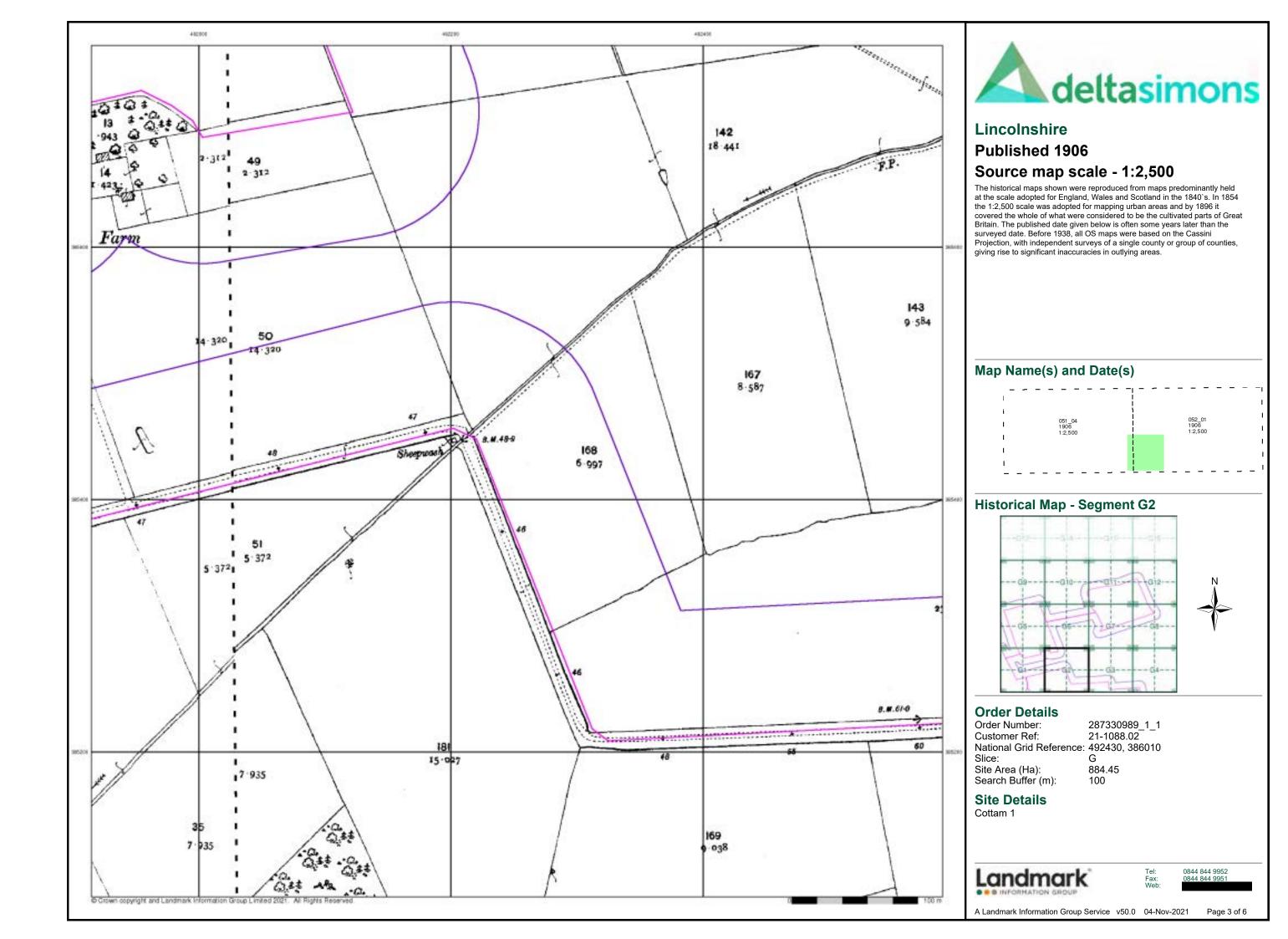
#### **Site Details** Cottam 1

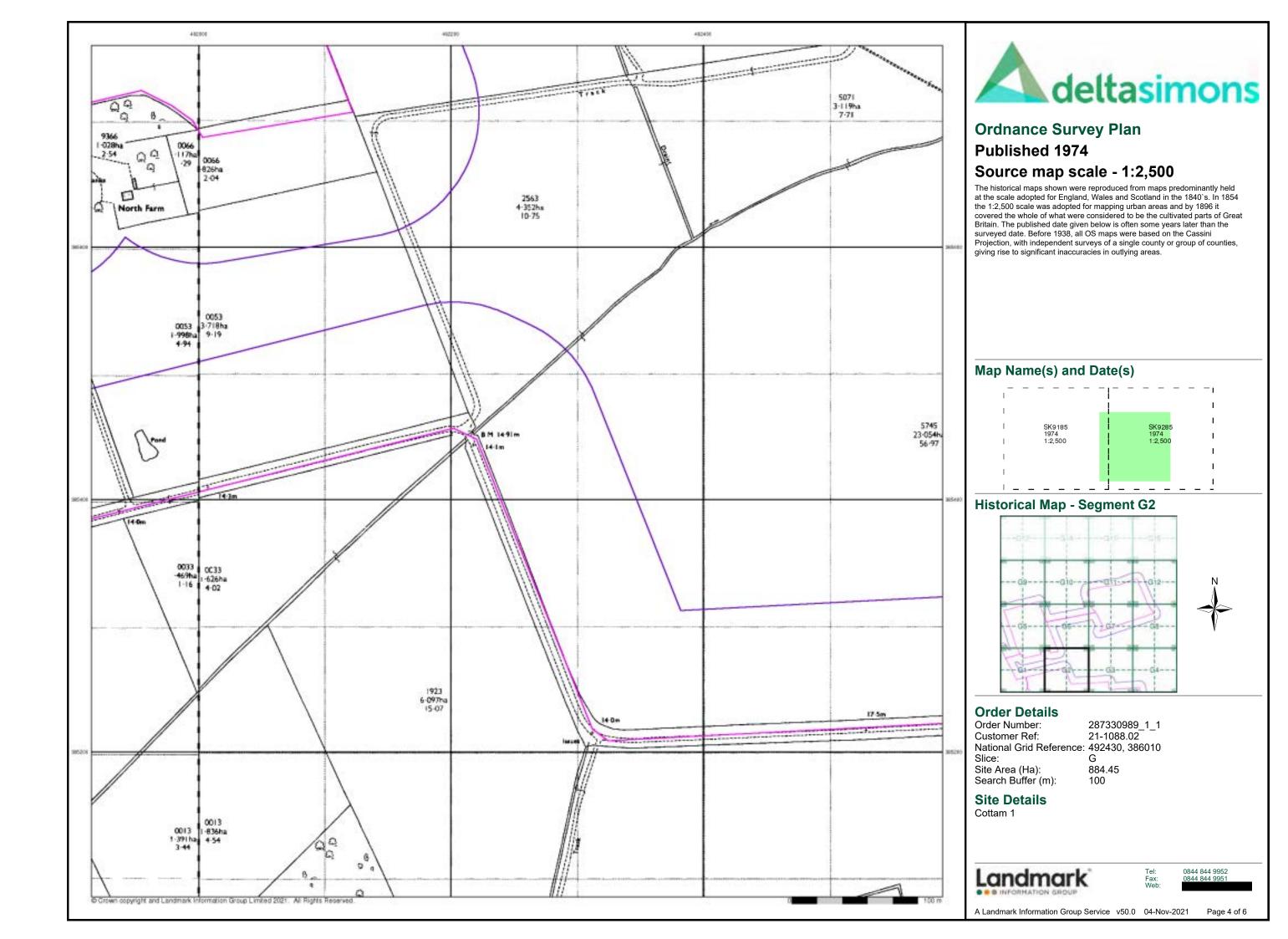
Landmark

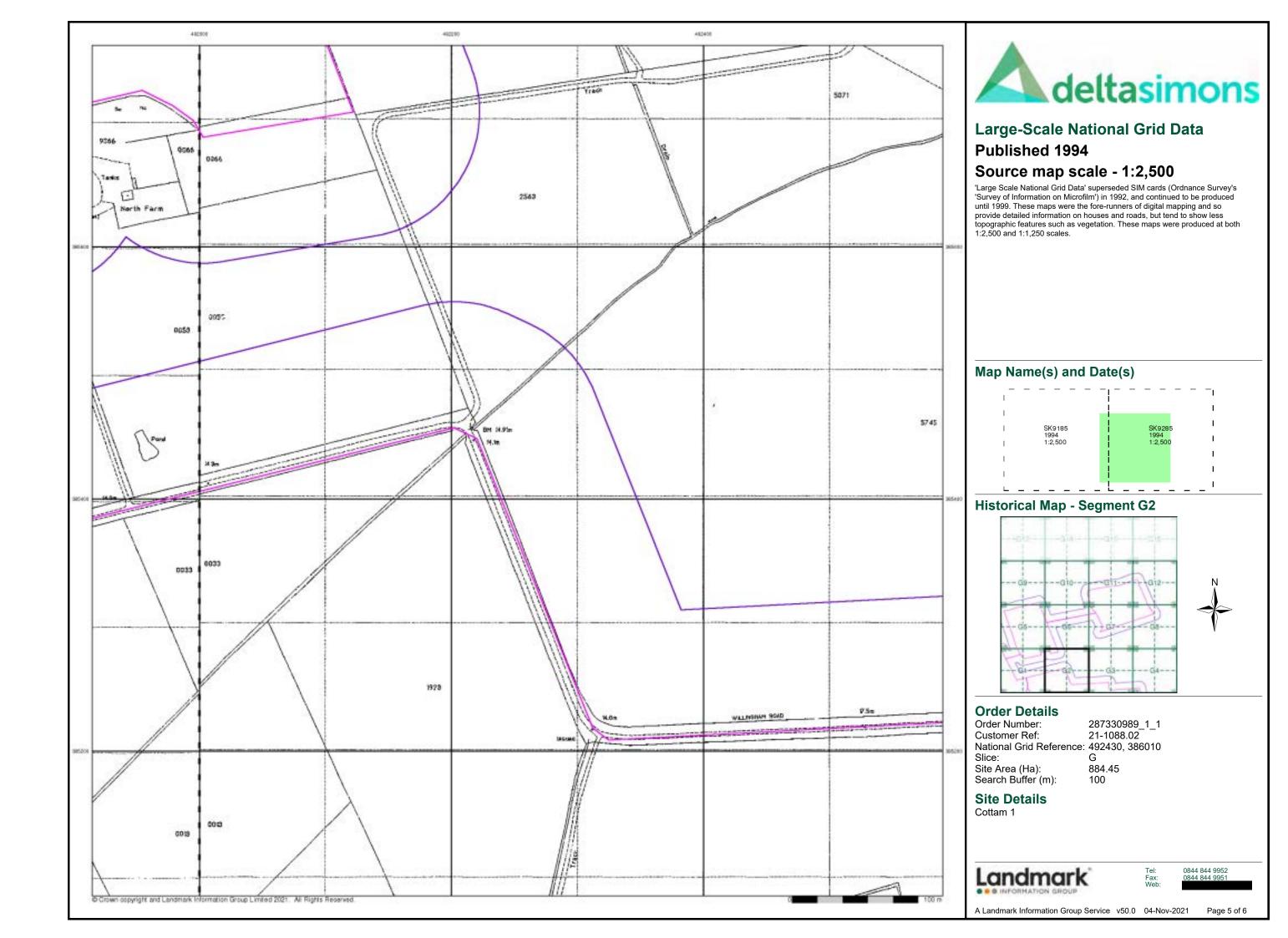
0844 844 9952

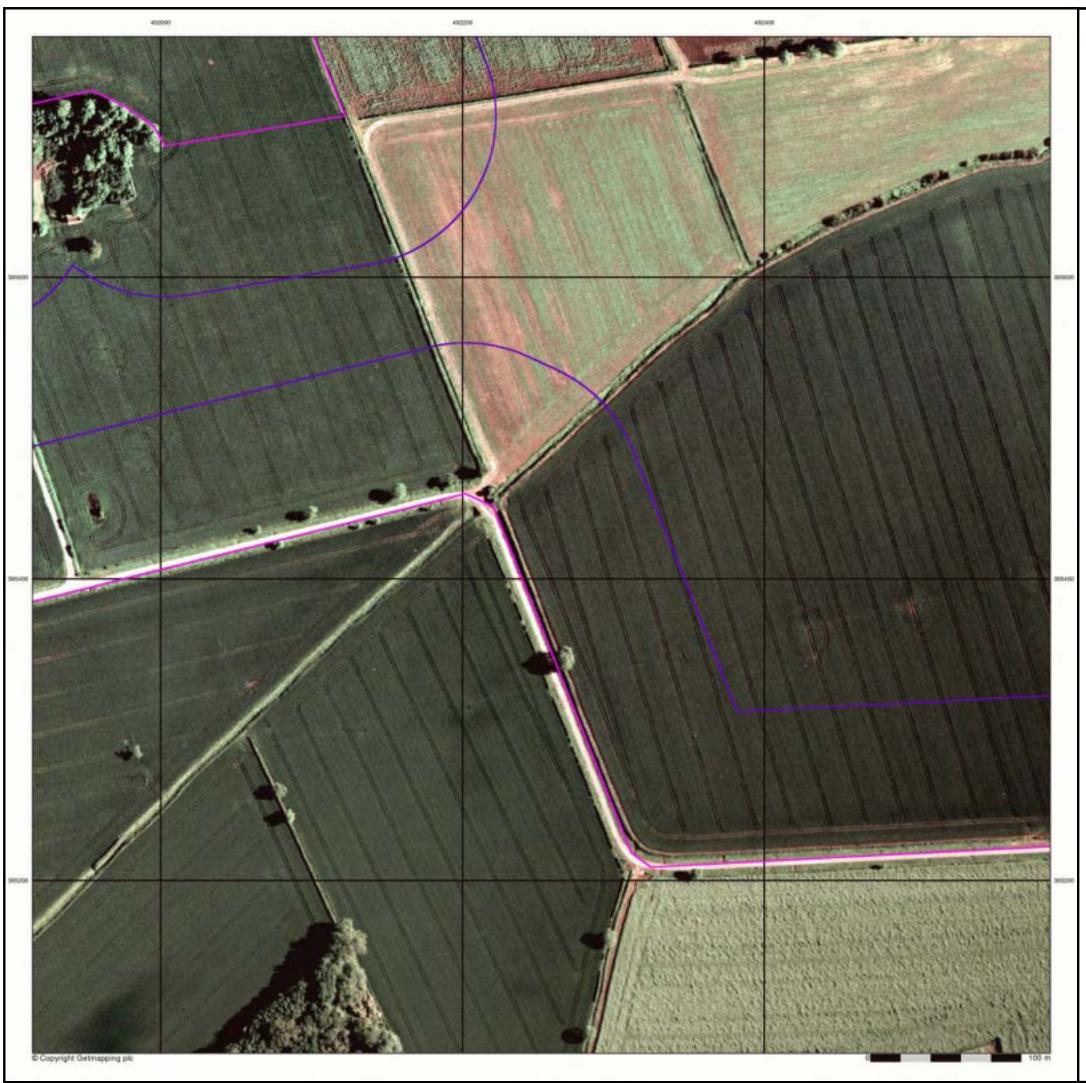
Page 1 of 6







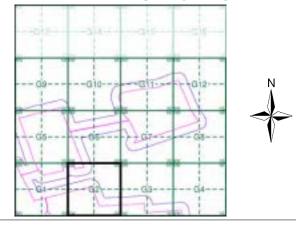






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

#### **Historical Aerial Photography - Segment G2**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492430, 386010 Slice:

Site Area (Ha): Search Buffer (m): 884.45 100

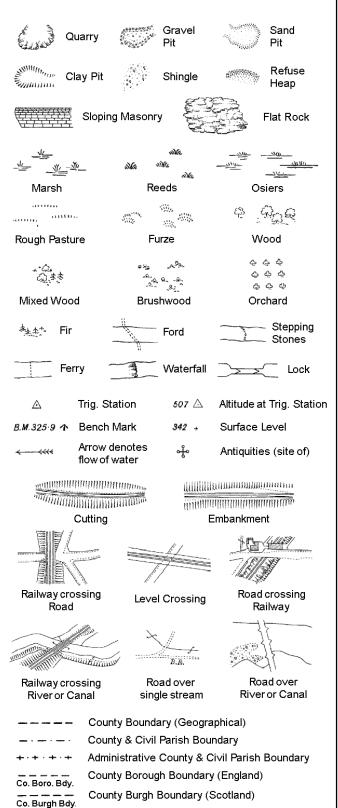
**Site Details** 

Cottam 1

Landmark

0844 844 9952 0844 844 9951

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



B.R.

E.P

F.B.

M.S

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

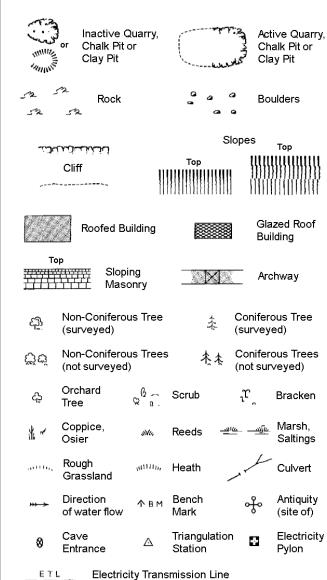
Trough Well

S.P

Sl.

Tr:

#### Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



County Boundary (Geographical) County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary mereing changes

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

# 1:1,250

		Slo	pes Top				
רוב אינה היותר הבאובה היה היותר	Т	ор	uunuumnii				
Cliff			<u> </u>				
	[[[[]]]]]	11(1(1)(1)1111	111111111111111111111				
Stage Rock		23	Rock (scattered)				
△ Boulders		<i>△</i>	Boulders (scattered)				
○ Positione	d Boulder		Scree				
Non-Coni (surveyed	ferous Tree d)	-1-	Coniferous Tree (surveyed)				
ದ್ದಿದ್ದ Non-Coni (not surve	ferous Trees eyed)	春春	Coniferous Trees (not surveyed)				
රු Orchard Tree	Q Ω Scr	ub	<sub>າ</sub> ຕຸ Bracken				
Coppice, Osier	ww. Ree	eds 🗝	<u>س سین</u> Marsh, Saltings				
Rough Grasslan	տուստ, Head	ath	Culvert				
Direction of water f		angulation tion	Antiquity (site of)				
E_TL Electri	city Transmissio	n Line	Electricity Pylon				
 	Bench Mark		Buildings with Building Seed				
Roof	Roofed Building Glazed Roof Building						
	Civil parish/cor	nmunity b	oundary				
<u> </u>	District bounda	=	odildai y				
	County bounda	-					
٥	Boundary post/						
,0	Boundary mere	ing symbo	ol (note: these d pairs or groups				
Bks Barracks		Р	Pillar, Pole or Post				
Bty Battery		PO	Post Office				
Cerny Cernetery		PC	Public Convenience				
Chy Chimney		Pp Do a Sto	Pump Bumping Station				
Cis Cistern Dismtd Rly Disma	ntled Railway	Ppg Sta PW	Pumping Station Place of Worship				
•	city Generating	Sewage P	og Sta Sewage				
	ı y Pole, Pillar	SB, S Br	Pumping Station Signal Box or Bridge				
El Sub Sta Electricit		SP, SL	Signal Post or Light				
FB Filter Bed		Spr	Spring				

Fn / D Fn Fountain / Drinking Ftn.

Gas Governer

**Guide Post** 

Manhole

Gas Valve Compound

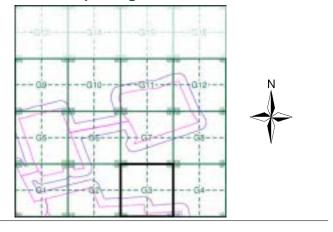
Mile Post or Mile Stone



#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

#### **Historical Map - Segment G3**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 **Customer Ref:** National Grid Reference: 492430, 386010 Slice: G

884.45 Site Area (Ha): Search Buffer (m):

#### **Site Details**

Tank or Track

Trough

Wind Pump Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Tr

Wd Pp

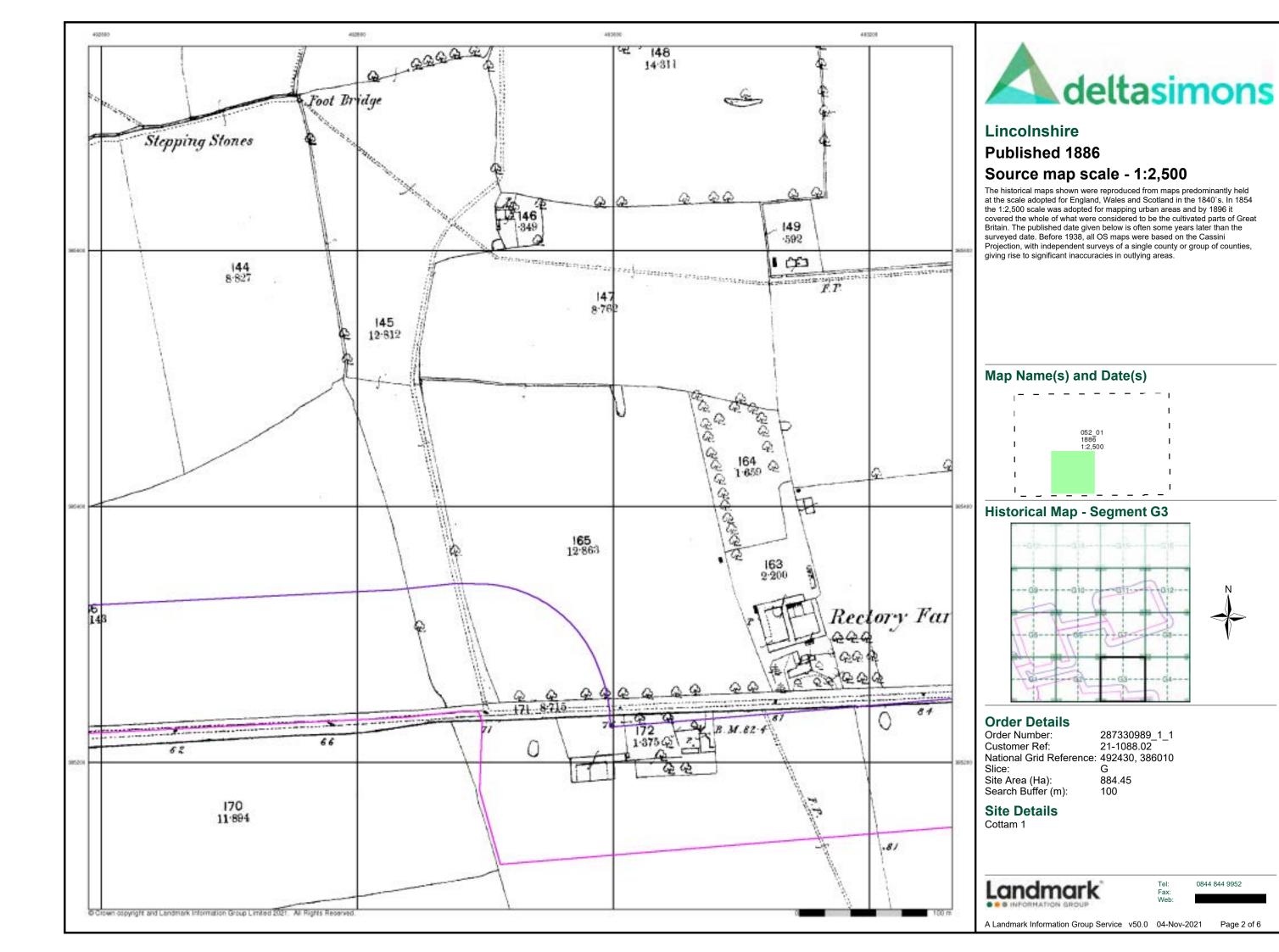
Wks

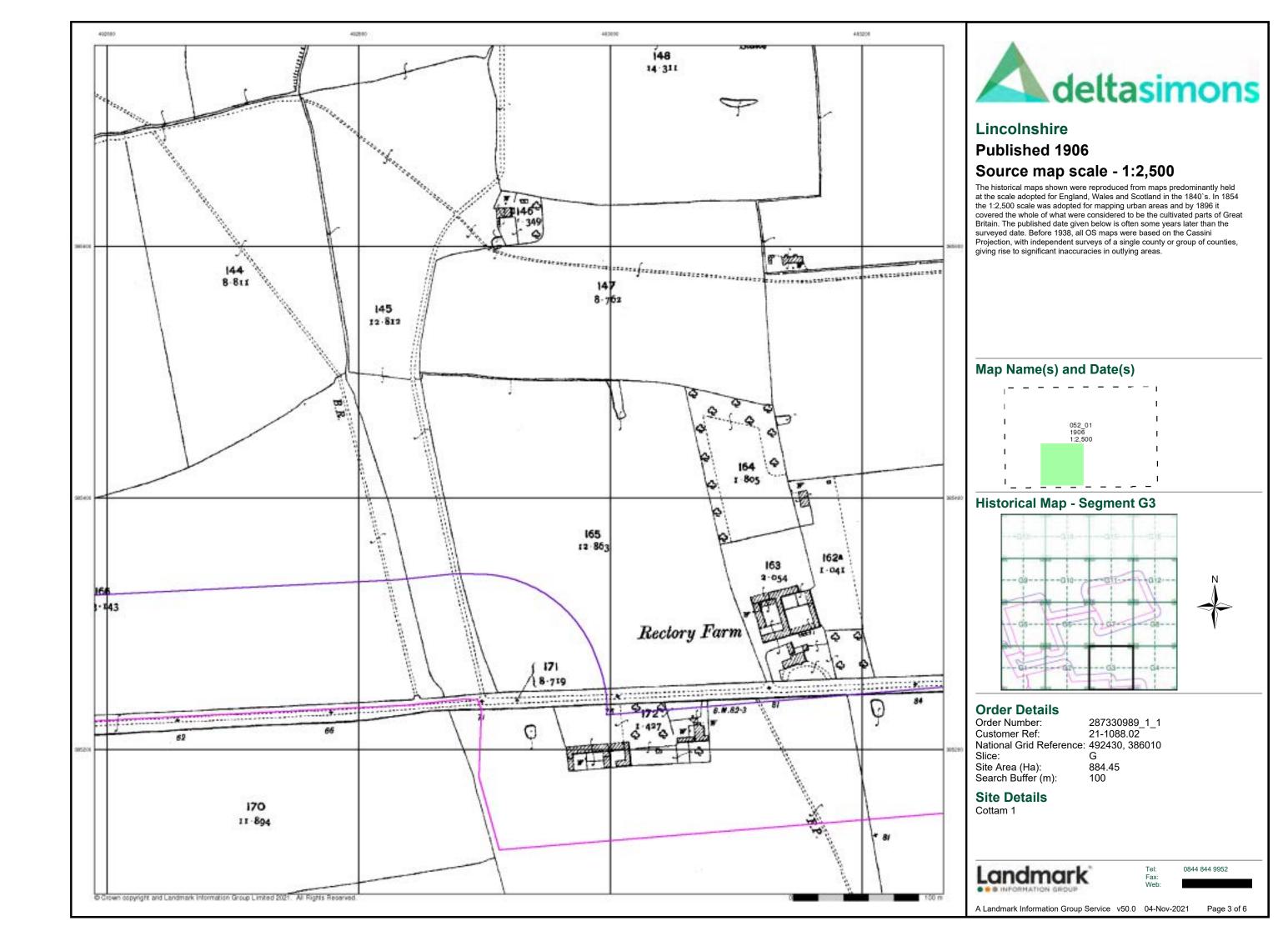
Cottam 1

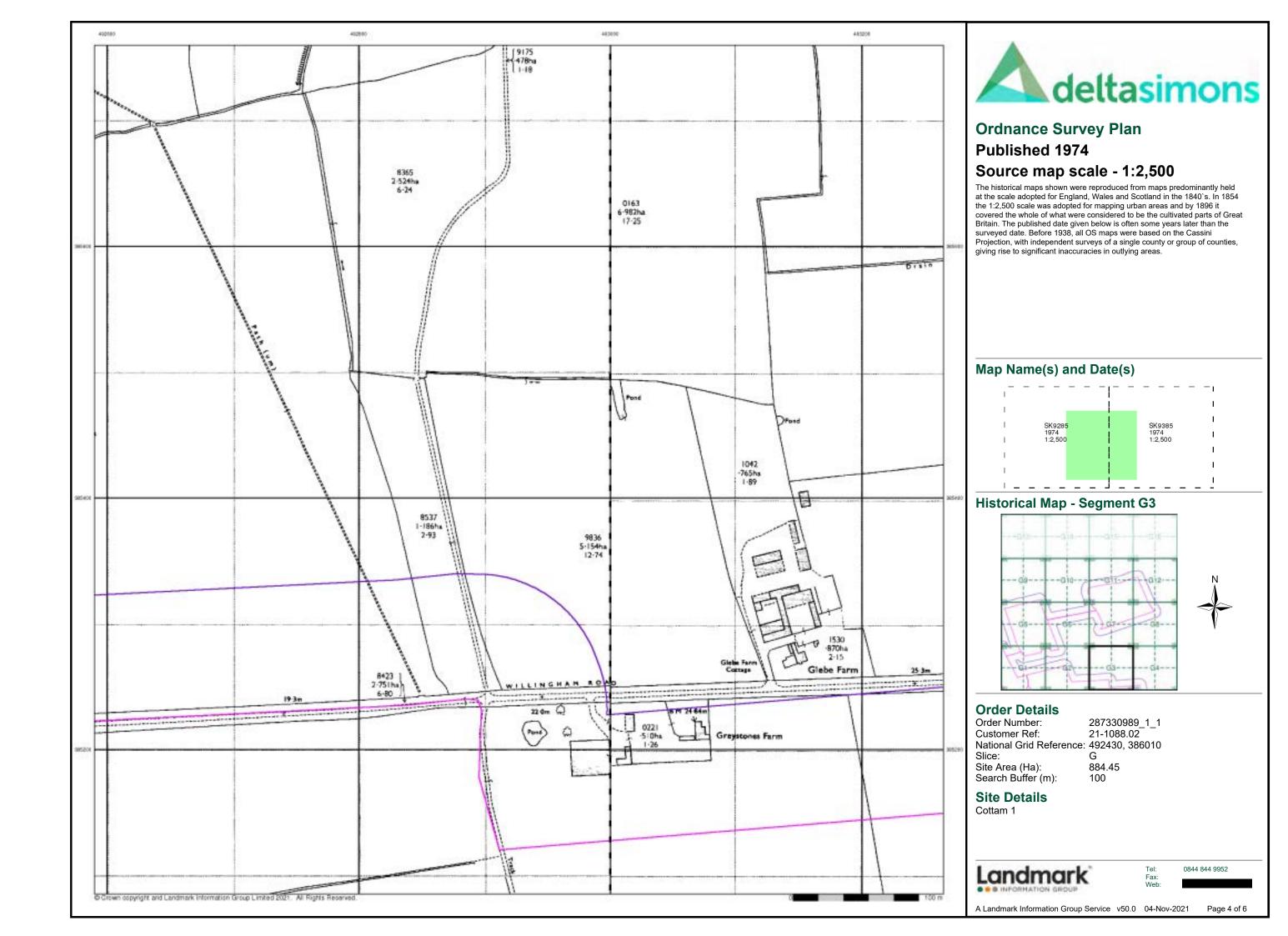


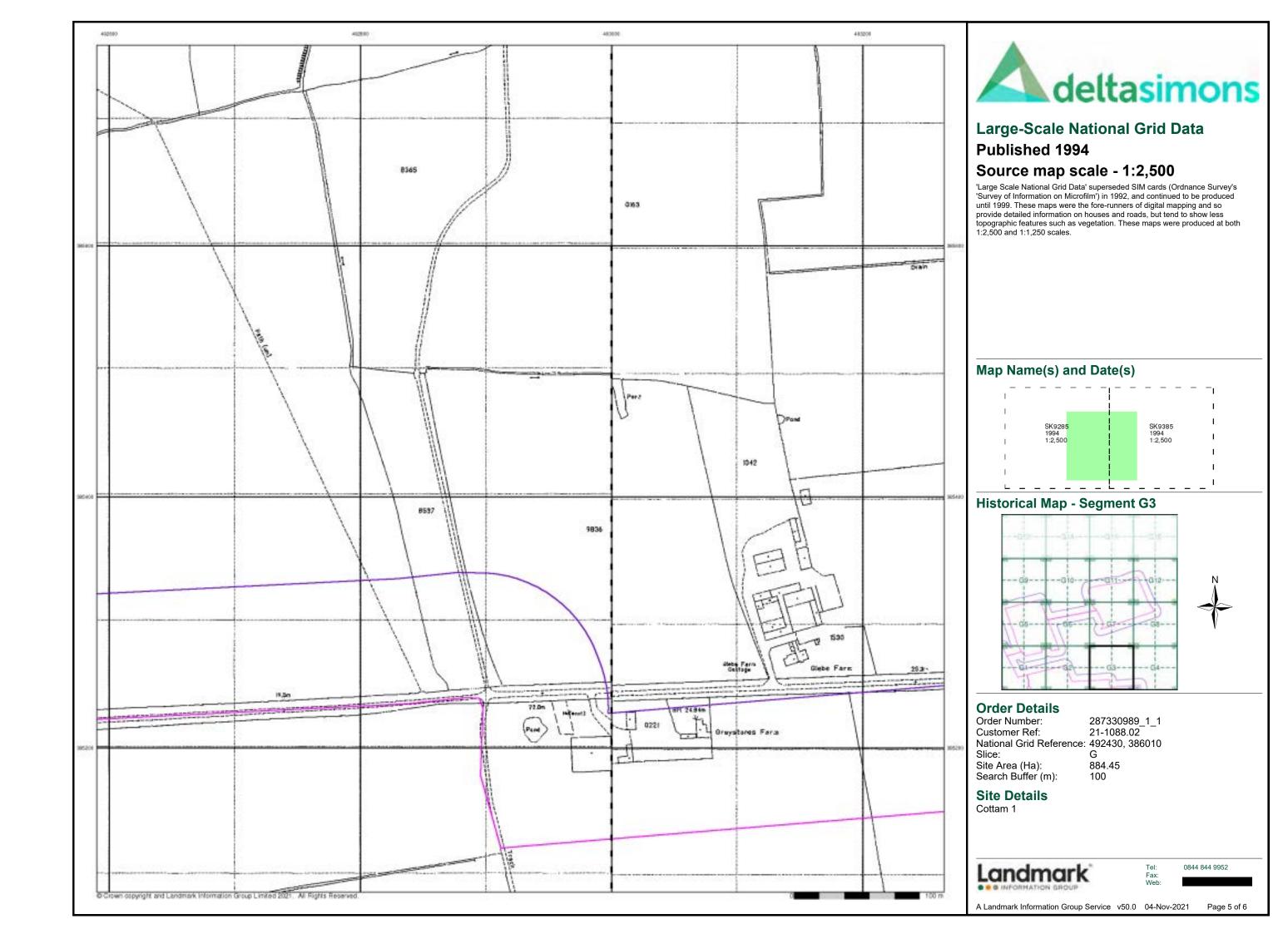
0844 844 9952

Page 1 of 6







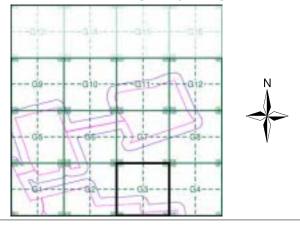






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

#### **Historical Aerial Photography - Segment G3**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492430, 386010

Slice:

Site Area (Ha): Search Buffer (m): 884.45 100

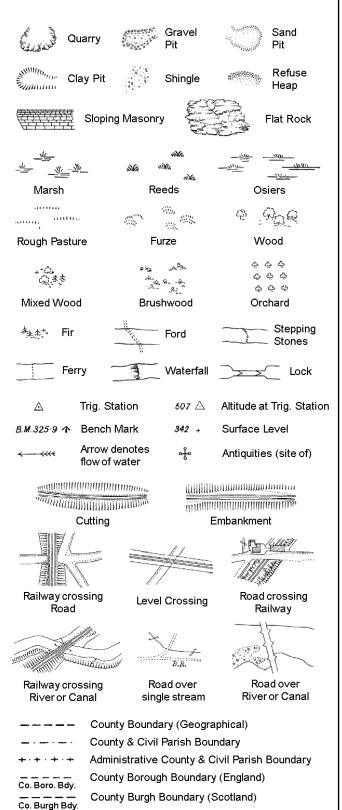
#### **Site Details**

Cottam 1

Landmark'

0844 844 9952

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



B.R.

EP

F.B.

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

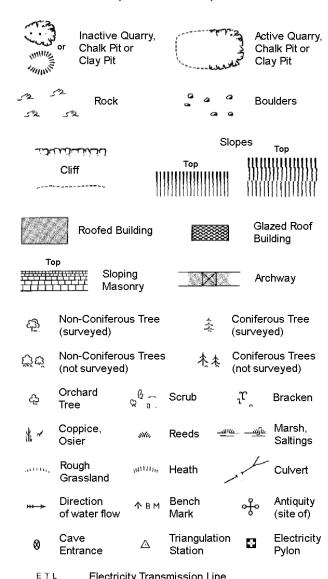
Trough Well

S.P

Sl.

Tr:

#### Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



ETL Elect	tricity Transmission Line
	County Boundary (Geographical)
. — . — .	County & Civil Parish Boundary
	Civil Parish Boundary
· <del></del> · ·	Admin. County or County Bor. Boundary
L B Bdy	London Borough Boundary
2	Symbol marking point where boundary mereing changes

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

## 1:1,250

			Slo	opes .	Тор
ا انطانات	للنفلساند		Тор	1111111	1111111111
(	Cliff	111111	HIMITITURE	- ))))))	)))))))))))
				1111111	
520	Rock		23	Rock (sc	attered)
$\triangle_{\underline{a}}$	Boulders		۵	Boulders	(scattered)
	Positioned	Boulder		Scree	
ফ্র	Non-Conif (surveyed	erous Tree )	*	Conifero (surveye	
Ďΰ	Non-Conif (not surve	erous Trees yed)	杰杰	Conifero (not surv	ous Trees reyed)
Ą.	Orchard Tree	Q a. S	Scrub	<sup>1</sup> L	Bracken
# ~	Coppice, Osier	asta, F	Reeds 🛥	<u> ш</u> је	Marsh, Saltings
astilie,	Rough Grassland	anna, F	Heath	1	Culvert
<del>*** &gt;-</del>	Direction of water flo		riangulatior Station	ું નું	Antiquity (site of)
E_T_L	Electric	ity Transmiss	ion Line	$\boxtimes$	Electricity Pylon
<b>/</b> ₹\ BM	291.60m E	Bench Mark	7	Building Building	ıs with ı Seed
	Roofe	ed Building	· ·	×	azed Roof ilding
• • •	• •	Civil parish/o	<del>-</del>	oundary	
		District boun	dary		
_ •		County boun	dary		
٥		Boundary po	st/stone		
مر		Boundary me always appe of three)			
Bks	Barracks		Р	Pillar, Pol	e or Post
Bty	Battery		PO	Post Offic	ce
Cemy	Cemetery		PC	Public Co	onvenience
Chy	Chimney		Pp	Pump	
Cis	Cistern		Ppg Sta	Pumping	Station
Dismtd R	ly Disman	tled Railway	PW	Place of V	Vorship
El Gen St	a Electric Station	ity Generating	Sewage P	pg Sta Se	wage Imping Station
EIP		Pole, Pillar	SB, S Br		ox or Bridge
	a Electricity		SP, SL	_	ost or Light
FB	Filter Bed		Spr	Spring	or at Figure
			- P.	- P. III 18	

Fn / D Fn Fountain / Drinking Ftn.

Gas Governer

**Guide Post** 

Manhole

Gas Valve Compound

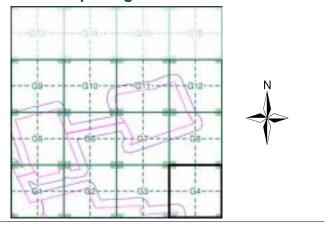
Mile Post or Mile Stone



#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

#### **Historical Map - Segment G4**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 492430, 386010 Slice:

Site Area (Ha):

884.45 Search Buffer (m):

**Site Details** Cottam 1

Tank or Track

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Tr

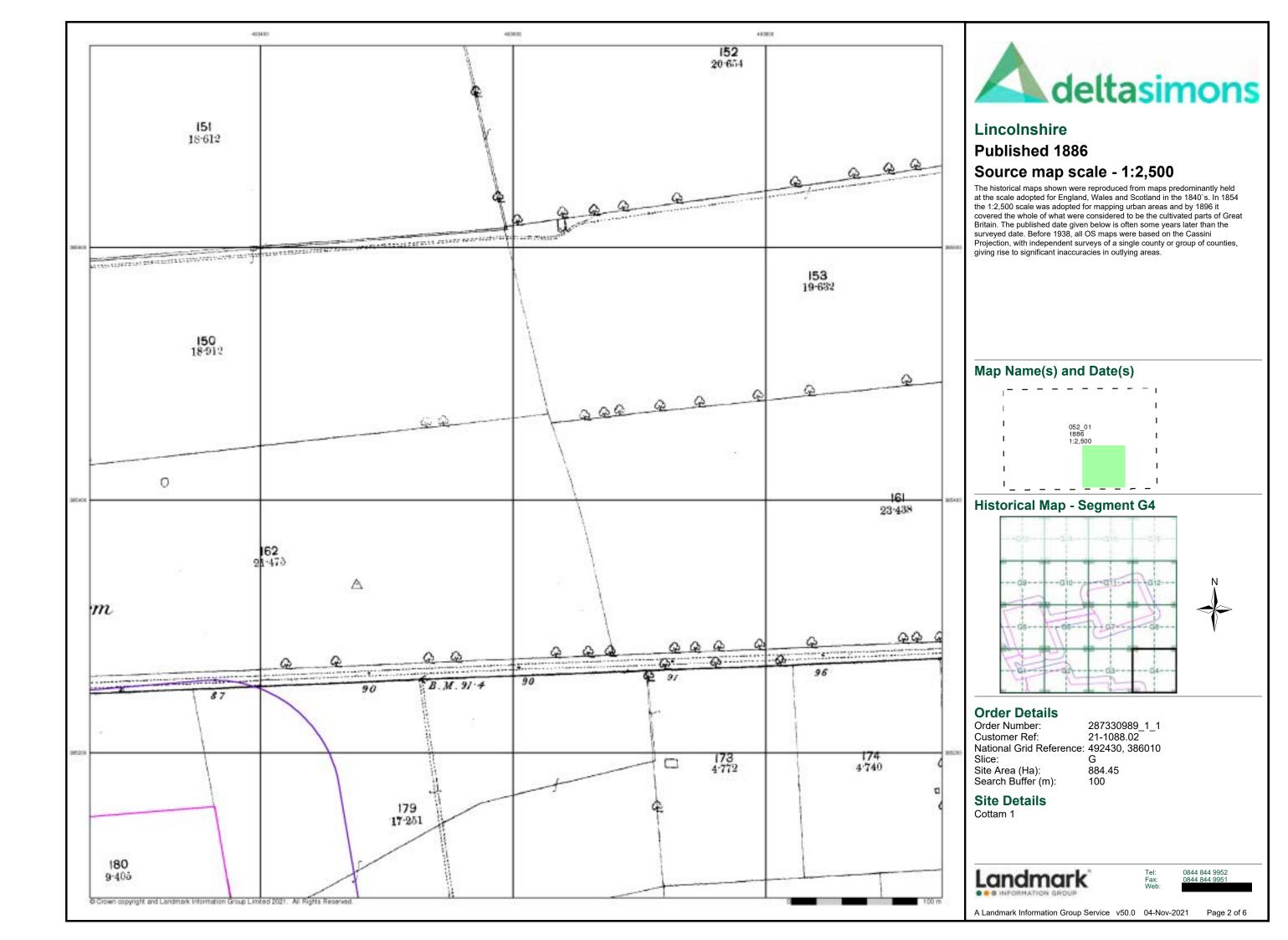
Wd Pp

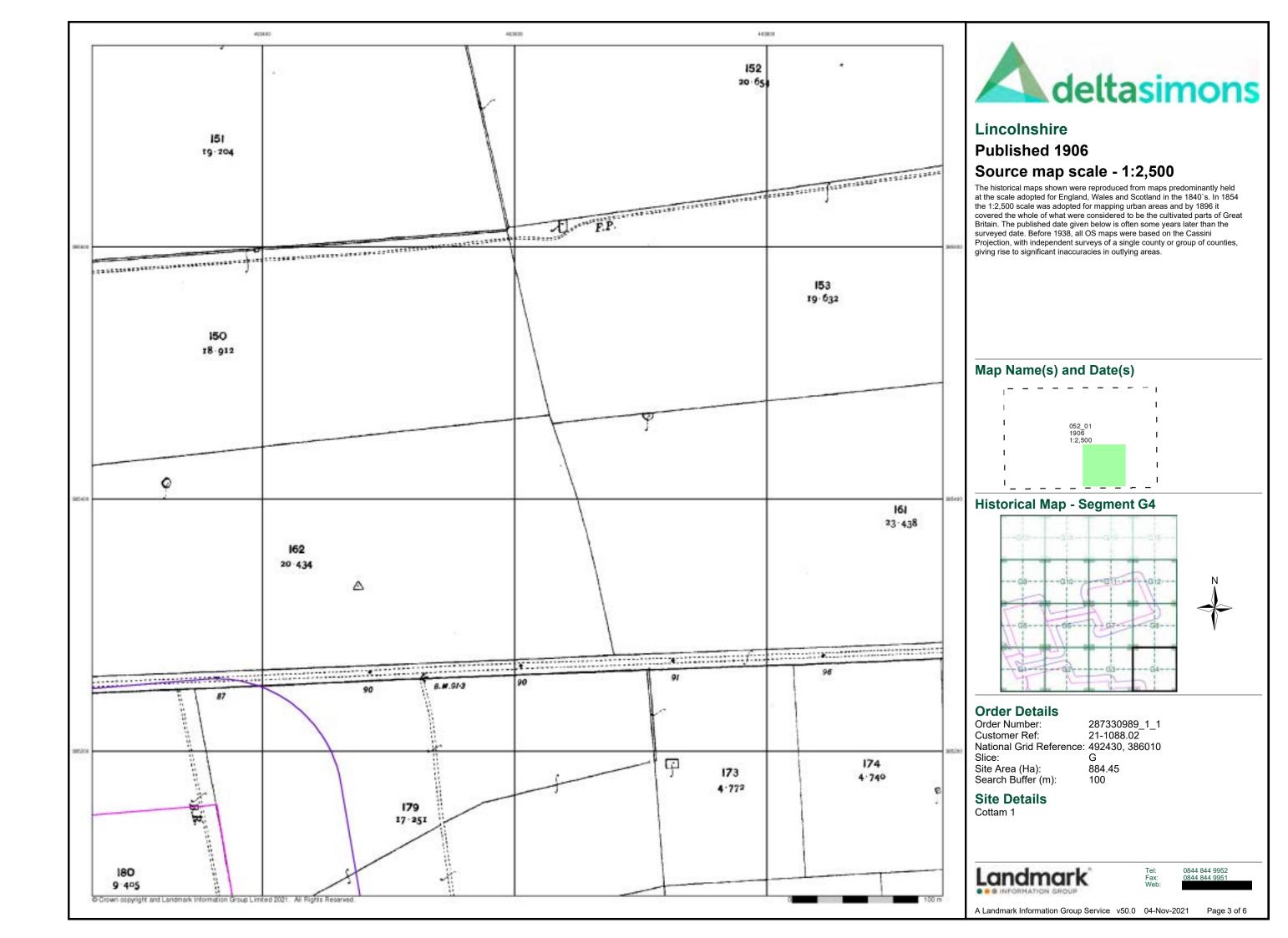
Wks

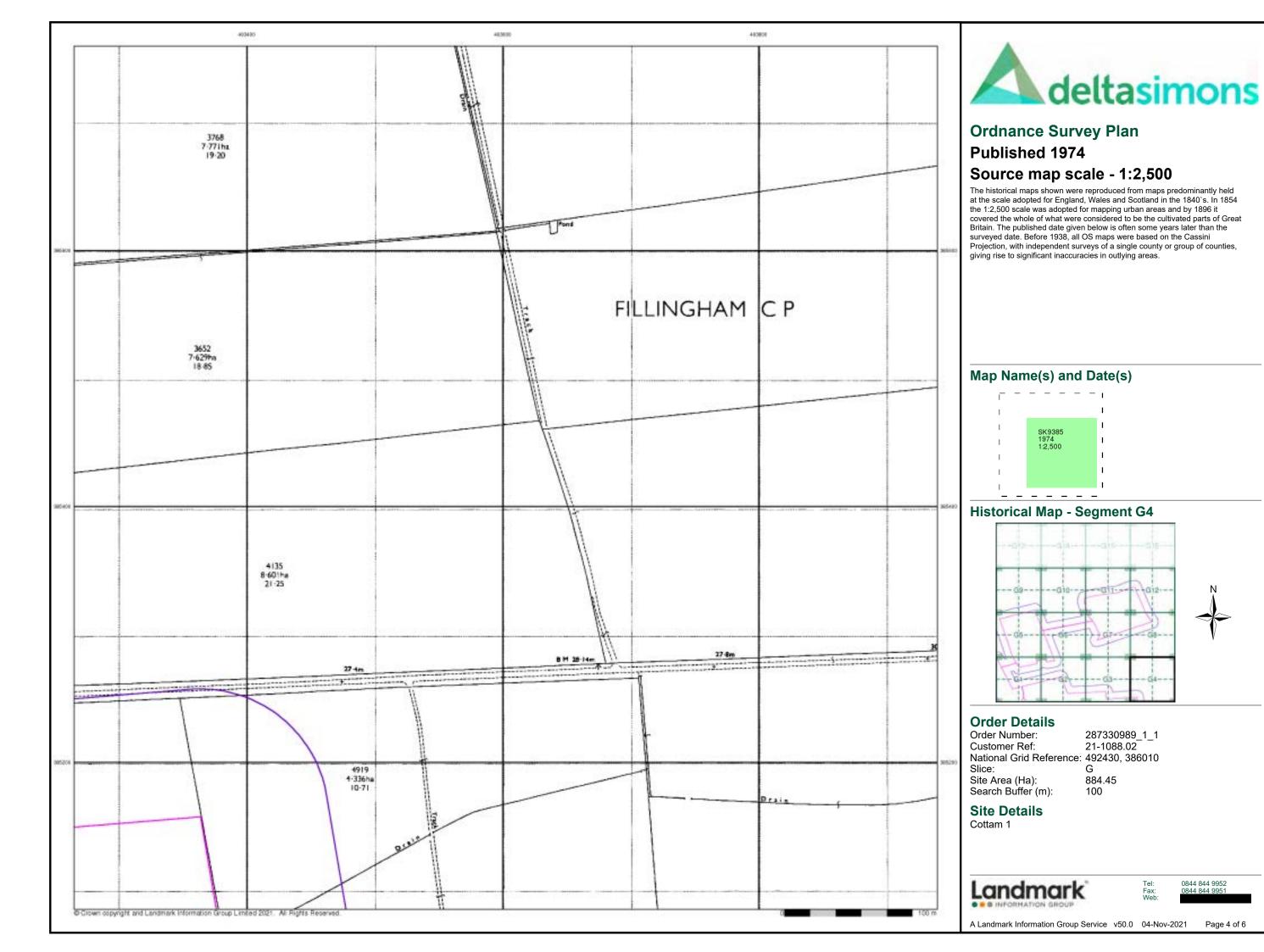


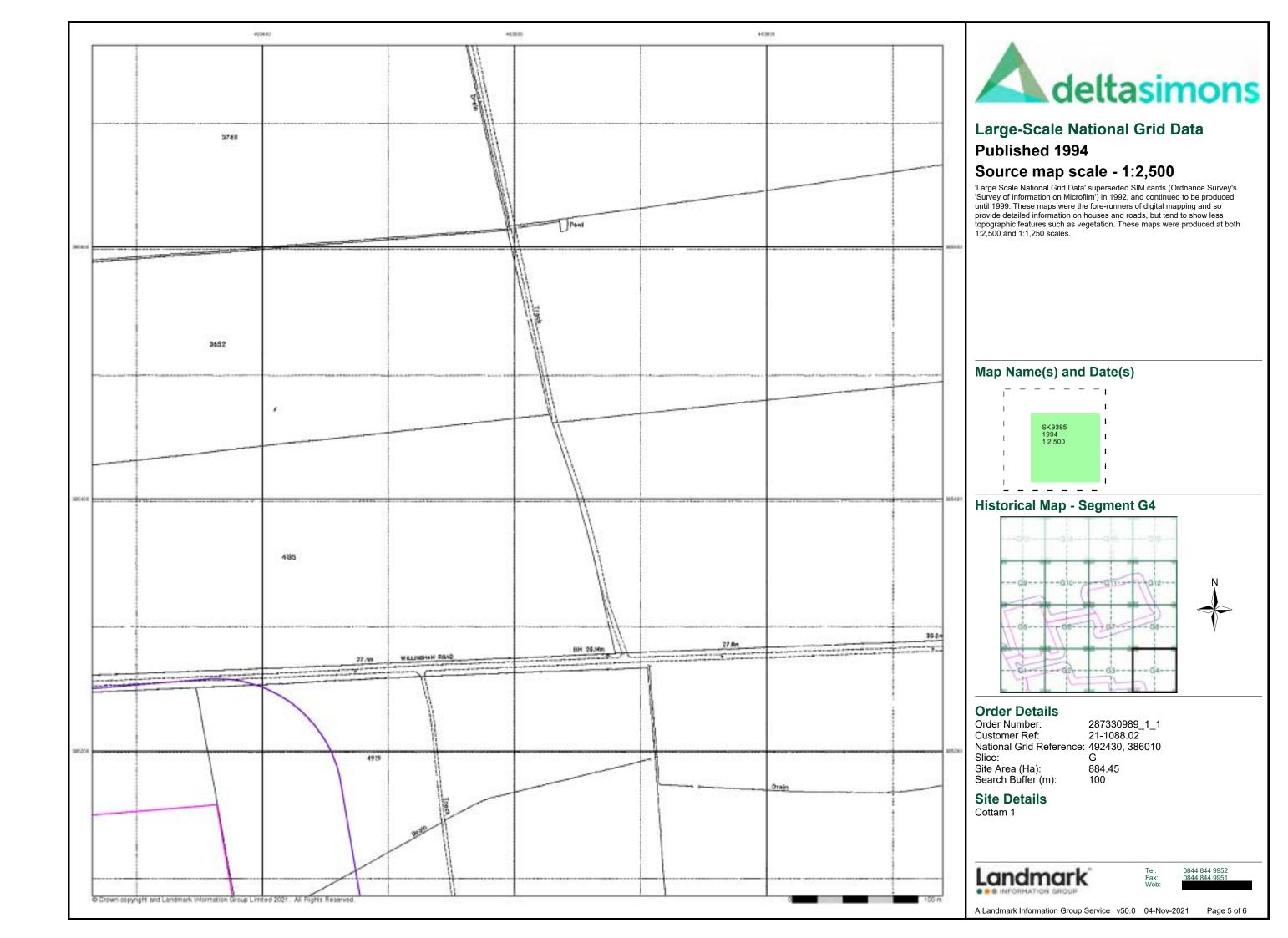


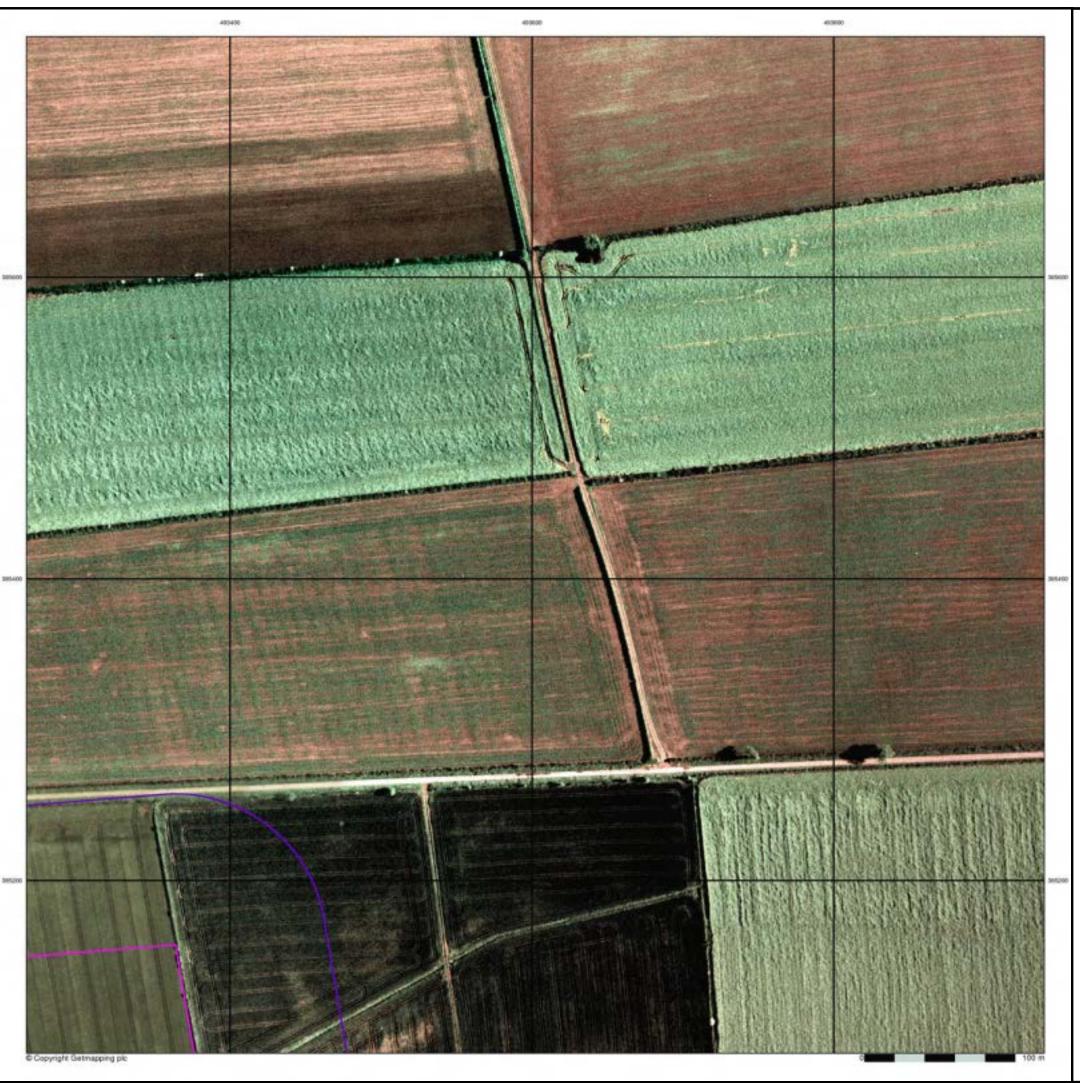
Page 1 of 6







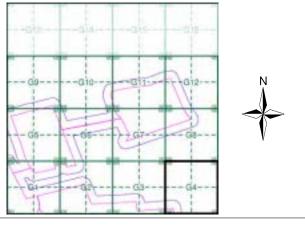






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

#### **Historical Aerial Photography - Segment G4**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492430, 386010

Slice:

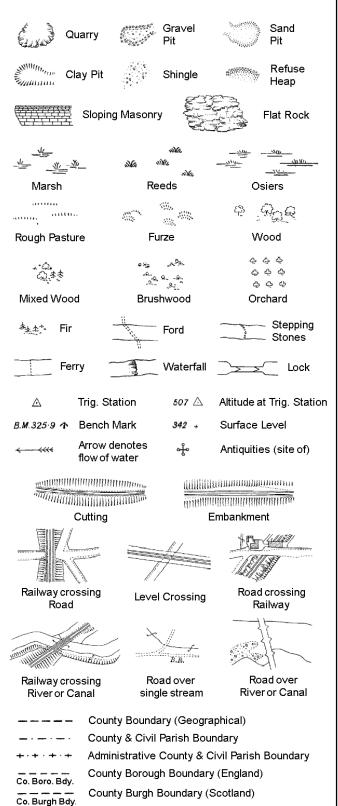
Site Area (Ha): Search Buffer (m): 884.45

**Site Details** 

Cottam 1

Landmark

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



B.R.

EP

F.B.

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

Trough

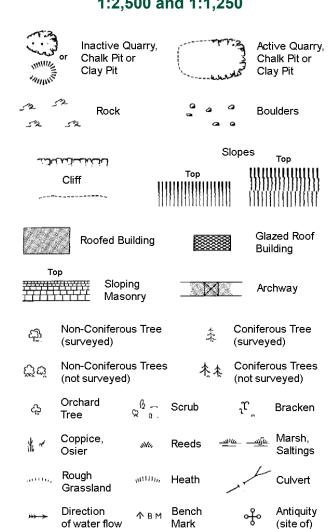
Well

S.P

Sl.

Tr:

Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



Cave

	anony transmission line
	County Boundary (Geographical)
· — · — ·	County & Civil Parish Boundary
	Civil Parish Boundary
· <del>- +</del> · - + ·	Admin. County or County Bor. Boundary
L B Bdy	London Borough Boundary
~ ***	Symbol marking point where boundary mereing changes

Triangulation

Electricity

Ŧ.

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

## 1:1,250

***************************************		Slopes Top					
		Top		<b>!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!</b>	9 <b>, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1</b>		
523	Rock		23	Rock (sc	attered)		
$\triangle$	Boulders		۵	Boulders	(scattered)		
	Positioned Boulde	er		Scree			
<u>කු</u>	Non-Coniferous T (surveyed)	ree	-1-	Conifero surveye			
ర్లోలే	Non-Coniferous T (not surveyed)	rees	/IN .A.	Conifero (not surv	us Trees eyed)		
දා	Orchard ℓ Tree ♀	⊊ Scru	b	ır,	Bracken		
* ~	Coppice, Osier	w, Reed	ls <u>-w</u> la	<u>—————————————————————————————————————</u>	Marsh, Saltings		
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Rough "" Grassland	<sup>⊔u,</sup> Heat	h /	1	Culvert		
<del>&gt;&gt;&gt; →</del>	Direction of water flow	∆ Trian Stati	gulation on	ઌ૾ૺ	Antiquity (site of)		
E_TL	_ Electricity Trar	smission	Line	$\boxtimes$	Electricity Pylon		
/ <del>/</del> / вм	Buildings with Building Seed						
	Roofed Building Glazed Roof Building						
	• • • • Civil parish/community boundary						
	•	t boundar	-	· an a an y			
_ •		y boundary	•				
٥		ary post/st					
		ary mereir		l (note: t	haca		
٥		s appear in					
Bks	Barracks	F	•	Pillar, Pole	e or Post		
Bty	Battery		20	Post Offic			
Cemy	Cemetery		o Po		nvenience		
Chy Cis	Chimney Cistern		~p ⊃pg Sta	Pump Pumping:	Station		
Dismtd R			PW	Place of W			
El Gen S	ta Electricity Gener Station	ating \$	Sewage Pp		wage mping Station		
EIP	Electricity Pole, Pill	ar S	8B, S Br		x or Bridge		
El Sub S	ta Electricity Sub Stat	ion s	SP, SL	Signal Po	st or Light		
FB	Filter Bed	5	Spr	Spring			
Fn / D Fn	Fountain / Drinking	Ftn.	Γk	Tank or Tr	ack		

Gas Valve Compound

Mile Post or Mile Stone

Wd Pp

Wind Pump Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Gas Governer

**Guide Post** 

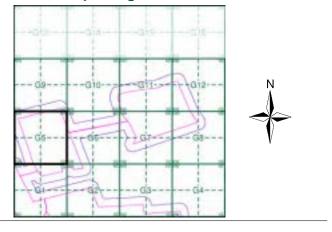
Manhole



#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

#### **Historical Map - Segment G5**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 492430, 386010 Slice:

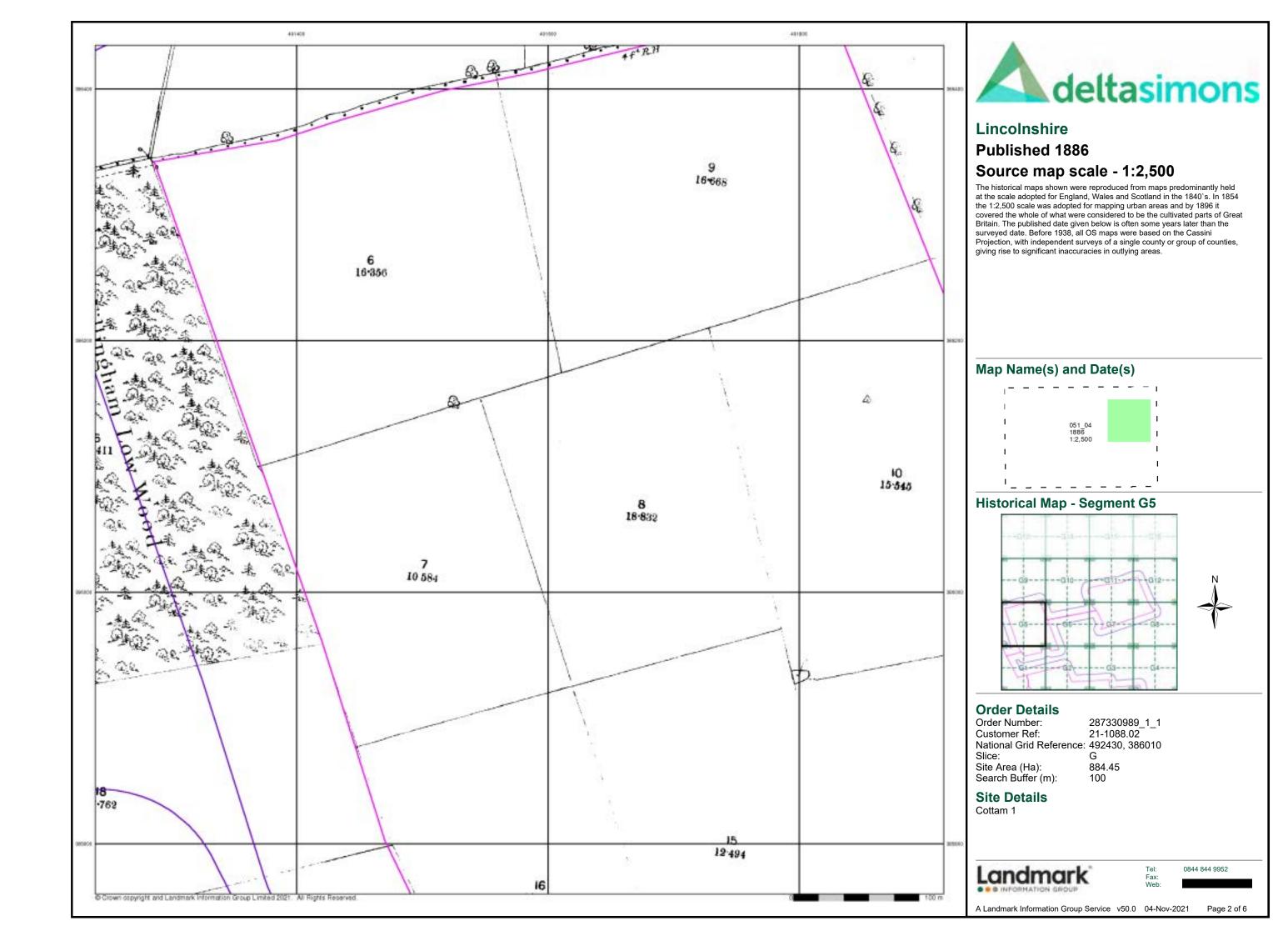
Site Area (Ha):

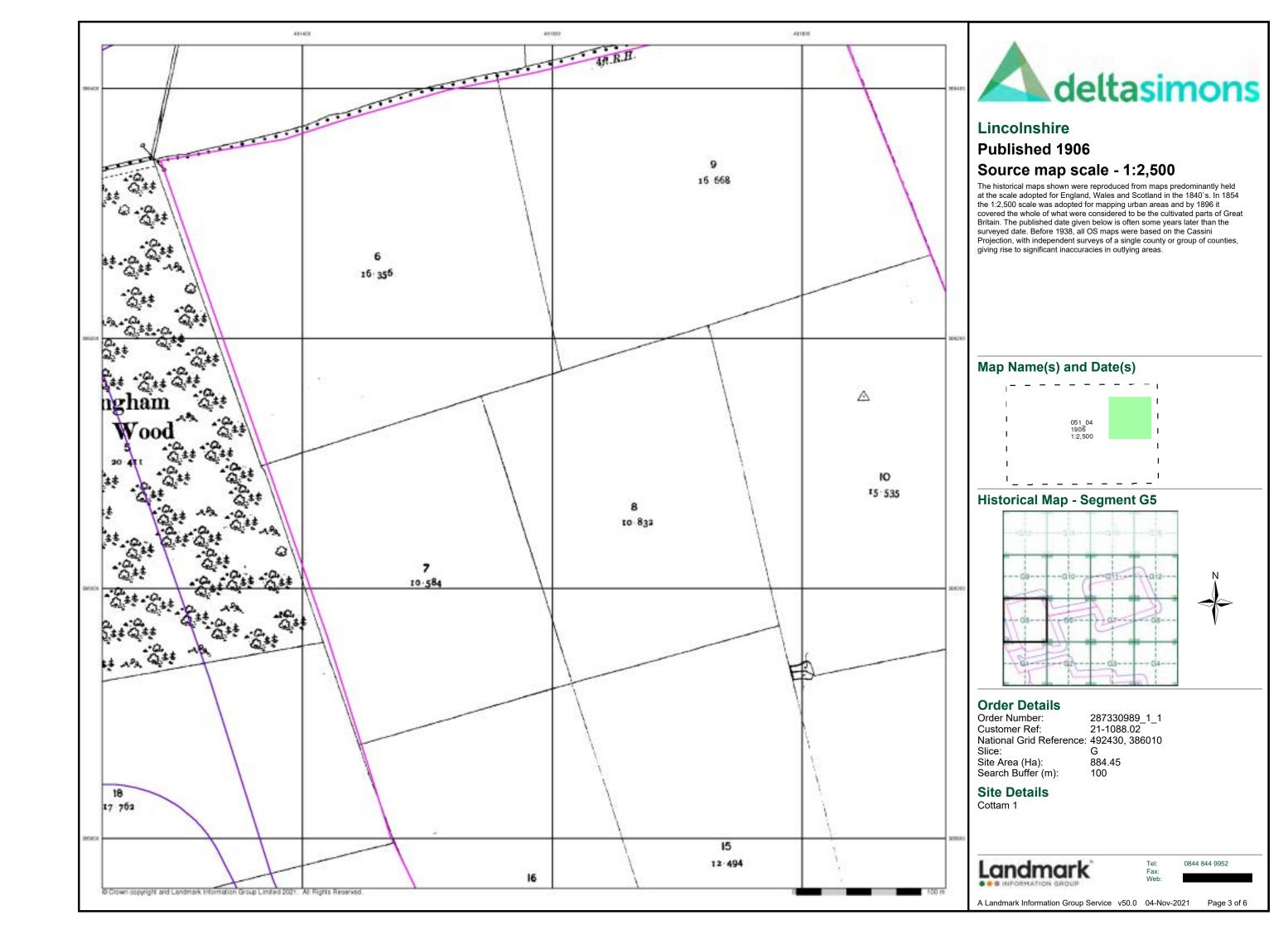
884.45 Search Buffer (m):

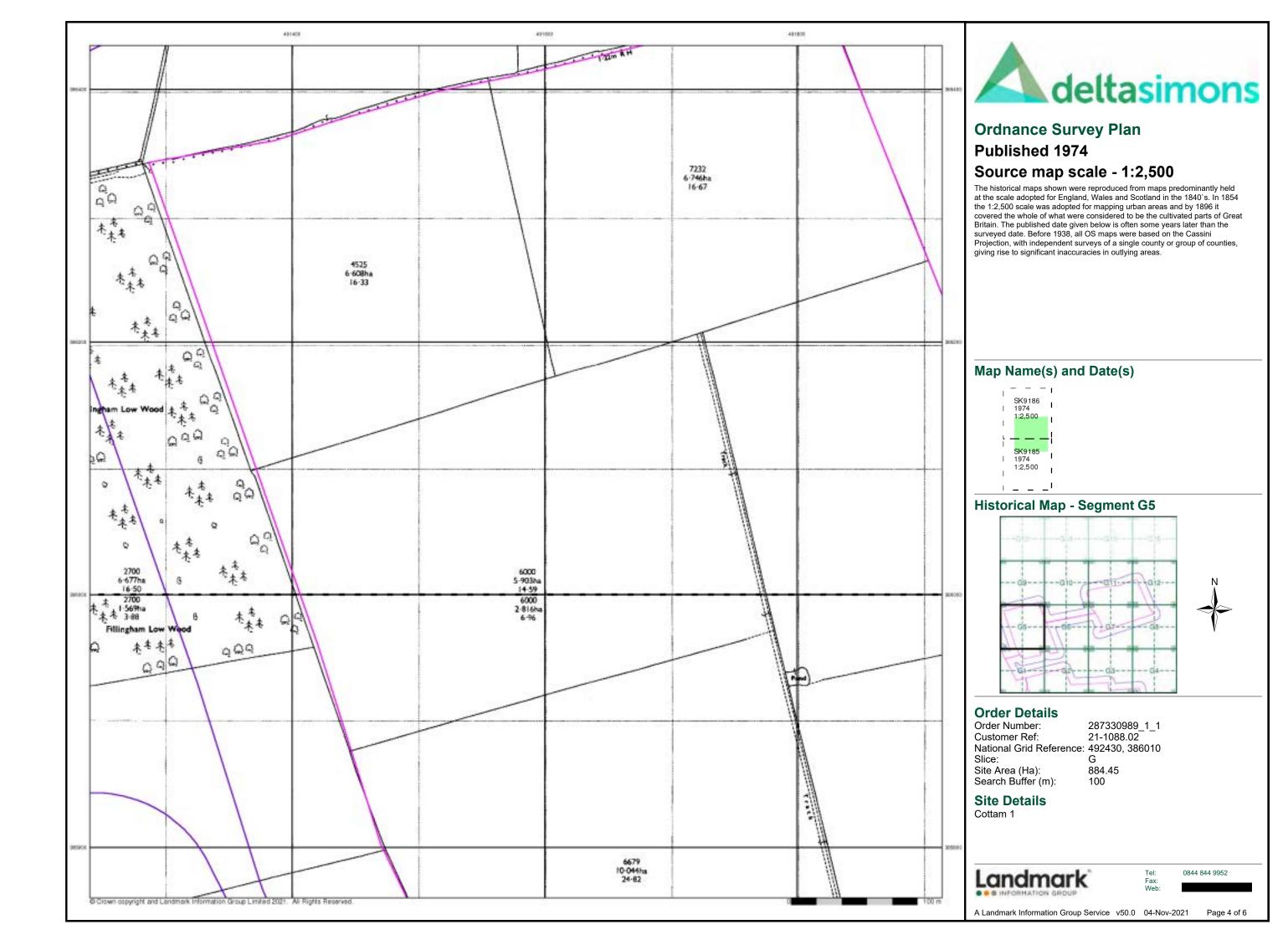
**Site Details** Cottam 1

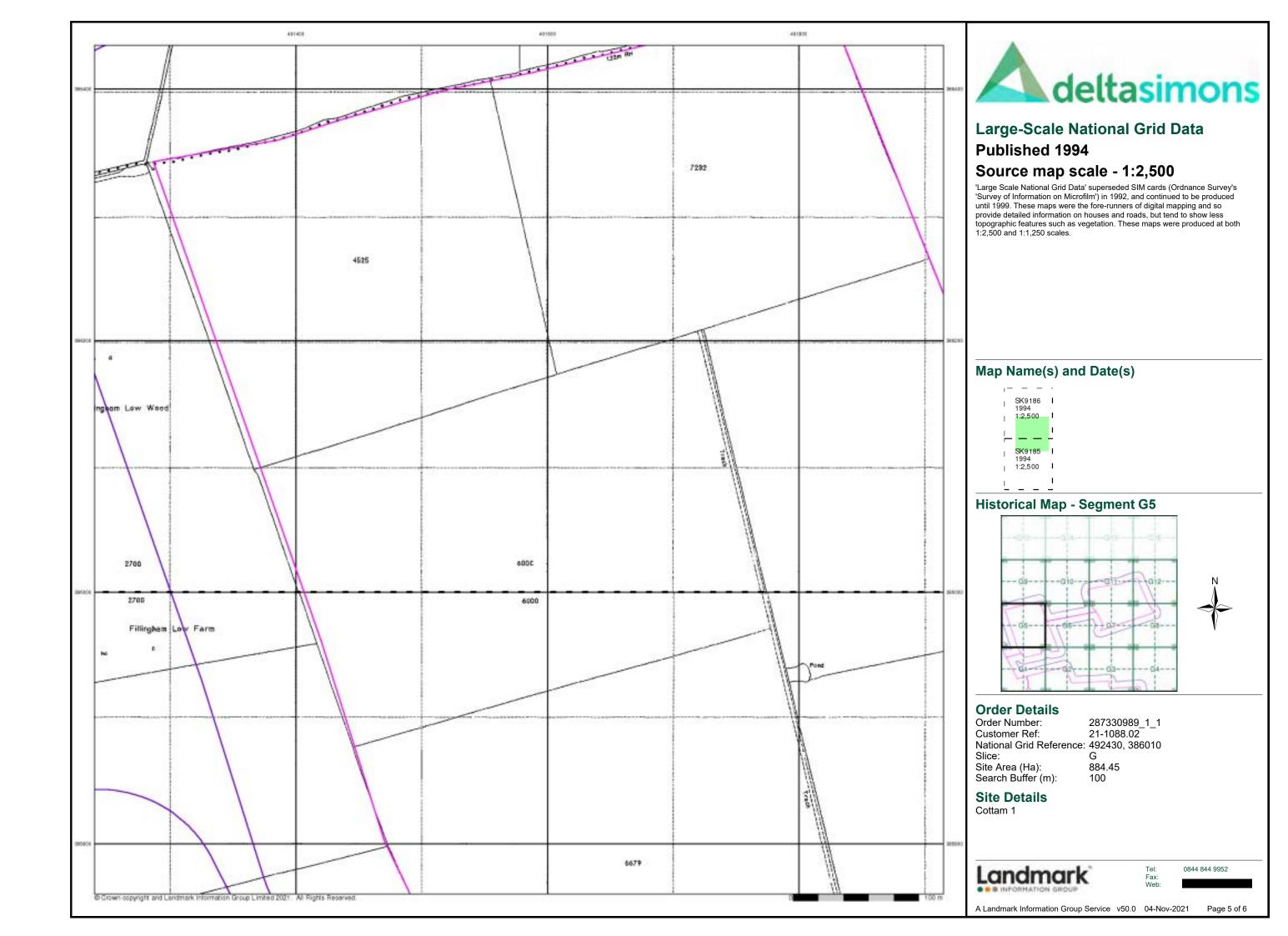
Landmark

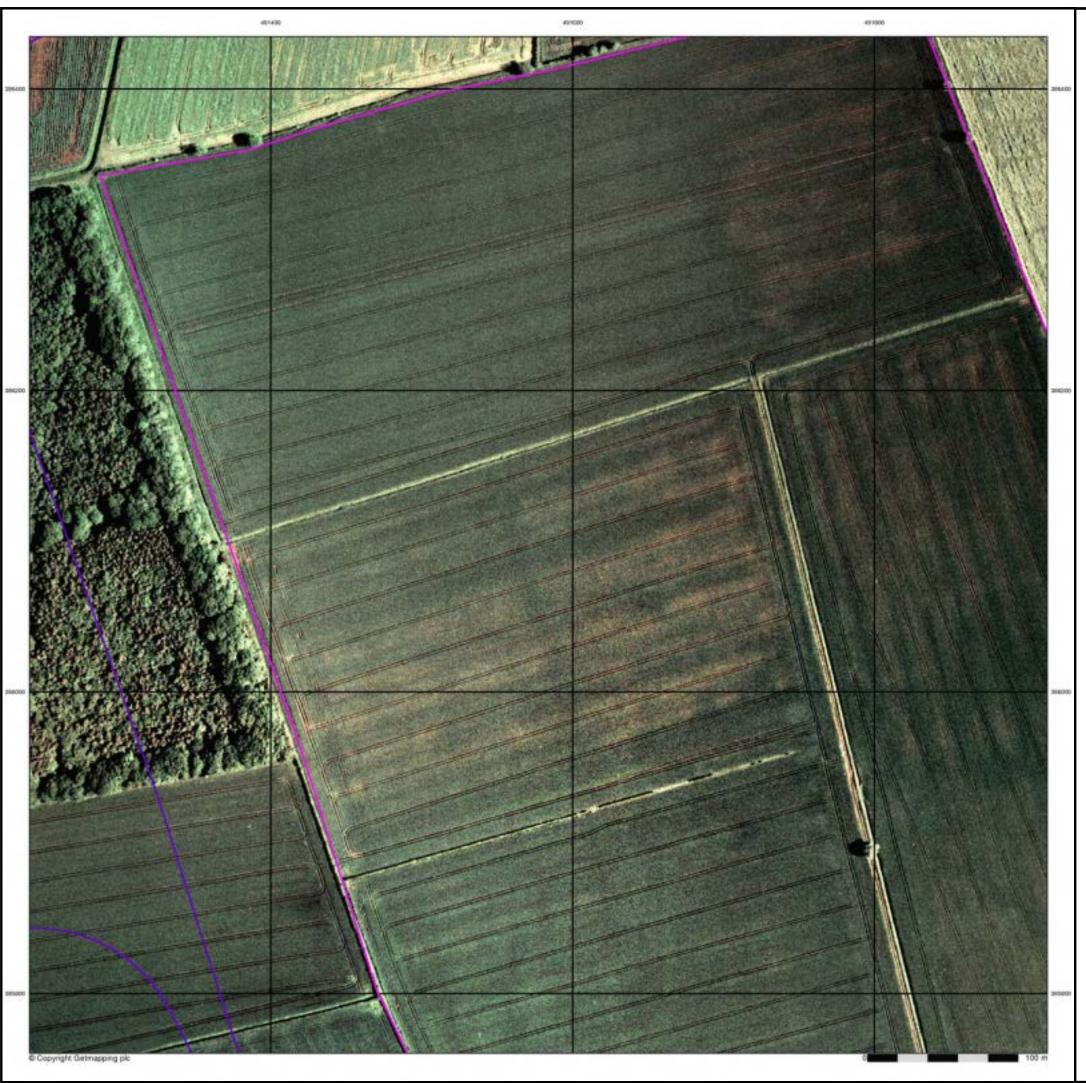
0844 844 9952







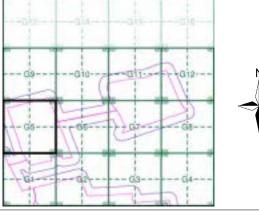






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

#### **Historical Aerial Photography - Segment G5**





#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492430, 386010

Slice: Site Area (Ha): Search Buffer (m): 884.45 100

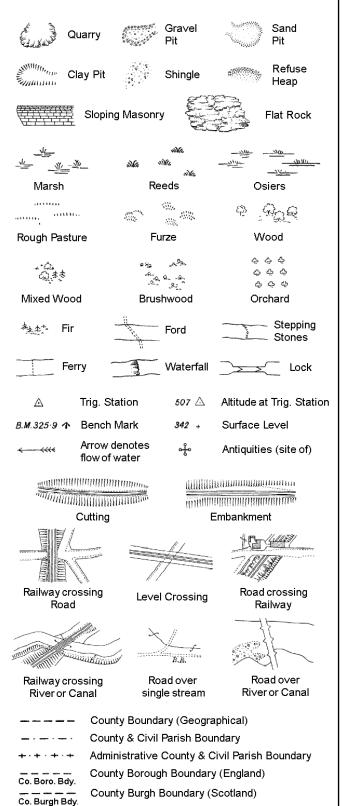
**Site Details** 

Cottam 1

Landmark

0844 844 9952

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



B.R.

EP

F.B.

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

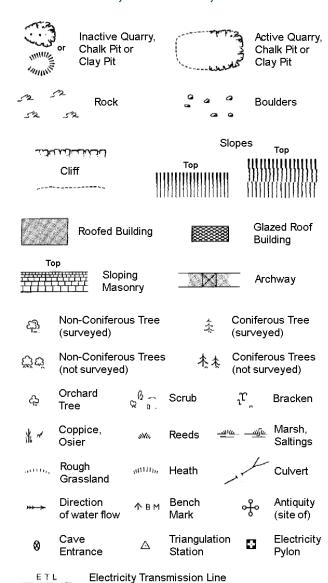
Trough Well

S.P

Sl.

Tr:

#### Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



County Boundary (Geographical)  County & Civil Parish Boundary  Civil Parish Boundary  Admin. County or County Bor. Boundary  L B Bdy  London Borough Boundary  Symbol marking point where boundary  mereing changes  BH Beer House P Pillar, Pole or Post BP, BS Boundary Post or Stone PO Post Office Cn, C Capstan, Crane PC Public Convenience		<del></del>	-		
Civil Parish Boundary  Admin. County or County Bor. Boundary  L B Bdy  London Borough Boundary  Symbol marking point where boundary mereing changes  BH Beer House P Pillar, Pole or Post BP, BS Boundary Post or Stone PO Post Office			County Bo	undary (	Geographical)
Admin. County or County Bor. Boundary  L B Bdy London Borough Boundary  Symbol marking point where boundary mereing changes  BH Beer House P Pillar, Pole or Post BP, BS Boundary Post or Stone PO Post Office	· — ·		County & 0	Ci∨il Pari	sh Boundary
L B Bdy London Borough Boundary Symbol marking point where boundary mereing changes  BH Beer House P Pillar, Pole or Post BP, BS Boundary Post or Stone PO Post Office			Civil Parisl	n Bounda	ary
Symbol marking point where boundary mereing changes  BH Beer House P Pillar, Pole or Post BP, BS Boundary Post or Stone PO Post Office		<del></del>	Admin. Co	unty or C	ounty Bor. Boundary
mereing changes  BH Beer House P Pillar, Pole or Post BP, BS Boundary Post or Stone PO Post Office	LBB0	<sup>ty</sup> -⊕-	London Bo	rough B	oundary
BP, BS Boundary Post or Stone PO Post Office		•	-		int where boundary
[ · · · · · · · · · · · · · · · · · · ·	вн	Beer House		Р	Pillar, Pole or Post
Cn, C Capstan, Crane PC Public Convenienc	BP, BS	Boundary Po	ost or Stone	PO	Post Office
	Cn, C	Capstan, Cra	ne	PC	Public Convenience

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

## 1:1,250

Slopes Top					
* AF 1		Тор	uuuuuuuu		
	Cliff		<u> </u>		
-					
Ba	Rock	7,3	Rock (scattered)		
$\triangle$	Boulders	<u>a</u>	Boulders (scattered)		
	Positioned Boulder		Scree		
<u>ක</u> ු	Non-Coniferous Tree (surveyed)	丰	Coniferous Tree (surveyed)		
Öά	Non-Coniferous Trees (not surveyed)	<del></del>	Coniferous Trees (not surveyed)		
දා	Orchard $\ensuremath{\mathbb{Q}} \ensuremath{\widehat{\mathfrak{g}}} \e$	crub	<sub>າ</sub> ຕຸ Bracken		
北一	Coppice, AND R	eeds 🛥	u <u> அம்</u> Marsh, Saltings		
arttir.	Rough ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	leath	Culvert		
<del>» &gt;</del>		riangulatior tation	Antiquity (site of)		
E <u>T</u> L	Electricity Transmissi	on Line	⊠ Electricity Pylon		
\ <del> </del>	ı 231.60m Bench Mark		Buildings with Building Seed		
	Roofed Building		Glazed Roof Building		
	• • • Civil parish/co	ommunity b	oundary		
	— District bound	dary			
_ •	· County bound	dary			
	Boundary pos	st/stone			
٨			ol (note: these ed pairs or groups		
Bks	Barracks	Р	Pillar, Pole or Post		
Bty	Battery	PO	Post Office		
Cemy	Cemetery	PC	Public Convenience		
Chy	Chimney	Pp	Pump		
Cis	Cistern	Ppg Sta	Pumping Station		
Dismtd F	•	PW	Place of Worship		
El Gen S	Sta Electricity Generating Station	Sewage P	pg Sta Sewage Pumping Station		
EIP	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge		
El Sub S	ita Electricity Sub Station	SP, SL	Signal Post or Light		
ED.	Ciltor Bad	C	Carina		

Filter Bed

Fn / D Fn Fountain / Drinking Ftn.

Gas Governer

**Guide Post** 

Manhole

GVC

Gas Valve Compound

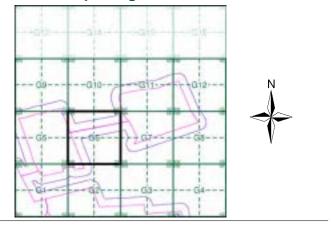
Mile Post or Mile Stone



#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

#### **Historical Map - Segment G6**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 492430, 386010 Slice: G

Tank or Track

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Tr

Wd Pp

Wks

884.45 Site Area (Ha): Search Buffer (m):

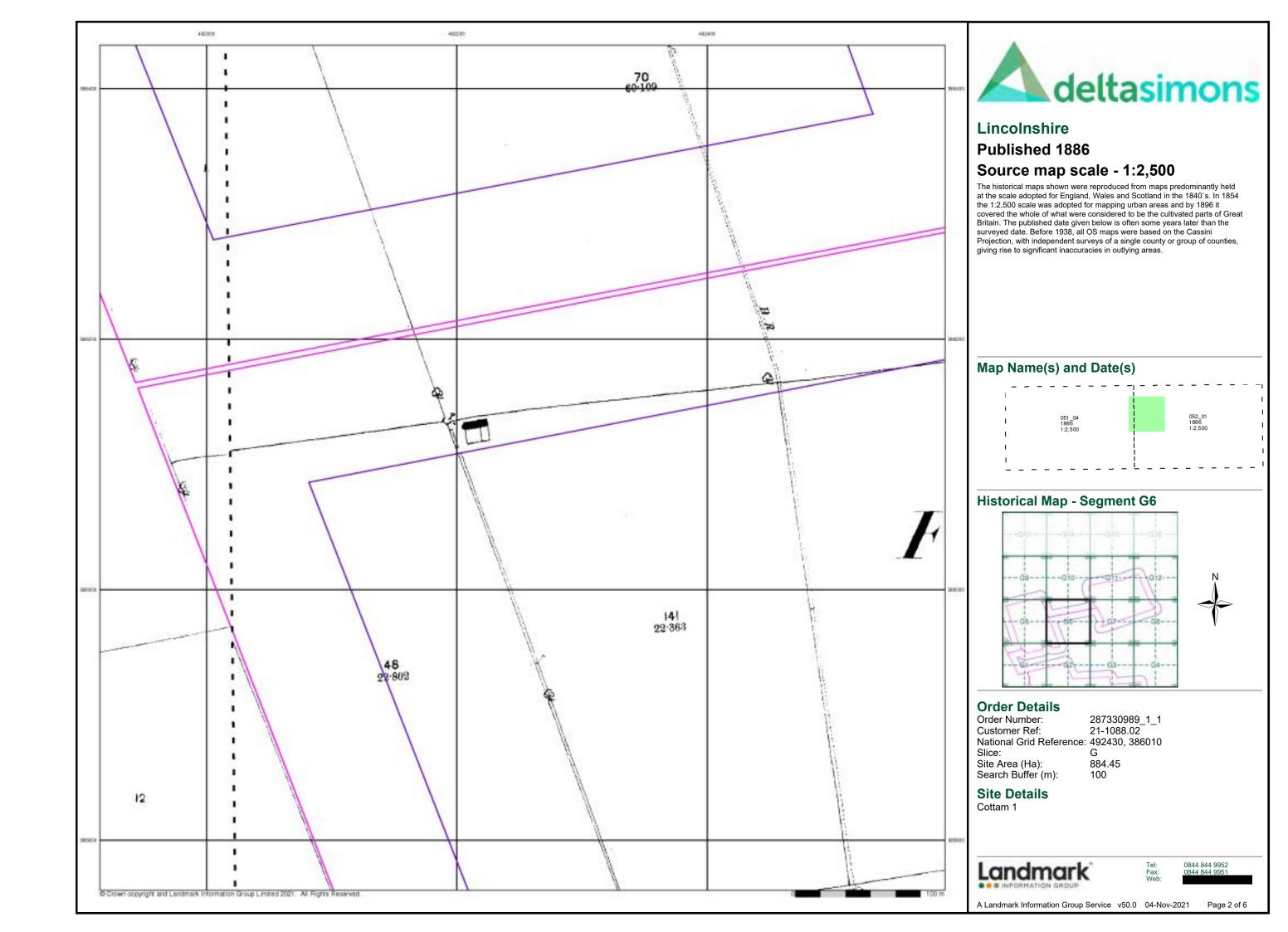
**Site Details** Cottam 1

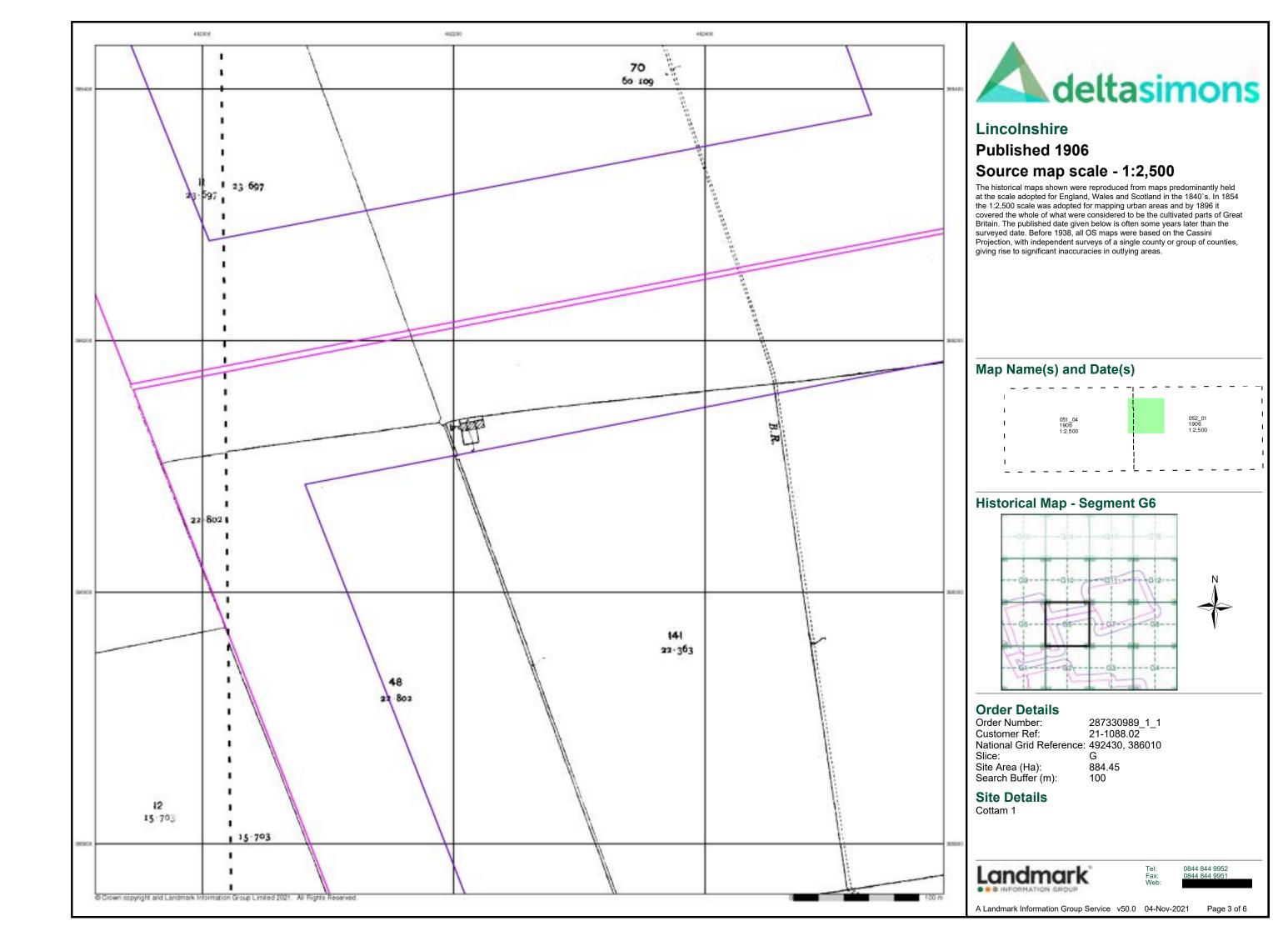


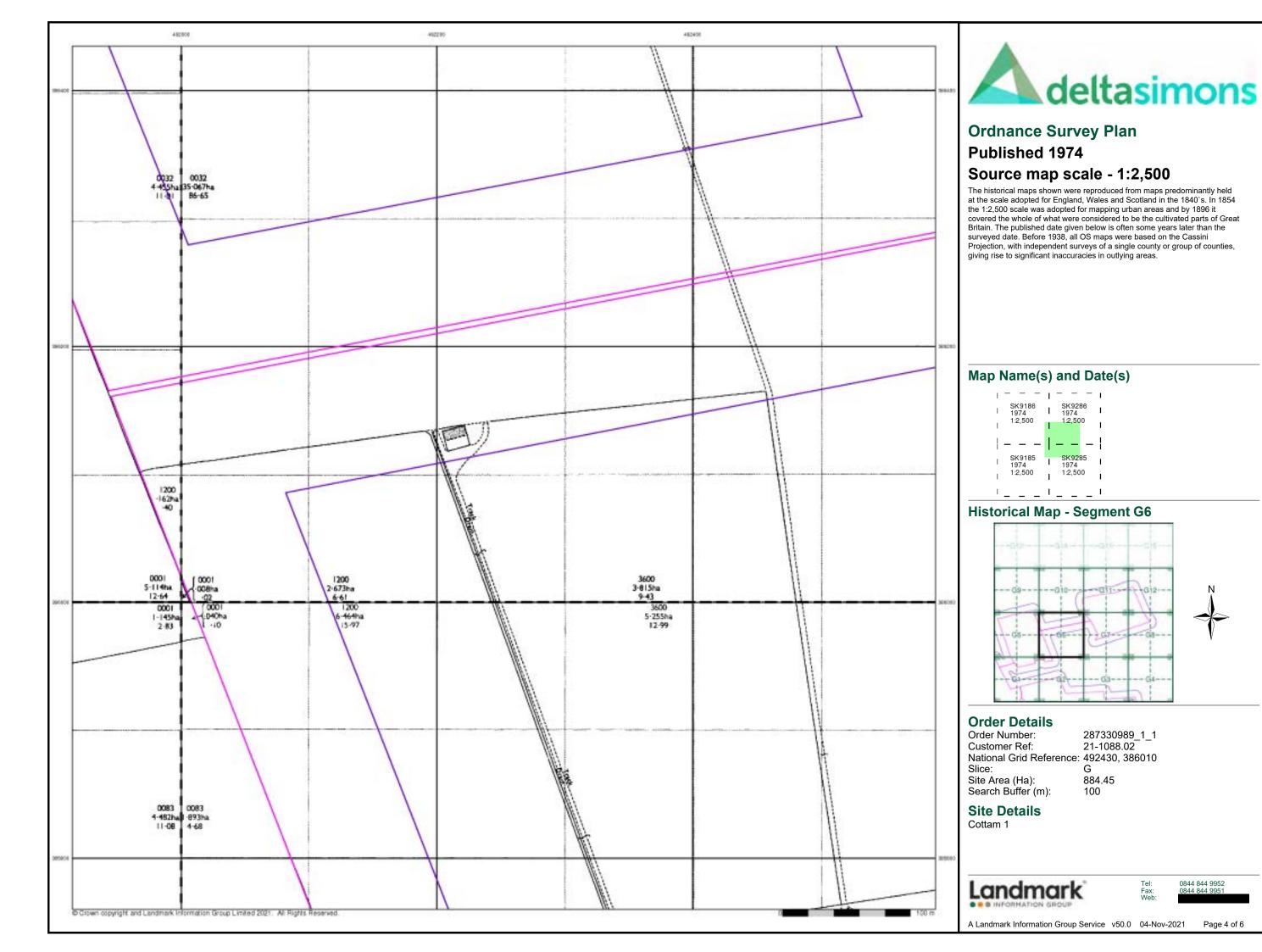


A Landmark Information Group Service v50.0 04-Nov-2021

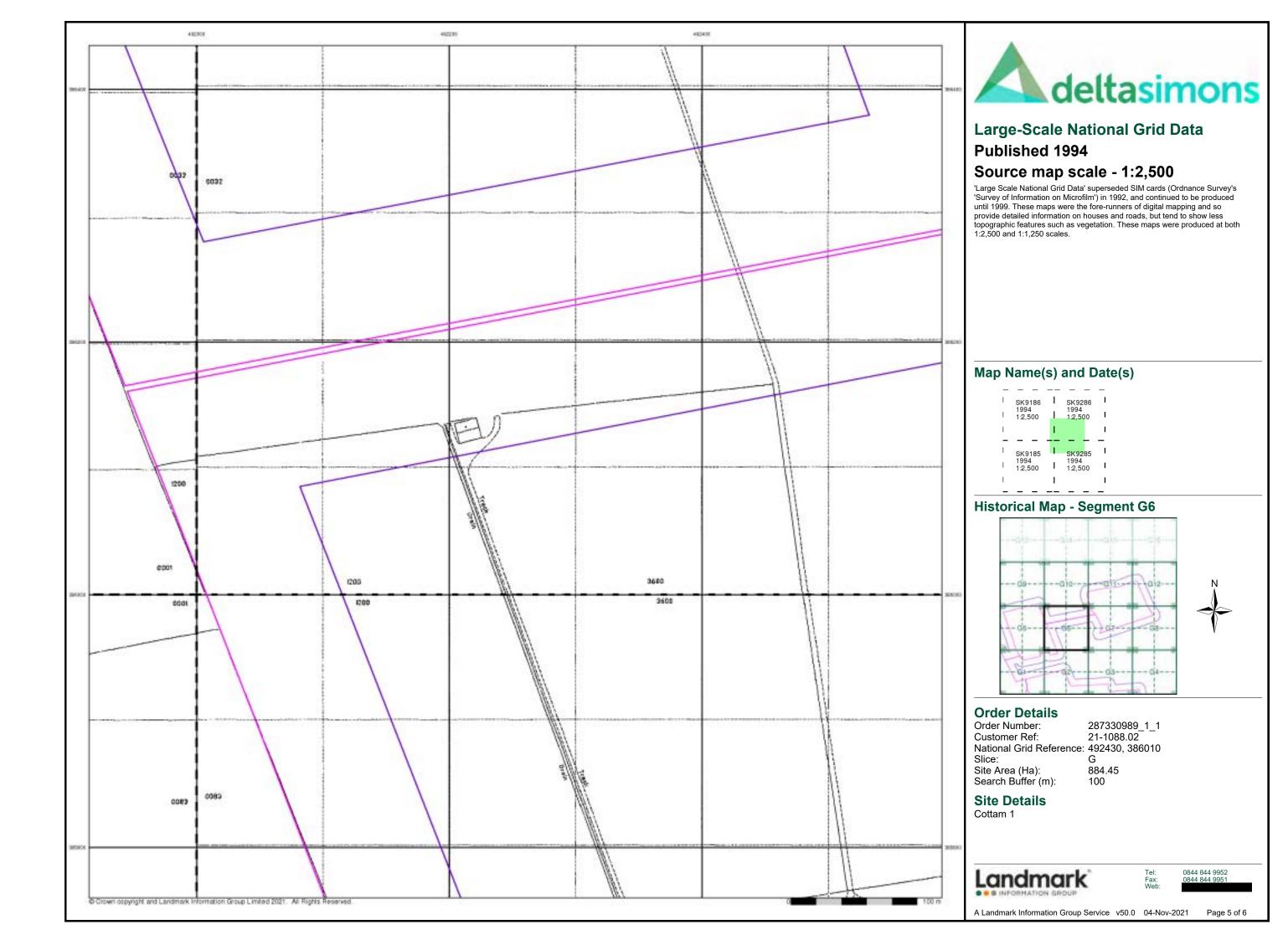
Page 1 of 6

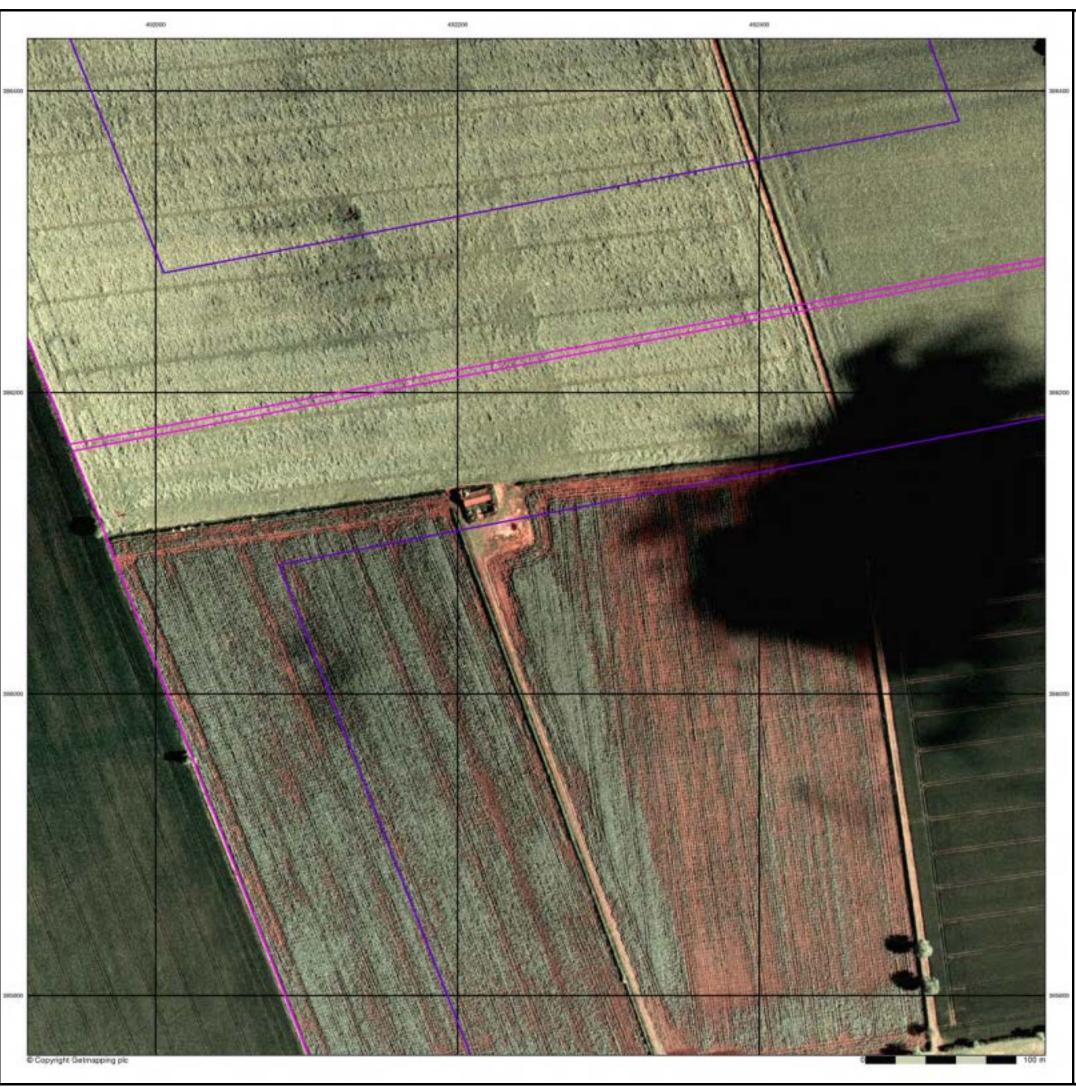






0844 844 9952

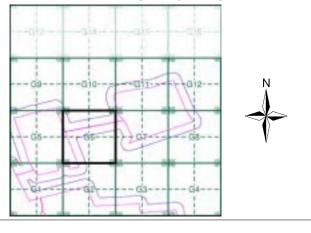






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

#### **Historical Aerial Photography - Segment G6**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492430, 386010

Slice:

884.45 100 Site Area (Ha): Search Buffer (m):

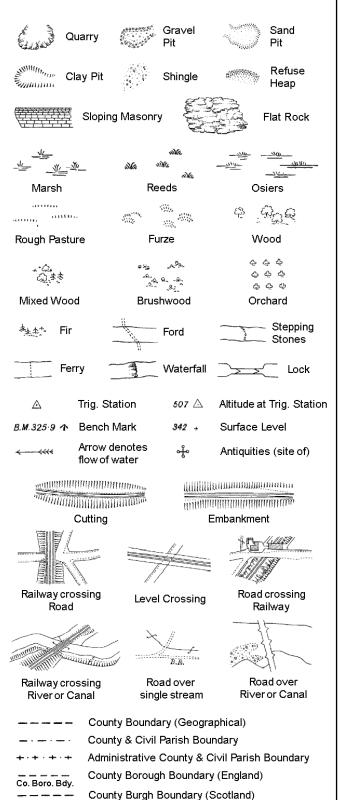
**Site Details** 

Cottam 1

Landmark

0844 844 9952 0844 844 9951

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



Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

Trough Well

S.P

Sl.

Tr:

Co. Burgh Bdy.

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

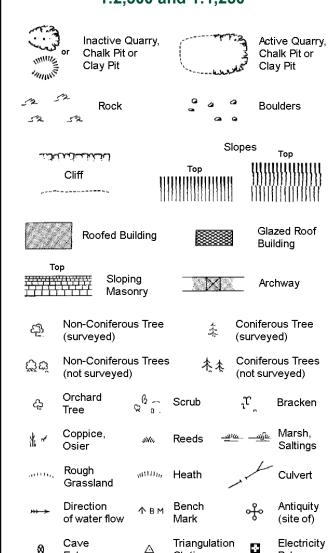
B.R.

E.P

F.B.

M.S

Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



**Electricity Transmission Line** 

County Boundary (Geographical) County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary mereing changes

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

# 1:1,250

***************************************	~~~~		SI	opes .	Тор		
Cli. بۇرىرغانىد			Тор	1111111	!!!!!!!!!!		
,		1111					
_							
SZ R	ock		7.5	Rock (so	attered)		
△ Bo	oulders		Δ	Boulders	(scattered)		
△ Po	ositioned	Boulder		Scree			
C 13	on-Conife surveyed)	erous Tree	丰	Coniferd (surveye			
C3 C5	on-Conife iot sur∨ey	erous Trees /ed)	杰杰	Conifero (not surv	ous Trees ⁄eyed)		
A 33	rchard ee	Q 0 0.	Scrub	'n,	Bracken		
	oppice, sier	sNu,	Reeds 🛥	<u>ചും</u>	Marsh, Saltings		
1000000	ough rassland	<sub>11</sub> 1111 <sub>11</sub> ,	Heath	1	Culvert		
<del>,,, ,</del>	irection fwater flo	Δ	Triangulation Station	ો નું	Antiquity (site of)		
E <u>T</u> L	Electric	ity Transmis	sion Line	$\boxtimes$	Electricity Pylon		
\	11.6úm B	ench Mark	7	Building Building	gs with g Seed		
	Roofed Building Glazed Roof Building						
		Ci∨il parish.	community b	oundary			
— -		District bou	ındary				
		County bou	ındary				
٥		Boundary p	ost/stone				
p			nereing symb ear in oppos				
Bks	Barracks		Р	Pillar, Pol	e or Post		
	Battery		PO	Post Offic			
-	Cemetery		PC	Public Co	onvenience		
Chy	Chimney		Pp	Pump			
	Cistern		Ppg Sta	Pumping			
Dismtd Rly		led Railway	PW	Place of\			
El Gen Sta	Electrici Station	ty Generating	Sewage F		wage Imping Station		
EIP	Electricity	Pole, Pillar	SB, S Br	Signal B	ox or Bridge		
El Sub Sta	Electricity	Sub Station	SP, SL	Signal Po	ost or Light		

Filter Bed

Fn / D Fn Fountain / Drinking Ftn.

Gas Governer

**Guide Post** 

Manhole

GVC

Gas Valve Compound

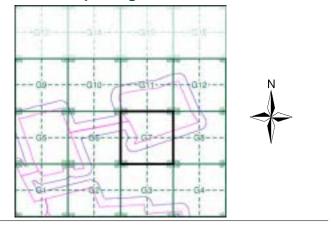
Mile Post or Mile Stone



#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

#### **Historical Map - Segment G7**



#### **Order Details**

Order Number: 287330989\_1\_1 21-1088.02 **Customer Ref:** National Grid Reference: 492430, 386010 Slice: G

Tank or Track

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Tr

Wd Pp

Wks

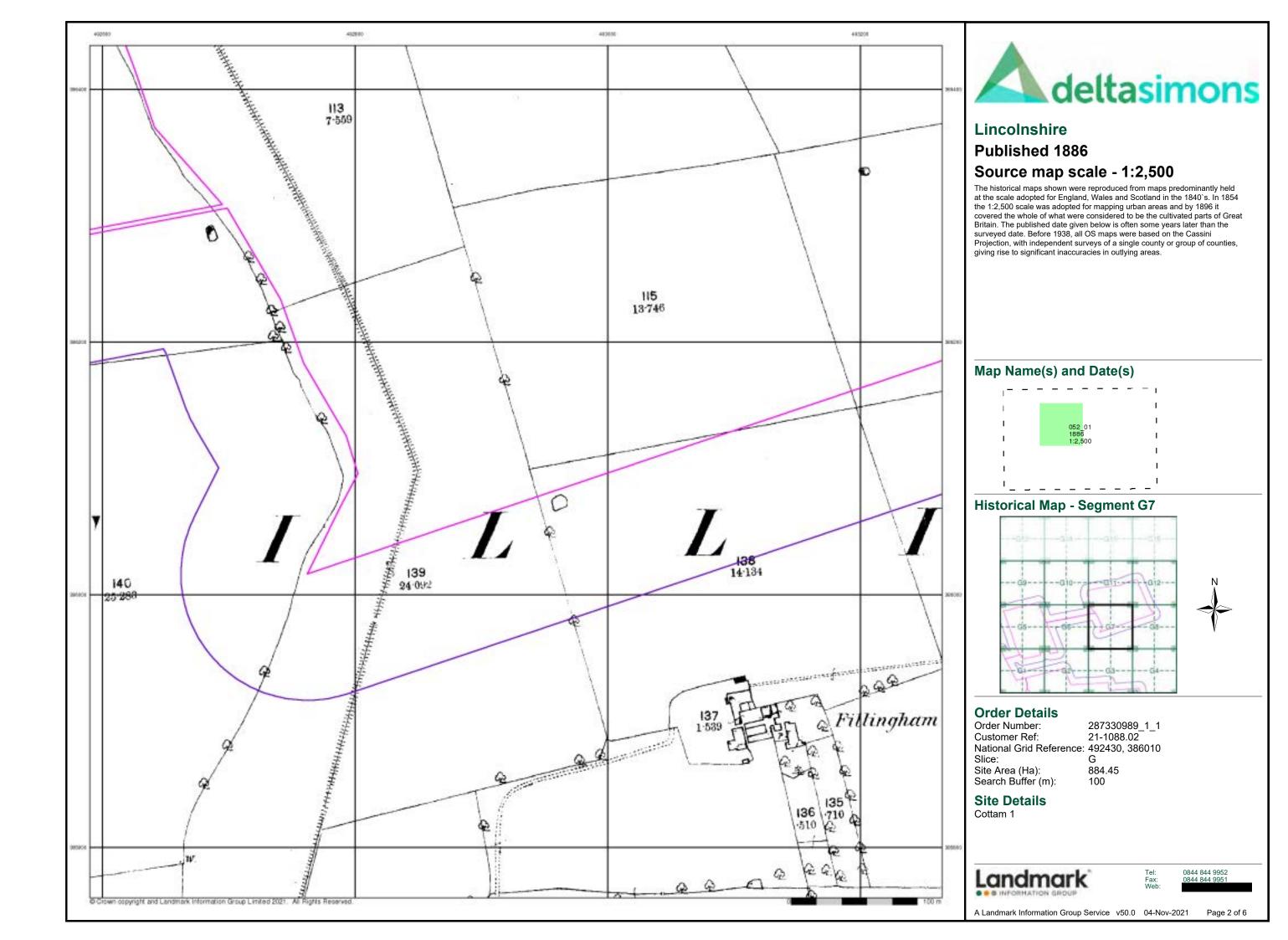
884.45 Site Area (Ha): Search Buffer (m): 100

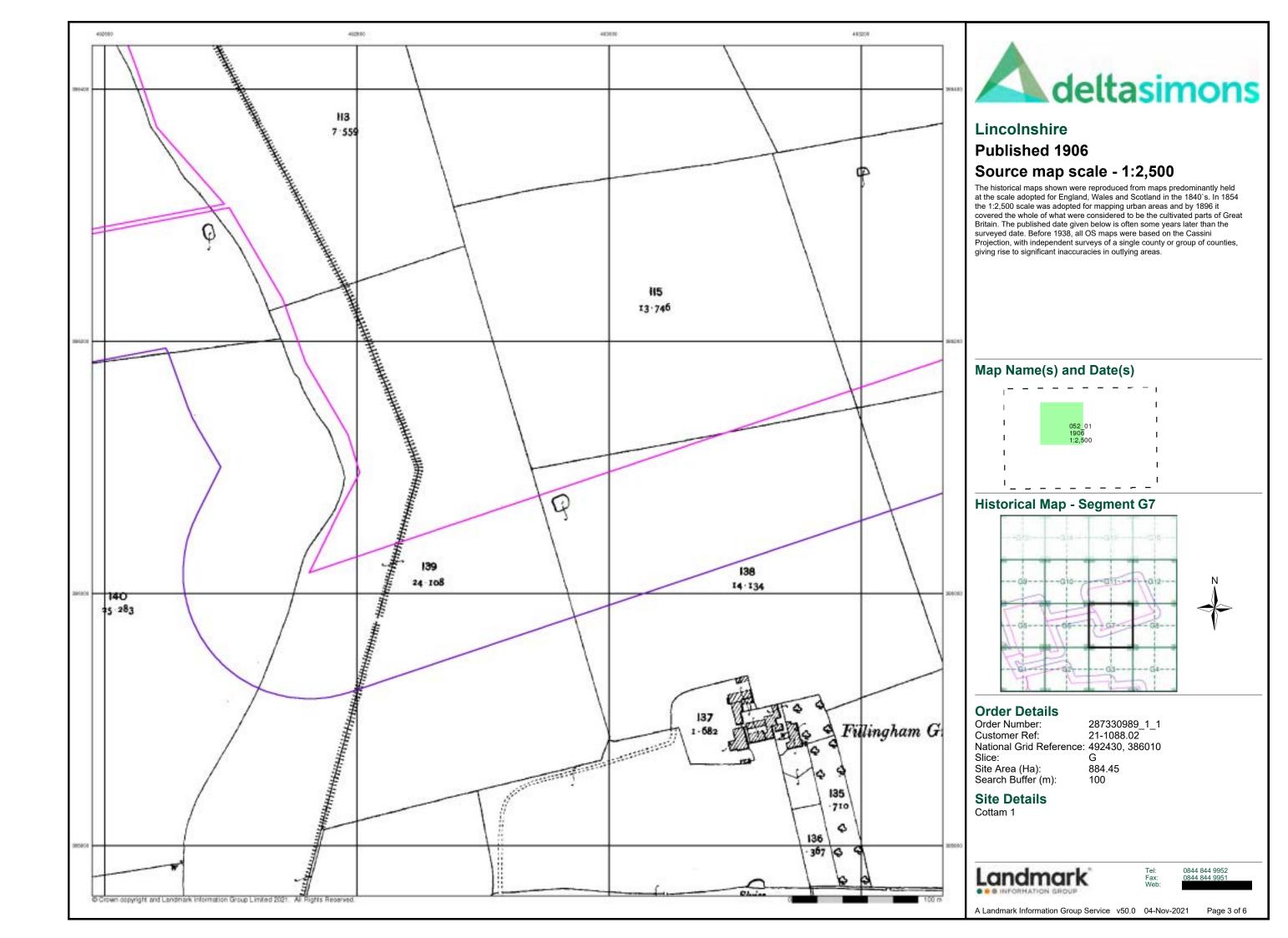
**Site Details** Cottam 1

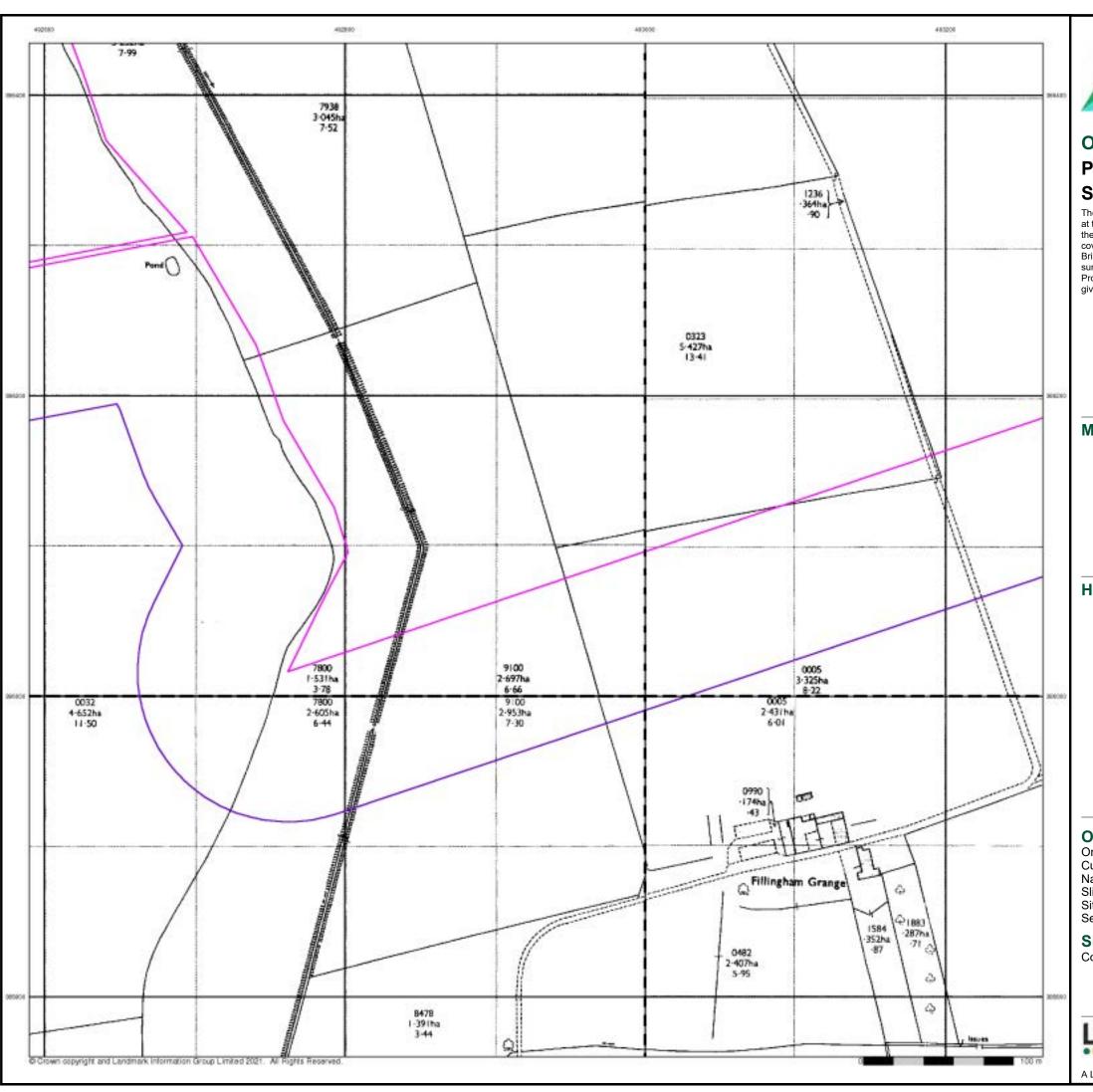




Page 1 of 6









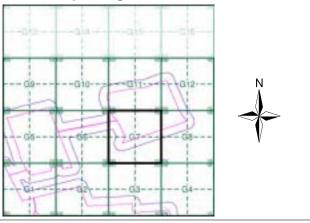
## Ordnance Survey Plan Published 1974 Source map scale - 1:2,500

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)

	-		_		_		L	_		_		-	-	I
SK9286 1974							ī	SK9386 1974						ı
1	1	:2	,5	0(	)		Ī		1 :2	2,5	00	)		I
	-		_		_		ĺ	_		-	-	-	-	¦
SK92 <mark>85</mark> 1974							I	SK9385 1974					ı	
1:2,500							ı	1:2,500						I
							ī							ı

#### **Historical Map - Segment G7**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492430, 386010

Slice:

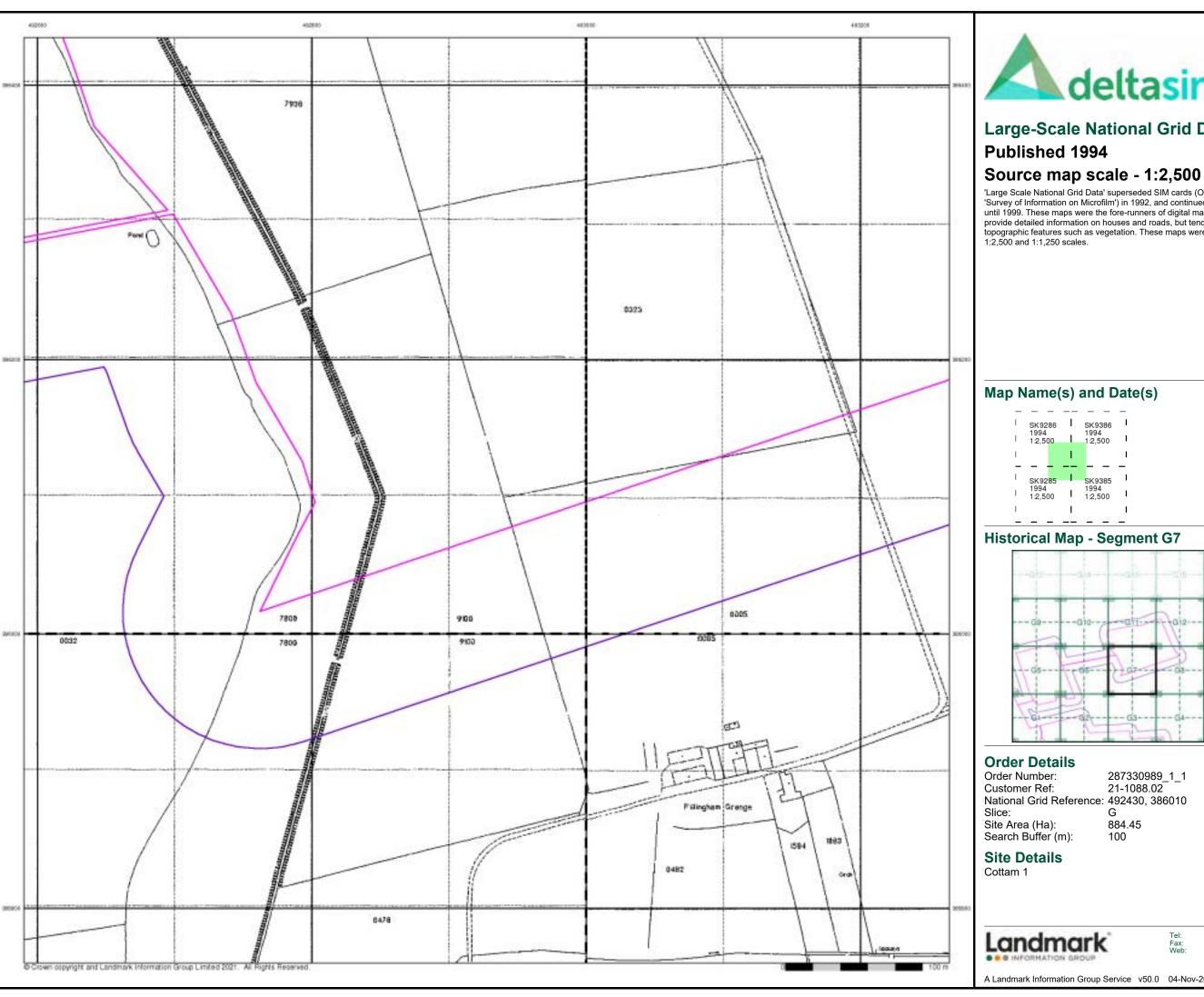
Site Area (Ha): 884.45 Search Buffer (m): 100

#### **Site Details**

Cottam 1



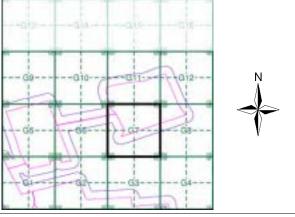
Tel: Fax: Web: 0844 844 9952 0844 844 9951



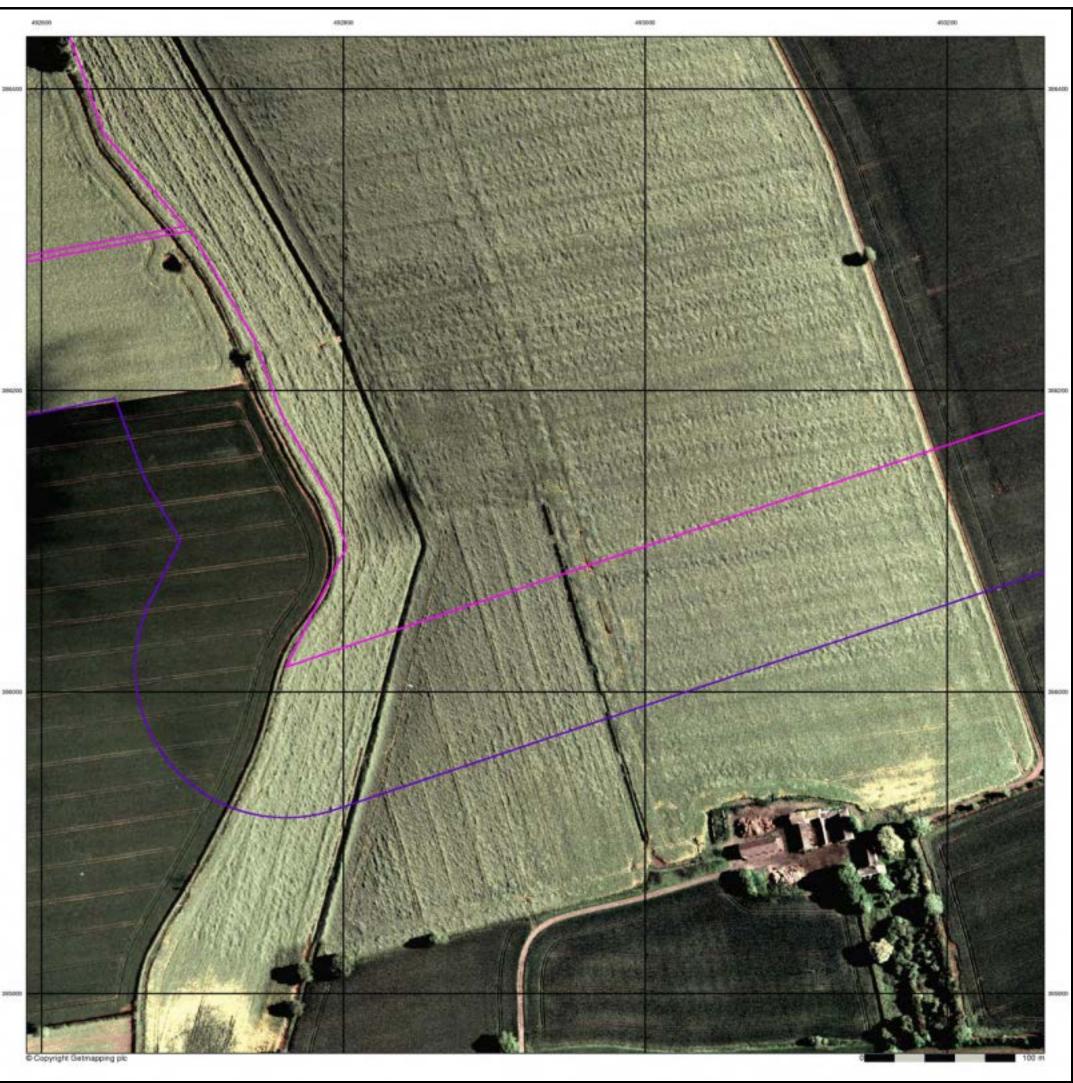


# **Large-Scale National Grid Data**

'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.



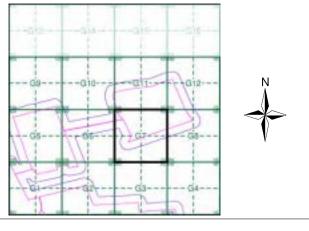
National Grid Reference: 492430, 386010





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

#### **Historical Aerial Photography - Segment G7**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492430, 386010

Slice:

Site Area (Ha): Search Buffer (m): 884.45 100

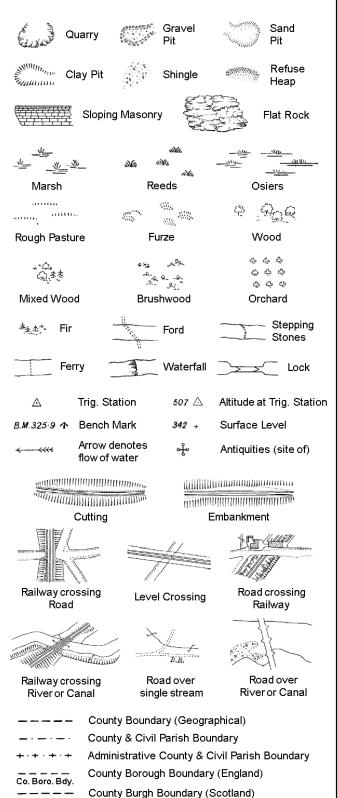
**Site Details** 

Cottam 1

Landmark

## **Historical Mapping Legends**

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



Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

Trough Well

S.P

Sl.

Tr:

Co. Burgh Bdy.

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

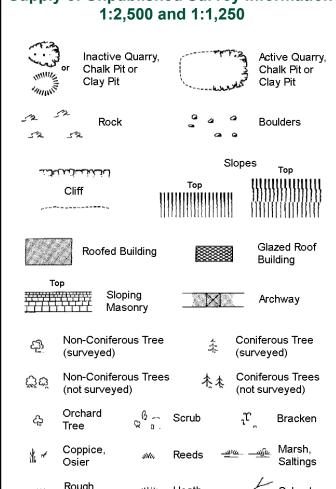
Electricity Pylor

B.R.

EP

F.B.

Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 



Rough Culvert யார் Heath Grassland ↑BM Bench Direction Antiquity of water flow (site of) Electricity Cave Triangulation ÷ Station

E_L Electricity Transmission Line			
	County Boundary (Geographical)		
	County & Civil Parish Boundary		
	· · Civil Parish Boundary		
· <del></del> · ·	Admin. County or County Bor. Boundary		
L B Bdy	London Borough Boundary		
2	Symbol marking point where boundary mereing changes		
BU Book	D. Biller Bala or Boot		

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

# 1:1,250

	~~~~	Slo	opes Top
	 دانگرای	Тор	RECEINE
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
232	Rock	23	Rock (scattered)
$\triangle_{a}$	Boulders	<i>\triangle</i>	Boulders (scattered)
$\Box$	Positioned Boulder		Scree
<u> </u>	Non-Coniferous Tree (surveyed)	*	Coniferous Tree (surveyed)
స్తోల్	Non-Coniferous Trees (not surveyed)	春春	Coniferous Trees (not surveyed)
දා	Orchard $Q = Q = Q = Q$ So	rub	<sub>ໃ</sub> ຕຸ Bracken
* ~	Coppice, Re	eds 🗝	سے Marsh, Saltings
astiles,	Rough ann, He Grassland	eath	Culvert
<del>&gt;&gt;&gt;</del>		angulation ation	Antiquity (site of)
_ E_TL _	Electricity Transmissio	n Line	Electricity Pylon
\ K BM	231.60m Bench Mark		Buildings with Building Seed
	Roofed Building		Glazed Roof Building
· ·	Civil parish/co District bound		oundary
_ •	— County bound	ary	
0	Boundary post	/stone	
£	_		ol (note: these ed pairs or groups
Bks	Barracks	Р	Pillar, Pole or Post
Bty	Battery	PO PO	Post Office
Cemy Chy	Cemetery Chimney	PC Pp	Public Convenience Pump
Cis	Cistern	гр Ppg Sta	Pumping Station
Dismtd F		PW	Place of Worship
El Gen S	ta Electricity Generating Station	Sewage P <sub>l</sub>	pg Sta Sewage Pumping Station
EIP	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub S	ta Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fr	n Fountain / Drinking Ftn.	Tk	Tank or Track

Gas Valve Compound

Mile Post or Mile Stone

Gas Governer

**Guide Post** 

Manhole

Tr

Wd Pp

Wks

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

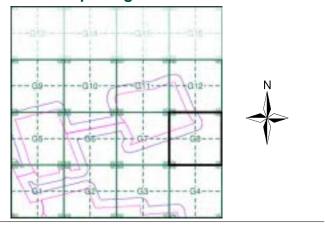
Works (building or area)



### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

### **Historical Map - Segment G8**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 492430, 386010 Slice: G

884.45 Site Area (Ha): Search Buffer (m):

### **Site Details**

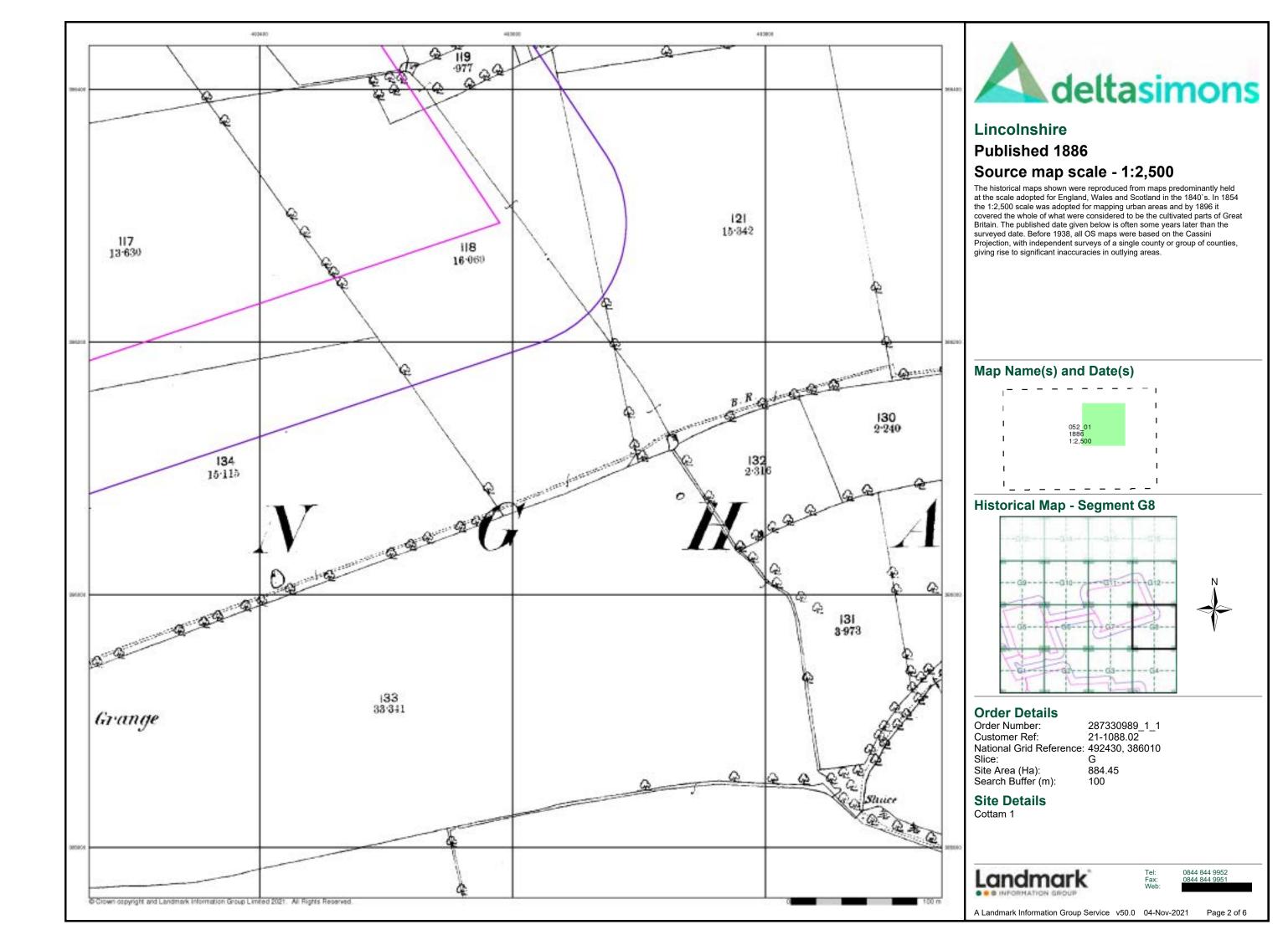
Cottam 1

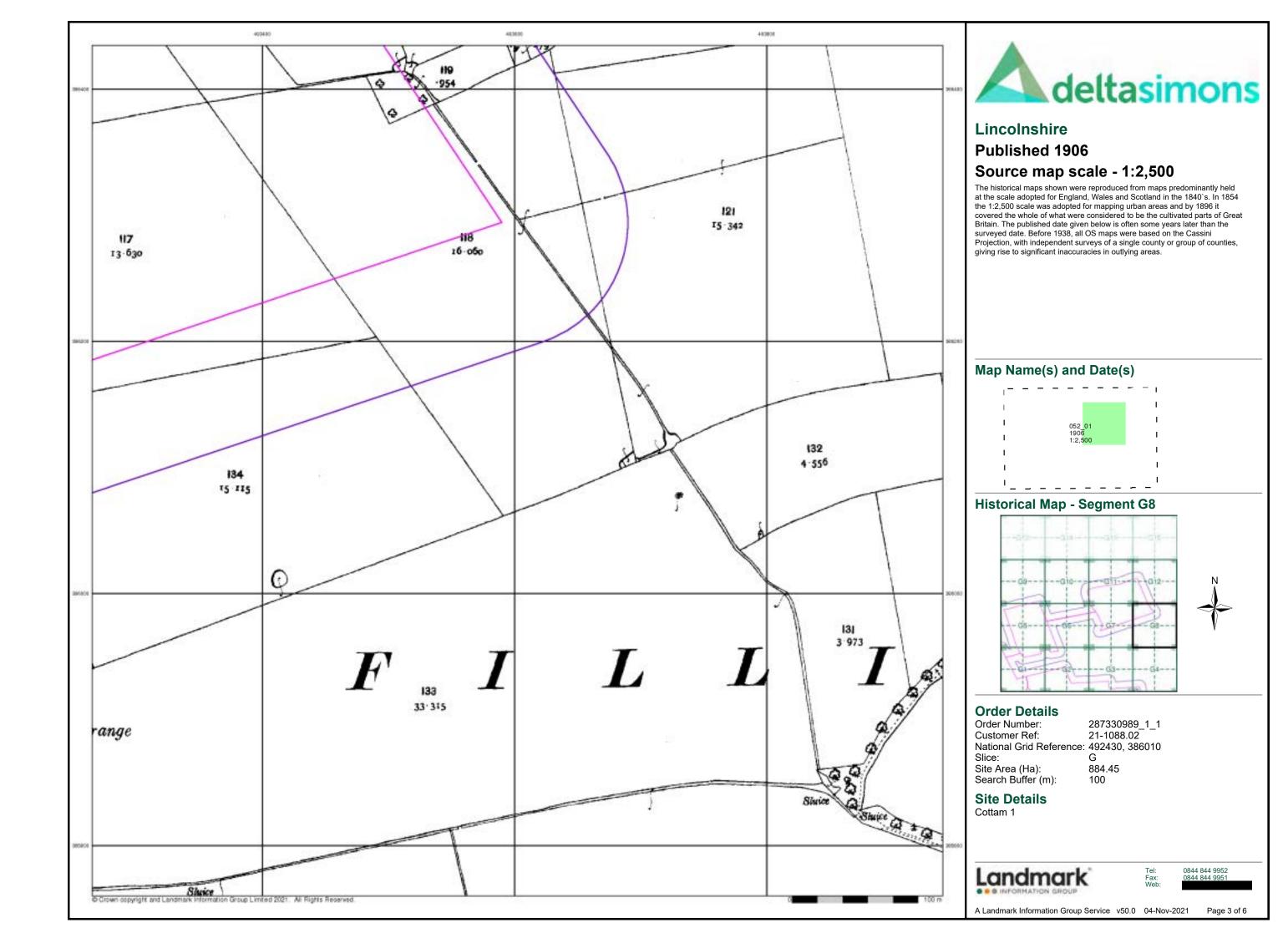


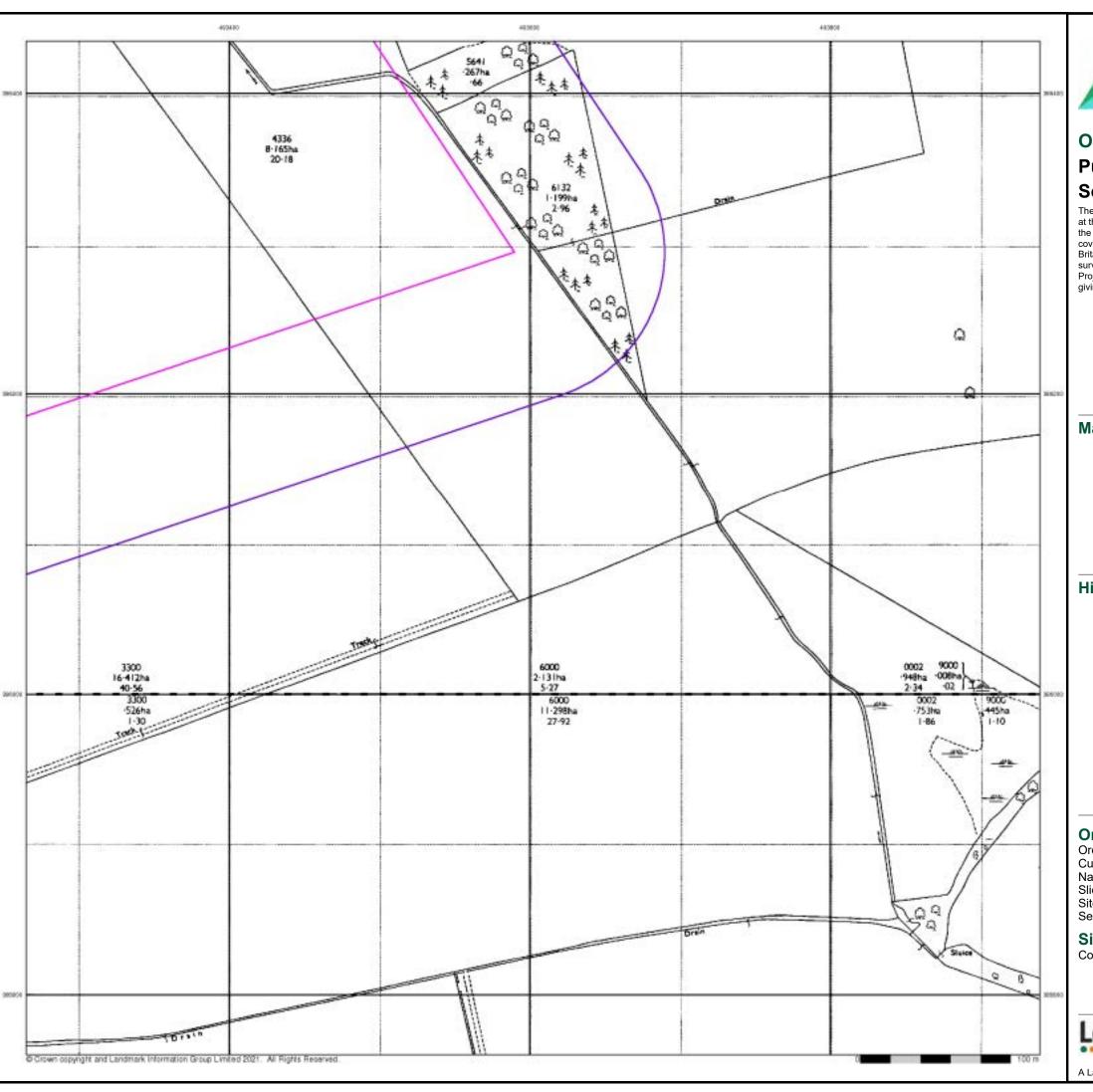
0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021

Page 1 of 6





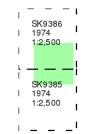




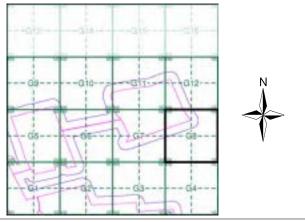
### **Ordnance Survey Plan** Published 1974 Source map scale - 1:2,500

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 surveyes 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 G8**



#### **Order Details**

Order Number: 287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 492430, 386010 G

Slice:

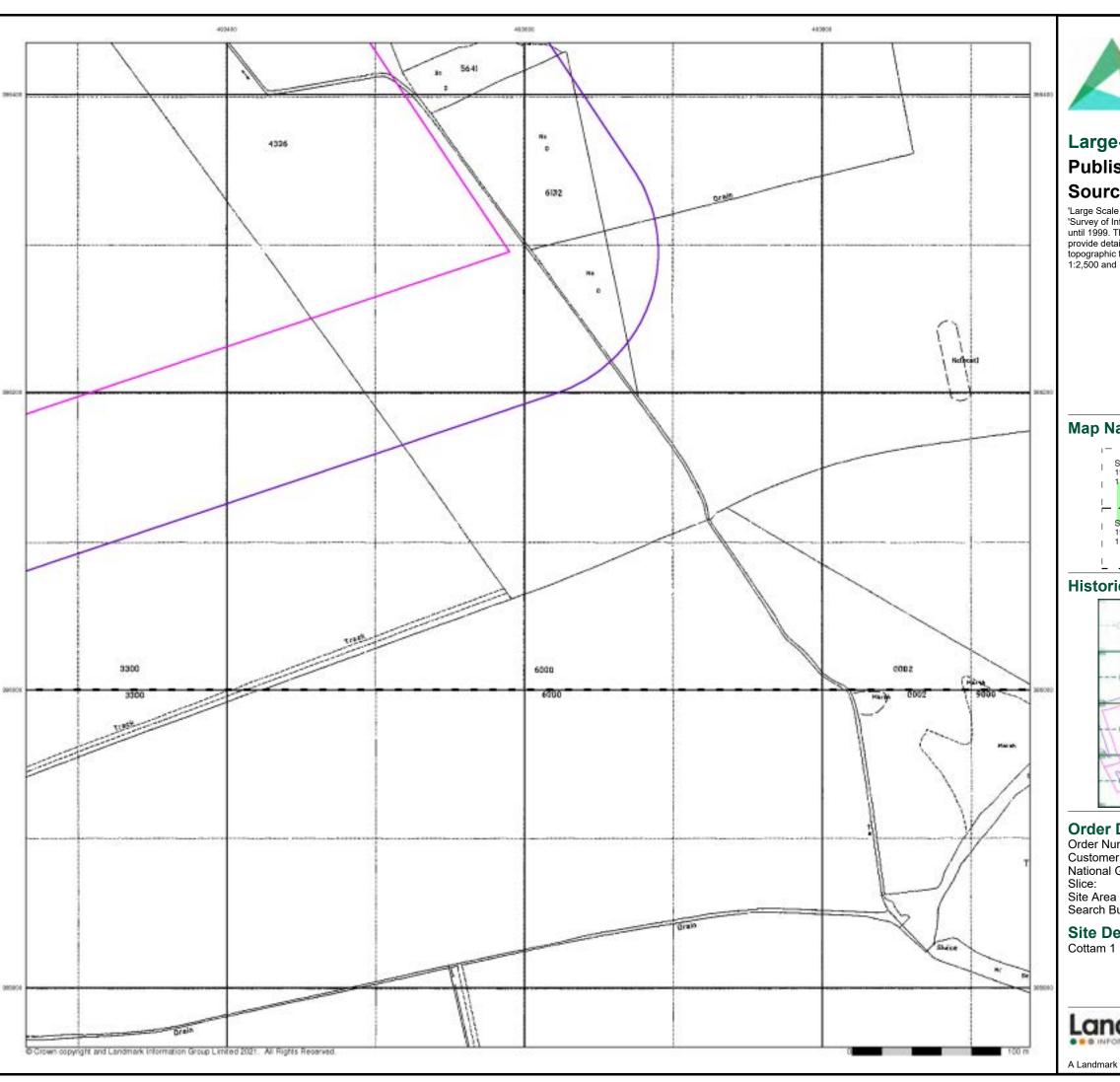
Site Area (Ha): Search Buffer (m): 884.45

### **Site Details**

Cottam 1

Landmark

0844 844 9952

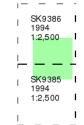




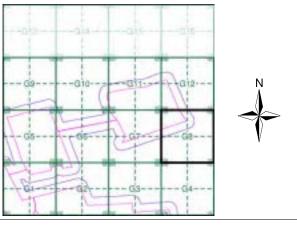
### **Large-Scale National Grid Data** Published 1994 Source map scale - 1:2,500

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

### Map Name(s) and Date(s)



### **Historical Map - Segment G8**



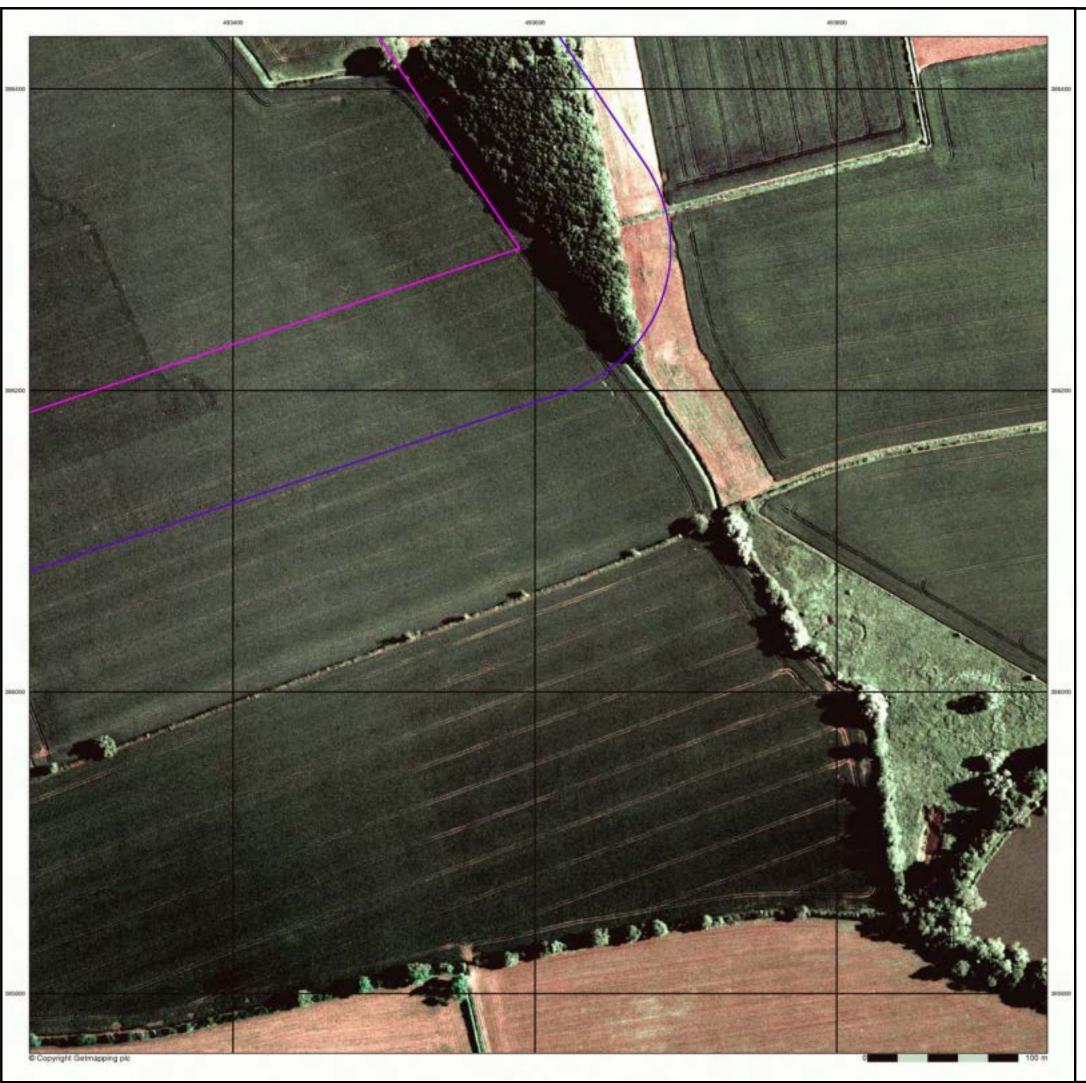
#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492430, 386010 Slice: Site Area (Ha): Search Buffer (m): 884.45

**Site Details** 

Landmark

0844 844 9952

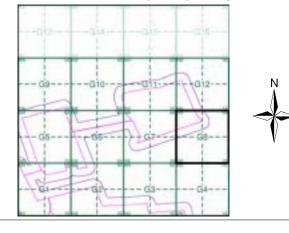




### **Historical Aerial Photography** Published 1999

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

### **Historical Aerial Photography - Segment G8**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492430, 386010 Slice:

Site Area (Ha): Search Buffer (m): 884.45 100

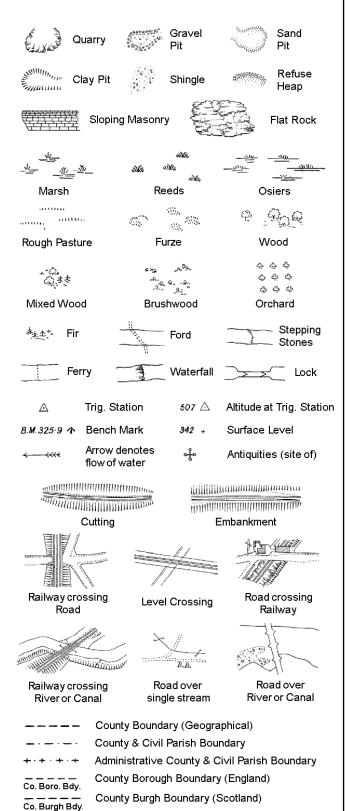
**Site Details** 

Cottam 1

Landmark

## **Historical Mapping Legends**

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



B.R.

EP

F.B.

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

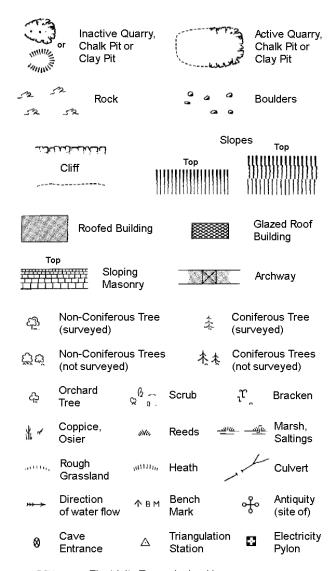
Trough Well

S.P

Sl.

Tr:

### Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



E <u>T</u> LE	lectricity Transmission	Line
---------------	-------------------------	------

	County Boundary (Geographical)		
	County & Civil Parish Boundary		
	Civil Parish Boundary		
· <del></del> -	Admin. County or County Bor. Boundary		
L B Bdy	London Borough Boundary		
N. S.	Symbol marking point where boundary mereing changes		

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

# 1:1,250

	~~~	Slo	opes Top
	الالا لىكىنىدد	Гор	ggggggggggggg
500	Rock	23	Rock (scattered)
$\triangle_{\Delta}$	Boulders	<u>~</u>	Boulders (scattered)
	Positioned Boulder		Scree
කු	Non-Coniferous Tree (surveyed)	*	Coniferous Tree (surveyed)
Öö	Non-Coniferous Trees (not surveyed)	杰杰	Coniferous Trees (not surveyed)
එ	Orchard & a Sc Tree & a Sc	rub	<sub>າ</sub> ຕຸ Bracken
* ~	Coppice, M. Re Osier	eds 🗝	<u>سسہ</u> Marsh, Saltings
arttu,	Rough amm, He Grassland	ath	Culvert
<del>&gt;&gt;&gt; →</del>		angulation ation	Antiquity (site of)
_ E_T_L	_ Electricity Transmissio	n Line	⊠ Electricity Pylon
\ <del>€</del> \вм	291.60m Bench Mark		Buildings with Building Seed
	Roofed Building		Glazed Roof Building
-	Civil parish/co	=	oundary
_ •	—— County bounda	ary	
٥	Boundary post	/stone	
٥	_		ol (note: these ed pairs or groups
Bks	Barracks	Р	Pillar, Pole or Post
Bty	Battery	PO PO	Post Office
Cemy Chy	Cemetery Chimney	PC Pp	Public Convenience Pump
Cis	Cistern	гр Ppg Sta	Pumping Station
Dismtd R		PW	Place of Worship
El Gen St	ta Electricity Generating Station	Sewage P	pg Sta Sewage Pumping Station
EIP	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub St	a Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track

Gas Valve Compound

Mile Post or Mile Stone

Gas Governer

**Guide Post** 

Manhole

Tr

Wd Pp

Wks

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

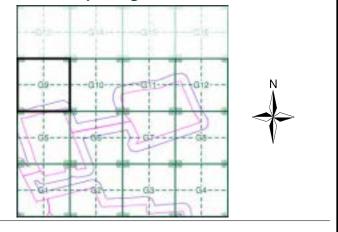
Works (building or area)



### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

### **Historical Map - Segment G9**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 492430, 386010 Slice: G

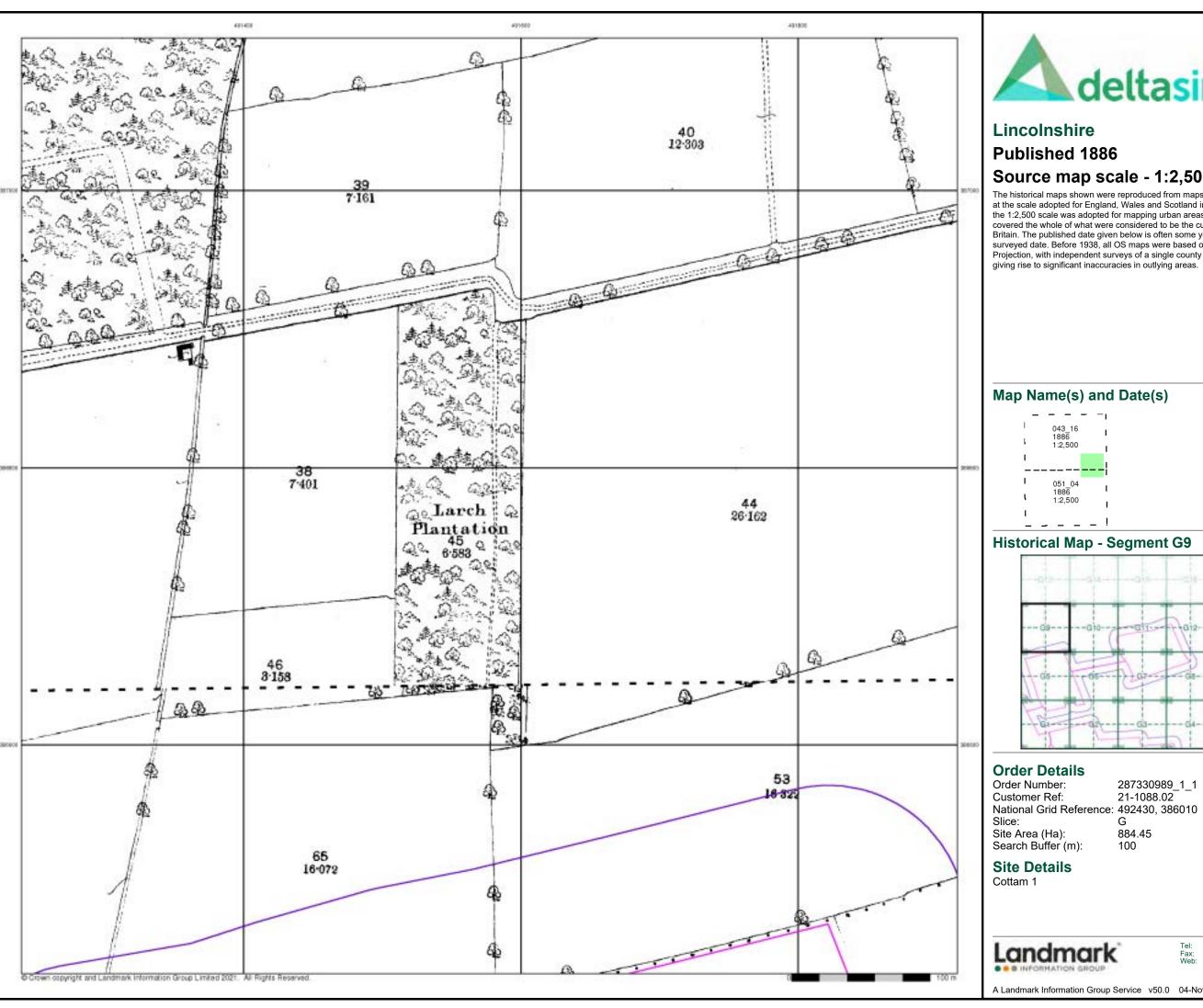
Site Area (Ha): 884.45 Search Buffer (m):

#### **Site Details** Cottam 1



0844 844 9952

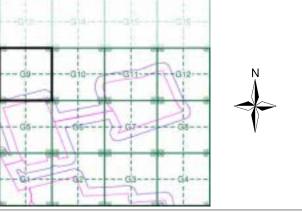
Page 1 of 6



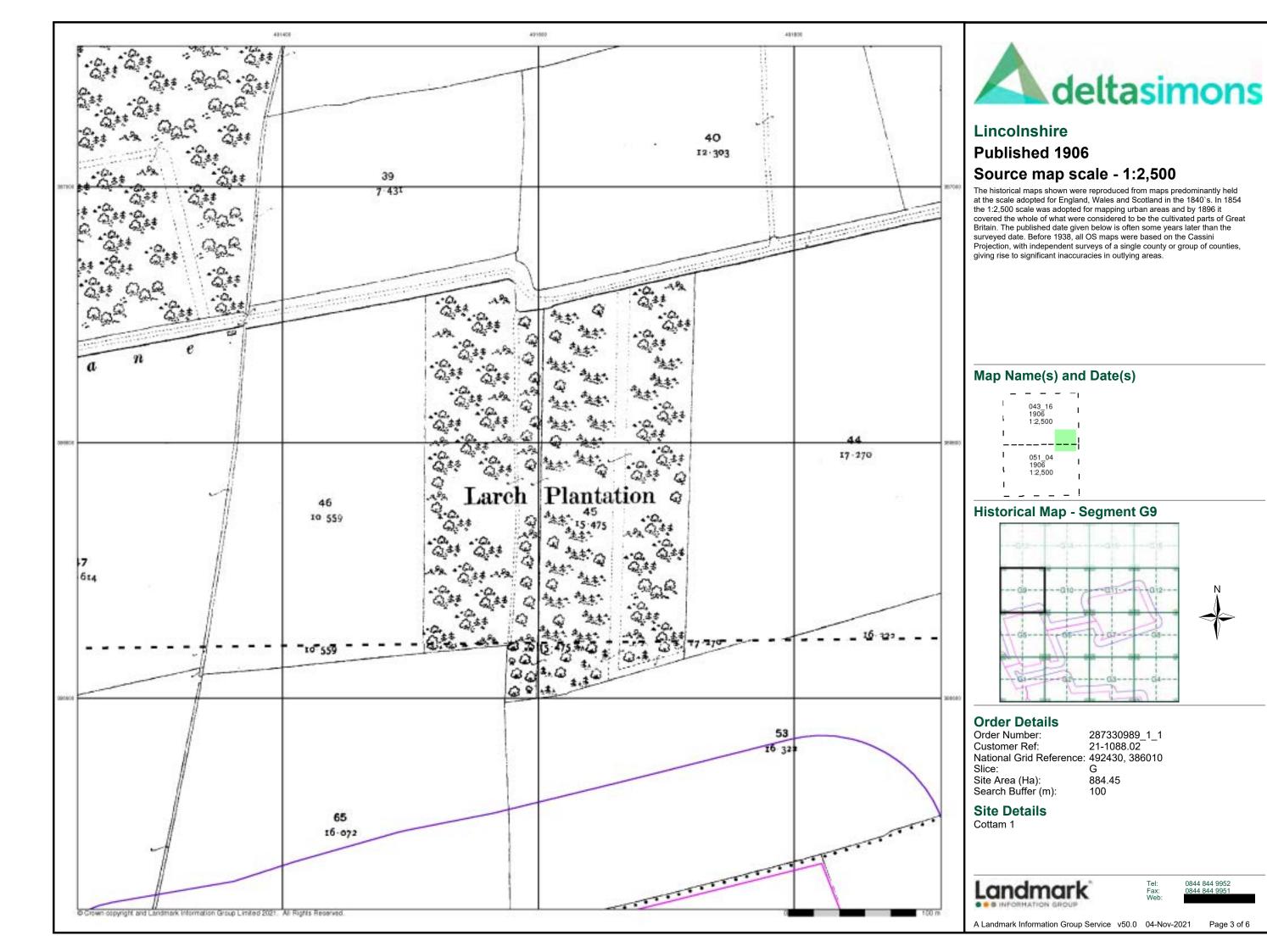


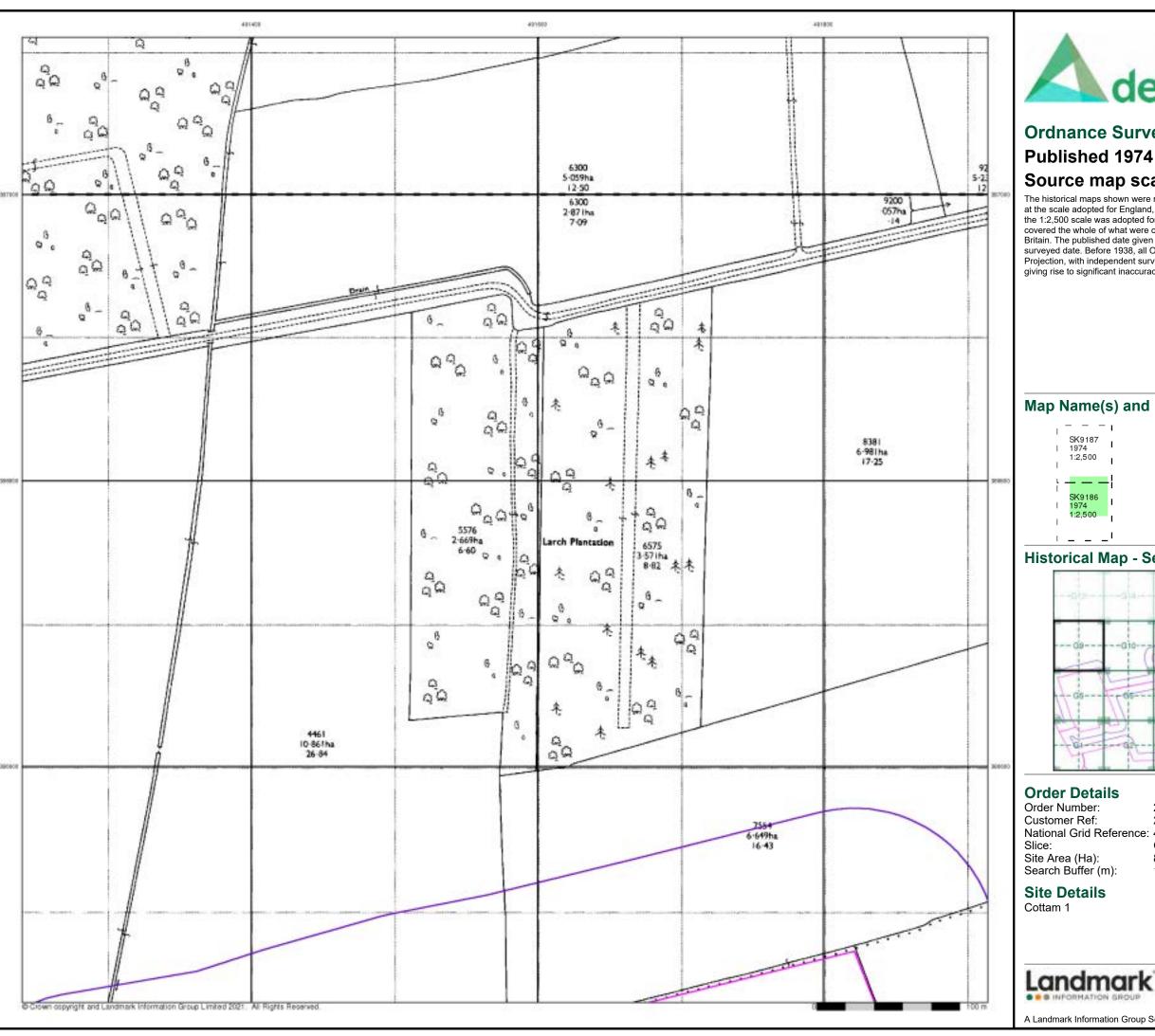
# Source map scale - 1:2,500

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.



0844 844 9952





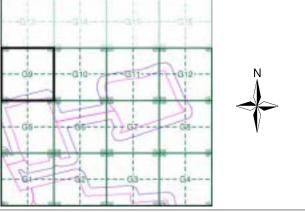


### **Ordnance Survey Plan** Published 1974 Source map scale - 1:2,500

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 G9**

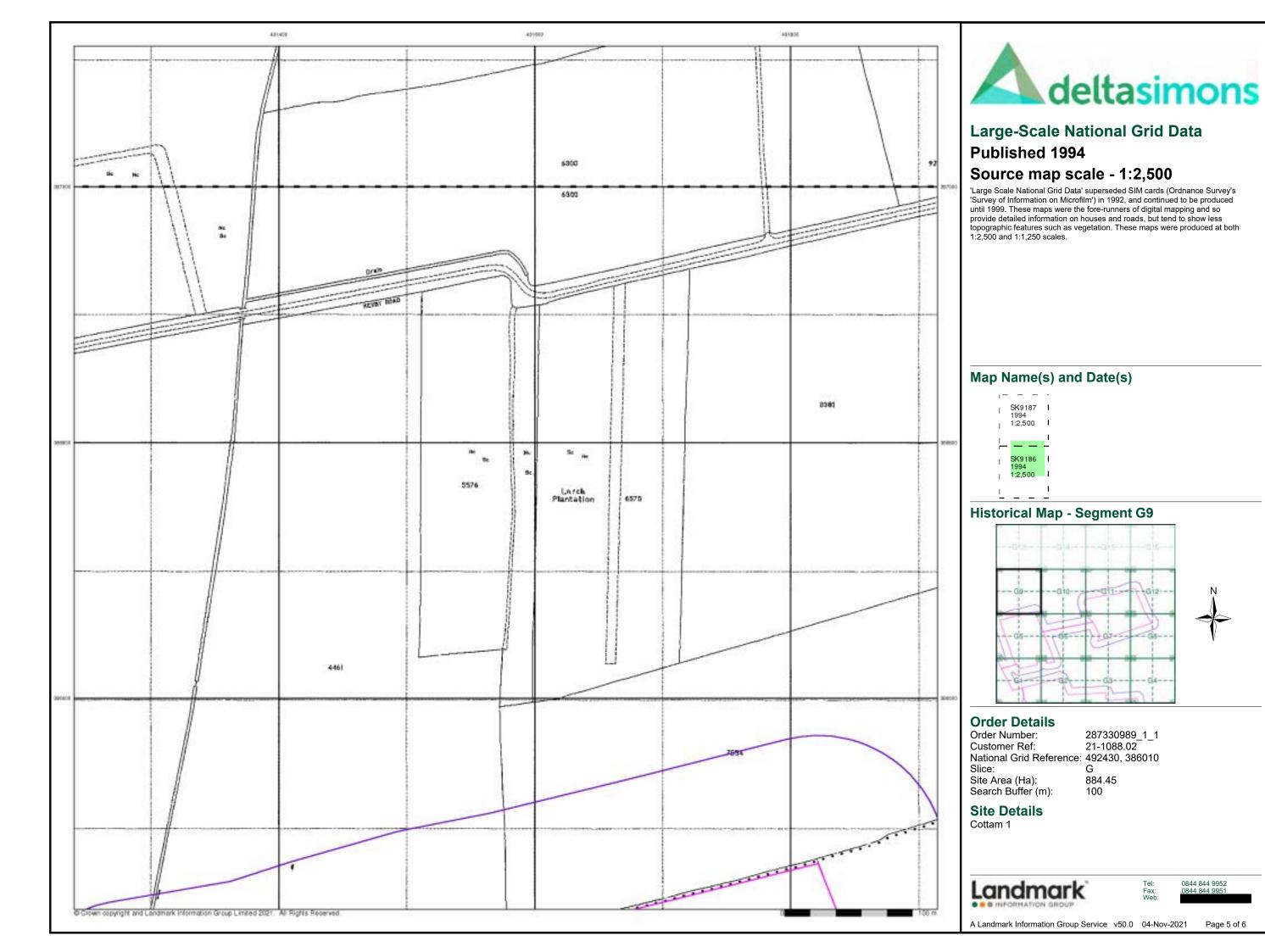


287330989\_1\_1 Customer Ref: 21-1088.02 National Grid Reference: 492430, 386010

884.45



0844 844 9952



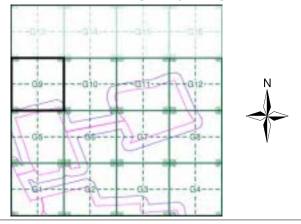




### **Historical Aerial Photography** Published 1999

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

### **Historical Aerial Photography - Segment G9**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492430, 386010

Slice:

Site Area (Ha): Search Buffer (m): 884.45 100

**Site Details** 

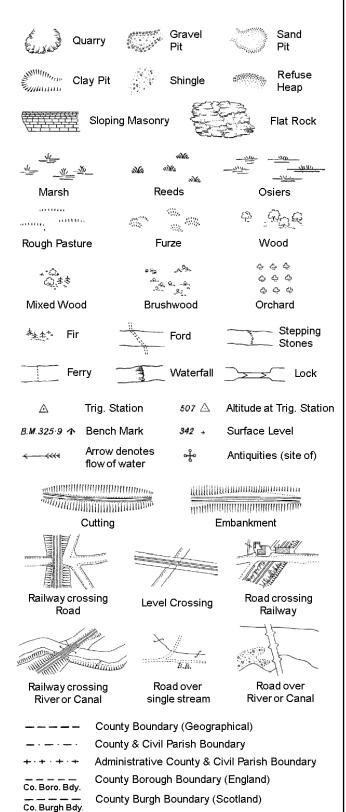
Cottam 1

Landmark

A Landmark Information Group Service v50.0 04-Nov-2021 Page 6 of 6

## **Historical Mapping Legends**

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



B.R.

EP

F.B.

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

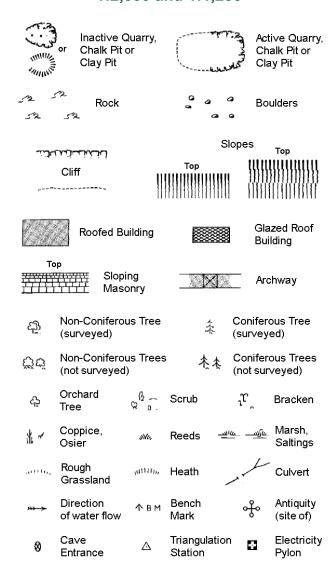
Trough Well

S.P

Sl.

Tr:

### Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



**Electricity Transmission Line** 

County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
London Borough Boundary
Symbol marking point where boundary mereing changes

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

# 1:1,250

	~~~~	Slo	opes Top
	 دانگرای	Тор	RECEINE
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
232	Rock	23	Rock (scattered)
$\triangle_{a}$	Boulders	<i>\triangle</i>	Boulders (scattered)
$\Box$	Positioned Boulder		Scree
<u> </u>	Non-Coniferous Tree (surveyed)	*	Coniferous Tree (surveyed)
స్తోల్	Non-Coniferous Trees (not surveyed)	春春	Coniferous Trees (not surveyed)
දා	Orchard $Q = Q = Q = Q$ So	rub	<sub>ໃ</sub> ຕຸ Bracken
* ~	Coppice, Re	eds 🗝	سے Marsh, Saltings
astiles,	Rough ann, He Grassland	eath	Culvert
<del>&gt;&gt;&gt;</del>		angulation ation	Antiquity (site of)
_ E_TL _	Electricity Transmissio	n Line	Electricity Pylon
\ K BM	231.60m Bench Mark		Buildings with Building Seed
	Roofed Building		Glazed Roof Building
· ·	Civil parish/co District bound		oundary
_ •	— County bound	ary	
0	Boundary post	/stone	
£	_		ol (note: these ed pairs or groups
Bks	Barracks	Р	Pillar, Pole or Post
Bty	Battery	PO PO	Post Office
Cemy Chy	Cemetery Chimney	PC Pp	Public Convenience Pump
Cis	Cistern	гр Ppg Sta	Pumping Station
Dismtd F		PW	Place of Worship
El Gen S	ta Electricity Generating Station	Sewage P <sub>l</sub>	pg Sta Sewage Pumping Station
EIP	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub S	ta Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fr	n Fountain / Drinking Ftn.	Tk	Tank or Track

Gas Valve Compound

Mile Post or Mile Stone

Gas Governer

**Guide Post** 

Manhole

Tr

Wd Pp

Wks

Trough

Wind Pump Wr Pt. Wr T Water Point, Water Tap

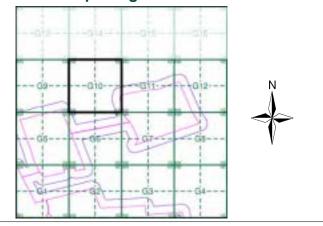
Works (building or area)



### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

### **Historical Map - Segment G10**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 492430, 386010 Slice:

884.45 Site Area (Ha): Search Buffer (m):

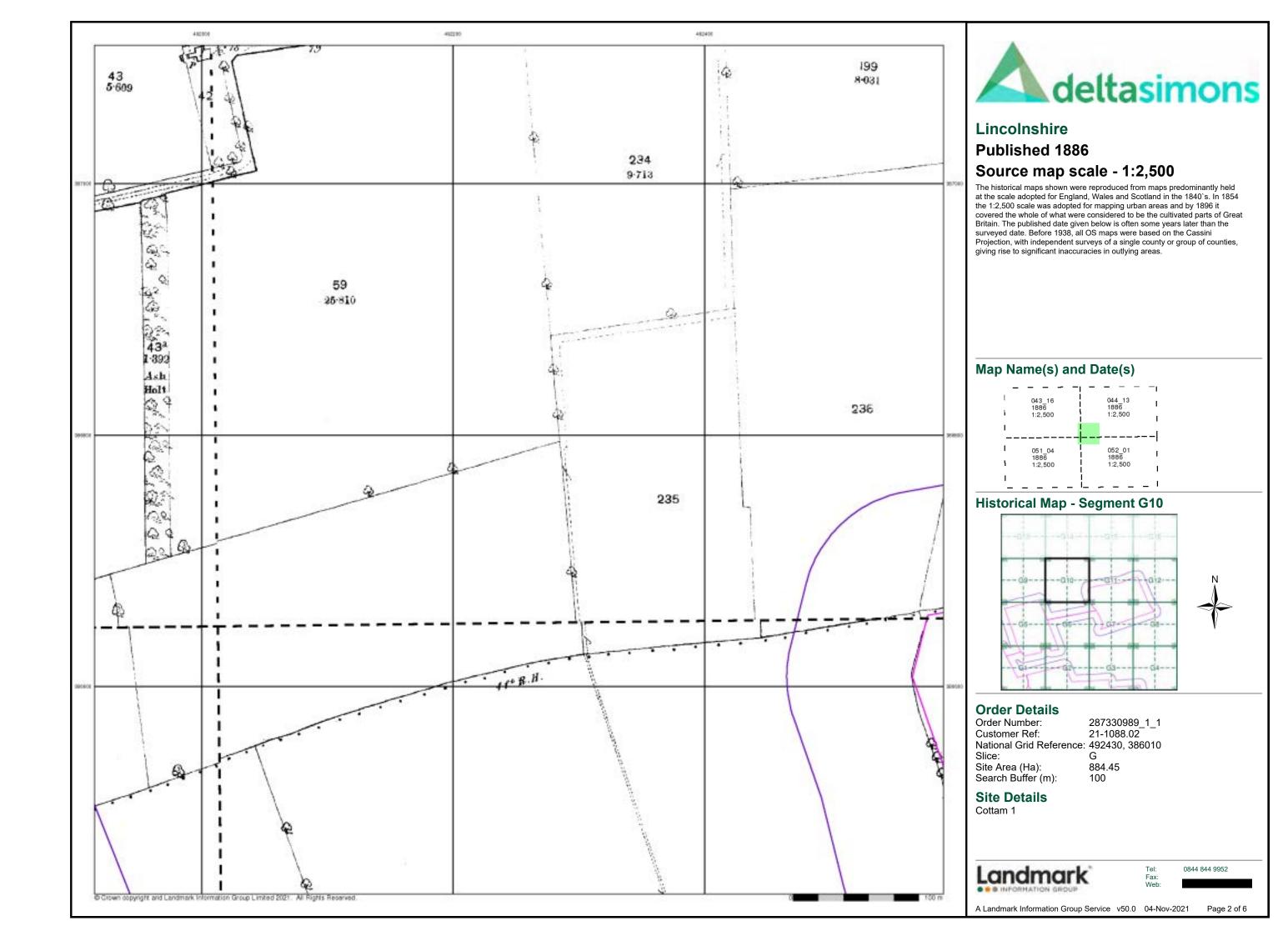
**Site Details** Cottam 1

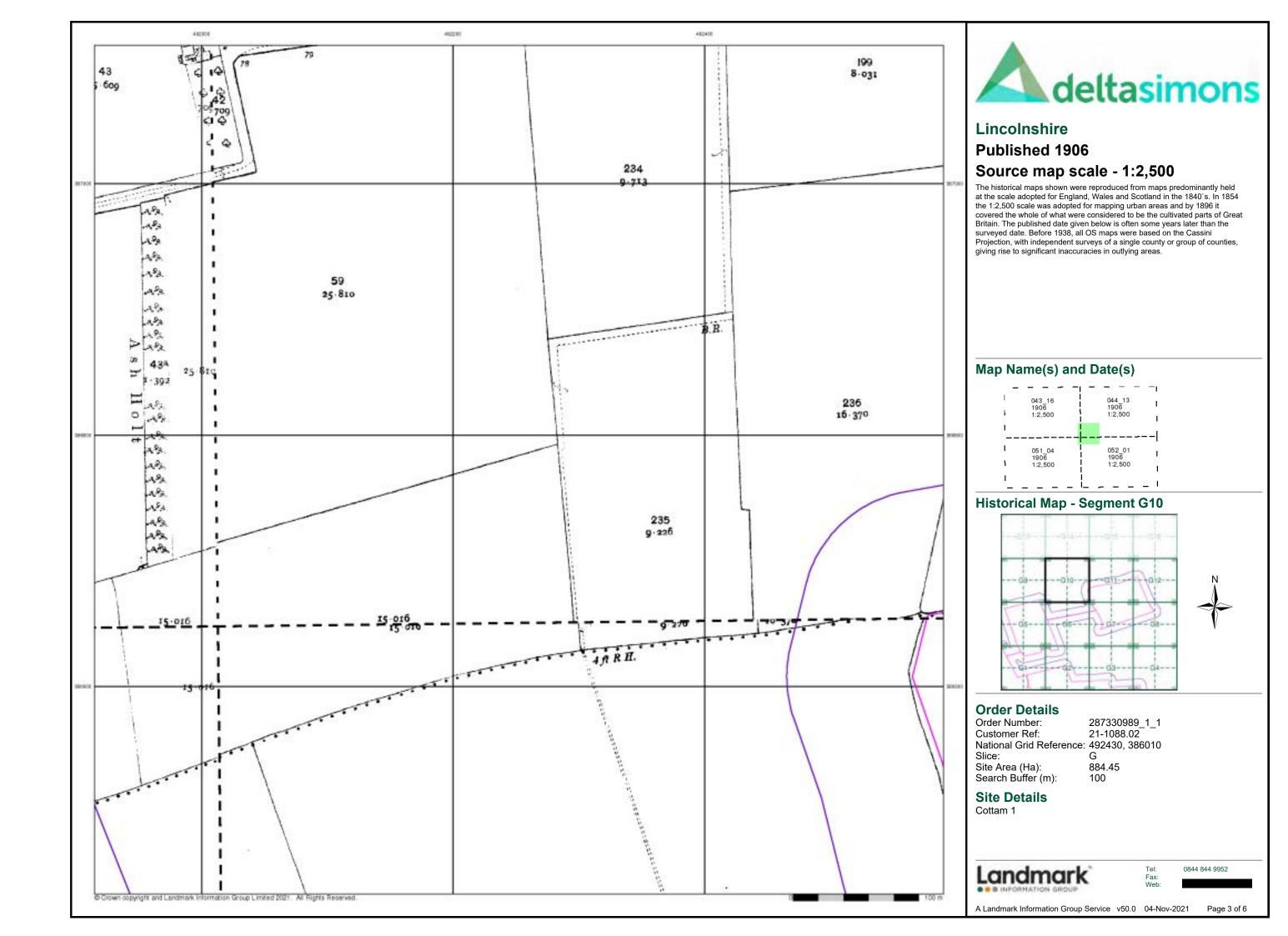
Landmark

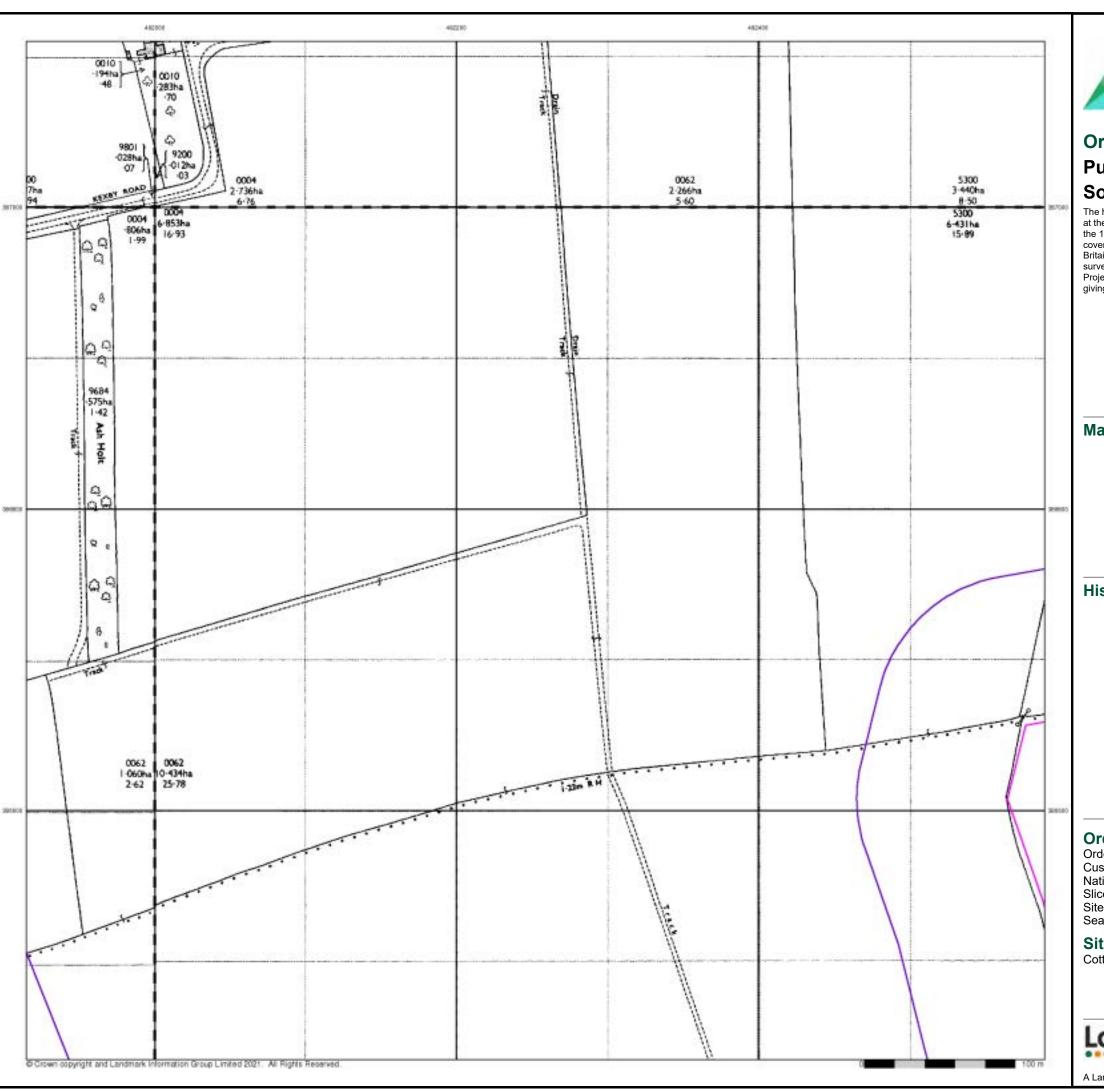
0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021

Page 1 of 6









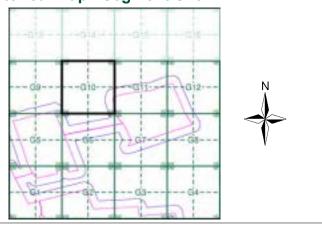
### Ordnance Survey Plan Published 1974 Source map scale - 1:2,500

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)

		ı		ı
1	SK9187 1974	ī	SK9287 1974	I
1	1:2,500	I	1:2,500	I
-		ı		ļ
1	SK9186 1974	ī	SK9286 1974	ı
- 1	1:2,500	T	1:2,500	I
1		ī		ı

### **Historical Map - Segment G10**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492430, 386010

Slice:

Site Area (Ha): 884.45 Search Buffer (m): 100

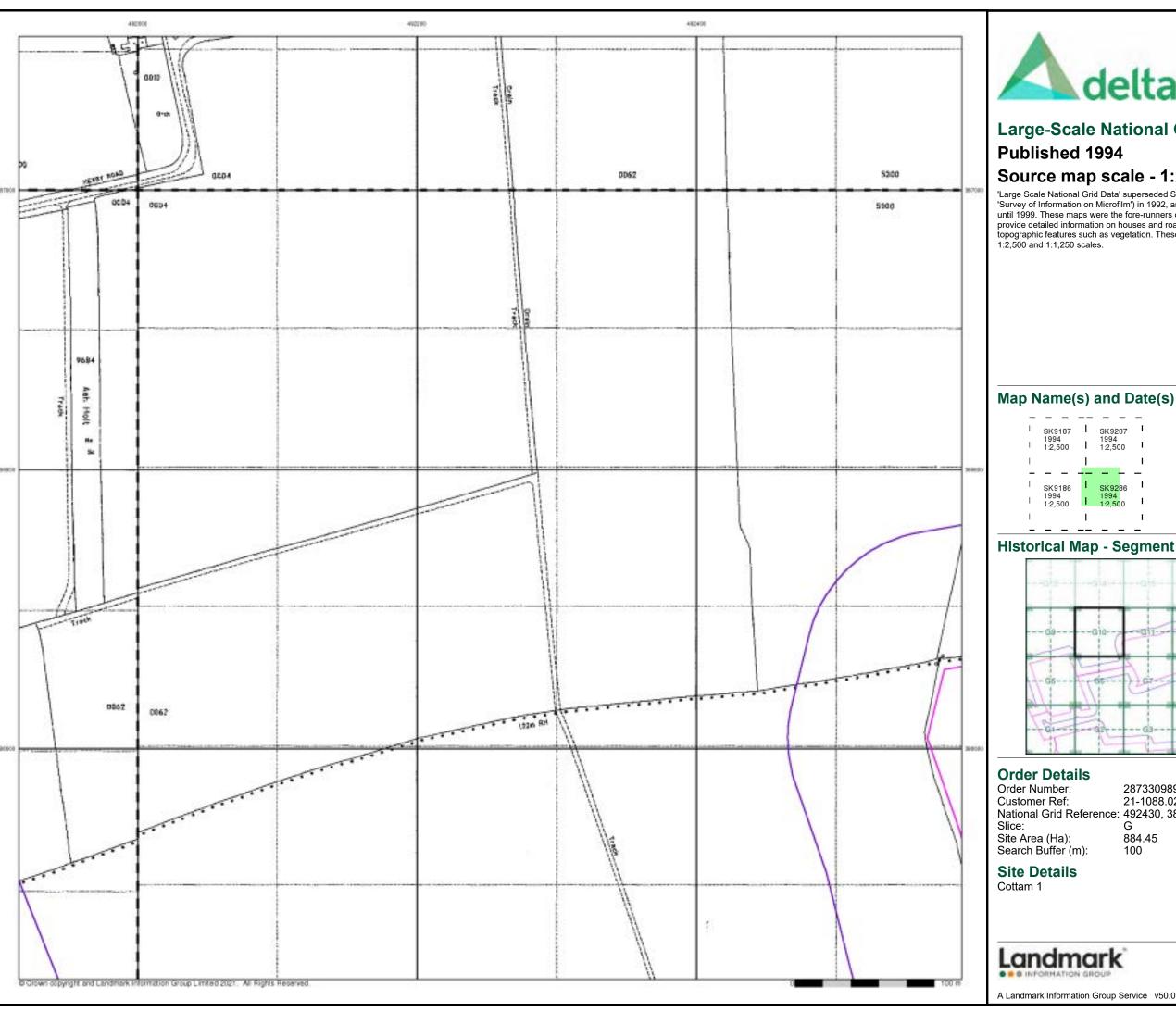
### **Site Details**

Cottam 1



el: 0844 844 9952 ax: /eb:

Veb:



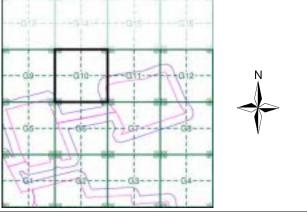


# **Large-Scale National Grid Data** Source map scale - 1:2,500

'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.

l I	SK9187 1994 1:2.500	 	SK9287 1994 1:2.500	I I
1	12,000	Ĺ	1.2,000	I
ī	 SK9186	ī	SK9286	_
1	1994 1:2,500	1	1994 1:2,500	ı
1		-1		I

### **Historical Map - Segment G10**

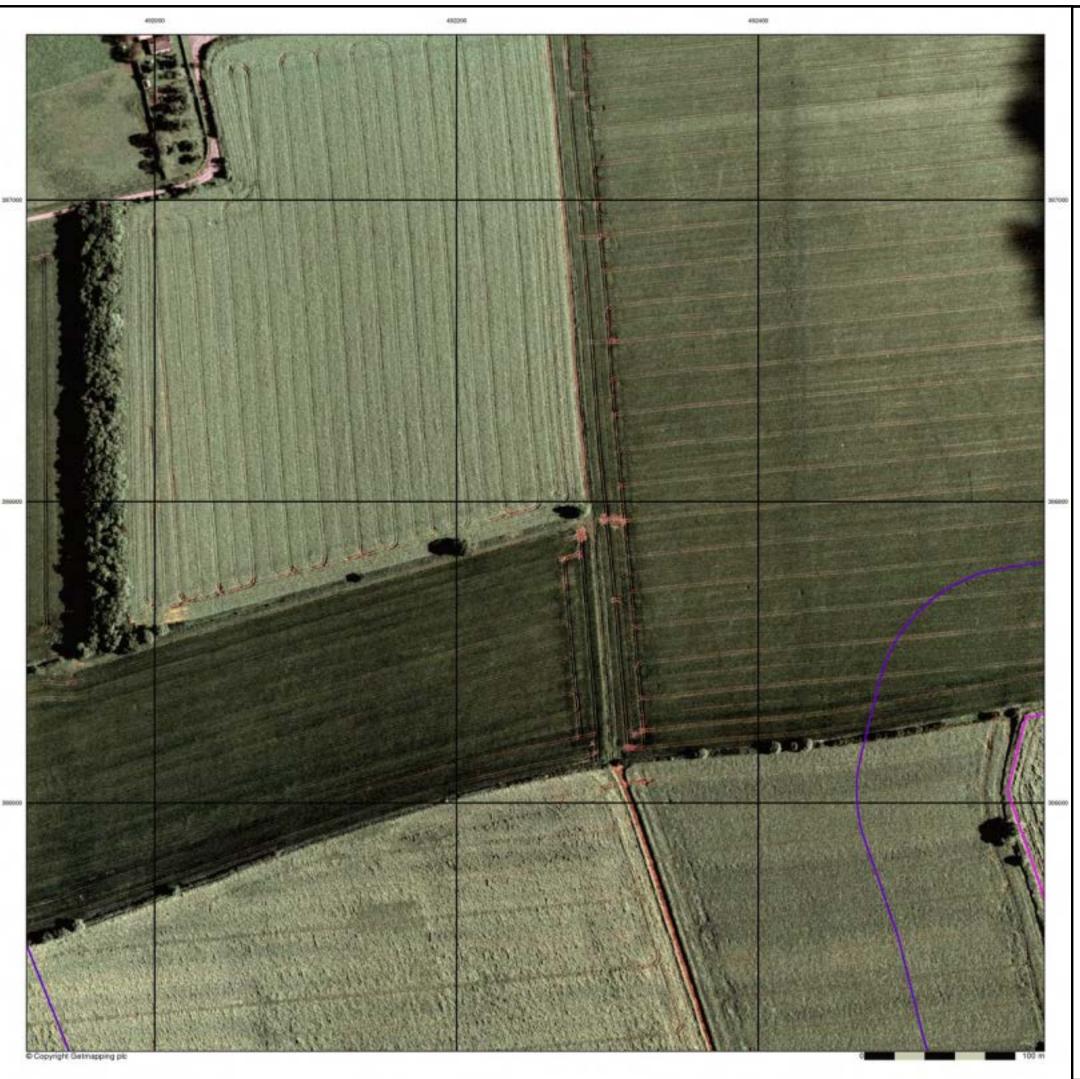


Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492430, 386010

884.45

0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021 Page 5 of 6

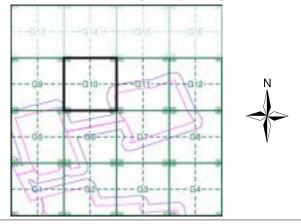




### **Historical Aerial Photography** Published 1999

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

### **Historical Aerial Photography - Segment G10**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492430, 386010

Slice:

884.45 100 Site Area (Ha): Search Buffer (m):

### **Site Details**

Cottam 1

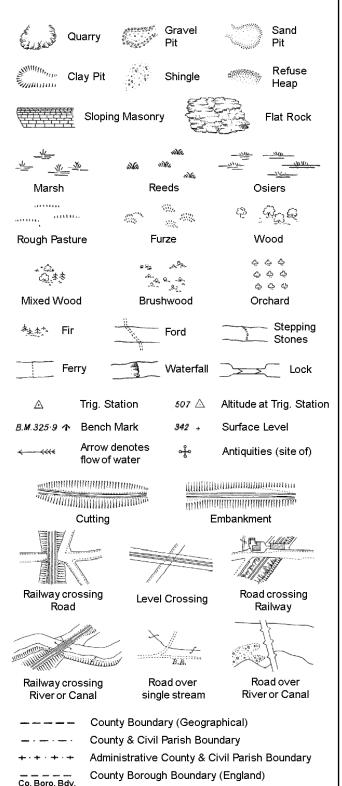
Landmark

0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021 Page 6 of 6

## **Historical Mapping Legends**

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



County Burgh Boundary (Scotland)

S.P

Sl.

Tr:

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

Trough Well

Co. Burgh Bdy.

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

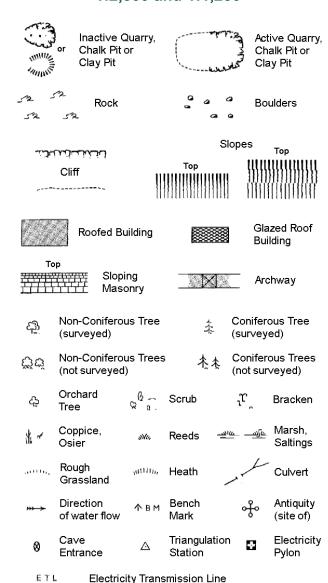
Electricity Pylor

B.R.

EP

F.B.

### **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



ETL Electricity Transmission Line	
-----------------------------------	--

	County Boundary (Geographical)
	County & Civil Parish Boundary
	Civil Parish Boundary
· <del></del> · ·	Admin. County or County Bor. Boundary
L B Bdy	London Borough Boundary
	Symbol marking point where boundary mereing changes

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

### Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and 1:1,250

#77 <b>8</b> - C	~~~	Slo	opes Top
	טוי <del>ג</del> טיבאיבטנט	Тор	uluuuuuuu
,	Cliff		
525	Rock	52	Rock (scattered)
$\square_{\Delta}$	Boulders	Δ	Boulders (scattered)
$\triangle$	Positioned Boulder		Scree
<u> </u>	Non-Coniferous Tree (surveyed)	*	Coniferous Tree (surveyed)
ජ්ජ	Non-Coniferous Trees (not surveyed)	* **	Coniferous Trees (not surveyed)
දා	Orchard $Q = \widehat{Q}$ Tree $\widehat{Q} = \widehat{Q}$	Scrub	າ <sup>າ</sup> Bracken
* ~	Coppice, Osier	Reeds 🛥	اش <u>سان</u> Marsh, Saltings
astte,	Rough ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Heath	Culvert
<del>*** &gt;</del>	Direction A of water flow	Triangulatior Station	Antiquity (site of)
_ E T L _	_ Electricity Transmis	ssion Line	⊠ Electricity Pylon
/ <sub>E</sub> / BM	231.60m Bench Mark		Buildings with Building Seed
	Roofed Building		Glazed Roof Building
	Civil parish	/community b undary	oundary
_ •	—— County boo	ındary	
٥	Boundary p	ost/stone	
Æ			ol (note: these ed pairs or groups
Bks	Barracks	Р	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC Pn	Public Convenience Pump
Chy Cis	Chimney Cistern	Pp Ppg Sta	Pump Pumping Station
Dismtd F		PW	Place of Worship
El Gen S	ta Electricity Generating Station	Sewage P	pg Sta Sewage Pumping Station
EIP	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub S	ta Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn/DFr	Fountain / Drinking Ftn.	Tk	Tank or Track

Gas Valve Compound

Mile Post or Mile Stone

Gas Governer

**Guide Post** 

Manhole

Tr

Wd Pp

Wks

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

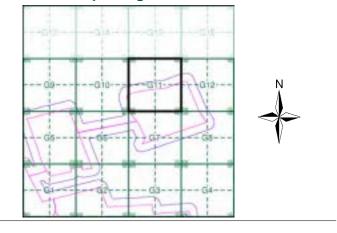
Works (building or area)



### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

### **Historical Map - Segment G11**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 492430, 386010 Slice: G 884.45 Site Area (Ha):

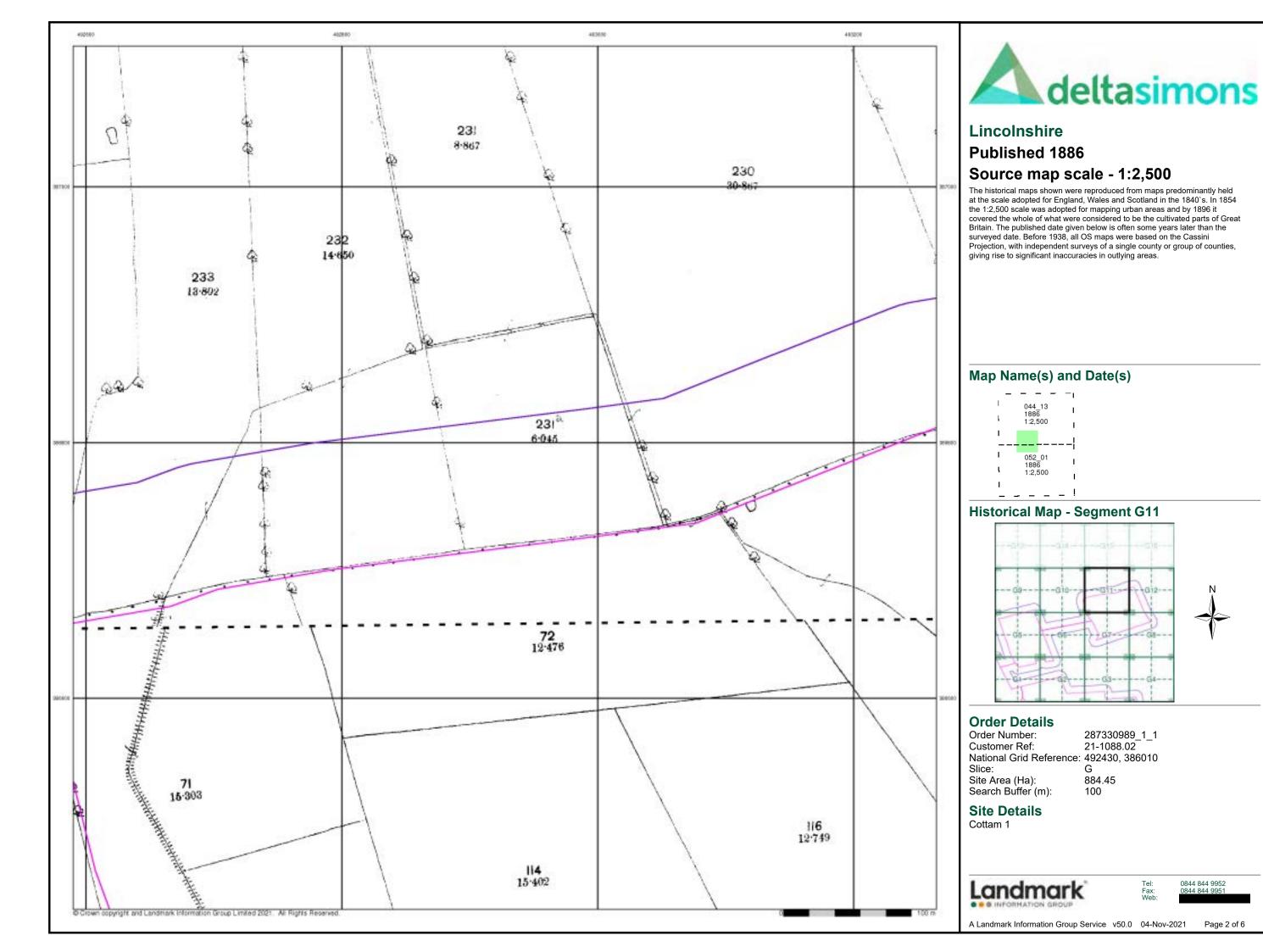
Search Buffer (m):

**Site Details** Cottam 1



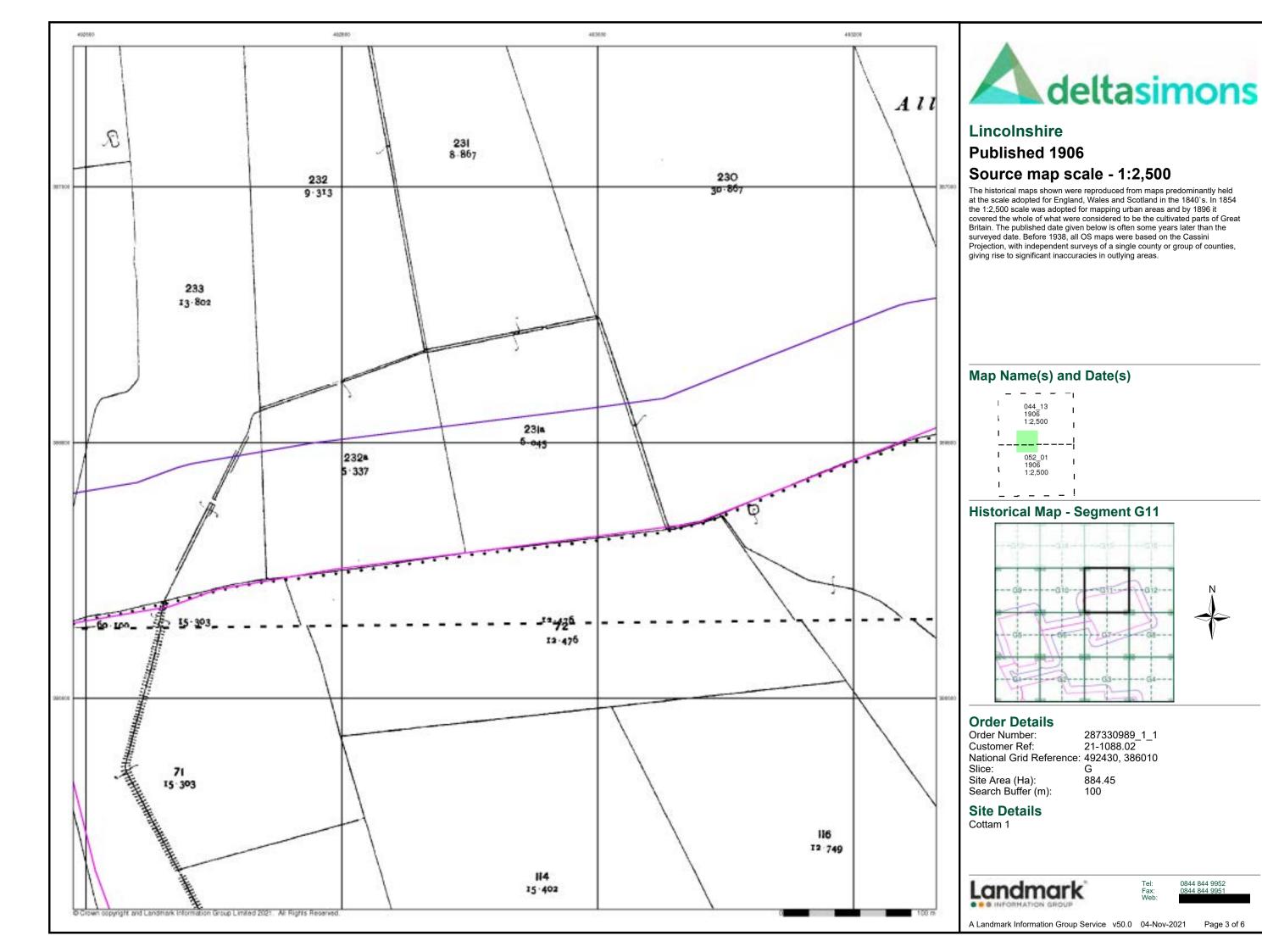
0844 844 9952

Page 1 of 6



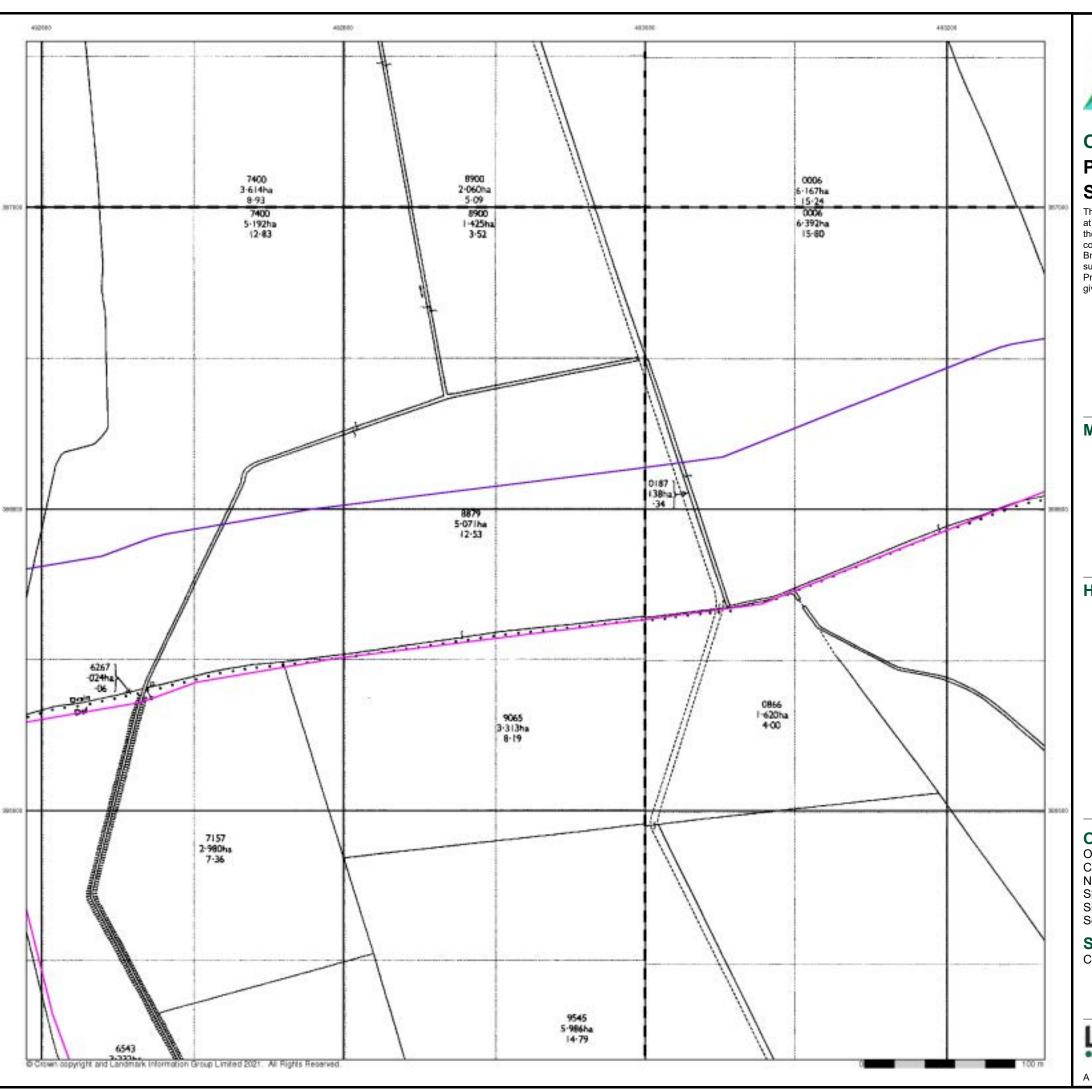
0844 844 9952

Page 2 of 6



0844 844 9952

Page 3 of 6





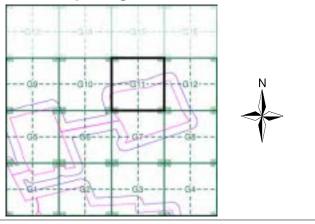
### **Ordnance Survey Plan** Published 1974 Source map scale - 1:2,500

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 surveyes of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

### Map Name(s) and Date(s)

 	SK9287 1974 12,500	SK9387 I 1974 1:2,500
		<b> -</b>
1	SK9286 1974 1:2,500	SK9386 1974 1:2,500
1	1.2,000	1

### **Historical Map - Segment G11**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492430, 386010 Slice: G

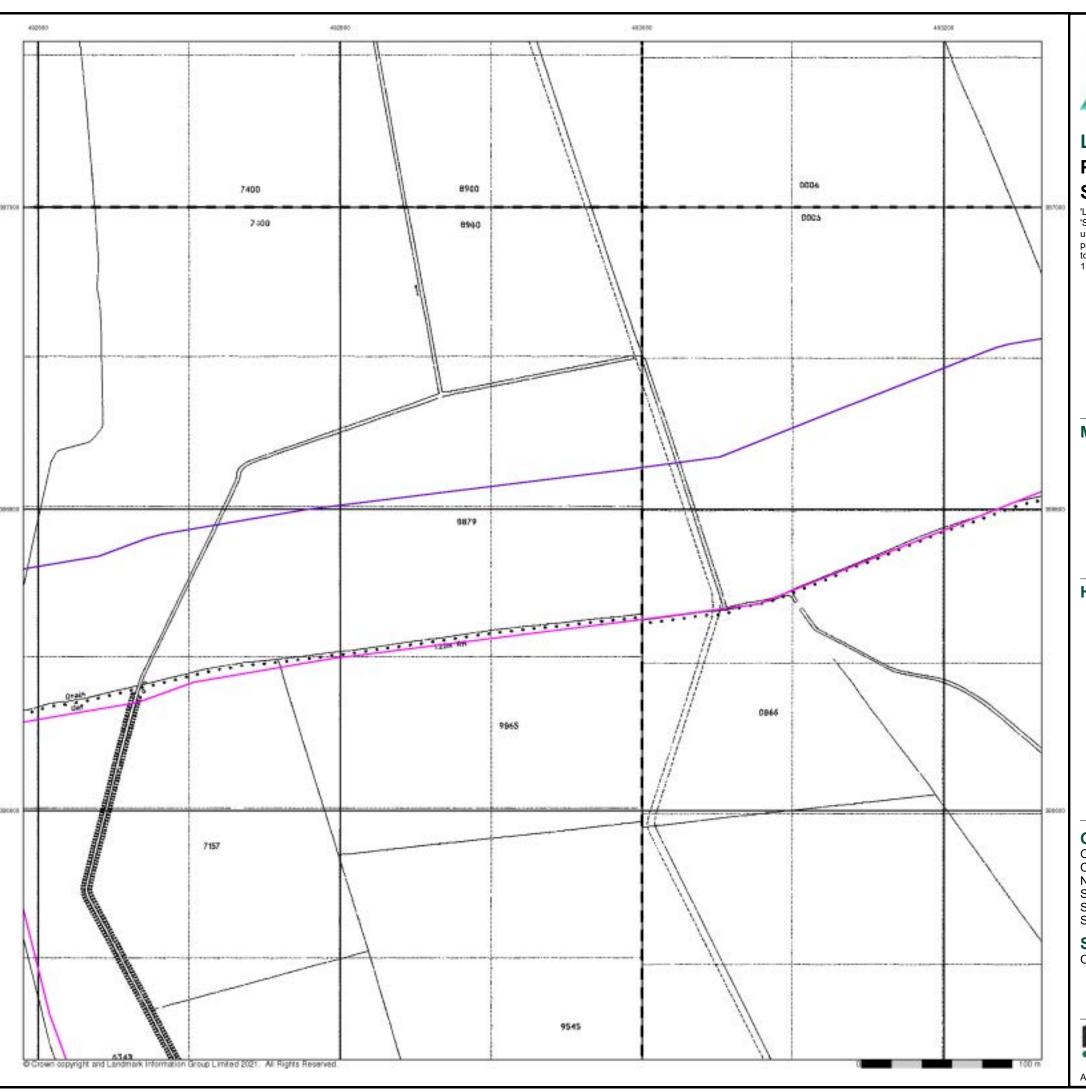
Site Area (Ha): Search Buffer (m): 884.45

### **Site Details**

Cottam 1



0844 844 9952





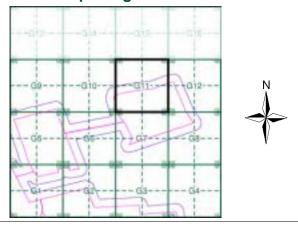
### **Large-Scale National Grid Data** Published 1994 Source map scale - 1:2,500

'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)

1	SK9287	-1	SK9387	ı
1	1994 1:2,500	- 1	1994 1:2,500	ı
1		- 1		- 1
_				_
Ī	SK9286	ī	SK9386	
   	SK9286 1994 1:2,500	 	SK9386 1994 1:2,500	_   

### **Historical Map - Segment G11**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492430, 386010 Slice: 884.45

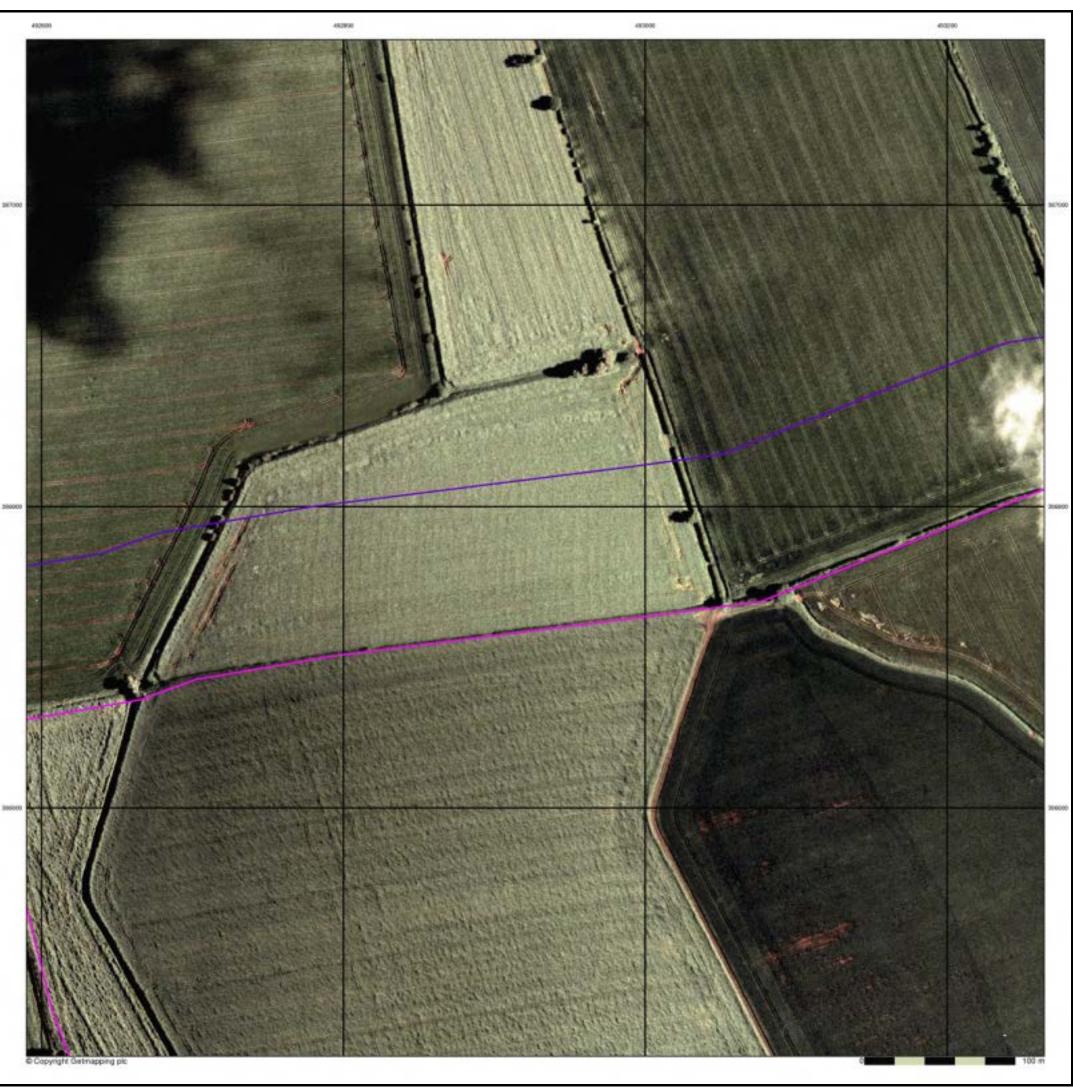
Site Area (Ha): Search Buffer (m):

### **Site Details**

Cottam 1



0844 844 9952

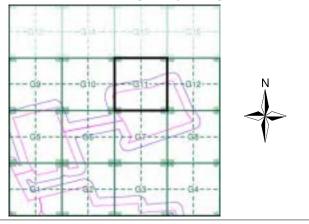




### **Historical Aerial Photography** Published 1999

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

### **Historical Aerial Photography - Segment G11**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492430, 386010

Slice:

Site Area (Ha): Search Buffer (m): 884.45 100

### **Site Details**

Cottam 1

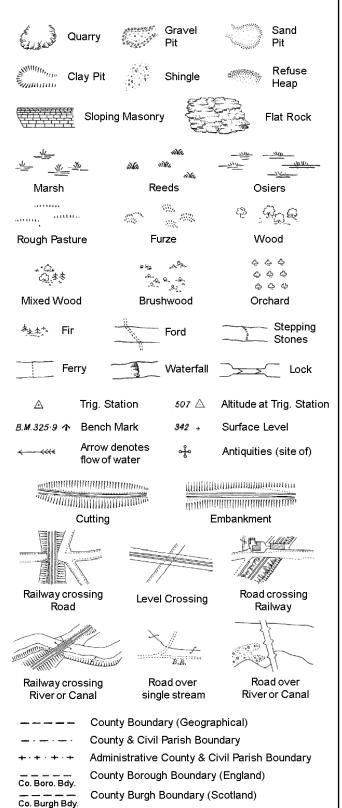
Landmark

0844 844 9952 0844 844 9951

A Landmark Information Group Service v50.0 04-Nov-2021 Page 6 of 6

## **Historical Mapping Legends**

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



B.R.

E.P

F.B.

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

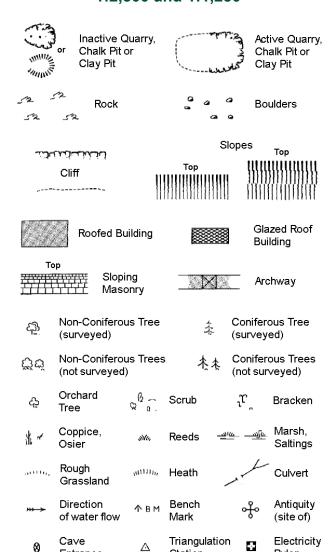
Trough Well

S.P

Sl.

Tr:

Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



ETL	Electricit	y Transmission Line
	_ <	ounty Boundary (Geographic
	_	annature Official Desirate Decimales

County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary mereing changes

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

# 1:1,250

Slopes Ton					
 ئىنىنىلىن		To	g	11111111	Гор 
	Cliff	1131111111	!!!!!!!!!	]]]]]]]	!!!!!!!!!
	-	[[[]]]]]]	1111111111		
523	Rock		23	Rock (sc	attered)
	Boulders		Δ.	Boulders	(scattered)
$\triangle$	Positioned Boul	der		Scree	
දවු	Non-Coniferous (surveyed)	Tree	-1-	Conifero (surveye	
ਨੁੱਖ	Non-Coniferous (not surveyed)	Trees	<b>→ →</b>	Conifero (not surv	us Trees eyed)
දා	Orchard Tree	β Ω Scru	du	L.	Bracken
* ~	Coppice, Osier	w. Ree	ds <u>- w</u> id	<u>ം —ചും</u>	Marsh, Saltings
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Rough Grassland	uuu, Hea	th /	1 to	Culvert
<del>&gt;&gt;&gt; →</del>	Direction of water flow	∆ Tria Stat	ngulation ion	ઌ૾ૢૺ૰	Antiquity (site of)
E_TL	_ Electricity Tr	ansmission	Line	$\boxtimes$	Electricity Pylon
\ <del>€</del> \ 8₩	231.60m Bench	ı Mark		Building Building	
	Roofed Bu	ilding		4	azed Roof ilding
	· · · Civil	parish/com	munity bo	oundary	
		rict boundar	-	-	
_ •	-— Cou	nty boundar	ту		
٥	Bou	ndary post/s	stone		
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)					
Bks	Barracks		Р	Pillar, Pole	e or Post
Bty	Battery		PO	Post Offic	-
Cemy	Cemetery		PC D		nvenience
Chy Cis	Chimney Cistern		Pp Ppg Sta	Pump Pumping	Station
Dismtd R		ailway	PW -	Place of W	
El Gen S	-	-	Sewage Pp	g Sta Se	wage mping Station
EIP	Electricity Pole, F	Pillar	SB, S Br		x or Bridge
	ta Electricity Sub S		SP, SL	_	st or Light
FB	Filter Bed		Spr	Spring	
Fn / D Fn	Fountain / Drinki	ng Ftn.	Tk -	Tank or Tr	rack

Gas Valve Compound

Mile Post or Mile Stone

Gas Governer

**Guide Post** 

Manhole

GVC

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Wd Pp

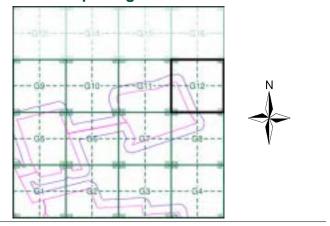
Wks



### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

### **Historical Map - Segment G12**



#### **Order Details**

Order Number: 287330989\_1\_1 **Customer Ref:** 21-1088.02 National Grid Reference: 492430, 386010 G

Slice:

884.45 Site Area (Ha): Search Buffer (m):

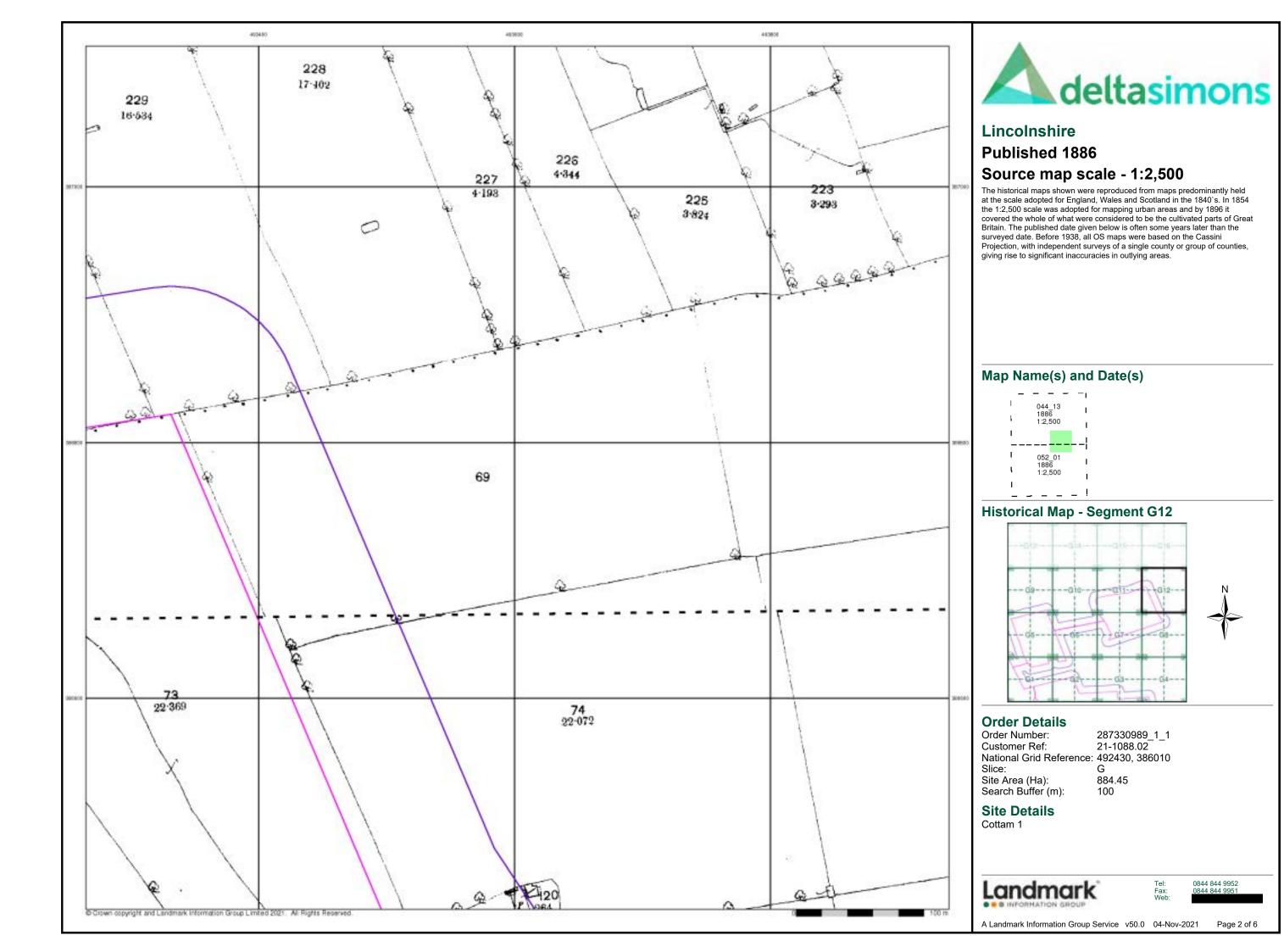
### **Site Details**

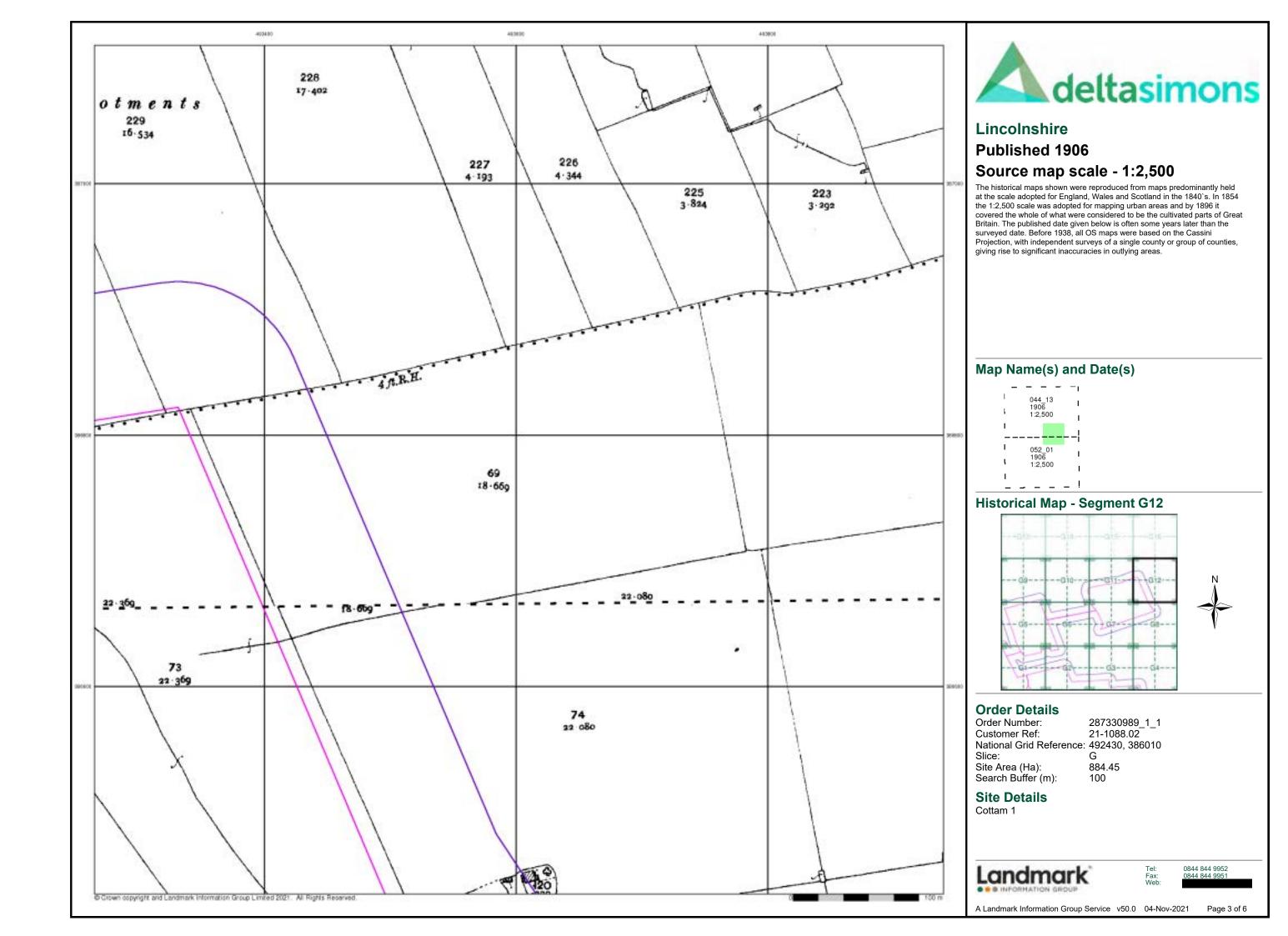
Cottam 1

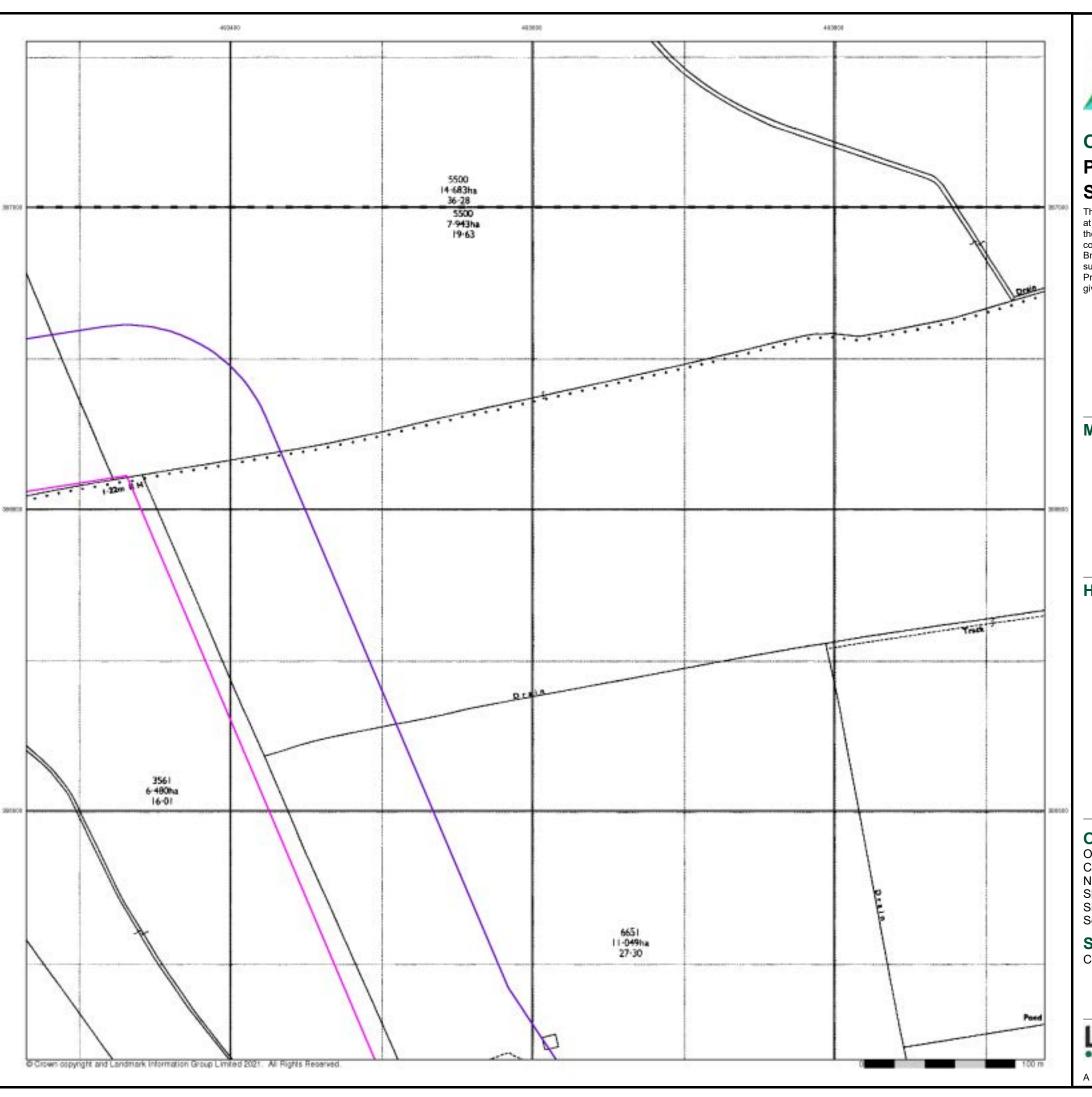


0844 844 9952

Page 1 of 6





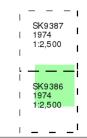




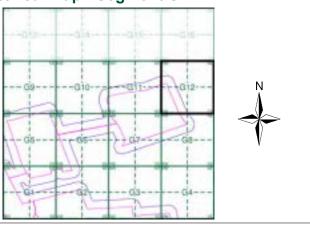
### **Ordnance Survey Plan** Published 1974 Source map scale - 1:2,500

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 surveyes 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 G12**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492430, 386010 G

Slice:

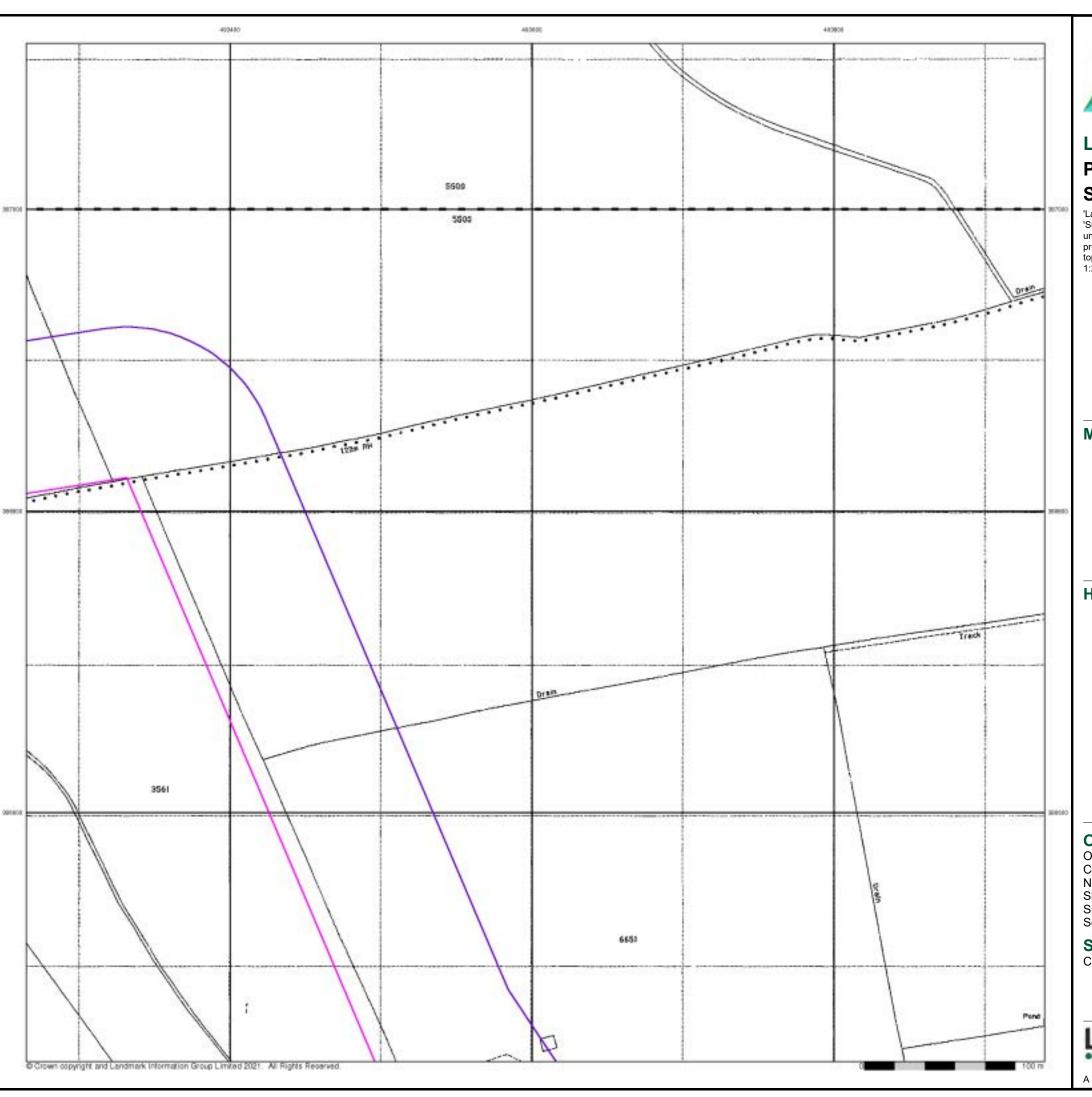
Site Area (Ha): Search Buffer (m): 884.45

### **Site Details**

Cottam 1



0844 844 9952





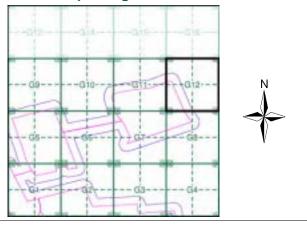
### **Large-Scale National Grid Data** Published 1994 Source map scale - 1:2,500

'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)

1-	_	_	-
	SK93	887	I
	1:2,5	00	I
1			ı
<u> </u>	—	—	-
	SK93	886	ı
- 1	1:2,5	00	ı
ı			ı

### **Historical Map - Segment G12**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492430, 386010 Slice:

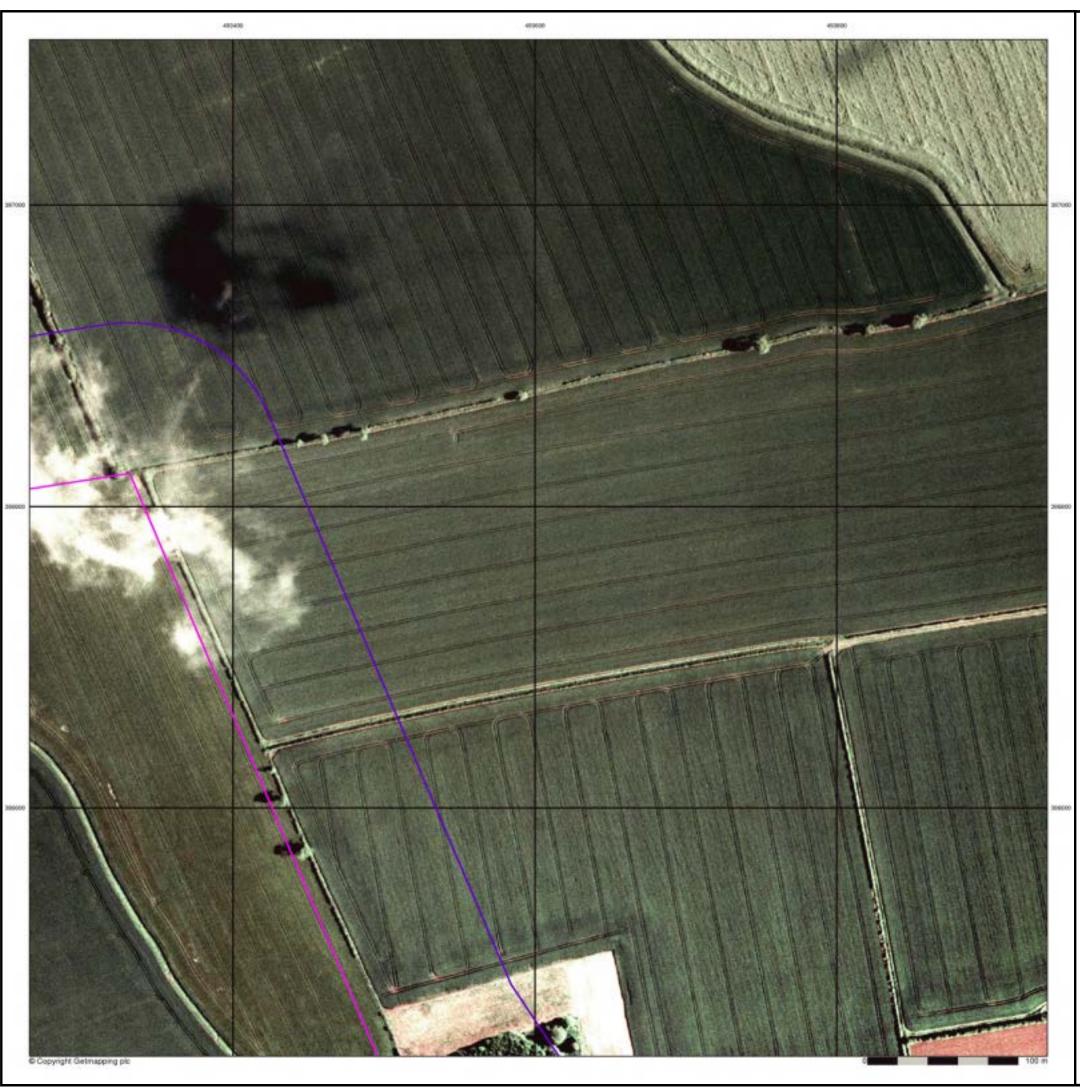
Site Area (Ha): Search Buffer (m): 884.45

### **Site Details**

Cottam 1



0844 844 9952

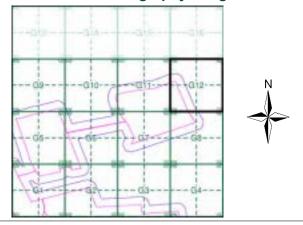




### **Historical Aerial Photography** Published 1999

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

### **Historical Aerial Photography - Segment G12**



#### **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 492430, 386010

Slice:

Site Area (Ha): Search Buffer (m): 884.45 100

### **Site Details**

Cottam 1

Landmark

0844 844 9952 0844 844 9951

A Landmark Information Group Service v50.0 04-Nov-2021 Page 6 of 6

## Appendix D – Landmark Envirocheck Report





## **Envirocheck® Report:**

### **Datasheet**

### **Order Details:**

**Order Number:** 

287330989\_1\_1

**Customer Reference:** 

21-1088.02

**National Grid Reference:** 

490330, 381530

Slice:

Α

Site Area (Ha):

884.45

Search Buffer (m):

250

#### **Site Details:**

Cottam 1

### **Client Details:**

Mr A Howells Delta Simons 3 Henley Office Park Doddington Road Lincoln LN6 3QR







Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	16
Hazardous Substances	-
Geological	17
Industrial Land Use	20
Sensitive Land Use	21
Data Currency	22
Data Suppliers	27
Useful Contacts	28

#### 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.

#### **Copyright Notice**

© Landmark Information Group Limited 2021. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, the Environment Agency/Natural Resources Wales and Natural England, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer.

A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark,

A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report.

© Environment Agency & United Kingdom Research and Innovation 2021. © Natural Resources Wales & United Kingdom Research and Innovation 2021.

#### **Natural England Copyright Notice**

Site of Special Scientific Interest, National Nature Reserve, Ramsar, Special Protection Area, Special Conservation Area, Marine Nature Reserve data (derived from Ordnance Survey 1:10000 raster) is provided by, and used with the permission of, Natural England who retain the copyright and Intellectual Property Rights for the data.

#### Scottish Natural Heritage Copyright

Contains SNH information licensed under the Open Government Licence v3.0.

#### Ove Arup Copyright Notice

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

#### Stantec Copyright Notice

The cavity data presented has been extracted from the PBA (now Stantec UK Ltd) enhanced version of the original DEFRA national cavity databases. Stantec UK Ltd retain the copyright & intellectual property rights in the data. Whilst all reasonable efforts are made to check that the information contained in the cavity databases is accurate we do not warrant that the data is complete or error free. The information is based upon our own researches and those collated from a number of external sources and is continually being augmented and updated by Stantec UK Ltd. In no event shall Stantec UK Ltd or Landmark be liable for any loss or damage including, without limitation, indirect or consequential loss or damage arising from the use of this data.

#### Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England.

#### Natural Resources Wales Copyright Notice

Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Contains Ordnance Survey Data. Ordnance Survey Licence number 100019741. Crown Copyright and Database Right. Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Some features of this information are based on digital spatial data licensed from the Centre for Ecology & Hydrology © NERC (CEH). Defra, Met Office and DARD Rivers Agency © Crown copyright. © Cranfield University. © James Hutton Institute. Contains OS data © Crown copyright and database right 2021. Land & Property Services © Crown copyright and database right.

Report Version v53.0



### **Summary**

Data Type	Page Number	On Site	0 to 250m (*up to 500m)
Agency & Hydrological			
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes
Contaminated Land Register Entries and Notices			
Discharge Consents	pg 2		3
Prosecutions Relating to Controlled Waters			n/a
Enforcement and Prohibition Notices			
Integrated Pollution Controls			
Integrated Pollution Prevention And Control			
Local Authority Integrated Pollution Prevention And Control			
Local Authority Pollution Prevention and Controls			
Local Authority Pollution Prevention and Control Enforcements			
Nearest Surface Water Feature	pg 3	Yes	
Pollution Incidents to Controlled Waters	pg 3		3
Prosecutions Relating to Authorised Processes			
Registered Radioactive Substances			
River Quality	pg 4	1	
River Quality Biology Sampling Points			
River Quality Chemistry Sampling Points			
Substantiated Pollution Incident Register			
Water Abstractions	pg 4		(*1)
Water Industry Act Referrals			
Groundwater Vulnerability Map	pg 4	Yes	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a
Groundwater Vulnerability - Local Information			n/a
Bedrock Aquifer Designations	pg 11	Yes	n/a
Superficial Aquifer Designations	pg 11	Yes	n/a
Source Protection Zones			
Extreme Flooding from Rivers or Sea without Defences	pg 12	Yes	Yes
Flooding from Rivers or Sea without Defences	pg 12	Yes	Yes
Areas Benefiting from Flood Defences			
Flood Water Storage Areas			
Flood Defences	pg 13	Yes	Yes
OS Water Network Lines	pg 13	5	17



### **Summary**

Data Type	Page Number	On Site	0 to 250m (*up to 500m)
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 16	2	n/a
Local Authority Recorded Landfill Sites			
Potentially Infilled Land (Non-Water)			
Potentially Infilled Land (Water)			
Registered Landfill Sites			
Registered Waste Transfer Sites			
Registered Waste Treatment or Disposal Sites			
Hazardous Substances			
Control of Major Accident Hazards Sites (COMAH)			
Explosive Sites			
Notification of Installations Handling Hazardous Substances (NIHHS)			
Planning Hazardous Substance Consents			
Planning Hazardous Substance Enforcements			



### **Summary**

Data Type	Page Number	On Site	0 to 250m (*up to 500m)
Geological			
BGS 1:625,000 Solid Geology	pg 17	Yes	n/a
BGS Estimated Soil Chemistry	pg 17	Yes	Yes
BGS Recorded Mineral Sites			
BGS Urban Soil Chemistry			
BGS Urban Soil Chemistry Averages			
CBSCB Compensation District			n/a
Coal Mining Affected Areas			n/a
Mining Instability			n/a
Man-Made Mining Cavities			
Natural Cavities			
Non Coal Mining Areas of Great Britain			
Potential for Collapsible Ground Stability Hazards	pg 18	Yes	
Potential for Compressible Ground Stability Hazards	pg 18	Yes	
Potential for Ground Dissolution Stability Hazards			
Potential for Landslide Ground Stability Hazards	pg 18	Yes	
Potential for Running Sand Ground Stability Hazards	pg 18	Yes	Yes
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 19	Yes	
Radon Potential - Radon Affected Areas			n/a
Radon Potential - Radon Protection Measures			n/a
Industrial Land Use			
Contemporary Trade Directory Entries			
Fuel Station Entries			
Points of Interest - Commercial Services			
Points of Interest - Education and Health			
Points of Interest - Manufacturing and Production	pg 20		1
Points of Interest - Public Infrastructure			
Points of Interest - Recreational and Environmental			
Gas Pipelines			
Underground Electrical Cables			



#### **Summary**

Data Type	Page Number	On Site	0 to 250m (*up to 500m)
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 21	1	
Ramsar Sites			
Sites of Special Scientific Interest			
Special Areas of Conservation			
Special Protection Areas			
World Heritage Sites			



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A15SW	0	1	490000
		(NW)	Ů	'	381900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A14SE (NW)	0	1	489750 381800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	0	1	489550
	BGS Groundwater Flooding Susceptibility	` ′			382550
	Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	0	1	488550 383050
	BGS Groundwater Flooding Susceptibility	(8.047)		4	
	Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	0	1	488900 383050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	0	1	491750
	BGS Groundwater Flooding Susceptibility				381900
	Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	0	1	489200 383100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	0	1	489150
	BGS Groundwater Flooding Susceptibility				383050
	Flooding Type: Limited Potential for Groundwater Flooding to Occur	A15SW (NW)	0	1	490100 381750
	BGS Groundwater Flooding Susceptibility	A1ENIM	0	1	400150
	Flooding Type: Limited Potential for Groundwater Flooding to Occur	A15NW (N)	0	1	490150 382050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	0	1	488750
	BGS Groundwater Flooding Susceptibility				382950
	Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	0	1	492000 382550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	0	1	489400
	BGS Groundwater Flooding Susceptibility				382650
	Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11NW (W)	0	1	490150 381533
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	0	1	489100
		(1447)	0	'	382700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SE (W)	0	1	489700 381750
	BGS Groundwater Flooding Susceptibility	(**)			301730
	Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (SE)	0	1	491050 380850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SW	0	1	490900
	BGS Groundwater Flooding Susceptibility	(SE)			381200
	Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11NW (W)	0	1	490000 381533
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A15SW	0	1	490150
	BGS Groundwater Flooding Susceptibility	(NW)			381850
	Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11NW (W)	0	1	490150 381500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(E)	0	1	491400
	r occurring Type. Potential for Groundwater i fooding to Occur at Surface	(⊏)	U	I	381150

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
		ooding Susceptibility Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SW (SE)	0	1	490600 381050
		ooding Susceptibility Limited Potential for Groundwater Flooding to Occur	A14NE (NW)	0	1	489850 382300
		ooding Susceptibility Limited Potential for Groundwater Flooding to Occur	(N)	0	1	490050 382550
		ooding Susceptibility Potential for Groundwater Flooding to Occur at Surface	(N)	0	1	490000 382850
		ooding Susceptibility Potential for Groundwater Flooding to Occur at Surface	A12NW (E)	0	1	490650 381533
		ooding Susceptibility Limited Potential for Groundwater Flooding to Occur	(NW)	12	1	489800 382800
		ooding Susceptibility Limited Potential for Groundwater Flooding to Occur	A14SE (NW)	17	1	489850 381750
		ooding Susceptibility Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	59	1	490300 382850
		ooding Susceptibility Limited Potential for Groundwater Flooding to Occur	A13NE (NW)	83	1	489200 382250
		ooding Susceptibility Potential for Groundwater Flooding to Occur at Surface	A10NE (W)	94	1	489850 381450
		ooding Susceptibility Potential for Groundwater Flooding to Occur at Surface	A14NW (NW)	97	1	489250 382200
		ooding Susceptibility Limited Potential for Groundwater Flooding to Occur	(NW)	126	1	488100 382850
		ooding Susceptibility Potential for Groundwater Flooding to Occur at Surface	A13NW (NW)	164	1	488650 382350
		ooding Susceptibility Potential for Groundwater Flooding to Occur at Surface	A8SW (SE)	210	1	490900 380450
		ooding Susceptibility Potential for Groundwater Flooding of Property Situated Below Ground Level	A7SE (S)	225	1	490335 380500
		ooding Susceptibility Limited Potential for Groundwater Flooding to Occur	(NW)	246	1	488050 382550
1	Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water:	Limestone Farming Company Domestic Property (Multiple) Top Farm Houses Top Farm, Thorpe In The Fallows, Lincoln, Ln1 2dr Environment Agency, Anglian Region Not Supplied Pr3nfs1617 1 12th March 1969 12th March 1969 28th March 1996 Sewage Discharges - Final/Treated Effluent - Not Water Company Freshwater Stream/River Trib River Till Pre National Rivers Authority Legislation where issue date < 01/09/1989	A8SE (SE)	55	2	491040 380650

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service



Page 3 of 28

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Discharge Consent	S				
2	Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water: Status: Positional Accuracy:	Limestone Farming Company WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Back Yard Furze Hill, Cammeringham Environment Agency, Anglian Region Not Supplied Pr3nfs1619 1 12th March 1969 12th March 1969 28th March 1996 Sewage Discharges - Final/Treated Effluent - Not Water Company Freshwater Stream/River  Trib River Trib Pre National Rivers Authority Legislation where issue date < 01/09/1989 Located by supplier to within 10m	A16SW (NE)	88	2	490840 381980
	Discharge Consent	s				
3	Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water: Status: Positional Accuracy:	Coats Hall Estates Ltd Domestic Property (Single) 19-25 Ingham Road, Stow, Lincoln, Ln1 2dg Environment Agency, Anglian Region Not Supplied Pr3lfu1373 1 30th July 1984 30th July 1984 1st October 1996 Unknown Onto Land Land Pre National Rivers Authority Legislation where issue date < 01/09/1989 Located by supplier to within 100m	A14NW (NW)	91	2	489500 382300
	Nearest Surface Wa	ter Feature	4.404.044			400=40
			A12NW (E)	0	=	490742 381432
4	Property Type: Location: Authority: Pollutant: Note: Incident Date: Incident Reference: Catchment Area: Receiving Water: Cause of Incident: Incident Severity:	to Controlled Waters  Water Company Sewage: Surface Water Outfall Lincoln District Environment Agency, Anglian Region Oils - Other Oil Tributary River Till 17th March 1998 1007 Not Given Freshwater Stream/River Unknown Category 3 - Minor Incident Located by supplier to within 100m	A7NE (S)	2	2	490500 380700
	Pollution Incidents	to Controlled Waters				
5	Property Type: Location: Authority: Pollutant: Note: Incident Date: Incident Reference: Catchment Area: Receiving Water: Cause of Incident: Incident Severity: Positional Accuracy:	Not Given Lincoln District Environment Agency, Anglian Region Miscellaneous - Unknown River Till 9th August 1992 1458 Not Given Freshwater Stream/River Unknown Category 3 - Minor Incident Located by supplier to within 100m	A7SE (S)	58	2	490500 380600
	Pollution Incidents	to Controlled Waters				
6	Property Type: Location: Authority: Pollutant: Note: Incident Date: Incident Area: Receiving Water: Cause of Incident: Incident Severity: Positional Accuracy:	Other General Premises Lincoln District Environment Agency, Anglian Region Oils - Diesel (Including Agricultural) Till 12th June 1996 2487 Not Given Freshwater Stream/River Vandalism Category 3 - Minor Incident Located by supplier to within 100m	A7SE (S)	125	2	490400 380600



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	River Quality					
	Name:	Till	A12NW	0	2	490680
	GQA Grade: Reach:	River Quality D Kexby BeckCricket Till	(E)			381432
	Estimated Distance					
	(km): Flow Rate:	Flourises than 0.62 sumses				
	Flow Rate. Flow Type:	Flow less than 0.62 cumecs River				
	Year:	2000				
	Water Abstractions					
	Operator:	N K Taylor	A13NE	308	2	489055
	Licence Number: Permit Version:	4/30/06/*S/0016 100	(NW)			382095
	Location:	Dyke Draining To R.Till Stow				
	Authority:	Environment Agency, Anglian Region				
	Abstraction: Abstraction Type:	General Agriculture: Spray Irrigation - Storage Water may be abstracted from a single point				
	Source:	Surface				
	Daily Rate (m3):	Not Supplied				
	Yearly Rate (m3): Details:	Not Supplied Status: Perpetuity				
	Authorised Start:	01 December				
	Authorised End: Permit Start Date:	31 March 1st April 2004				
	Permit End Date:	Not Supplied				
	Positional Accuracy:	Located by supplier to within 10m				
	Groundwater Vulne	rability Map				
	Combined	Secondary Superficial Aquifer - Medium Vulnerability	A10NE	0	3	489861
	Classification: Combined	Medium	(W)			381374
	Vulnerability:	Wedium				
	Combined Aquifer:	Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	Low Well Connected Fractures				
	Dilution:	<300 mm/year				
	Baseflow Index: Superficial	40-70% >90%				
	Patchiness:	>9076				
	Superficial	<3m				
	Thickness: Superficial	No Data				
	Recharge:	The Bala				
	Groundwater Vulne	rability Map				
	Combined	Secondary Bedrock Aquifer - High Vulnerability	A12SE	0	3	490927
	Classification:	Himb	(SE)			381207
	Combined Vulnerability:	High				
	Combined Aquifer:	Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	Low Well Connected Fractures				
	Dilution:	<300 mm/year				
	Baseflow Index:	40-70%				
	Superficial Patchiness:	<90%				
	Superficial	<3m				
	Thickness:	No Data				
	Superficial Recharge:	No Data				
	Groundwater Vulne	rability Map				
	Combined	Secondary Bedrock Aquifer - High Vulnerability	A12NW	0	3	490650
	Classification:		(E)			381500
	Combined Vulnerability:	High				
	Combined Aquifer:	Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed:	Low				
	Bedrock Flow: Dilution:	Well Connected Fractures <300 mm/year				
	Baseflow Index:	40-70%				
	Superficial	<90%				
	Patchiness: Superficial	<3m				
	Thickness:					
	Superficial Pochargo:	No Data				
	Recharge:					



Page 5 of 28

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	A12SE (E)	0	3	491000 381313
	Combined Vulnerability:	Medium	(-)			
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness: Superficial	<3m				
	Thickness: Superficial	Low				
	Recharge:	and the Man				
	Groundwater Vulne Combined	erability Map  Secondary Bedrock Aquifer - High Vulnerability	A8NW	0	3	490845
	Classification: Combined	High	(SE)			381000
	Vulnerability: Combined Aquifer:	Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	Low Well Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial Patchiness:	<90%				
	Superficial Thickness:	<3m				
	Superficial Recharge:	High				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	A7NE (S)	0	3	490456 381000
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness: Superficial	<3m				
	Thickness: Superficial	High				
	Recharge:					
	Groundwater Vulne Combined	erability Map Secondary Superficial Aquifer - Medium Vulnerability	A8NE	0	3	491000
	Classification: Combined	Secondary Superricial Aquirer - Medium vulnerability  Medium	(SE)		3	381000
	Vulnerability: Combined Aquifer:	Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	Low Poorly Connected Fractures				
	Dilution: Baseflow Index:	<ul><li>40-70%</li></ul>				
	Superficial	40-70% <90%				
	Patchiness: Superficial	3-10m				
	Thickness: Superficial Recharge:	Low				



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	(SE)	0	3	491840 380474
	Combined Vulnerability:	Medium				300474
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow:	Poorly Connected Fractures				
	Dilution:	<300 mm/year				
	Baseflow Index:	40-70%				
	Superficial Patchiness:	<90%				
	Superficial	3-10m				
	Thickness:					
	Superficial Recharge:	Low				
	Groundwater Vulne	•			_	
	Combined	Secondary Bedrock Aquifer - High Vulnerability	A14SE	0	3	489734
	Classification: Combined	High	(NW)			382000
	Vulnerability:	riigii				
	Combined Aquifer:	Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed:	Low				
	Bedrock Flow: Dilution:	Well Connected Fractures <300 mm/year				
	Baseflow Index:	40-70%				
	Superficial	<90%				
	Patchiness: Superficial	<3m				
	Thickness:	Com				
	Superficial	No Data				
	Recharge:					
	Groundwater Vulne	erability Map				
	Combined	Secondary Superficial Aquifer - High Vulnerability	A16SW	0	3	490586
	Classification:	I II a L	(NE)			382000
	Combined Vulnerability:	High				
	Combined Aquifer:	Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed:	High				
	Bedrock Flow: Dilution:	Well Connected Fractures				
	Baseflow Index:	<300 mm/year 40-70%				
	Superficial	<90%				
	Patchiness:					
	Superficial Thickness:	<3m				
	Superficial	No Data				
	Recharge:					
	Groundwater Vulne	erability Man				
	Combined	Secondary Superficial Aquifer - Medium Vulnerability	(NE)	0	3	491283
	Classification:	2000a, Superiolar Aquitor Modulity validrability	(142)		J	382000
	Combined	Medium				
	Vulnerability: Combined Aquifer:	Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed:	Low				
	Bedrock Flow:	Poorly Connected Fractures				
	Dilution:	<300 mm/year 40-70%				
	Racoflow Indov					
	Baseflow Index: Superficial	<90%				
	Baseflow Index: Superficial Patchiness:	<90%				
	Superficial Patchiness: Superficial	<3m				
	Superficial Patchiness:					



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	A16NE (NE)	0	3	491000 382193
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow:	Poorly Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial Patchiness:	<90%				
	Superficial Thickness:	<3m				
	Superficial	Low				
	Recharge:					
	Groundwater Vulne Combined	erability Map Secondary Bedrock Aquifer - High Vulnerability	A8NW	0	3	490714
	Classification:	, , ,	(SE)			381000
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, No Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Well Connected Fractures <300 mm/year				
	Baseflow Index:	40-70%				
	Superficial Patchiness:	<90%				
	Superficial Thickness:	<3m				
	Superficial Recharge:	High				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	A7NE (S)	0	3	490335 381000
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, No Superficial Aquifer Low				
	Bedrock Flow:	Well Connected Fractures				
	Baseflow Index:	<300 mm/year 40-70%				
	Superficial Patchiness:	<90%				
	Superficial Thickness:	<3m				
	Superficial Recharge:	High				
	Groundwater Vulne	erability Map				
	Combined	Secondary Bedrock Aquifer - High Vulnerability	(NW)	0	3	489000
	Classification: Combined	High				382876
	Vulnerability: Combined Aquifer:	Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	Low Well Connected Fractures				
	Dilution: Baseflow Index:	4300 mm/year 40-70%				
	Superficial	40-70% <90%				
	Patchiness: Superficial	<3m				
	Thickness: Superficial	No Data				
	Recharge:	· · · · · · ·				



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	(N)	0	3	490000 382843
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness: Superficial	<3m				
	Thickness: Superficial	No Data				
	Recharge:					
	Groundwater Vulne Combined	erability Map Secondary Superficial Aquifer - High Vulnerability	(NW)	0	3	489000
	Classification:		(INVV)	0	3	383000
	Vulnerability: Combined Aquifer:	High  Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	High Well Connected Fractures				
	Dilution:	<300 mm/year				
	Baseflow Index: Superficial	>70% <90%				
	Patchiness: Superficial Thickness:	<3m				
	Superficial Recharge:	No Data				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	(N)	0	3	489856 383000
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness: Superficial	<3m				
	Thickness: Superficial	No Data				
	Recharge:  Groundwater Vulne	arahility Man				
	Combined	Secondary Bedrock Aquifer - High Vulnerability	A12NW	0	3	490799
	Classification: Combined	High	(E)			381379
	Vulnerability: Combined Aquifer:	Productive Bedrock Aquifer, No Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	Low Well Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial Patchiness:	<90%				
	Superficial Thickness:	<3m				
	Superficial Recharge:	No Data				



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	A11NE (NE)	0	3	490335 381533
	Combined Vulnerability:	High	(INE)			301333
	Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index: Superficial Patchiness:	Productive Bedrock Aquifer, No Superficial Aquifer Low Well Connected Fractures <300 mm/year 40-70% <90%				
	Superficial Thickness: Superficial Recharge:	<3m No Data				
	Groundwater Vulne	erability Man				
	Combined Classification: Combined	Secondary Bedrock Aquifer - Low Vulnerability  Low	A12NE (E)	0	3	491000 381533
	Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index: Superficial	Productive Bedrock Aquifer, No Superficial Aquifer Low Poorly Connected Fractures <300 mm/year 40-70% <90%				
	Patchiness: Superficial Thickness:	<3m				
	Superficial Recharge:	Low				
	Groundwater Vulne	erability Map				
	Combined Classification: Combined Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index: Superficial Patchiness: Superficial Thickness: Superficial Recharge:  Groundwater Vulne	Secondary Bedrock Aquifer - High Vulnerability  High  Productive Bedrock Aquifer, No Superficial Aquifer High Well Connected Fractures <300 mm/year 40-70% <90%  <3m  No Data	A15SE (N)	0	3	490335 382000
	Combined	Secondary Bedrock Aquifer - High Vulnerability	(NW)	0	3	489000
	Classification: Combined Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index: Superficial Patchiness: Superficial Thickness: Superficial Recharge:	High  Productive Bedrock Aquifer, No Superficial Aquifer High Well Connected Fractures <300 mm/year >70% <90%  <3m  No Data	()	J		383056



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne					
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	(NW)	0	3	488562 383000
	Combined Vulnerability:	High				00000
	Combined Aquifer: Pollutant Speed: Bedrock Flow:	Productive Bedrock Aquifer, No Superficial Aquifer High Well Connected Fractures				
	Dilution: Baseflow Index: Superficial	<300 mm/year >70% <90%				
	Patchiness: Superficial Thickness:	<3m				
	Superficial Recharge:	No Data				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	(NW)	0	3	489210 383113
	Combined Vulnerability: Combined Aquifer:	High  Productive Podrock Aguifer, No Superficial Aguifer.				
	Pollutant Speed: Bedrock Flow:	Productive Bedrock Aquifer, No Superficial Aquifer Low Well Connected Fractures				
	Dilution: Baseflow Index: Superficial	<300 mm/year 40-70% <90%				
	Patchiness: Superficial Thickness:	<3m				
	Superficial Recharge:	No Data				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	A13NE (NW)	0	3	489000 382161
	Combined Vulnerability: Combined Aquifer:	High Productive Bedrock Aquifer, No Superficial Aquifer				
	Pollutant Speed: Bedrock Flow: Dilution:	Low Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial Patchiness:	40-70% <90%				
	Superficial Thickness: Superficial	<3m No Data				
	Recharge:	NO Data				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	A15SW (NW)	0	3	490000 382000
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed: Bedrock Flow:	Productive Bedrock Aquifer, No Superficial Aquifer Low Well Connected Fractures				
	Dilution: Baseflow Index: Superficial	<300 mm/year 40-70% <90%				
	Patchiness: Superficial Thickness:	<3m				
	Superficial Recharge:	No Data				



ap D		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined	Secondary Bedrock Aquifer - High Vulnerability	A15SW	0	3	490157
	Classification:		(N)			382000
	Combined	High				
	Vulnerability: Combined Aquifer:	Productive Bedrock Aquifer, No Superficial Aquifer				
	Pollutant Speed:	High				
	Bedrock Flow:	Well Connected Fractures				
	Dilution:	<300 mm/year				
	Baseflow Index:	40-70%				
	Superficial Patchiness:	<90%				
	Superficial	<3m				
	Thickness:					
	Superficial Recharge:	No Data				
	Groundwater Vulne	erability Map				
	Combined	Secondary Bedrock Aquifer - Low Vulnerability	A11NW	0	3	490000
	Classification:	2000aa.y Doubok Aquilor Low Vulliorability	(W)		J	381533
	Combined	Low				
	Vulnerability:					
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, No Superficial Aquifer				
	Bedrock Flow:	Low Well Connected Fractures				
	Dilution:	<300 mm/year				
	Baseflow Index:	40-70%				
	Superficial	>90%				
	Patchiness: Superficial	<3m				
	Thickness:	NO.				
	Superficial	No Data				
	Recharge:					
	Groundwater Vulne					
	Combined	Secondary Bedrock Aquifer - High Vulnerability	A11NW	0	3	49016
	Classification: Combined	High	(W)			381548
	Vulnerability:	riigii				
	Combined Aquifer:	Productive Bedrock Aquifer, No Superficial Aquifer				
	Pollutant Speed:	Low				
	Bedrock Flow:	Well Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial	<90%				
	Patchiness:					
	Superficial	<3m				
	Thickness:	No Data				
	Superficial Recharge:	No Data				
	Groundwater Vulne	erability - Soluble Rock Risk				
	Bedrock Aquifer De	esignations				
	Aquifer Designation:	Secondary Aquifer - Undifferentiated	A11NE	0	3	490335
	Bedrock Aquifer De	esignations	(NE)			381533
		Secondary Aquifer - B	A11NW	0	3	49000
			(W)			381533
	Bedrock Aquifer De	_				
	Aquifer Designation:	Secondary Aquifer - B	A11NW (W)	0	3	490169 381548
	Superficial Aquifer	Designations	(**/			
	Aquifer Designation:	Secondary Aquifer - Undifferentiated	(NE)	0	3	490982 382404
	Superficial Aquifer	Designations				30240
		Secondary Aquifer - A	(N)	0	3	490000
	Superficial Aquifer	Designations				382843
		Secondary Aquifer - A	(SE)	0	3	491840
	Cuporficial Aif	Designations				380474
	Superficial Aquifer Aquifer Designation:	Designations Secondary Aquifer - A	A12NW	0	3	490650
			(E)			38150
	Superficial Aquifer	_		_	_	
	Adulter Designation:	Secondary Aquifer - A	A10NE	0	3	48986

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - Undifferentiated	A12SE (SE)	0	3	490927 381207
	Extreme Flooding from Rivers or Sea without Defences  Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A11SW (SW)	0	2	490185 381330
	Extreme Flooding from Rivers or Sea without Defences  Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied	A12SW (SE)	0	2	490567 381128
	Extreme Flooding from Rivers or Sea without Defences  Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied	A11NE (S)	0	2	490362 381401
	Extreme Flooding from Rivers or Sea without Defences  Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied	A12NW (E)	0	2	490649 381575
	Extreme Flooding from Rivers or Sea without Defences  Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A11NE (E)	0	2	490345 381534
	Extreme Flooding from Rivers or Sea without Defences  Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied	A11SE (S)	2	2	490311 381266
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied	A7SE (S)	14	2	490535 380636
	Extreme Flooding from Rivers or Sea without Defences  Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied	A7SE (S)	42	2	490392 380630
	Flooding from Rivers or Sea without Defences  Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A12SW (SE)	0	2	490665 381100
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A15NE (N)	0	2	490459 382158
	Flooding from Rivers or Sea without Defences  Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A15NW (N)	0	2	490203 382344
	Flooding from Rivers or Sea without Defences  Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A12SW (SE)	0	2	490565 381130
	Flooding from Rivers or Sea without Defences  Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A11NE (S)	0	2	490337 381514
	Flooding from Rivers or Sea without Defences  Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A7SE (S)	33	2	490397 380652
	Flooding from Rivers or Sea without Defences  Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A16SW (NE)	37	2	490667 381962
	Flooding from Rivers or Sea without Defences  Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A7SE (S)	39	2	490423 380638

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flooding from Rivers or Sea without Defences  Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A7NE (S)	250	2	490235 380706
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences Type: Flood Defences Reference: Not Supplied	A12NW (E)	0	2	490716 381390
	Flood Defences Type: Flood Defences Reference: Not Supplied	A12NW (E)	0	2	490685 381394
	Flood Defences Type: Flood Defences Reference: Not Supplied	A15NE (N)	19	2	490408 382381
7	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 1426.8  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A12NW (E)	0	4	490722 381433
8	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 467.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Till Catchment Name: Witham Primacy: 1	A12NW (E)	0	4	490722 381433
9	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 470.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Till Catchment Name: Witham Primacy: 1	A12NW (E)	0	4	490704 381401
10	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 473.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A11SE (S)	0	4	490306 381367
11	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 449.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A11NE (SW)	0	4	490257 381395
12	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 539.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Till Catchment Name: Witham Primacy: 1	A11SE (SE)	7	4	490542 381132

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 533.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Till Catchment Name: Witham Primacy: 1	A15NE (N)	8	4	490554 382136
14	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 789.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A16NE (NE)	10	4	490967 382226
15	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: 708.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Till Catchment Name: Witham Primacy: 1	A7SE (S)	13	4	490499 380654
16	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A7NE (S)	13	4	490233 380705
17	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 473.4  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A11NW (W)	15	4	489915 381587
18	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 325.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	A12NE (E)	17	4	491124 381645
19	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 501.0  Watercourse Level: On ground surface Permanent: True Watercourse Name: River Till Catchment Name: Witham Primacy: 1	A16SW (NE)	17	4	490649 381949
20	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 110.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A16SW (NE)	19	4	490881 381848
21	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 378.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A15NE (N)	47	4	490554 382136



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 166.1	A12NE (E)	79	4	491124 381645
	Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1				
	OS Water Network Lines				
23	Watercourse Form: Inland river Watercourse Length: 264.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A12NE (E)	153	4	491045 381635
	OS Water Network Lines				
24	Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A10NW (W)	161	4	489485 381676
	OS Water Network Lines				
25	Watercourse Form: Inland river Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A10NW (W)	183	4	489489 381675
	OS Water Network Lines				
26	Watercourse Form: Inland river Watercourse Length: 5.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A10NW (W)	187	4	489314 381691
	OS Water Network Lines				
27	Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A10NW (W)	191	4	489308 381690
	OS Water Network Lines				
28	Watercourse Form: Inland river Watercourse Length: 2.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A12NE (E)	199	4	491124 381647



#### **Waste**

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage				
	Name: West Lindsey District Council - Has no landfill data to supply		0	5	490335 381533
	Local Authority Landfill Coverage				
	Name: Lincolnshire County Council - Had landfill data but passed it to the relevant environment agency		0	6	490335 381533

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 16 of 28





Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid	<del></del>				
	Description:	Lias Group	A11NE (NE)	0	1	490335 381533
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration:	Chemistry British Geological Survey, National Geoscience Information Service Rural Soil <15 mg/kg	A10NE (W)	0	1	489861 381374
	Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	<1.8 mg/kg 20 - 40 mg/kg <100 mg/kg <15 mg/kg				
	BGS Estimated Soil	Chemistry				
	Source: Soil Sample Type: Arsenic Concentration: Cadmium	British Geological Survey, National Geoscience Information Service Rural Soil <15 mg/kg <1.8 mg/kg	A11NE (NE)	0	1	490335 381533
	Concentration: Chromium Concentration: Lead Concentration: Nickel	60 - 90 mg/kg <100 mg/kg 15 - 30 mg/kg				
	Concentration:					
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil <15 mg/kg	A12NE (E)	0	1	491000 381533
	Cadmium Concentration: Chromium Concentration:	<1.8 mg/kg 90 - 120 mg/kg				
	Lead Concentration: Nickel Concentration:	<100 mg/kg 15 - 30 mg/kg				
	BGS Estimated Soil Source: Soil Sample Type: Arsenic	Chemistry British Geological Survey, National Geoscience Information Service Rural Soil <15 mg/kg	A15SE (N)	0	1	490335 382000
	Concentration: Cadmium Concentration:	<1.8 mg/kg				
	Chromium Concentration: Lead Concentration:					
	Nickel Concentration:	15 - 30 mg/kg				
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration:	Chemistry British Geological Survey, National Geoscience Information Service Rural Soil <15 mg/kg	A7SE (S)	119	1	490312 380669
	Cadmium Concentration: Chromium Concentration:	<1.8 mg/kg 20 - 40 mg/kg				
	Lead Concentration: Nickel Concentration:	<100 mg/kg <15 mg/kg				
	BGS Estimated Soil	Chemistry				
	Source: Soil Sample Type: Arsenic Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil <15 mg/kg	A16NW (NE)	216	1	490741 382282
	Cadmium Concentration:	<1.8 mg/kg				
	Chromium Concentration: Lead Concentration: Nickel Concentration:	90 - 120 mg/kg <100 mg/kg 15 - 30 mg/kg				





/lap ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry				
	No data available  BGS Urban Soil Chemistry Averages				
	No data available				
	Coal Mining Affected Areas				
	In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain				
	No Hazard  Potential for Collapsible Ground Stability Hazards				
	Hazard Potential: No Hazard	A12NW	0	1	490650
	Source: British Geological Survey, National Geoscience Information Service	(E)			381500
	Potential for Collapsible Ground Stability Hazards	0.445004	0	4	400000
	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (W)	0	1	490000 381533
	Potential for Collapsible Ground Stability Hazards				
	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A12NW (E)	0	1	490799 381379
	Potential for Collapsible Ground Stability Hazards	(L)			301379
ļ	Hazard Potential: Very Low	A11NE	0	1	490335
	Source: British Geological Survey, National Geoscience Information Service	(NE)			381533
	Potential for Compressible Ground Stability Hazards	0.4.4.0.04	0	4	400000
	Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NW (W)	0	1	490000 381533
	Potential for Compressible Ground Stability Hazards				
	Hazard Potential: No Hazard Source: No Hazard British Geological Survey, National Geoscience Information Service	A12NW	0	1	490799
	Potential for Compressible Ground Stability Hazards	(E)			381379
	Hazard Potential: No Hazard	A11NE	0	1	490335
	Source: British Geological Survey, National Geoscience Information Service	(NE)			381533
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate	A12NW	0	1	490650
	Source: British Geological Survey, National Geoscience Information Service	(E)	0	'	381500
	Potential for Ground Dissolution Stability Hazards				
	Hazard Potential: No Hazard Source: No Hazard British Geological Survey, National Geoscience Information Service	A11NW (W)	0	1	490000 381533
	Potential for Ground Dissolution Stability Hazards	(**)			001000
	Hazard Potential: No Hazard	A11NE	0	1	490335
	Source: British Geological Survey, National Geoscience Information Service	(NE)			381533
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low	A11NW	0	1	490000
	Source: British Geological Survey, National Geoscience Information Service	(W)		'	381533
	Potential for Landslide Ground Stability Hazards				
	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NE (NE)	0	1	490335 381533
	Potential for Running Sand Ground Stability Hazards	(* -= /			
	Hazard Potential: No Hazard	A11NW	0	1	490000
	Source: British Geological Survey, National Geoscience Information Service	(W)			381533
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard	A11NE	0	1	490335
	Source: British Geological Survey, National Geoscience Information Service	(NE)	, and the second	•	381533
	Potential for Running Sand Ground Stability Hazards				
ļ	Hazard Potential: No Hazard Source: No Hazard British Geological Survey, National Geoscience Information Service	A12NW (E)	0	1	490799 381379
	Potential for Running Sand Ground Stability Hazards	(-/			12.0.0
ļ	Hazard Potential: Very Low	A10NE	0	1	489861
	Source: British Geological Survey, National Geoscience Information Service	(W)			381374
ļ	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low	A12SE	0	1	490927
	Source: British Geological Survey, National Geoscience Information Service	(SE)		<u> </u>	381207
	Provided to Provide Control of Co				
	Potential for Running Sand Ground Stability Hazards				

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 18 of 28



### **Geological**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Runnii	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	A7SE (S)	119	1	490312 380669
	Potential for Runnii	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	A16NW (NE)	216	1	490741 382282
	Potential for Shrink	ring or Swelling Clay Ground Stability Hazards				
	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	A11NW (W)	0	1	490000 381533
	Potential for Shrink	ring or Swelling Clay Ground Stability Hazards				
	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	A11NE (NE)	0	1	490335 381533
	Potential for Shrink	ring or Swelling Clay Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	A14SW (W)	44	1	489341 381820
	Radon Potential - R	adon Affected Areas				
	Affected Area: Source:	The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level).  British Geological Survey, National Geoscience Information Service	A11NE (NE)	0	1	490335 381533
	Radon Potential - R	adon 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).	A11NW (W)	0	1	490000 381533
	Source:	British Geological Survey, National Geoscience Information Service				
		adon Protection Measures				
	Protection Measure: Source:	No radon protective measures are necessary in the construction of new dwellings or extensions  British Geological Survey, National Geoscience Information Service	A11NE (NE)	0	1	490335 381533
		adon Protection Measures				
		No radon protective measures are necessary in the construction of new	A11NW	0	1	490000
	Source:	dwellings or extensions British Geological Survey, National Geoscience Information Service	(W)		-	381533

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 19 of 28



#### **Industrial Land Use**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Points of Interest - Ma	anufacturing and Production				
29	Location: Category: Find Class Code: Line Code:	P & C Wright Thorpe In The Fallows, Lincoln, LN1 2DR Farming Livestock Farming Positioned to address or location	A8SE (SE)	172	7	491207 380593

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 20 of 28



#### **Sensitive Land Use**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Nitrate Vulnerab	le Zones				
30	Name: Description: Source:	Lower Witham Nvz Surface Water Environment Agency, Head Office	A11NE (NE)	0	3	490335 381533

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 21 of 28



Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Environment Agency - Head Office	June 2020	Annually
West Lindsey District Council - Environmental Health Department	September 2017	Annual Rolling Update
Discharge Consents		
Environment Agency - Anglian Region	July 2021	Quarterly
Environment Agency - Midlands Region	July 2021	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	Canadi y 2000	
Environment Agency - Anglian Region	July 2021	Quarterly
	3diy 2021	Quarterly
Local Authority Integrated Pollution Prevention And Control	November 2014	Variable
West Lindsey District Council - Environmental Health Department	November 2014	Variable
Local Authority Pollution Prevention and Controls		
West Lindsey District Council - Environmental Health Department	November 2014	Annual Rolling Updat
Local Authority Pollution Prevention and Control Enforcements		
West Lindsey District Council - Environmental Health Department	November 2014	Variable
Nearest Surface Water Feature		
Ordnance Survey	August 2021	
Pollution Incidents to Controlled Waters		
Environment Agency - Midlands Region	December 1999	
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	Annually
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	April 2012	Annually
River Quality Chemistry Sampling Points		
Environment Agency - Head Office	April 2012	Annually
Substantiated Pollution Incident Register		
Environment Agency - Anglian Region - Northern Area	July 2021	Quarterly
Water Abstractions		
Environment Agency - Anglian Region	July 2021	Quarterly
Environment Agency - Midlands Region	July 2021	Quarterly
Water Industry Act Referrals		
Environment Agency - Anglian Region	October 2017	Quarterly
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		<u> </u>
Environment Agency - Head Office	May 2021	Bi-Annually

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 22 of 28



Agency & Hydrological	Version	Update Cycle
Extreme Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	September 2021	Quarterly
Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	September 2021	Quarterly
Areas Benefiting from Flood Defences		
Environment Agency - Head Office	September 2021	Quarterly
Flood Water Storage Areas		
Environment Agency - Head Office	September 2021	Quarterly
Flood Defences		
Environment Agency - Head Office	September 2021	Quarterly
OS Water Network Lines		
Ordnance Survey	July 2021	Quarterly
Surface Water 1 in 30 year Flood Extent		
Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent		
Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent		
Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability	,	
Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility		
British Geological Survey - National Geoscience Information Service	May 2013	Annually
- Tanon Coolegical Carroy Hallonal Coolegic Hilliam Collins		7
Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	November 2002	Not Applicable
Historical Landfill Sites		
Environment Agency - Head Office	May 2021	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - Anglian Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - Anglian Region - Northern Area	July 2021	Quarterly
Licensed Waste Management Facilities (Locations)	, ,	, , ,
Environment Agency - Anglian Region - Northern Area	July 2021	Quarterly
Local Authority Landfill Coverage	33., 232.	Quartony
Lincolnshire County Council	February 2003	Not Applicable
West Lindsey District Council - Environmental Health Department	February 2003	Not Applicable
Local Authority Recorded Landfill Sites	. 52.541, 2000	
Lincolnshire County Council	October 2018	
West Lindsey District Council - Environmental Health Department	October 2018	
Potentially Infilled Land (Non-Water)	23.0301 2010	
Landmark Information Group Limited	December 1999	Not Applicable
	December 1999	140t Applicable
Potentially Infilled Land (Water)	Docombos 1000	
Landmark Information Group Limited	December 1999	
Registered Landfill Sites		.,
Environment Agency - Anglian Region - Northern Area	March 2006	Not Applicable
Registered Waste Transfer Sites		
	A == :1 0040	
Environment Agency - Anglian Region - Northern Area	April 2018	
Environment Agency - Anglian Region - Northern Area  Registered Waste Treatment or Disposal Sites  Environment Agency - Anglian Region - Northern Area	Арпі 2018	

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service



Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)	4 110040	5: 4 "
Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS)	Water 2017	7 till daily
Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements		
Lincolnshire County Council - Highways and Planning Department	August 2010	Variable
West Lindsey District Council	February 2016	Variable
Planning Hazardous Substance Consents		
Lincolnshire County Council - Highways and Planning Department	August 2007	Variable
West Lindsey District Council	February 2016	Variable
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology		
British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	Annually
BGS Recorded Mineral Sites	Beddinsel 2010	7 timacily
British Geological Survey - National Geoscience Information Service	May 2021	Bi-Annually
CBSCB Compensation District	•	,
Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	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	N. 2045	N A II I.
British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	Annually
Potential for Compressible Ground Stability Hazards	April 2020	Ailidally
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards	,	,
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas	ll. 0044	A
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

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 24 of 28



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

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 25 of 28



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

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 26 of 28



### **Data Suppliers**

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	Map dicta
Environment Agency	Environment Agency
Scottish Environment Protection Agency	SEPA
The Coal Authority	The Coal Authority
British Geological Survey	British Geological Survey
Centre for Ecology and Hydrology	Centre for Ecology & Hydrology
Natural Resources Wales	Cyfoeth Noturiol Cyrreu Matural Resources Walke
Scottish Natural Heritage	SCOTTISH NATURAL HERITAGE 迎念河
Natural England	BNG AND
Public Health England	Public Health England
Ove Arup	ARUP
Stantec UK Ltd	Stantec

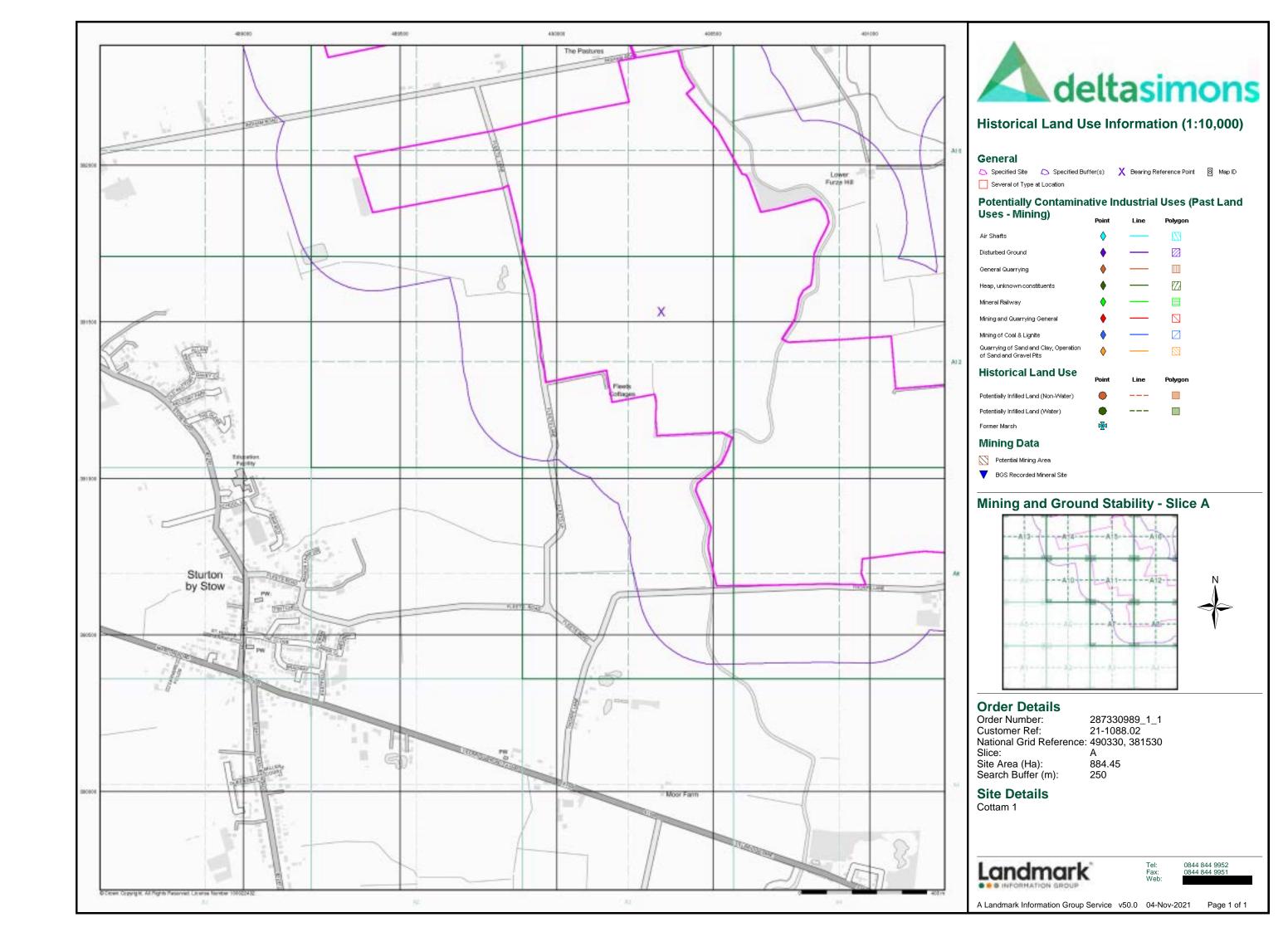


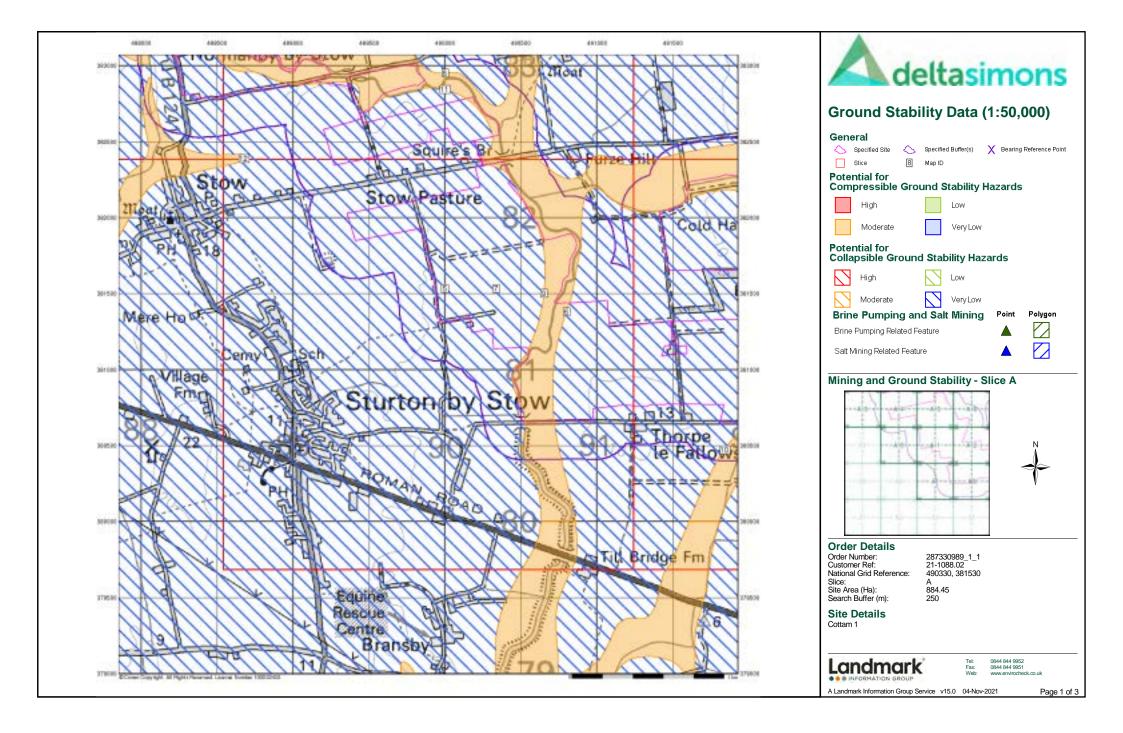
#### **Useful Contacts**

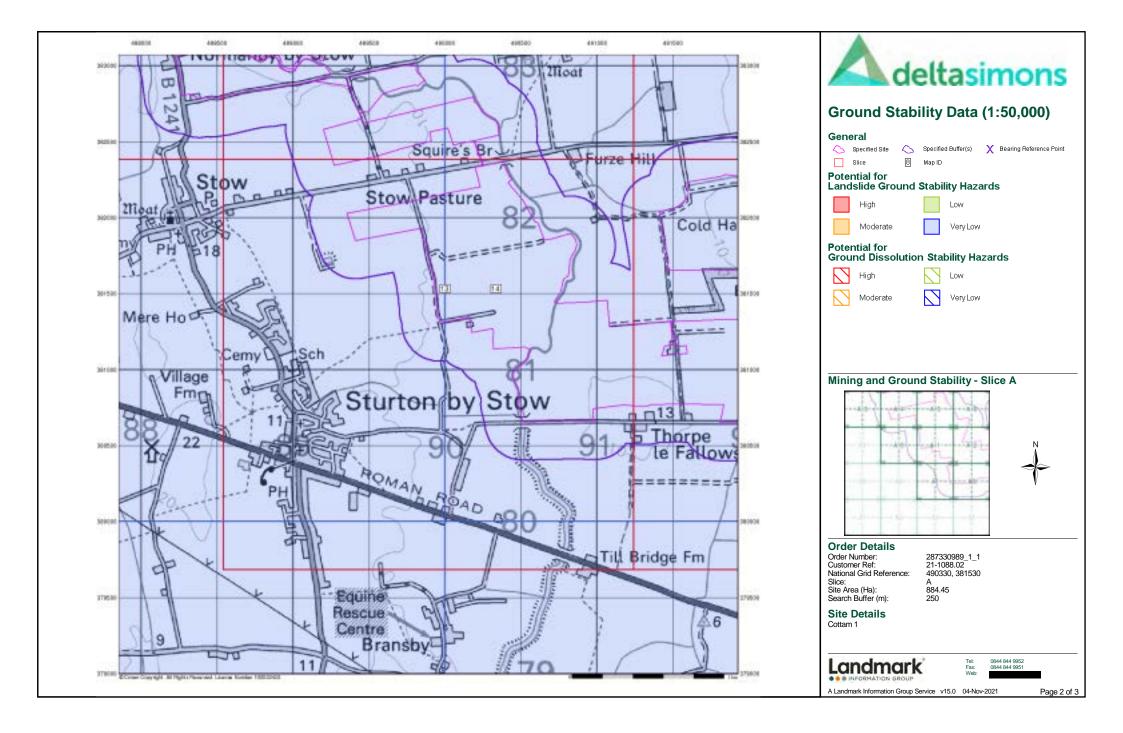
Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service  British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website:
2	Environment Agency - National 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	West Lindsey District Council - Environmental Health Department The Guildhall, Caskgate Street, Gainsborough, Lincolnshire, DN21 2DH	Telephone: 01427 676676 Fax: 01427 810623 Website: www.west-lindsey.gov.uk
6	Lincolnshire County Council 4th Floor, City Hall, Lincoln, Lincolnshire, LN1 1DN	Telephone: 01522 552222 Fax: 01522 552288 Email: PublicRelations@lincolnshire.gov.uk Website: www.lincolnshire.gov.uk
7	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website:
-	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:
-	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:

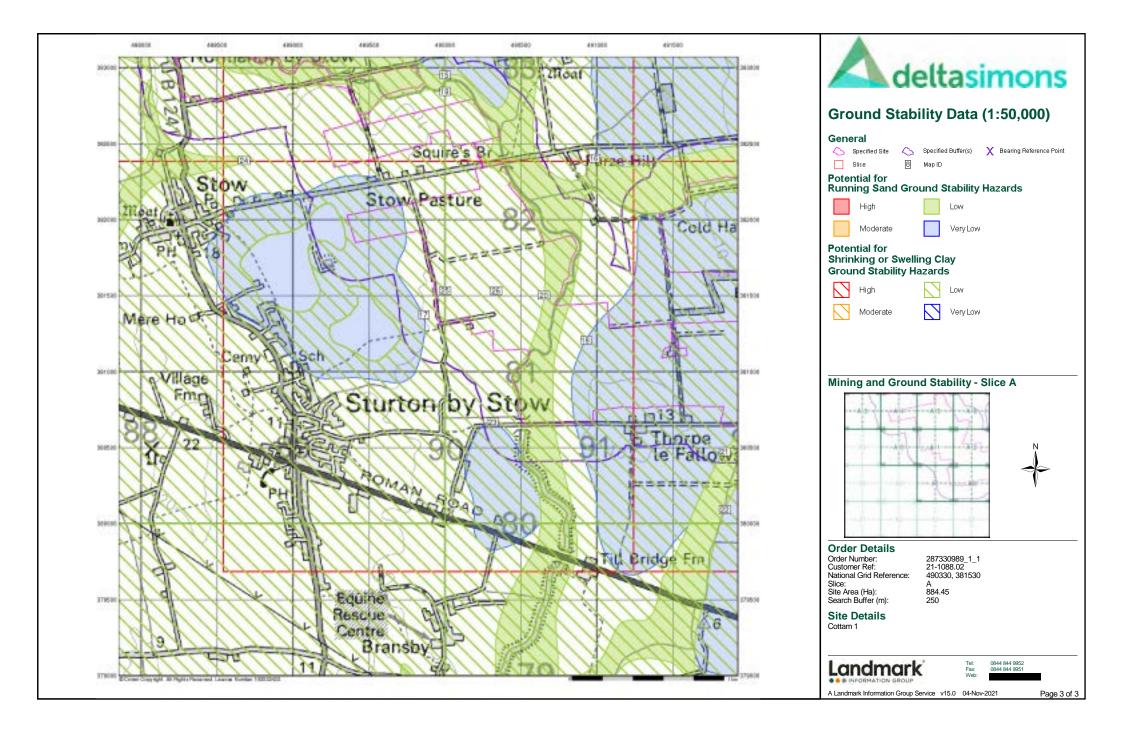
Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 28 of 28











#### **Envirocheck® Report:**

# Mining and Ground Stability Datasheet

#### **Order Details:**

**Order Number:** 

287330989\_1\_1

**Customer Reference:** 

21-1088.02

**National Grid Reference:** 

490330, 381530

Slice:

Α

Site Area (Ha):

884.45

Search Buffer (m):

250

**Site Details:** 

Cottam 1

#### **Client Details:**

Mr A Howells
Delta Simons
3 Henley Office Park
Doddington Road
Lincoln
LN6 3QR







Report Secti	on and Details	Page Number
Summary		-

The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected.

For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).

#### **Mining and Natural Cavities Data**

-

The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities.

Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.

#### Historical Land Use Information (1:2,500)

1

The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative.

For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.

#### **Historical Land Use Information (1:10,000)**

-

The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses.

For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.

#### **Ground Stability Data (1:50,000)**

2

The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.

#### Historical Map List 4

The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.

Data Currency	6
Data Suppliers	7
Useful Contacts	8

#### Copyright Notice

© Landmark Information Group Limited 2021. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, and the Environment Agency/Natural Resources Wales, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer. A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report.

© Copyright Stantec UK Limited. All rights reserved.

The brine subsidence data relating to the Driotwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

Report Version v53.0





Data Type	Page Number	On Site	0 to 250m
Mining and Natural Cavities Data			
BGS Recorded Mineral Sites			
Coal Mining Affected Areas			n/a
Man Made Mining Cavities			
Mining Instability			n/a
Natural Cavities			
Non Coal Mining Areas of Great Britain			
Potential Mining Areas			
Historical Land Use Information (1:2,500)			
Extractive Industries or Potential Excavations from 1855-1909 (100m)			
Extractive Industries or Potential Excavations from 1893-1915 (100m)			
Extractive Industries or Potential Excavations from 1906-1937 (100m)			
Extractive Industries or Potential Excavations from 1924-1949 (100m)			
Extractive Industries or Potential Excavations from 1950-1980 (100m)	pg 1		4
Subterranean Features (100m)			
Historical Land Use Information (1:10,000)			
Air Shafts			
Disturbed Ground			
General Quarrying			
Heap, unknown constituents			
Mineral Railway			
Mining & quarrying general			
Mining of coal & lignite			
Quarrying of sand & clay, operation of sand & gravel pits			
Former Marshes			
Potentially Infilled Land (Non-Water)			
Potentially Infilled Land (Water)			
Ground Stability Data (1:50,000)			
CBSCB Compensation District			n/a
Brine Pumping Related Features			
Brine Subsidence Solution Area			
Potential for Collapsible Ground Stability Hazards	pg 2	Yes	Yes
Potential for Compressible Ground Stability Hazards	pg 2	Yes	Yes
Potential for Ground Dissolution Stability Hazards	pg 2	Yes	
Potential for Landslide Ground Stability Hazards	pg 2	Yes	
Potential for Running Sand Ground Stability Hazards	pg 3	Yes	Yes
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 3	Yes	Yes
Salt Mining Related Features			

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service





Report Version v53.0



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Extractive Industries or Potential Excavations from 1950-1980  Use: Pond First Map Published 1974  Date: Last Map Published N/A  Date:	A8NE (SE)	10	-	491103 380743
2	Extractive Industries or Potential Excavations from 1950-1980  Use: Pond First Map Published 1975  Date: Last Map Published N/A  Date:	A10NE (W)	64	-	489847 381648
3	Extractive Industries or Potential Excavations from 1950-1980  Use: Pond First Map Published 1973  Date: Last Map Published N/A  Date:	A11SE (S)	95	-	490298 381045
4	Extractive Industries or Potential Excavations from 1950-1980  Use: Ponds First Map Published 1975  Date: Last Map Published N/A Date:	A14NE (NW)	99	-	489820 382379

Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Order Number: 287330989\_1\_1



# **Ground Stability Data (1:50,000)**

Map ID	Details	(Compass Distance	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District				
	The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area				
	The site does not fall within the brine subsidence solution area.				
5	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low	A11NW	0	4	490000
Э	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	381533
6	Potential for Collapsible Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A12NW (E)	0	1	490799 381379
	Potential for Collapsible Ground Stability Hazards	(=)			00.070
7	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NE (NE)	0	1	490335 381533
8	Potential for Collapsible Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(N)	0	1	490000 382953
	Potential for Collapsible Ground Stability Hazards				
	Hazard Potential: No Hazard Source: No Hazard British Geological Survey, National Geoscience Information Service	(N)	0	1	490000 382843
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard	A12NW	0	1	490650
	Source: British Geological Survey, National Geoscience Information Service	(E)	0		381500
	Potential for Collapsible Ground Stability Hazards				
	Hazard Potential: No Hazard Source: No Hazard Survey, National Geoscience Information Service	(SE)	0	1	491840 380474
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard	(NW)	186	1	488677
	Source: British Geological Survey, National Geoscience Information Service				382387
9	Potential for Compressible Ground Stability Hazards  Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A12NW (E)	0	1	490650 381500
10	Potential for Compressible Ground Stability Hazards  Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	(SE)	0	1	491840 380474
11	Potential for Compressible Ground Stability Hazards  Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	(N)	0	1	490000 382843
12	Potential for Compressible Ground Stability Hazards  Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	(NW)	186	1	488677 382387
	Potential for Compressible Ground Stability Hazards				002001
	Hazard Potential: No Hazard Source: No Hazard British Geological Survey, National Geoscience Information Service	A11NW (W)	0	1	490000 381533
	Potential for Compressible Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A12NW (E)	0	1	490799 381379
	Potential for Compressible Ground Stability Hazards  Hazard Potential: No Hazard  Source: British Geological Survey, National Geoscience Information Service	A11NE (NE)	0	1	490335 381533
	Potential for Compressible Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(N)	0	1	490000 382953
	Potential for Ground Dissolution Stability Hazards  Hazard Potential: No Hazard Source: No Hazard British Geological Survey, National Geoscience Information Service	A11NW (W)	0	1	490000 381533
	Potential for Ground Dissolution Stability Hazards  Hazard Potential: No Hazard Source: No Hazard British Geological Survey, National Geoscience Information Service	A11NE (NE)	0	1	490335 381533
13	Potential for Landslide Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (W)	0	1	490000 381533



# **Ground Stability Data (1:50,000)**

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Landslide Ground Stability Hazards				
14	Hazard Potential: Very Low   Source: British Geological Survey, National Geoscience Information Service	A11NE (NE)	0	1	490335 381533
15	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(N)	0	1	490000 382953
16	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(NE)	0	1	490982 382404
17	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service		0	1	489861 381374
18	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A12SE (SE)	0	1	490927 381207
19	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	(N)	0	1	490000 382843
20	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A12NW (E)	0	1	490650 381500
21	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	(SE)	0	1	491840 380474
22	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(SE)	93	1	492016 380412
23	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A7SE (S)	119	1	490312 380669
24	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	(NW)	186	1	488677 382387
	Potential for Running Sand Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(NW)	0	1	489210 383113
	Potential for Running Sand Ground Stability Hazards  Hazard Potential: No Hazard Source: No Hazard British Geological Survey, National Geoscience Information Service	A11NW (W)	0	1	490000 381533
	Potential for Running Sand Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NE (NE)	0	1	490335 381533
	Potential for Running Sand Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A12NW (E)	0	1	490799 381379
	Potential for Running Sand Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A16NW (NE)	216	1	490741 382282
25	Potential for Shrinking or Swelling Clay Ground Stability Hazards  Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11NW (W)	0	1	490000 381533
26	Potential for Shrinking or Swelling Clay Ground Stability Hazards  Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11NE (NE)	0	1	490335 381533
	Potential for Shrinking or Swelling Clay Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A14SW (W)	44	1	489341 381820



## **Historical Map List**

### The following mapping has been analysed for Historical Land Use Information (1:2,500):

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	SK9081	1973
Ordnance Survey Plan	SK9081	1973
Ordnance Survey Plan	SK9081	1973
Ordnance Survey Plan	SK9081	1973
Ordnance Survey Plan	SK9081	1973
Ordnance Survey Plan	SK9081	1973
Ordnance Survey Plan	SK9181	1973
Ordnance Survey Plan	SK9181	1973
Ordnance Survey Plan	SK9181	1973
Ordnance Survey Plan	SK9080	1974
Ordnance Survey Plan	SK9080	1974
Ordnance Survey Plan	SK9082	1974
Ordnance Survey Plan	SK9082	1974
Ordnance Survey Plan	SK9180	1974
Ordnance Survey Plan	SK9182	1974
Ordnance Survey Plan	SK8881	1975
Ordnance Survey Plan	SK8882	1975
Ordnance Survey Plan	SK8981	1975
Ordnance Survey Plan	SK8981	1975
Ordnance Survey Plan	SK8981	1975
Ordnance Survey Plan	SK8981	1975
Ordnance Survey Plan	SK8981	1975
Ordnance Survey Plan	SK8981	1975
Ordnance Survey Plan	SK8982	1975
Ordnance Survey Plan	SK8982	1975
Ordnance Survey Plan	SK8982	1975
Ordnance Survey Plan	SK8980	1976



## **Historical Map List**

### The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Lincolnshire	051_SE	1890
Lincolnshire	060_NE	1890
Lincolnshire	051_SE	1907
Lincolnshire	060_NE	1907
Lincolnshire	051_SE	1947
Lincolnshire	060_NE	1947
Ordnance Survey Plan	SK87NE	1956
Ordnance Survey Plan	SK88SE	1956
Ordnance Survey Plan	SK97NW	1956
Ordnance Survey Plan	SK98SW	1956
1:10,000	Mapsheet	Published Date
Ordnance Survey Plan	SK97NW	1976
Ordnance Survey Plan	SK87NE	1979
Ordnance Survey Plan	SK98SW	1979
Ordnance Survey Plan	SK88SE	1981



### **Data Currency**

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites		
British Geological Survey - National Geoscience Information Service	May 2021	Bi-Annually
Coal Mining Affected Areas		
The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Man Made Mining Cavities		
Stantec UK Ltd	May 2021	Bi-Annually
Mining Instability		
Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities		
Stantec UK Ltd	May 2021	Bi-Annually
Non Coal Mining Areas of Great Britain		
British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	Version	Update Cycle
Subterranean Features		
Landmark Information Group Limited	February 2020	Bi-Annually
Ground Stability Data (1:50,000)	Version	Update Cycle
CBSCB Compensation District		
Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	As notified
Potential for Collapsible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	April 2020	Annually
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards	January 2019	Annually



## **Data Suppliers**

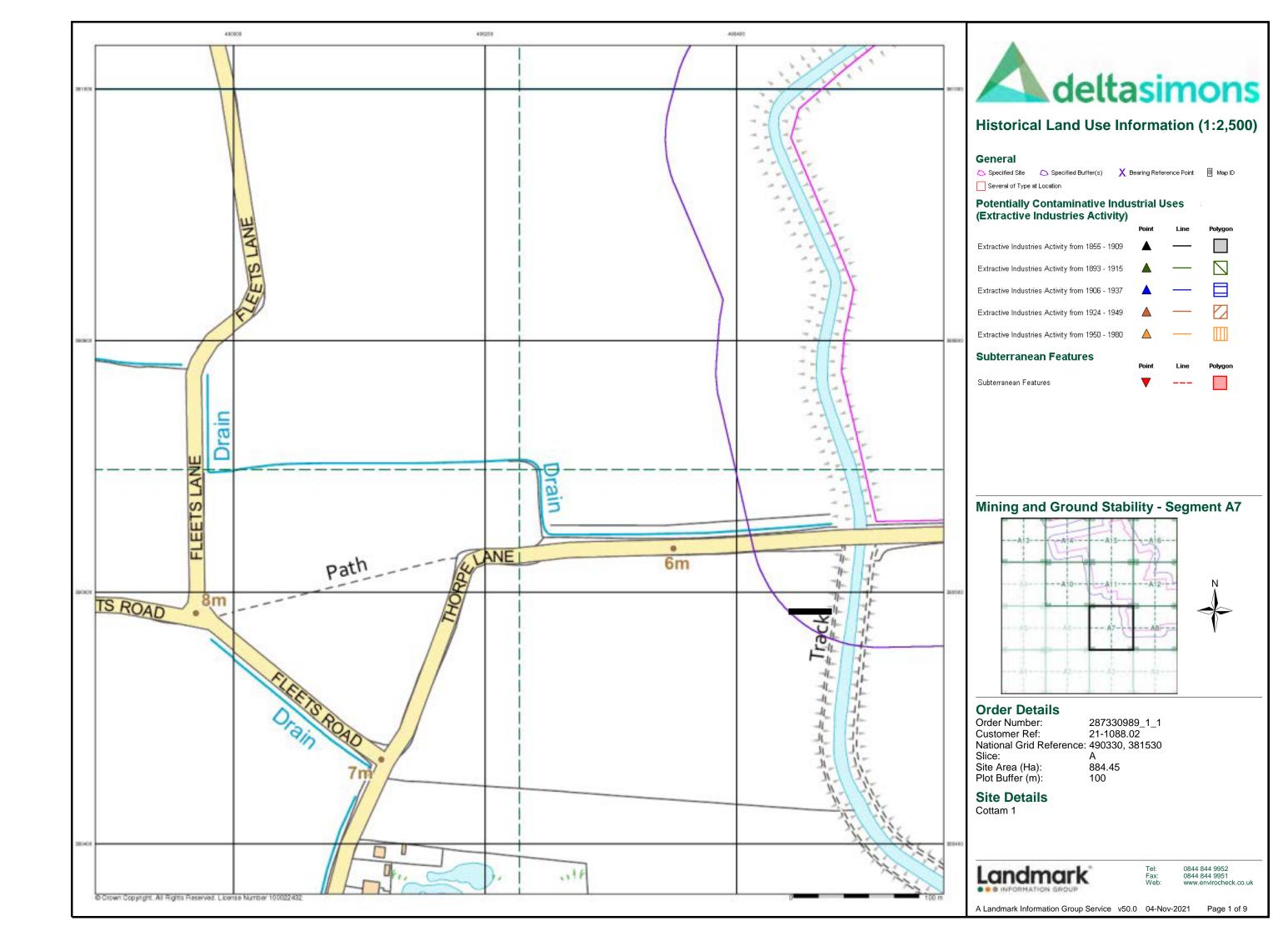
A selection of organisations who provide data within this report

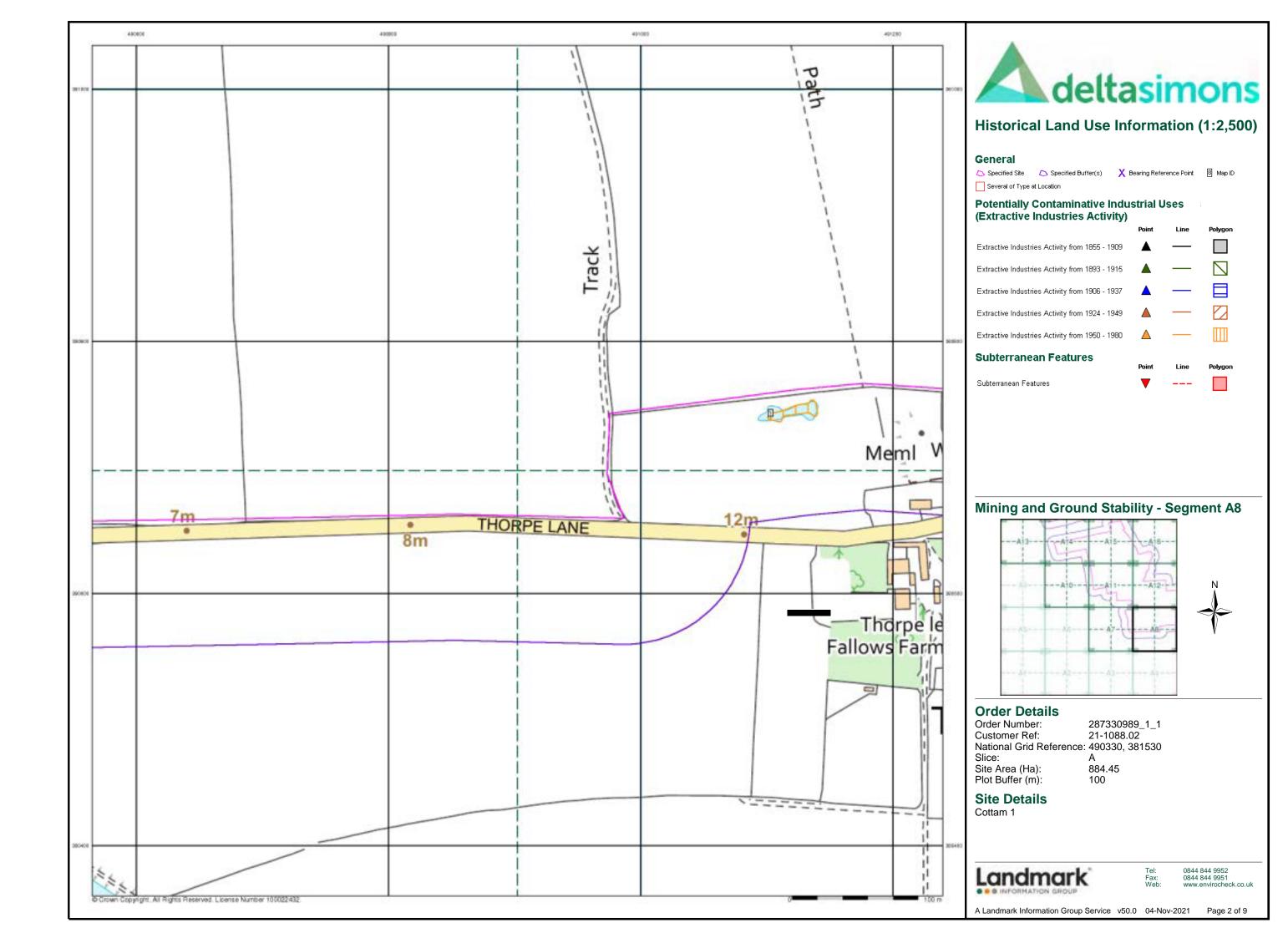
Data Supplier	Data Supplier Logo
Ordnance Survey	Map data
British Geological Survey	British Geological Survey HATURAL REVISIONERS RESEARCH COUNCIL
The Coal Authority	The Coal Authority
Ove Arup	ARUP
Stantec UK Ltd	Stantec
Wardell Armstrong	wardell your yearth our world
Johnson Poole & Bloomer	JPB

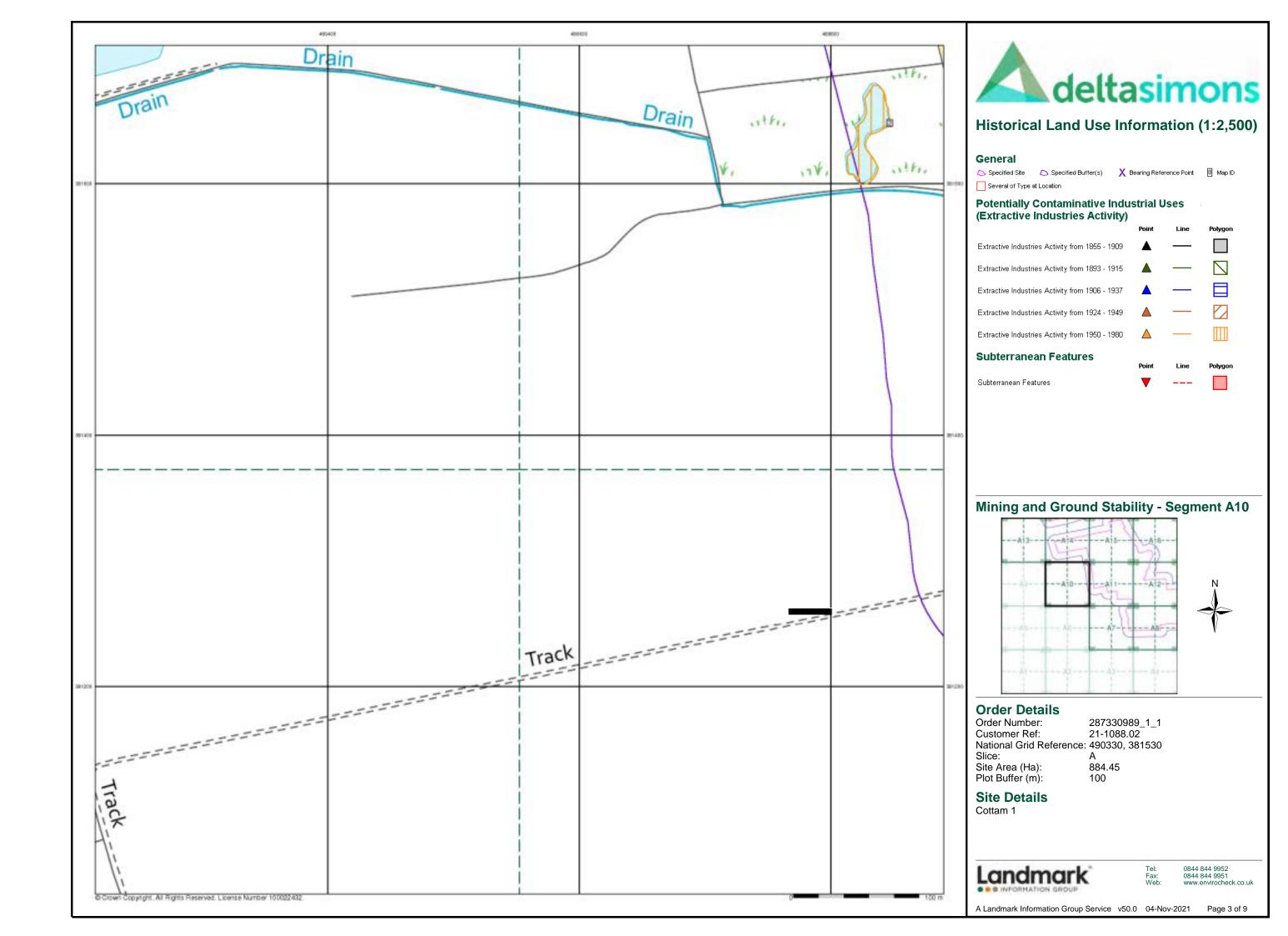


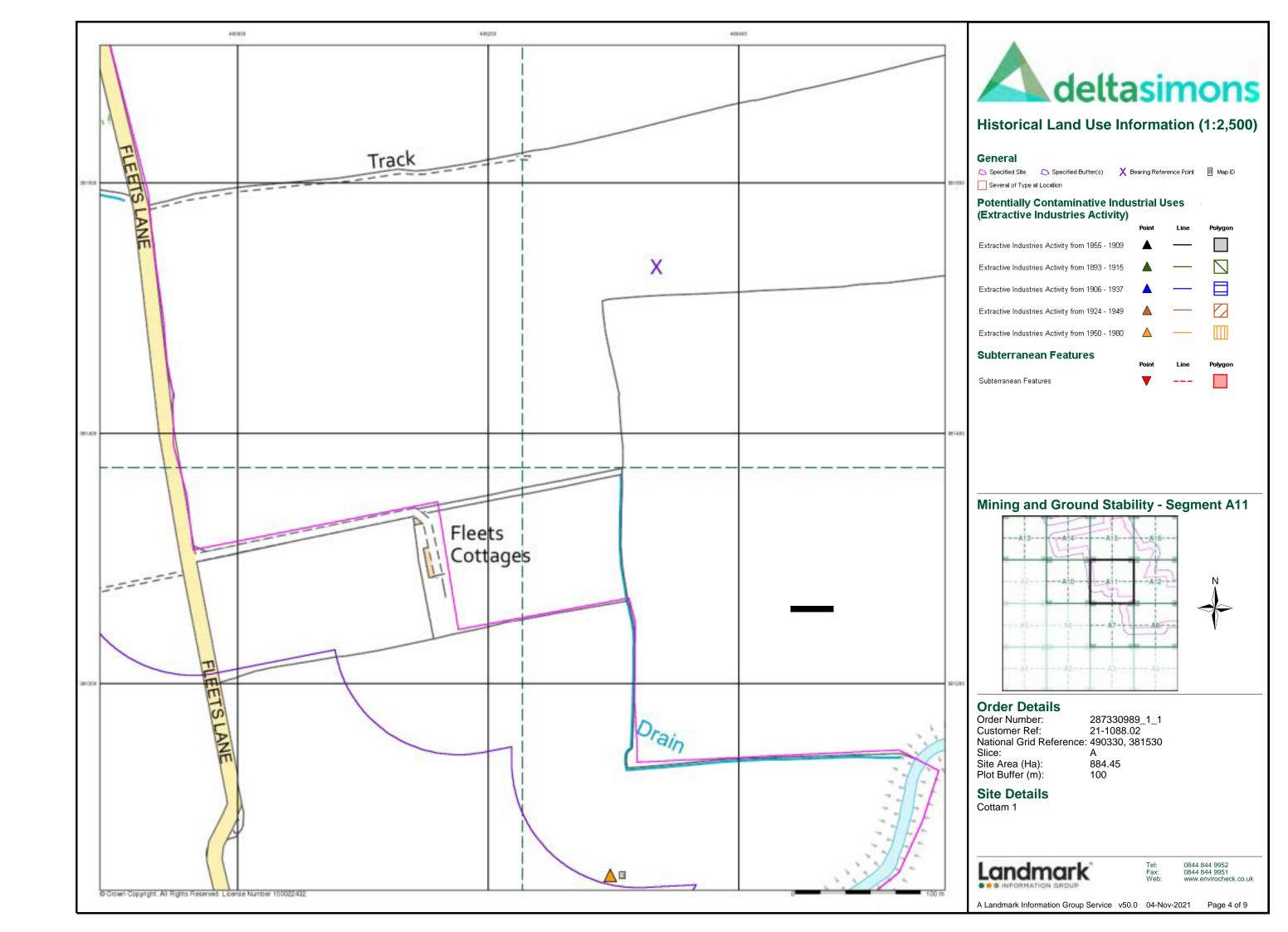
### **Useful Contacts**

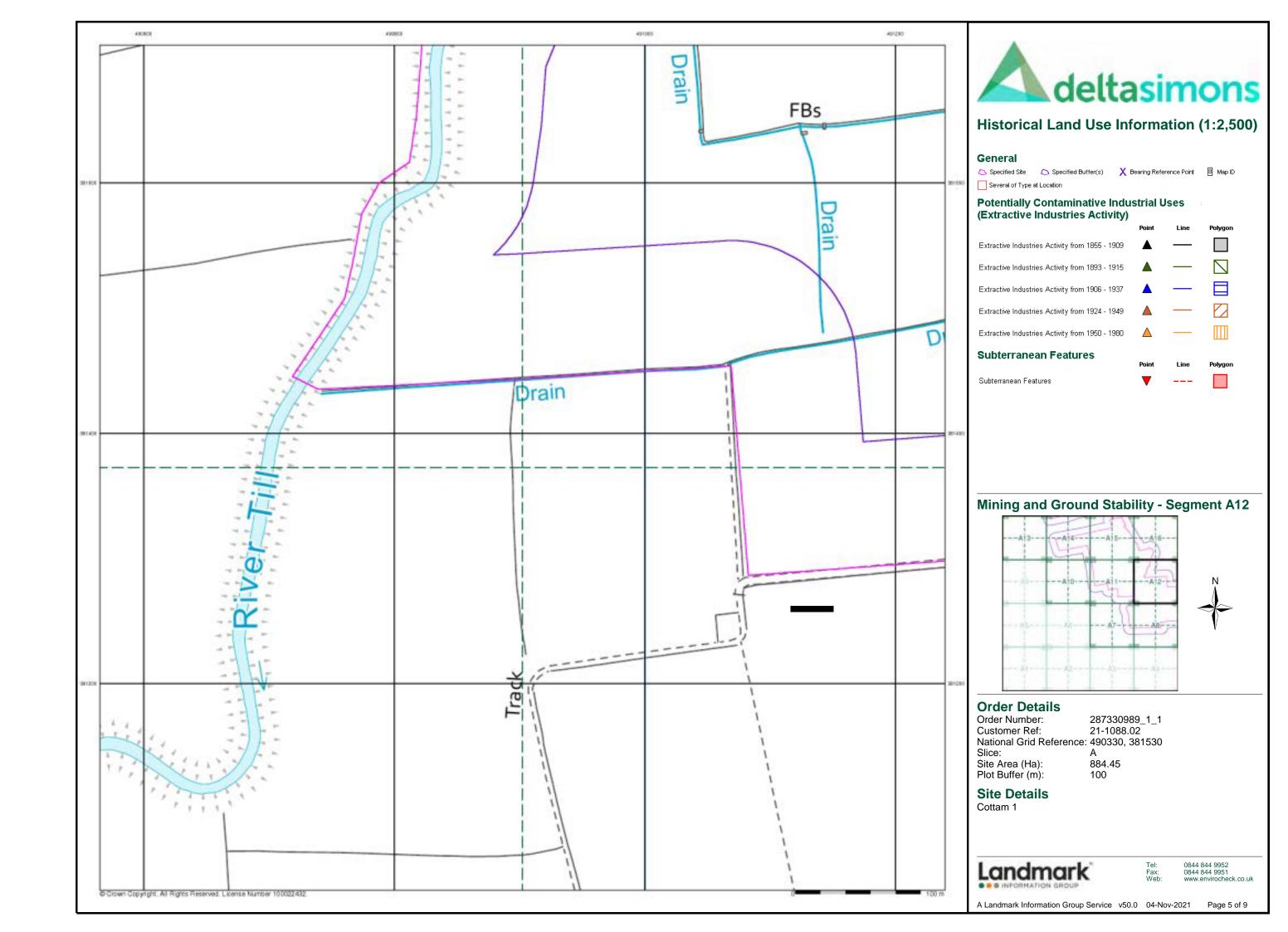
Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service  British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website:
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website:

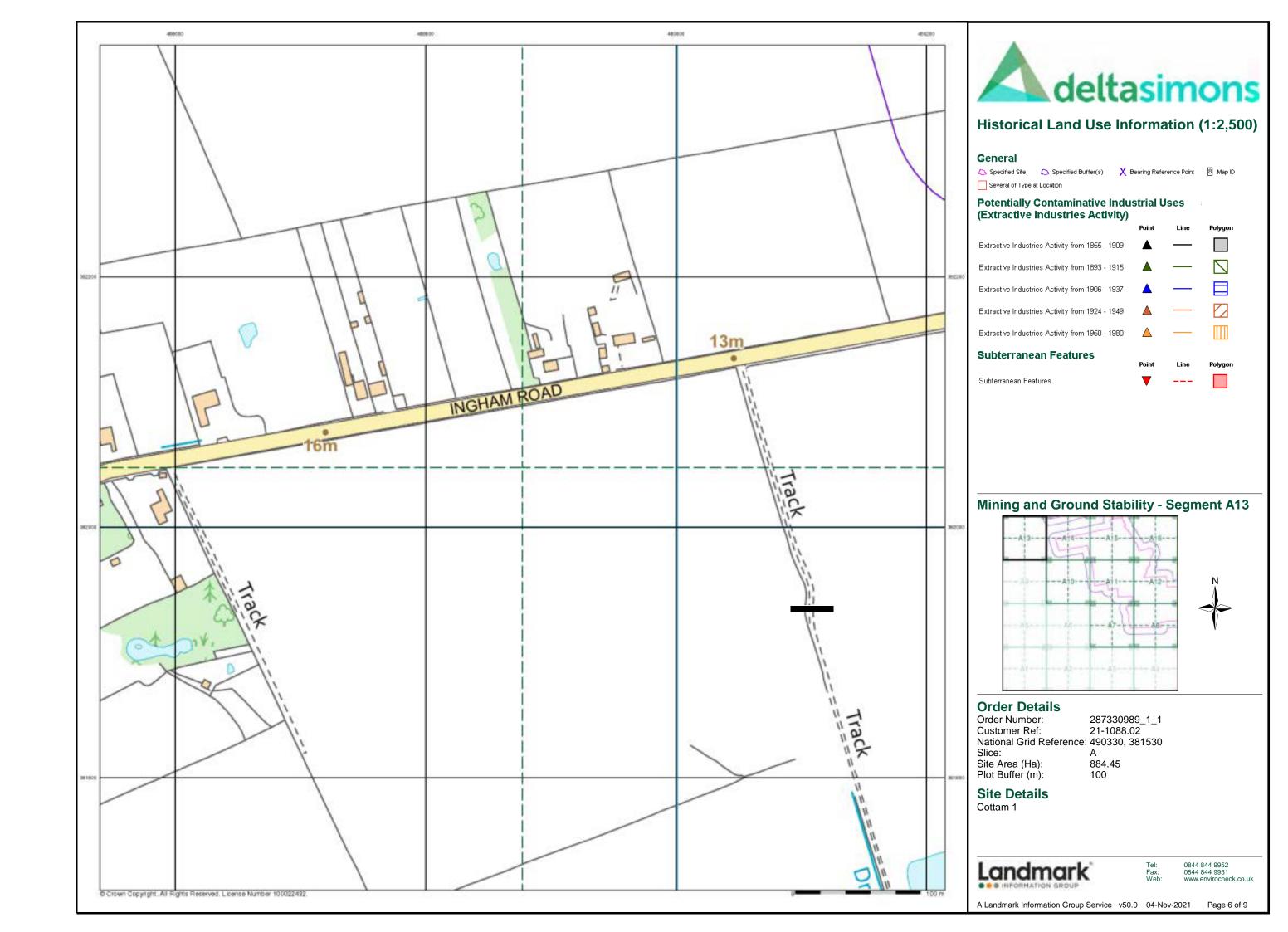


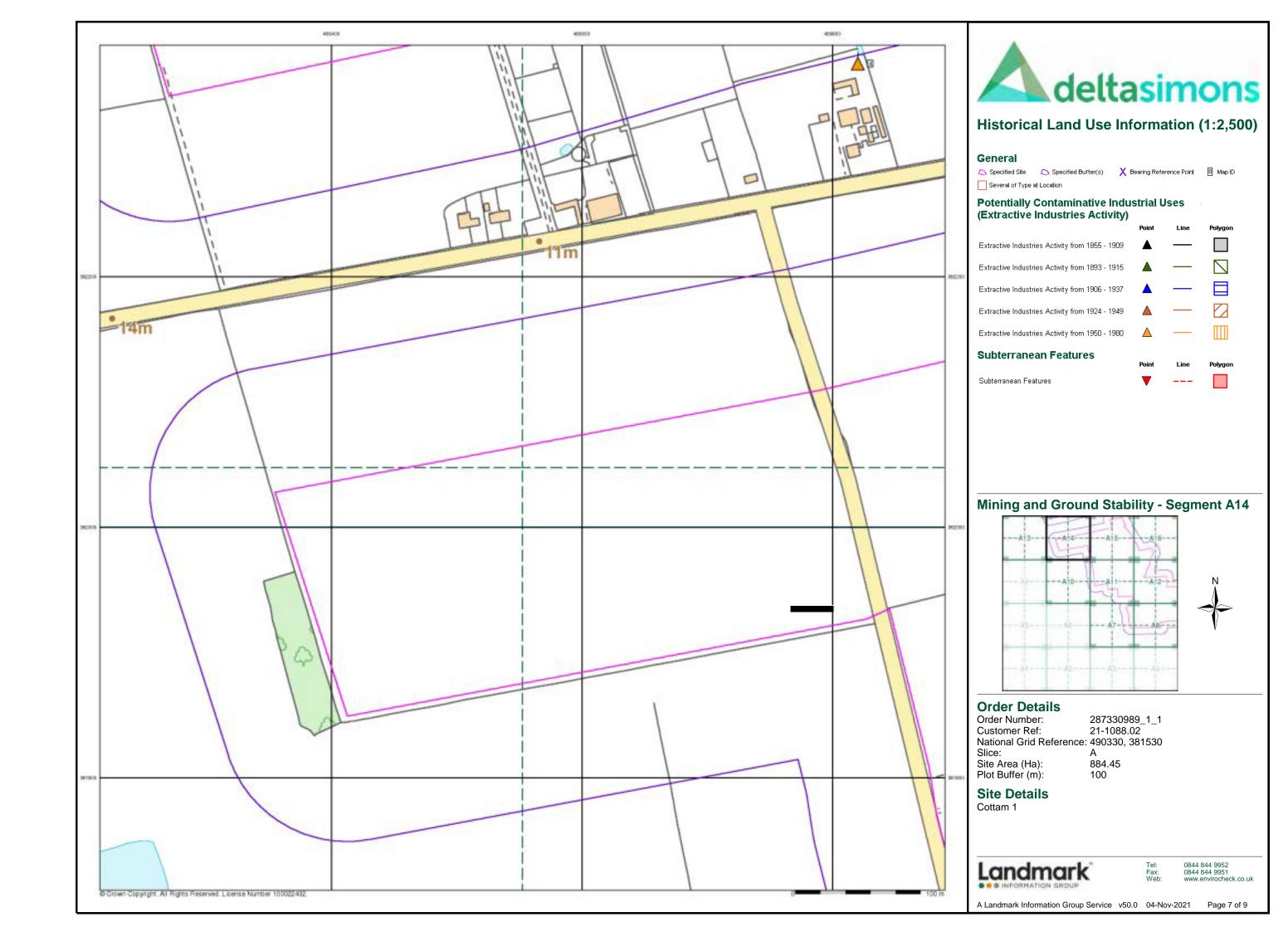


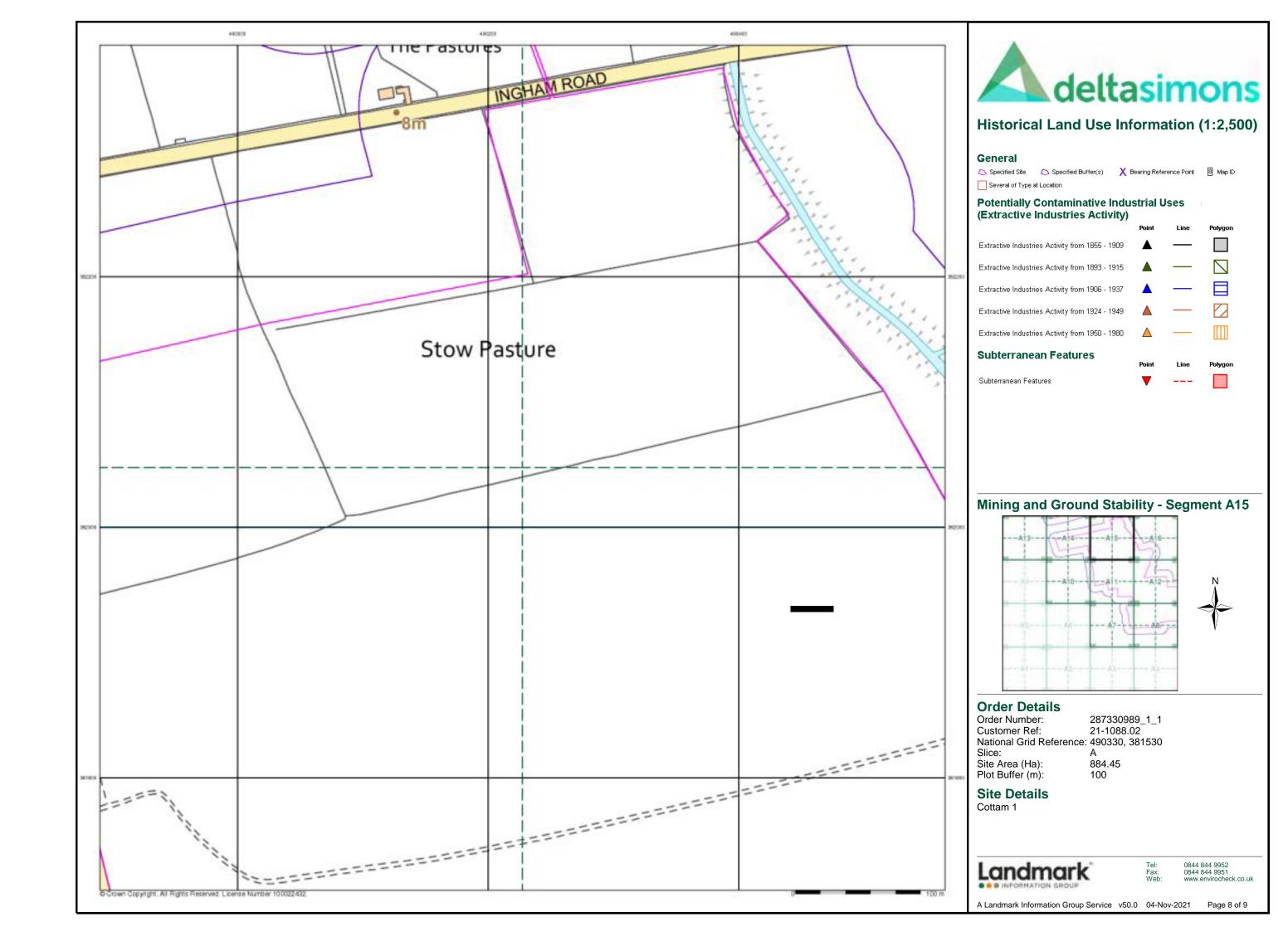


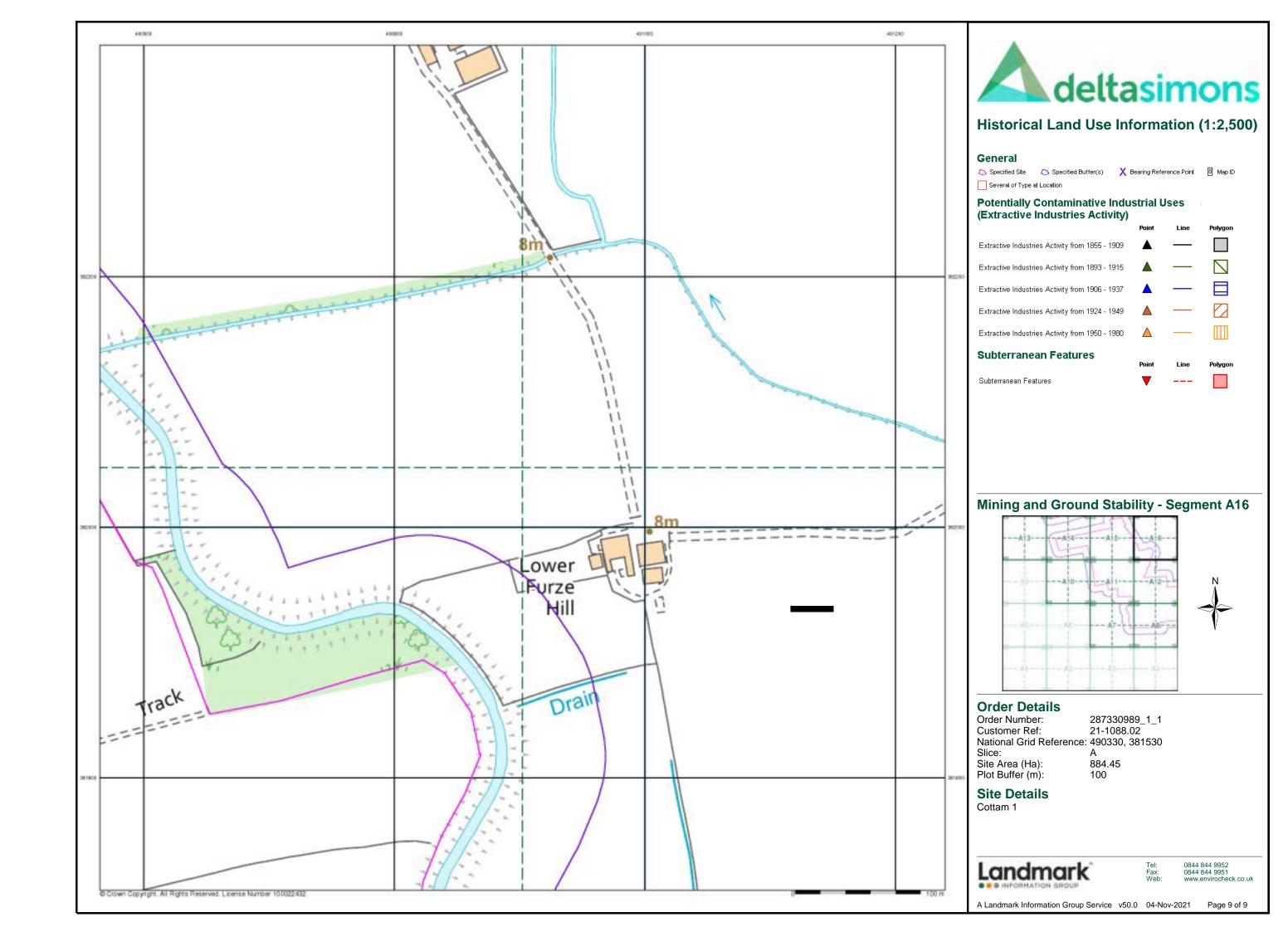












### **Geology 1:50,000 Maps Legends**

### **Superficial Geology**

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	GFDMP	Glaciofluvial Deposits, Mid Pleistocene	Sand and Gravel	Not Supplied - Cromerian
	TILMP	Till, Mid Pleistocene	Diamicton	Not Supplied - Cromerian
	RTDU	River Terrace Deposits (Undifferentiated)	Sand and Gravel	Not Supplied - Quaternary

#### **Bedrock and Faults**

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	CHAM	Charmouth Mudstone Formation	Mudstone	Not Supplied - Sinemurian
	SMD	Scunthorpe Mudstone Formation	Mudstone and Limestone, Interbedded	Not Supplied - Rhaetian



#### Geology 1:50,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslip deposits, superficial

The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

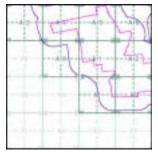
#### Geology 1:50,000 Maps Coverage

Map ID: 1 Map Sheet No: 102

| Map Sheet No: 102
| Map Name: Market Rasen | Market Rasen | Market Rasen | 1999 |
| Bedrock Geology: Available |

Superficial Geology: Available
Artificial Geology: Not Available
Faults: Not Supplied
Landslip: Not Available

#### Geology 1:50,000 Maps - Slice A





#### **Order Details:**

Order Number: Customer Reference: National Grid Reference: Slice:

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

Deteiler

#### Site Details:

Cottam 1

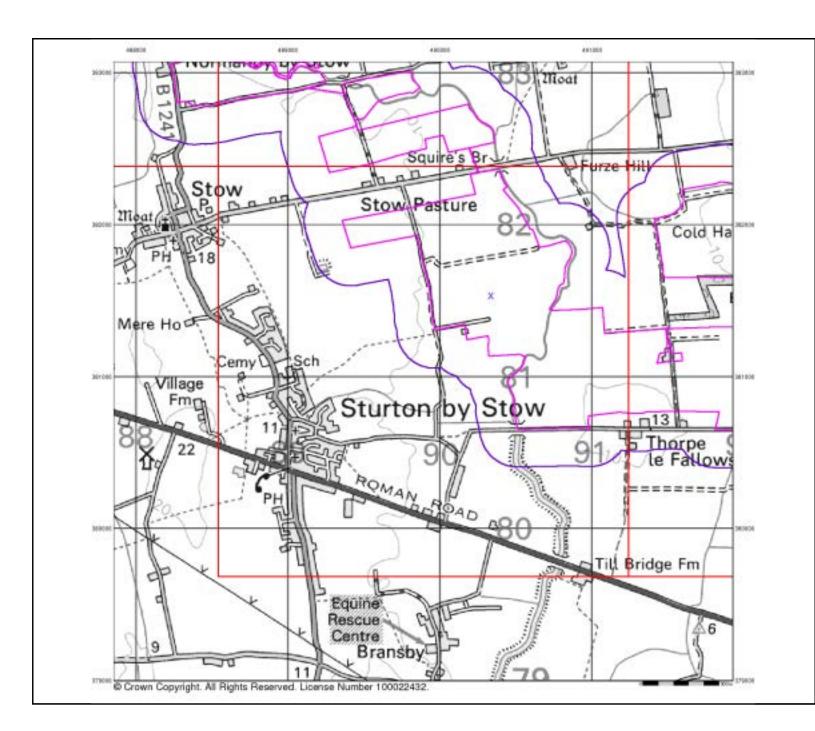


Tel: Fax:

287330989\_1\_1 21-1088.02

490330, 381530 A 884.45

> 0844 844 9952 0844 844 9951





#### **Artificial Ground and Landslip**

Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

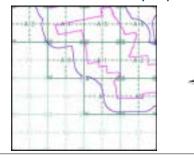
Artificial ground includes:

- Made ground man-made deposits such as embankments and spoil heaps on the natural ground surface.

  - Worked ground - areas where the ground has been cut away such as
- quarries and road cuttings.
- Infilled ground areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground areas where the surface has been reshaped.
   Disturbed ground areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

#### Artificial Ground and Landslip Map - Slice A



#### **Order Details:**

Order Number: Customer Reference: National Grid Reference:

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

287330989\_1\_1 21-1088.02 490330, 381530 A 884.45 250

#### Site Details:

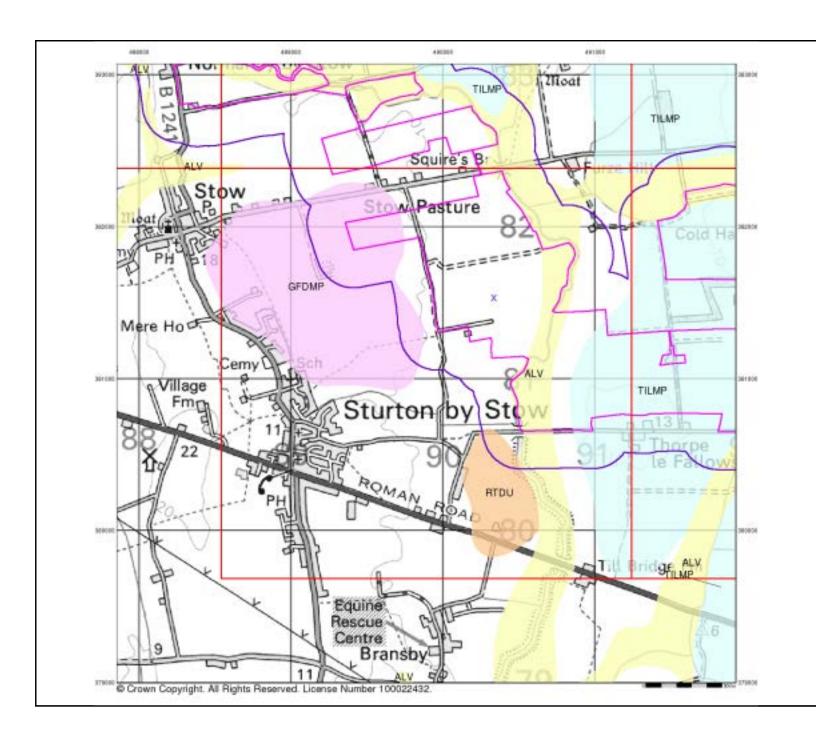
Cottam 1



0844 844 9952 0844 844 9951

v15.0 04-Nov-2021

Page 2 of 5





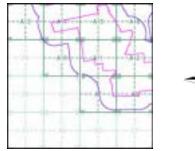
#### **Superficial Geology**

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

#### Superficial Geology Map - Slice A



#### **Order Details:**

Order Number: Customer Reference: 287330989\_1\_1 21-1088.02 National Grid Reference: Site Area (Ha): Search Buffer (m):

490330, 381530 A 884.45 250

Site Details:

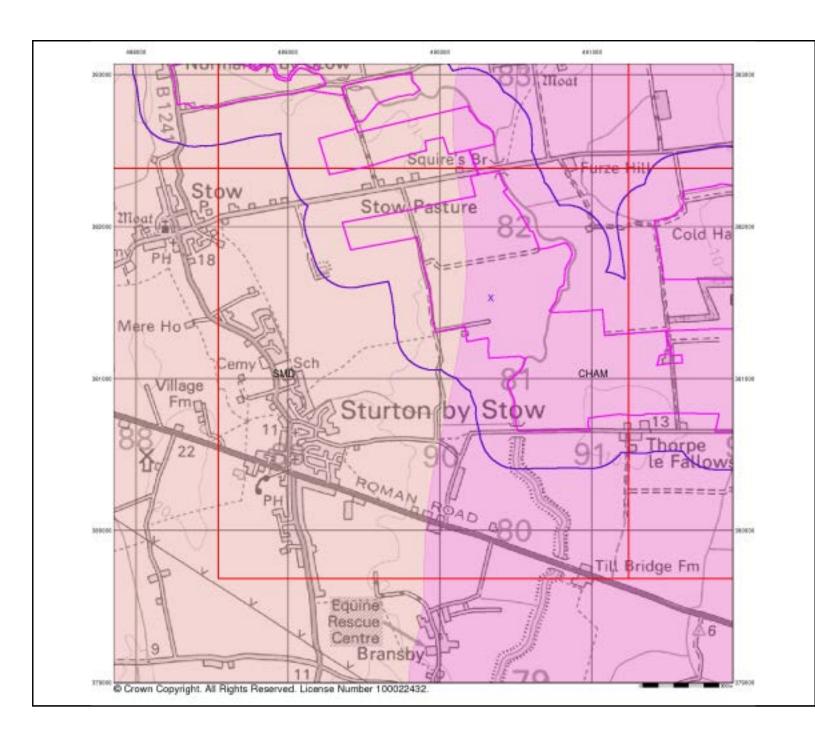
Cottam 1



0844 844 9952 0844 844 9951

v15.0 04-Nov-2021

Page 3 of 5





#### **Bedrock and Faults**

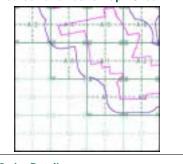
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

#### Bedrock and Faults Map - Slice A



287330989\_1\_1 21-1088.02

490330, 381530

#### **Order Details:**

Order Number: Customer Reference: National Grid Reference: Site Area (Ha): Search Buffer (m):

A 884.45 250

Site Details:

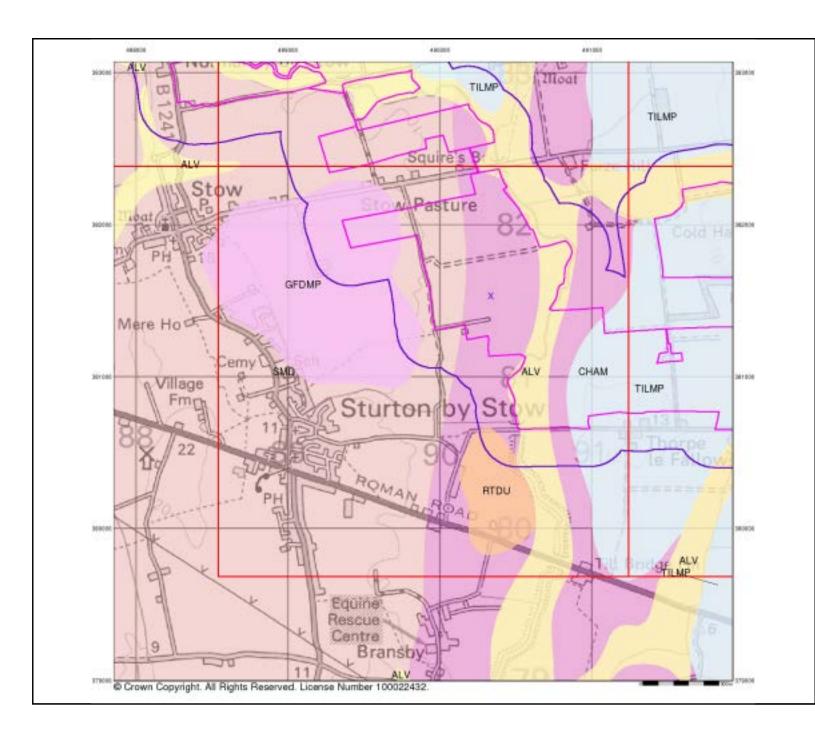
Cottam 1



0844 844 9952 0844 844 9951

v15.0 04-Nov-2021

Page 4 of 5





#### **Combined Surface Geology**

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

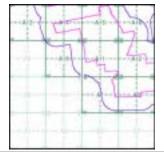
#### **Additional Information**

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

#### Contact

British Geological Survey Kingsley Dunham Centre Keyworth Nottingham NG12 5GG Telephone: 0115 936 3143 Fax: 0115 936 3276 email: enquiries@bgs.ac.uk website: www.bgs.ac.uk

#### Combined Geology Map - Slice A





#### **Order Details:**

Order Number: Customer Reference: National Grid Reference: Slice: Site Area (Ha):

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

ails:

287330989\_1\_1 21-1088.02 490330, 381530 A 884.45

250

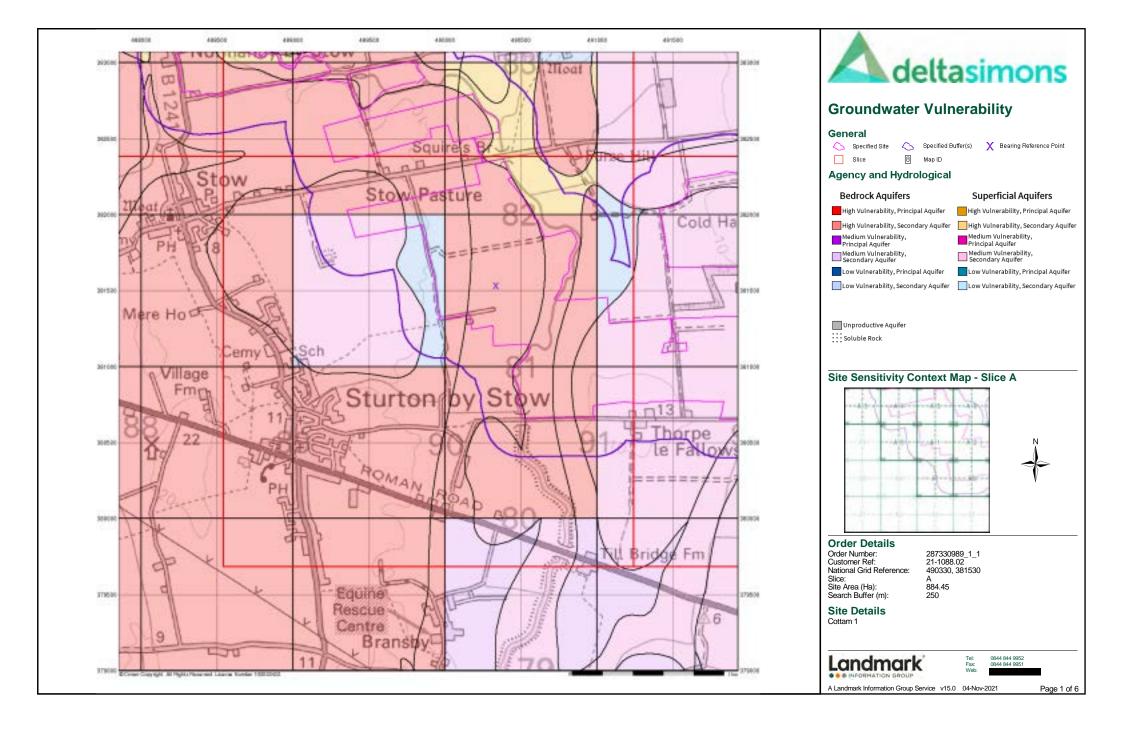
Site Details:

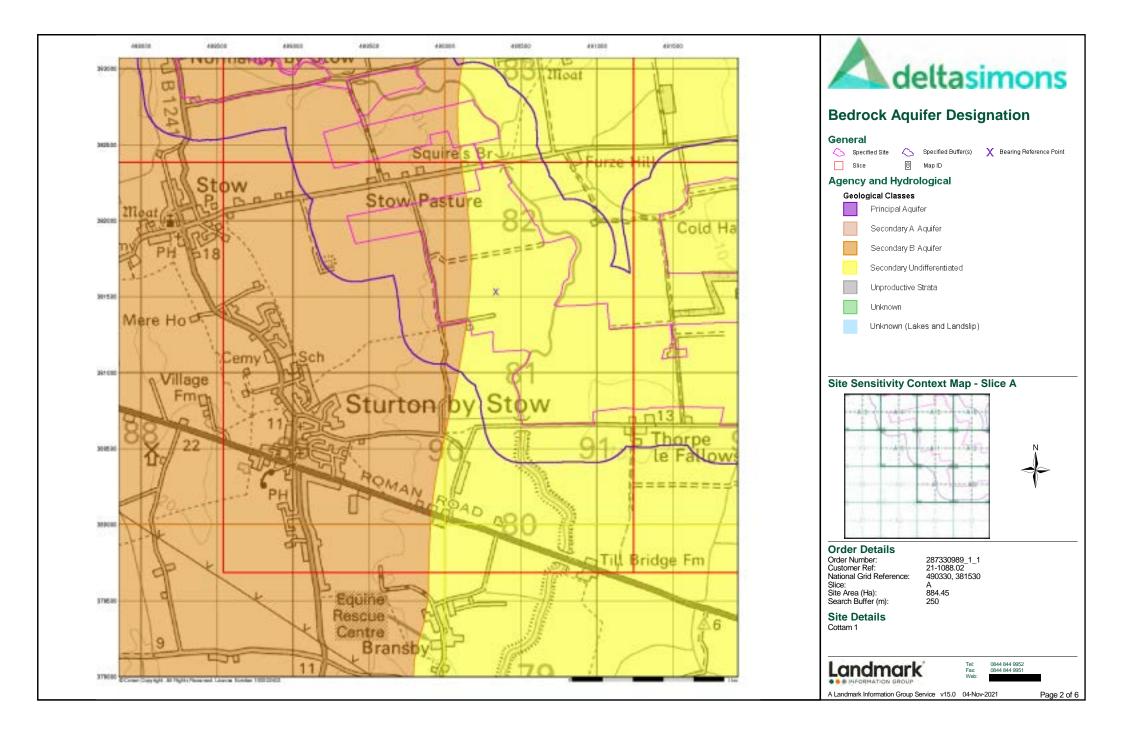
Cottam 1

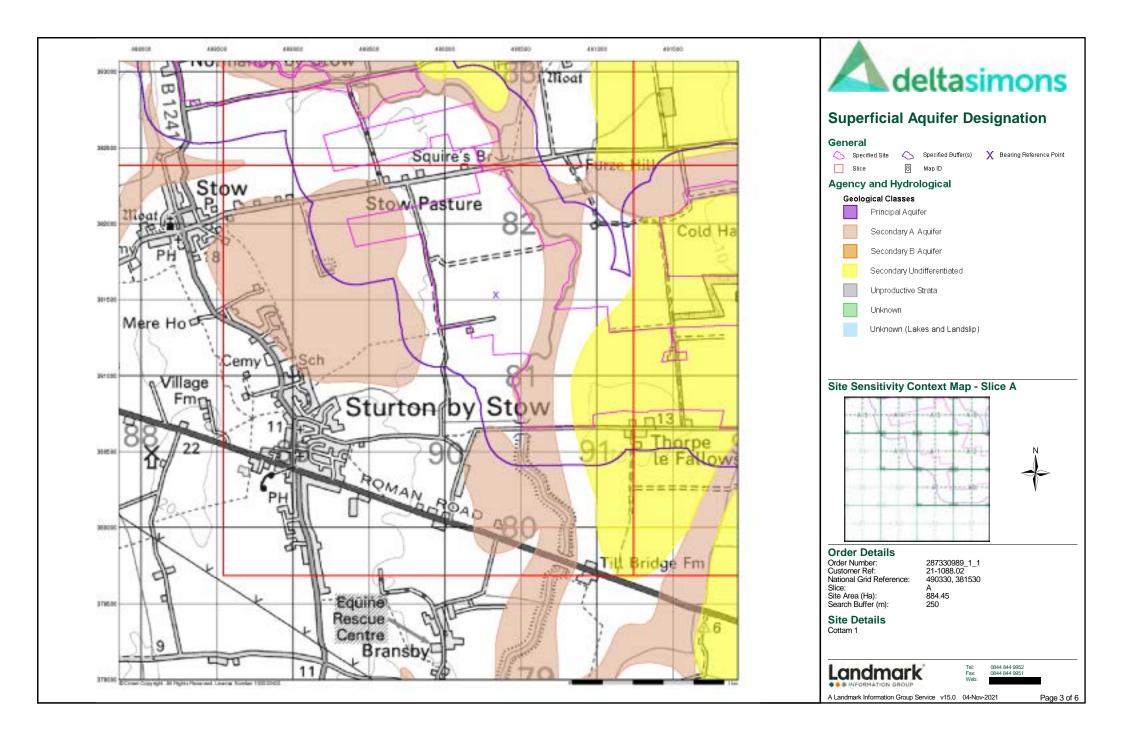


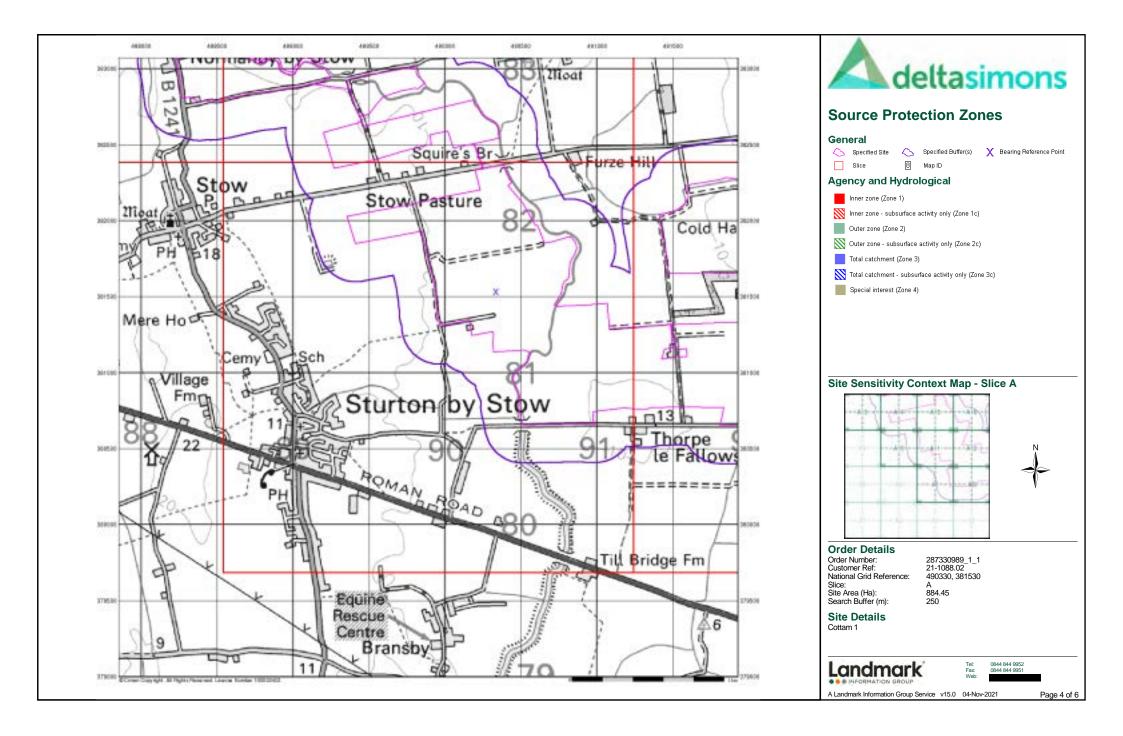
Tel: 0844 844 9952 Fax: 0844 844 9951

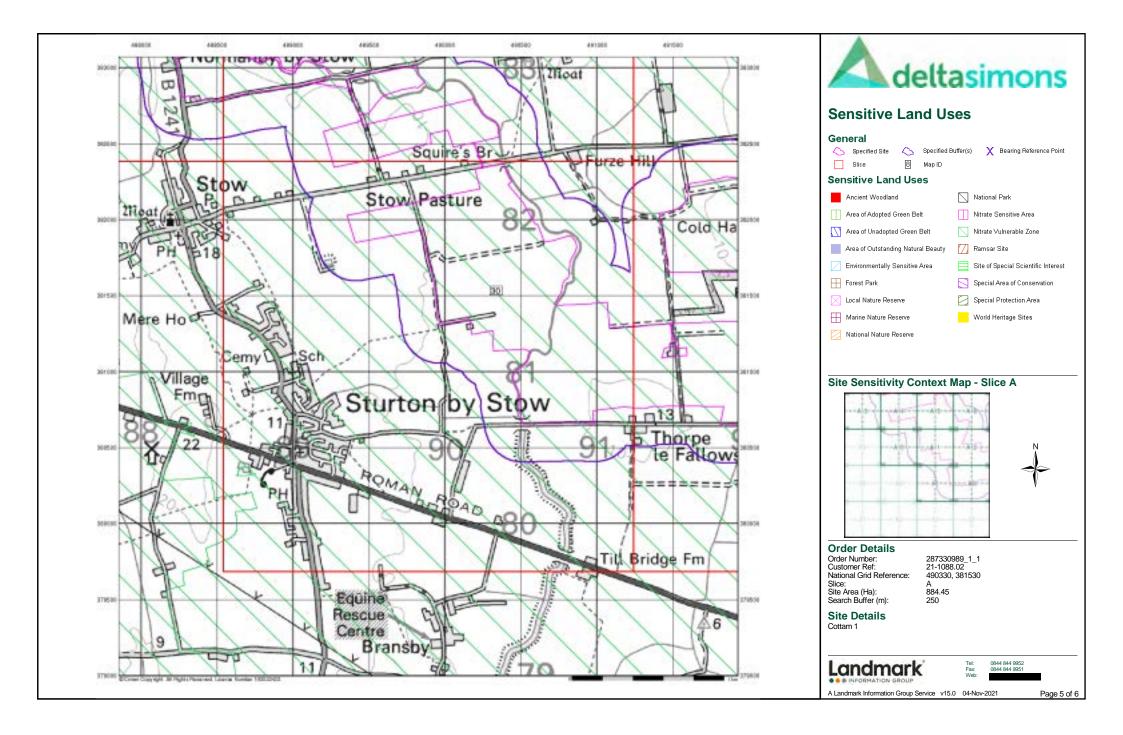
GROUP

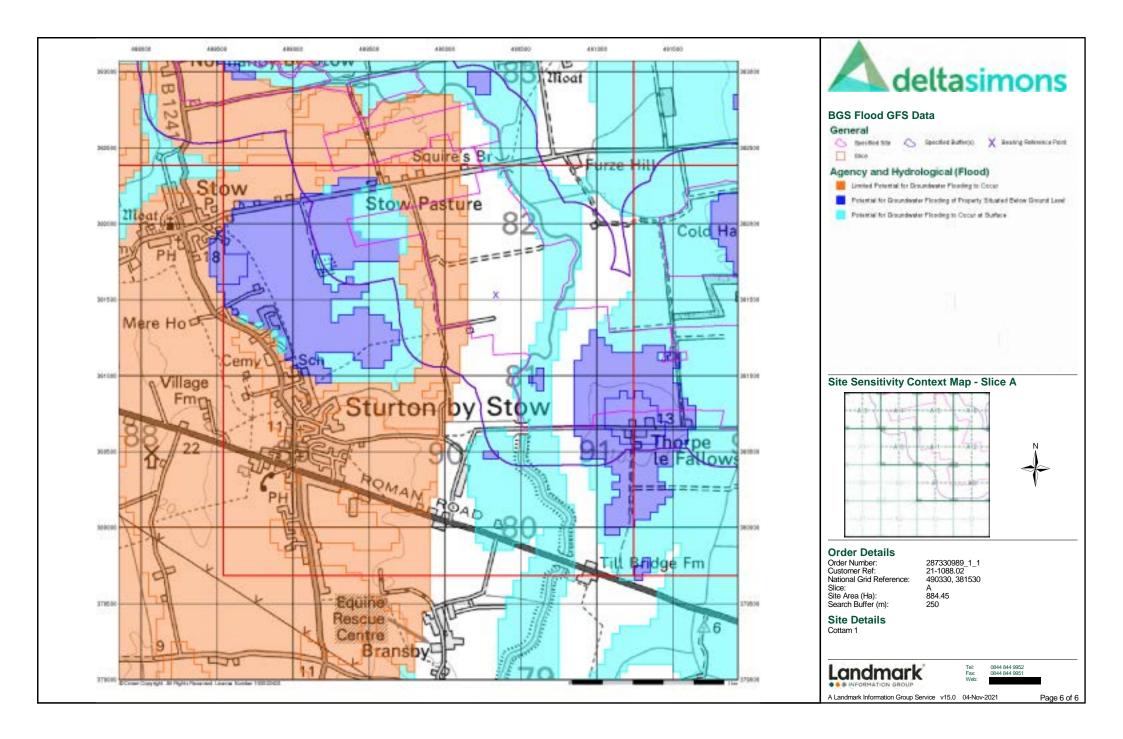














# **Envirocheck® Report:**

### **Datasheet**

### **Order Details:**

**Order Number:** 

287330989\_1\_1

**Customer Reference:** 

21-1088.02

**National Grid Reference:** 

492150, 381560

Slice:

В

Site Area (Ha):

884.45

Search Buffer (m):

250

### **Site Details:**

Cottam 1

### **Client Details:**

Mr A Howells Delta Simons 3 Henley Office Park Doddington Road Lincoln LN6 3QR







Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	14
Hazardous Substances	-
Geological	15
Industrial Land Use	-
Sensitive Land Use	18
Data Currency	19
Data Suppliers	24
Useful Contacts	25

#### 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.

#### Copyright Notice

© Landmark Information Group Limited 2021. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, the Environment Agency/Natural Resources Wales and Natural England, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer.

A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark,

subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report.

© Environment Agency & United Kingdom Research and Innovation 2021. © Natural Resources Wales & United Kingdom Research and Innovation 2021.

#### Natural England Copyright Notice

Site of Special Scientific Interest, National Nature Reserve, Ramsar, Special Protection Area, Special Conservation Area, Marine Nature Reserve data (derived from Ordnance Survey 1:10000 raster) is provided by, and used with the permission of, Natural England who retain the copyright and Intellectual Property Rights for the

#### Scottish Natural Heritage Copyright

Contains SNH information licensed under the Open Government Licence v3.0.

#### Ove Arup Copyright Notice

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

#### Stantec Copyright Notice

The cavity data presented has been extracted from the PBA (now Stantec UK Ltd) enhanced version of the original DEFRA national cavity databases. Stantec UK Ltd retain the copyright & intellectual property rights in the data. Whilst all reasonable efforts are made to check that the information contained in the cavity databases is accurate we do not warrant that the data is complete or error free. The information is based upon our own researches and those collated from a number of external sources and is continually being augmented and updated by Stantec UK Ltd. In no event shall Stantec UK Ltd or Landmark be liable for any loss or damage including, without limitation, indirect or consequential loss or damage arising from the use of this data.

#### Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England.

#### **Natural Resources Wales Copyright Notice**

Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Contains Ordnance Survey Data. Ordnance Survey Licence number 100019741. Crown Copyright and Database Right. Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Some features of this information are based on digital spatial data licensed from the Centre for Ecology & Hydrology © NERC (CEH). Defra, Met Office and DARD Rivers Agency © Crown copyright. © Cranfield University. © James Hutton Institute. Contains OS data © Crown copyright and database right 2021. Land & Property Services © Crown copyright and database right.

Report Version v53.0



Data Type	Page Number	On Site	0 to 250m (*up to 500m)
Agency & Hydrological			
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes
Contaminated Land Register Entries and Notices			
Discharge Consents	pg 1	1	1
Prosecutions Relating to Controlled Waters			n/a
Enforcement and Prohibition Notices			
Integrated Pollution Controls			
Integrated Pollution Prevention And Control			
Local Authority Integrated Pollution Prevention And Control			
Local Authority Pollution Prevention and Controls			
Local Authority Pollution Prevention and Control Enforcements			
Nearest Surface Water Feature	pg 2	Yes	
Pollution Incidents to Controlled Waters			
Prosecutions Relating to Authorised Processes			
Registered Radioactive Substances			
River Quality			
River Quality Biology Sampling Points			
River Quality Chemistry Sampling Points			
Substantiated Pollution Incident Register			
Water Abstractions			
Water Industry Act Referrals			
Groundwater Vulnerability Map	pg 2	Yes	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a
Groundwater Vulnerability - Local Information			n/a
Bedrock Aquifer Designations	pg 9	Yes	n/a
Superficial Aquifer Designations	pg 9	Yes	n/a
Source Protection Zones			
Extreme Flooding from Rivers or Sea without Defences	pg 9	Yes	Yes
Flooding from Rivers or Sea without Defences	pg 10	Yes	
Areas Benefiting from Flood Defences			
Flood Water Storage Areas			
Flood Defences	pg 10		Yes
OS Water Network Lines	pg 10	11	17



Data Type	Page Number	On Site	0 to 250m (*up to 500m)
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 14	2	n/a
Local Authority Recorded Landfill Sites			
Potentially Infilled Land (Non-Water)			
Potentially Infilled Land (Water)	pg 14	1	4
Registered Landfill Sites			
Registered Waste Transfer Sites			
Registered Waste Treatment or Disposal Sites			
Hazardous Substances			
Control of Major Accident Hazards Sites (COMAH)			
Explosive Sites			
Notification of Installations Handling Hazardous Substances (NIHHS)			
Planning Hazardous Substance Consents			
Planning Hazardous Substance Enforcements			



Data Type	Page Number	On Site	0 to 250m (*up to 500m)
Geological			
BGS 1:625,000 Solid Geology	pg 15	Yes	n/a
BGS Estimated Soil Chemistry	pg 15	Yes	Yes
BGS Recorded Mineral Sites			
BGS Urban Soil Chemistry			
BGS Urban Soil Chemistry Averages			
CBSCB Compensation District			n/a
Coal Mining Affected Areas			n/a
Mining Instability			n/a
Man-Made Mining Cavities			
Natural Cavities			
Non Coal Mining Areas of Great Britain			
Potential for Collapsible Ground Stability Hazards	pg 16	Yes	
Potential for Compressible Ground Stability Hazards	pg 16	Yes	
Potential for Ground Dissolution Stability Hazards			
Potential for Landslide Ground Stability Hazards	pg 16	Yes	
Potential for Running Sand Ground Stability Hazards	pg 16	Yes	Yes
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 17	Yes	
Radon Potential - Radon Affected Areas			n/a
Radon Potential - Radon Protection Measures			n/a
Industrial Land Use			
Contemporary Trade Directory Entries			
Fuel Station Entries			
Points of Interest - Commercial Services			
Points of Interest - Education and Health			
Points of Interest - Manufacturing and Production			
Points of Interest - Public Infrastructure			
Points of Interest - Recreational and Environmental			
Gas Pipelines			
Underground Electrical Cables			



Data Type	Page Number	On Site	0 to 250m (*up to 500m)
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 18	1	
Ramsar Sites			
Sites of Special Scientific Interest			
Special Areas of Conservation			
Special Protection Areas			
World Heritage Sites			



## **Agency & Hydrological**

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	0	1	492700 383000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B10NW (S)	0	1	492151 381559
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B15NW (NE)	0	1	492600 382300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B15NW (NE)	0	1	492900 382300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	0	1	492100 382550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B5NW (SW)	0	1	491400 380800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B9SW (SW)	0	1	491550 381150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	B9SW (SW)	0	1	491450 381150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	1	490650 381050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	B10NW (E)	0	1	492250 381550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B15NW (NE)	1	1	492800 382350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	B15SE (E)	3	1	493100 381850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B16SW (E)	124	1	493300 381750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SW)	210	1	491050 380450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	229	1	493400 382650
1	Discharge Consents  Operator: Limestone Farming Company Property Type: Undefined Or Other Location: Crewyards At Coldharbour Farm, Coldharbour Farm Authority: Environment Agency, Anglian Region  Not Supplied Pr3nfs1615 Permit Version: 1 Effective Date: 12th March 1969 Issued Date: 12th March 1969 Revocation Date: 12th March 1969 Issued Date: 12th March 1969 Issued Date: 12th March 1969 Revocation Date: 19th February 1992 Discharge Type: Discharge Freshwater Stream/River Environment: Receiving Water: Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989	B14SE (N)	0	2	492280 381990



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Discharge Consent	s				
2	Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date:	Mrs Bosworth Domestic Property (Single) The Lodge, Thorpe In The Fallows, Lincoln, Ln1 2dr Environment Agency, Anglian Region Not Supplied Pr3nfs1616 1 12th March 1969	B5SE (SW)	124	2	491600 380650
	Issued Date: Revocation Date: Discharge Type: Discharge Environment:	12th March 1969 19th February 1992 Sewage Discharges - Final/Treated Effluent - Not Water Company Freshwater Stream/River				
	Receiving Water: Status: Positional Accuracy:	Trib River Till <b>Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b> Located by supplier to within 10m				
	Nearest Surface Wa	ater Feature	B10SE (SE)	0	-	492341 381200
	Groundwater Vulne	erability Map				
	Combined Classification: Combined	Secondary Bedrock Aquifer - High Vulnerability High	(W)	0	3	491000 381313
	Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial Patchiness:	40-70% <90%				
	Superficial Thickness: Superficial Recharge:	<3m No Data				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	(W)	0	3	490888 381780
	Combined Vulnerability: Combined Aquifer:	High  Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed: Bedrock Flow: Dilution:	Low Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial Patchiness:	40-70% <90%				
	Superficial Thickness: Superficial	<3m No Data				
	Recharge:					
	Groundwater Vulne		DAONINA		•	400000
	Combined Classification: Combined	Secondary Superficial Aquifer - Medium Vulnerability  Medium	B10NW (W)	0	3	492000 381559
	Vulnerability: Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution: Baseflow Index: Superficial	Poorly Connected Fractures <300 mm/year 40-70% <90%				
	Patchiness: Superficial Thickness:	<3m				
	Superficial Recharge:	Low				

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 Page 2 of 25



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined	Secondary Superficial Aquifer - Medium Vulnerability	B10NW	0	3	492151
	Classification: Combined	Medium	(S)			381559
	Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Poorly Connected Fractures <300 mm/year 40-70%				
	Superficial Patchiness:	>90%				
	Superficial Thickness:	<3m				
	Superficial Recharge:	Low				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	B14SE (N)	0	3	492298 381951
	Combined Vulnerability:	Medium  Productive Podroek Aguifer, Productive Superficial Aguifer				
	Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial Patchiness:	40-70% >90%				
	Superficial Thickness:	<3m				
	Superficial Recharge:	Low				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	(SW)	0	3	491000 381000
	Combined Vulnerability: Combined Aquifer:	High  Productive Podroek Aguifer Productive Superficial Aguifer				
	Pollutant Speed: Bedrock Flow: Dilution:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	<000 mm/year 40-70% <90%				
	Patchiness: Superficial Thickness:	<3m				
	Superficial Recharge:	High				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	(W)	0	3	490714 381000
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed: Bedrock Flow:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Well Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial Patchiness:	<90%				
	Superficial Thickness: Superficial	<3m High				
	Recharge:	···•·				



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	B6NW (S)	0	3	492000 381000
	Combined Vulnerability:	Medium	(=/			
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness: Superficial	3-10m				
	Thickness: Superficial	Low				
	Recharge:					
	Groundwater Vulne Combined	erability Map Secondary Superficial Aquifer - Medium Vulnerability	B6SW	0	3	492000
	Classification: Combined	Medium	(S)		, J	380668
	Vulnerability: Combined Aquifer:	Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	Low Poorly Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial Patchiness:	<90%				
	Superficial Thickness:	3-10m				
	Superficial Recharge:	Low				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	B6NW (S)	0	3	492151 381000
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% >90%				
	Patchiness: Superficial	<3m				
	Thickness: Superficial	Low				
	Recharge:					
	Groundwater Vulne	• •	DeNE		0	400045
	Combined Classification: Combined	Secondary Superficial Aquifer - Medium Vulnerability	B6NE (S)	0	3	492345 381000
	Vulnerability:	Medium  Productive Podrock Aguifer Productive Superficial Aguifer				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low  Poorly Connected Freeture				
	Bedrock Flow: Dilution:	Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% >90%				
	Patchiness: Superficial	<3m				
	Thickness: Superficial Recharge:	Low				



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - High Vulnerability	(NW)	0	3	491000 382193
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index:	Productive Bedrock Aquifer, Productive Superficial Aquifer High Well Connected Fractures <300 mm/year 40-70%				
	Superficial Patchiness:	<90%				
	Superficial Thickness:	<3m				
	Superficial Recharge:	No Data				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	B14SW (N)	0	3	492000 382000
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed: Bedrock Flow:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Poorly Connected Fractures				
	Dilution: Baseflow Index: Superficial	<300 mm/year 40-70% <90%				
	Patchiness: Superficial Thickness:	<3m				
	Superficial Recharge:	Low				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	B14NW (N)	0	3	492000 382165
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial Patchiness:	40-70% <90%				
	Superficial Thickness:	<3m				
	Superficial Recharge:	Low				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - High Vulnerability	B14SE (NE)	0	3	492376 382000
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed: Bedrock Flow:	Productive Bedrock Aquifer, Productive Superficial Aquifer High Poorly Connected Fractures				
	Dilution: Baseflow Index: Superficial Patchiness:	<300 mm/year >70% >90%				
	Superficial Thickness:	<3m				
	Superficial Recharge:	High				



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined	Secondary Superficial Aquifer - High Vulnerability	B14SW	0	3	492151
	Classification: Combined	High	(N)			382000
	Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution:	Productive Bedrock Aquifer, Productive Superficial Aquifer High Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial Patchiness: Superficial	>70% >90% <3m				
	Thickness: Superficial Recharge:	High				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - High Vulnerability	B14SW (N)	0	3	492241 382000
	Combined Vulnerability: Combined Aquifer: Pollutant Speed:	High  Productive Bedrock Aquifer, Productive Superficial Aquifer High				
	Bedrock Flow: Dilution: Baseflow Index:	Poorly Connected Fractures <300 mm/year >70%				
	Superficial Patchiness: Superficial	>90% <3m				
	Thickness: Superficial Recharge:	High				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	B15SE (NE)	0	3	493131 382000
	Combined Vulnerability: Combined Aquifer:	Medium  Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed: Bedrock Flow: Dilution:	Low Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial Patchiness: Superficial	40-70% <90% <3m				
	Thickness: Superficial Recharge:	Low				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	(SW)	0	3	490845 381000
	Combined Vulnerability: Combined Aquifer:	High  Productive Bedrock Aquifer, No Superficial Aquifer				
	Pollutant Speed: Bedrock Flow: Dilution:	Low Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial Patchiness:	40-70% <90%				
	Superficial Thickness: Superficial	<3m High				
	Recharge:					



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	(N)	0	3	492359 383000
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow:	Poorly Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial	>90%				
	Patchiness: Superficial	<3m				
	Thickness:					
	Superficial Recharge:	No Data				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	(N)	0	3	492151 383000
	Combined Vulnerability:	Medium				
	Combined Aquifer:	Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	Low Poorly Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial	>90%				
	Patchiness: Superficial	<3m				
	Thickness:					
	Superficial Recharge:	No Data				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	(W)	0	3	491000 381559
	Combined	High				
	Vulnerability: Combined Aquifer:	Productive Bedrock Aquifer, No Superficial Aquifer				
	Pollutant Speed:	Low				
	Bedrock Flow: Dilution:	Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness:					
	Superficial Thickness:	<3m				
	Superficial Recharge:	No Data				
	Groundwater Vulne	erability Man				
	Combined	Secondary Bedrock Aquifer - High Vulnerability	(W)	0	3	490658
	Classification: Combined	, ,	, ,			381585
	Vulnerability:	High				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, No Superficial Aquifer Low				
	Bedrock Flow:	Well Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial	<90%				
	Patchiness: Superficial	<3m				
	Thickness:					
	Superficial Recharge:	No Data				



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - Low Vulnerability	B9NW (W)	0	3	491255 381675
	Combined Vulnerability:	Low	(**)			001070
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, No Superficial Aquifer Low				
	Bedrock Flow:	Poorly Connected Fractures				
	Dilution:	<300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness:					
	Superficial Thickness:	<3m				
	Superficial	Low				
	Recharge:					
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - Low Vulnerability	B10SE (SE)	0	3	492550 381199
	Combined	Low				
	Vulnerability: Combined Aquifer:	Productive Bedrock Aquifer, No Superficial Aquifer				
	Pollutant Speed:	Low				
	Bedrock Flow:	Poorly Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial	>90%				
	Patchiness: Superficial	<3m				
	Thickness:	2311				
	Superficial Recharge:	Low				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - Low Vulnerability	B11NE (E)	0	3	493000 381559
	Combined	Low				
	Vulnerability: Combined Aquifer:	Productive Bedrock Aquifer, No Superficial Aquifer				
	Pollutant Speed:	Low				
	Bedrock Flow: Dilution:	Poorly Connected Fractures				
	Baseflow Index:	<300 mm/year 40-70%				
	Superficial	<90%				
	Patchiness: Superficial	<3m				
	Thickness:	Com				
	Superficial Recharge:	Low				
	Groundwater Vulne	erability Map				
	Combined	Secondary Bedrock Aquifer - High Vulnerability	(W)	0	3	490586
	Classification:	Llink				382000
	Combined Vulnerability:	High				
	Combined Aquifer:	Productive Bedrock Aquifer, No Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	High Well Connected Fractures				
	Dilution:	<300 mm/year				
	Baseflow Index:	40-70%				
	Superficial Patchiness:	<90%				
	Superficial	<3m				
	Thickness: Superficial	No Data				
	Recharge:	INU Dala				



Page 9 of 25

Groundwater Vulnerability Map Combined Secondary Sedencia Aquiller - Medium Vulnerability Combined Aquiller Pollutaris Specification Bodrock Floric Bodrock Aquiller Designation Bodrock Floric Bod	/lap ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
Combined Medium Violenteibility Productive Bedrock Aquifer, No Superficial Aquifer Pediotics Species Superficial Productive Bedrock Aquifer, No Superficial Aquifer Pediotics Species Superficial Species Spec		Groundwater Vulne	rability Map				
Combined Aquifer Productive Bedrock Aquifer, No Superficial Aquifer Holland Aquifer Holland Aquifer Productive Bedrock Aquifer Fractures Superficial Aquifer Productive Section 1			Secondary Bedrock Aquifer - Medium Vulnerability		0	3	492400
Volumerability:   Combined Aquifer:   Productive Bedrock Aquifer, No Superficial Aquifer   Productive Bedrock Aquifer, No Superficial Aquifer   Productive Bedrock Aquifer, No Superficial   Aquifer   Productive Bedrock Aquifer, No Superficial   Aquifer   Productive Bedrock Aquifer, No Superficial   Superfici			Medium	(N)			382278
Pollutant Speed:   High   Bedrock Flow:   Poorly Connected Fractures   200 mm/year			Weduiii				
Bedrock Flow: Poorly Connected Fractures   Superficial   S		Combined Aquifer:	Productive Bedrock Aquifer, No Superficial Aquifer				
Dilution:							
Baseflow Index: 70% Superficial >90% Patchiness: Superficial >90% Patchiness: Superficial   High   Recharge:  Groundwater Vulnerability Map Combined Secondary Bedrock Aquifer - Low Vulnerability   Combined Secondary Bedrock Aquifer - Low Vulnerability   Combined Secondary Bedrock Aquifer   Combined Secondary Productive Bedrock Aquifer   Combined Aquifer   Productive Bedrock Aquifer   Produc							
Patchiness: Superficial density of the patch							
Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - Undifferentiated  Superficial Aquifer Designations  Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - A  Superficial Aquifer Designations  Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - A  Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - A  Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - A  Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - A  Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - A  Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - A  Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - A  Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - Mildferentiated  Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - Mildferentiated  Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - Undifferentiated  Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - Undifferentiated  Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - Undifferentiated  Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - Undifferentiated  Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - Undifferentiated  Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - Undifferentiated  Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - Undifferentiated  Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - Undifferentiated  Superficial Aquifer Designa			>90%				
Trickness: Superficial Superficial Aquifer Secondary Aquifer - Low Vulnerability Combined Calestification: Combined Low Vulnerability: Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Bedrock Flow: Poorty Connected Fractures Superficial Speed: Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated Superficial Aquifer Designation: Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated Superficial Aquifer Designations Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated Superficial Aquifer Designations Superficial Aquifer Designations Aquifer Designation: Secondary Acquifer - Undifferentiated Superficial Aquifer Designations			40m				
Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  Superficial Aquifer Designation: Secondary Aquifer - A  Superficial Aquifer Designation: Secondary Aquifer - Designation: Secondary Aquifer - B  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated  BIONW  3  Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - Undifferentiated  BIONW  5  Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - Undifferentiated  BIONW  6  Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - Undifferentiated  BIONW  6  Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - Undifferentiated  BIONW  6  Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - Undifferentiated  BIONW  6  Superficial Aquifer Designations  Aqu		l '	Colli				
Groundwater Vulnerability Map Combined Classification: Combined Classification: Combined Classification: Combined Classification: Combined			High				
Combined Secondary Bedrock Aquifer - Low Vulnerability Classification: Combined Low Vulnerability: Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutants Speed: Bedrock Flow: Poorty Connected Fractures Dilution: - 4300 mm/year Baseltow Indox: - 4300 mm/y		Recharge:					
Combined Secondary Bedrock Aquifer - Low Vulnerability Classification: Combined Low Vulnerability: Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutants Speed: Bedrock Flow: Poorty Connected Fractures Dilution: - 4300 mm/year Baseltow Indox: - 4300 mm/y		Groundwater Vulne	rability Map				
Classification: Combined Low Vulnerability: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Pollutant Speed: Pollutant Speed: Pollutant Speed: Pollutant Speed: Pollutant Speed: Basaflow Index: Superficial 40-70% Superficial 40-70% Patchiness: Superficial 50% Patchiness: Superficial Low Recharge: Groundwater Vulnerability - Soluble Rock Risk None Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated B10NW Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated (N) Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A B6NE Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated B10NW Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated B10NW Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated B10NW Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated B10NW Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated B10NW Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated B10NW Superficial Aquifer Designations Secondary Aquifer - Undifferentiated B10SE Superficial Aquifer Designations Secondary Aquifer - Undifferentiated B10SE Superficial Aquifer Designations Secondary Aquifer - Undifferentiated Superficial Aqu				B15SF	0	3	493000
Vulnerability:   Productive Bedrock Aquifer, No Superficial Aquifer   Pollutant Speed: Low   Bedrock Flow:   Poorly Connected Fractures   Bedrock Flow:   Poorly Connected Fractures   Bedrock Flow:   Poorly Connected Fractures   Baselfow Index: 40-70%   Superficial   490%   Patchines: 490%   Patchines: 490%   Patchines: 490%   Patchines: 490%   Patchines: 50perficial   Low   Recharge: 490%   Patchines: 50perficial   Low   Recharge: 490%   Patchines: 50perficial   Low   Recharge: 490%   Patchines: 50perficial   Recharge: 490%   Patchines: 50perficial   Recharge: 490%   Patchines: 50perficial   Patchines: 50perfici			200 Tumorability				382000
Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Poorly Connected Fractures Dilution: 4300 mmylear Baseflow Index: 40-70% Patchiness: Superficial 40% Patchiness: Superficial Low Recharge: Groundwater Vulnerability - Soluble Rock Risk None  Bedrock Aquifer Designations Aquifer Designations Secondary Aquifer - Undifferentiated (N) 0 3  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated (N) 0 3  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A B6NE (SE)  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A B6NE (SE)  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A B14SE 0 3  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A B14SE 0 3  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A B14SE 0 3  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated B15NW 0 3  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated B15NW 0 3  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated B15NW 0 3  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated B15NW 0 3  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences B6SW 0 2  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Pla		Combined	Low	, ,			
Pollutant Speed: Low Bedrock Flow: Poorly Connected Fractures Dilution: -300 mm/year A -300 mm/year Baselfow Index: -300 mm/year Index: -300 mm/year Baselfow Ind			Productive Reducely Aguifes No Conservation A. 10				
Bedrock Flow: Poorly Connected Fractures Dilution: <a href="About Processing 20mm/year">About Processing 20mm/year</a> Baseflow Index: <a href="About Processing 20mm/year">About Processing 20mm/year</a> Baseflow Index: <a href="About Processing 20mm/year">About Processing 20mm/year</a> Baseflow Index: <a href="About Processing 20mm/year">About Processing 20mm/year</a> Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated B10NW 0 3  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated (N) 0 3  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A (SE) Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A (SE) Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A (SE) Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A (SE) Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated B10NW 0 3  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated B10NW 0 3  Superficial Aquifer Designations Aquifer Designation Secondary Aquifer - Undifferentiated B10NW 0 3  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated B10NW 0 3  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Floo							
Dilution:							
Superficial Comments of the Superficial Action of the Superficial Acti		Dilution:	<300 mm/year				
Patchiness: Superficial <3m Thickness: Superficial Low Recharge:  Groundwater Vulnerability - Soluble Rock Risk None  Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated  (N) 0 3  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Extreme Flooding from Rivers or Sea with							
Superficial Low Recharge:  Groundwater Vulnerability - Soluble Rock Risk None  Bedrock Aquifer Designations Aquifer Designations Secondary Aquifer - Undifferentiated  Superficial Aquifer Designations Secondary Aquifer - Undifferentiated  Superficial Aquifer Designations Secondary Aquifer - Undifferentiated  Superficial Aquifer Designations Secondary Aquifer - A  Superficial Aquifer Designations Secondary Aquifer - Undifferentiated Secondary Aquifer - Undifferentiated Secondary Aquifer - Undifferentiated Secondary Aquifer Designation: Se			<₩U70				
Trickness: Superficial Low Recharge:  Groundwater Vulnerability - Soluble Rock Risk None  Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated  N) 0 3  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated  N) 0 3  Superficial Aquifer Designation: Secondary Aquifer - A  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Superficial Aquifer Designation: Secondary Accuracy: A Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Biose 0  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Superficial Aquifer Designation Supplied  Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Supplied  Extreme Flooding from Rivers or Sea without Defences Supundary Accuracy: A Supplied  Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Subundary Accuracy: A Supplied  Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Supplied  Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Supplied  Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models			<3m				
Recharge:  Groundwater Vulnerability - Soluble Rock Risk None  Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated  (N) 0 3  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated  (N) 0 3  Superficial Aquifer Designation: Secondary Aquifer - A  Benne 0 3  Superficial Aquifer Designation: Secondary Aquifer - A  Benne 0 3  Superficial Aquifer Designation: Secondary Aquifer - A  Benne 0 3  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A  Busperficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  Busperficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  Busperficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  Busperficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  Busperficial Aquifer Designation: Secondary Aquifer - Undifferentiated  Buspe							
Groundwater Vulnerability - Soluble Rock Risk None  Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  B10NW (S)  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  (N)  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated  Aquifer Designation: Secondary Aquifer - A  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  B10NW (S)  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  B10NW (S)  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  B15SE (E)  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  B15SE (E)  Superficial Aquifer Designation Secondary Aquifer - Undifferentiated  B15SE (E)  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences B0condary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models B0condary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events B0condary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events B0condary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events B0condary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models B0condary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial			Low				
None   Bedrock Aquifer Designations   Aquifer - Undifferentiated   B10NW (S)   Superficial Aquifer Designations   Aquifer Designations   Aquifer Designations   Superficial Aquifer Designations   Superficial Aquifer Designations   Aquifer Designation   B15SE   0   3      Extreme Flooding from Rivers or Sea without Defences   B6SW   O   2		Recharge:					
Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated  (N) 0 3  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated  (N) 0 3  Superficial Aquifer Designation: Secondary Aquifer - A  Bene (SE)  Superficial Aquifer Designation: Secondary Aquifer - A  Bene (SE)  Superficial Aquifer Designation: Secondary Aquifer - A  Biase (SE)  Superficial Aquifer Designation: Secondary Aquifer - A  Biase (SE)  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated  Binnw (N)  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated  Binnw (S)  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated  Bisse (SE)  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated  Bisse (SE)  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated  Bisse (SE)  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated  Bisse (SE)  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated  Bisse (SE)  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated  Bisse (SE)  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated  Bisse (SE)  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated  Bisse (SE)  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated  Bisse (SE)  Superficial Aquifer Designation: Secondary Aquifer - A  Biase (SE)  Superficial Aquifer Designation: Secondary Aquifer - A  Biase (SE)  Superficial Aquifer Designation: Secondary Aquifer - A  Biase (SE)  Superficial Aquifer Designation: Secondary Aquifer - A  Biase (SE)  Superficial Aquifer Designation: Secondary Aquifer - A  Biase (SE)  Superficial Aquifer Designation: Secondary Aquifer - A  Biase (SE)  Superficial Aquifer Designation: Secondary Aquifer - A  Biase (SE)  Superficial Aquifer Designation: Secondary Aquifer - A  Biase (SE)  Superficial Aquifer Designation: Secondary Aquifer - A  Biase (SE)  Super		Groundwater Vulne	rability - Soluble Rock Risk				
Aquifer Designation: Secondary Aquifer - Undifferentiated  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  (N) 0 3  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A B6NE (SE)  Superficial Aquifer Designation: Secondary Aquifer - A B6NE (SE)  Superficial Aquifer Designation: Secondary Aquifer - A B6NE (N)  Superficial Aquifer Designation: Secondary Aquifer - A B14SE (N)  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated B10NW (SS)  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated B10NW (SS)  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated B15SE (SS)  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated B15SE (SS)  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated B15SE (SS)  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated B15SE (SS)  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated B15SE (SS)  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated B15SE (SS)  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated B15SE (SS)  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated B15SE (SS)  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated B15SE (SS)  Superficial Aquifer Designation: Secondary Aquifer - A (SS)  Extreme Flooding from Rivers or Sea without Defences B15SE (SS)  Superficial Aquifer Designation: Secondary Aquifer - A (SS)  Extreme Flooding from Rivers or Sea without Defences B10SE (SE)  Extreme Flooding from Rivers or Sea without Defences B10SE (SS)  Extreme Flooding from Rivers or Sea without Defences B10SE (SS)  Extreme Flooding from Rivers or Sea without Defences B10SE (SS)  Extreme Flooding from Rivers or Sea without Defences B10SE (SS)  Extreme Flooding from Rivers or Sea without Defences B10SE (SS)  Extreme Flooding from Rivers or Sea without Defences B10SE (SS)		None					
Aquifer Designation: Secondary Aquifer - Undifferentiated  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  (N) 0 3  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A B6NE (SE)  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A B6NE (SE)  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A B14SE (N)  Superficial Aquifer Designation: Secondary Aquifer - A B14SE (N)  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated B10NW (S)  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated B10NW (S)  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated B15SE (E)  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences B6SW (S)  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Flood Plain Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea w		Redrock Aquifer De	signations				
Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A  Benne (SE)  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A  Benne (SE)  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A  Bulder Designation: Secondary Aquifer - Undifferentiated  Bulder Designation: Secondary Aguifer - Undifferentiated Designation: Secondary Aguifer - Undifferentiated Designation: Secondary Agu		•	_		0	3	492151
Aquifer Designation: Secondary Aquifer - Undifferentiated (N) 0 3  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A B6NE (SE) 0 3  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A B14SE 0 3  Aquifer Designation: Secondary Aquifer - A B14SE 0 3  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated B10NW 0 3  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated (S) (S) 0 3  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated (S) (S) 0 3  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated (S) (S) 0 3  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated (S) (S) 0 3  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated (S) (S) 0 3  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated (S) (S) 0 3  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated (S) 0 3  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated (S) 0 3  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated (S) 0 3  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated (S) 0 3  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated (S) 0 3  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated (S) 0 3  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated (S) 0 3  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated (S) 0 3  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated (S) 0 3  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated (S) 0 3  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated (S) 0 3  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated (S) 0 3  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated (S) 0 3  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated (S) 0 3				(S)			381559
Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A  Superficial Aquifer Designation: Secondary Aquifer - A  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated  B10NW  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated  B10NW  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated  B15SE  Superficial Aquifer Designation: Secondary Aquifer - A  Superficial Aquifer Designation: Secondary Aquifer - Designation: Secondary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme			_	4.0	_	_	
Aquifer Designation: Secondary Aquifer - A  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A  B14SE (N)  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  B10NW (S)  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  B10NW (S)  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  B15SE (E)  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences B6SW (S)  Extreme Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences B10SE (SE)  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Ri		Aquifer Designation:	Secondary Aquifer - Undifferentiated	(N)	0	3	491959 382495
Aquifer Designation: Secondary Aquifer - A  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A  B14SE (N)  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  B10NW (S)  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  B10NW (S)  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  B15SE (E)  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences B6SW (S)  Extreme Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences B10SE (SE)  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Ri		Superficial Aquifor	Designations				302433
Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  B10NW O 3  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated  B10NW O 3  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated  B15SE O 3  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences B0undary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences B10SE Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Flood Plain Type: Flovial Models  Extent of Extreme Flooding from Rivers or Sea without Defences Type: Flood Plain Type: Flovial Models  Extent of Extreme Flooding from Rivers or Sea without Defences Type: Flood Plain Type: Flovial Models			_	DENE		2	492405
Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  B10NW 0 3  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  B10NW 0 3  Superficial Aquifer Designation: Secondary Aquifer - Undifferentiated  B15SE 0 3  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences B6SW 0 2  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Ty		Aquilei Designation.	Secondary Aquiler - A	-	0	3	381031
Aquifer Designation: Secondary Aquifer - A  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  B10NW (S)  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  B10NW (S)  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  B15SE (E)  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Pluvial Events Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models  Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defence		Superficial Aquifer	Designations	(02)			00.00
Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  B10NW 0 3  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  B15SE 0 3  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences B6SW 0 2  Extreme Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences B6SW 0 2  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences			<del>-</del>	B1/19E	_	2	492298
Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  Superficial Aquifer Designations Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  B15SE (E)  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences B10SE Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models		Aquilei Designation.	Secondary Aquiler - A	_		3	381951
Aquifer Designation: Secondary Aquifer - Undifferentiated  Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  B15SE (E)  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models		Superficial Aquifer	Designations	(-1)			
Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Flood Plain Type: Fluvial Models			_	B10NW	0	3	492151
Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models  Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Flood Plain Type: Fluvial Models		Aquilor Besignation.	Occordany Aquirer Original Continued				381559
Aquifer Designation: Secondary Aquifer - Undifferentiated  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Flood Plain Type: Fluvial Models Flood Plain Type: Fluvial Models  Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Flood Plain Type: Fluvial Models		Superficial Aquifer	Designations	\-/			
Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models			<u> </u>	B15SE	0	3	493121
Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models		qu Doorgilation.					381885
Type: Extent of Extreme Flooding from Rivers or Sea without Defences Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models  Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models  Flood Plain Type: Fluvial Models  Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models		Extreme Flooding f	rom Rivers or Sea without Defences	, ,			
Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Flood Plain Type: Fluvial Models  Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models		_		B6SW	0	2	491975
Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences  Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences  Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences  Extreme Flooding from Rivers or Sea without Defences  Type: Extent of Extreme Flooding from Rivers or Sea without Defences  Type: Extent of Extreme Flooding from Rivers or Sea without Defences  Flood Plain Type: Fluvial Models  Extreme Flooding from Rivers or Sea without Defences  Flood Plain Type: Fluvial Models  (W)		Flood Plain Type:	Fluvial Events				380660
Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Flood Plain Type: Fluvial Models Flood Plain Type: Fluvial Models			As Supplied				
Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Flood Plain Type: Fluvial Models  Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models		Extreme Flooding f	rom Rivers or Sea without Defences				
Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models  (SE)  B6SW 0 2 (S)  B7  Extreme Flooding from Rivers or Sea without Defences  Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models		_		B10SF	0	2	492400
Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences  Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences  Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models  Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models  (W)		Flood Plain Type:	Fluvial Models			_	381065
Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences  Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models  Type: Fluvial Models  B6SW (S)  (S)  2  2  4  5  6  6  7  7  8  8  8  8  8  9  9  9  9  9  9  9  9		Boundary Accuracy:	As Supplied				<u> </u>
Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences  Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models  Type: Fluvial Models  B6SW (S)  (S)  2  2  4  5  6  6  7  7  8  8  8  8  8  9  9  9  9  9  9  9  9		Extreme Flooding f	rom Rivers or Sea without Defences				
Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences  Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models  (W)		_		B6SW	0	2	492073
Boundary Accuracy: As Supplied  Extreme Flooding from Rivers or Sea without Defences  Type: Extent of Extreme Flooding from Rivers or Sea without Defences B9NE 0 2 Flood Plain Type: Fluvial Models (W)		Flood Plain Type:	Fluvial Models and Fluvial Events			_	380693
Type: Extent of Extreme Flooding from Rivers or Sea without Defences B9NE 0 2 Flood Plain Type: Fluvial Models (W)		Boundary Accuracy:	As Supplied				
Type: Extent of Extreme Flooding from Rivers or Sea without Defences B9NE 0 2 Flood Plain Type: Fluvial Models (W)		Extreme Flooding f	rom Rivers or Sea without Defences				
Flood Plain Type: Fluvial Models (W)		_		BONE	0	2	491725
		Flood Plain Type:	Fluvial Models			_	381550
		Boundary Accuracy:	As Supplied	, ,			
Extreme Flooding from Rivers or Sea without Defences		Extreme Flooding f	rom Rivers or Sea without Defences				
Type: Extent of Extreme Flooding from Rivers or Sea without Defences B5SE 5 2		_		B5SE	5	2	491810
Flood Plain Type: Fluvial Events (S)							380678



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Type: Extent of Extreme Flood Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	out Defences ling from Rivers or Sea without Defences	B9NW (W)	13	2	491461 381558
	Extreme Flooding from Rivers or Sea without	out Defences ding from Rivers or Sea without Defences	B5SE (S)	51	2	491803 380602
	Extreme Flooding from Rivers or Sea without Type: Extent of Extreme Flood Flood Plain Type: Fluvial Models and Fluv As Supplied	ling from Rivers or Sea without Defences	B5SE (S)	119	2	491902 380532
	Flooding from Rivers or Sea without Defen Type: Extent of Flooding from Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	ces Rivers or Sea without Defences	B10SE (SE)	0	2	492400 381065
	Flooding from Rivers or Sea without Defen Type: Extent of Flooding from Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	ces Rivers or Sea without Defences	B9NE (W)	0	2	491670 381580
	Areas Benefiting from Flood Defences None					
	Flood Water Storage Areas None					
	Flood Defences Type: Flood Defences Reference: Not Supplied		B6SW (S)	16	2	492070 380633
	Flood Defences		(3)			300033
	Type: Flood Defences Reference: Not Supplied		B6SW (S)	17	2	492088 380632
3	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 445.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1		B14NW (N)	0	4	492026 382261
4	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 136.4  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1		B14NW (N)	0	4	492035 382263
5	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 292.8  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1		B14NW (N)	0	4	492164 382304
6	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 69.6  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1		B15SW (NE)	0	4	492908 381878
7	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 514.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1		B15SE (E)	0	4	492978 381880



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B14NW (N)	0	4	492164 382304
9	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 251.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B16NW (NE)	0	4	493297 382162
10	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B16NW (NE)	0	4	493297 382162
11	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 1078.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B10NE (E)	0	4	492371 381553
12	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 1426.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B9NE (W)	0	4	491795 381414
13	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 257.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B9NW (W)	0	4	491469 381672
14	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 9.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B14NW (N)	1	4	492026 382261
15	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 13.5  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B15SE (E)	3	4	492979 381867
16	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 139.3  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B15SE (E)	3	4	492978 381880



Page 12 of 25

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B16NW (NE)	3	4	493300 382161
18	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 233.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B9NE (W)	3	4	491684 381650
19	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B13NE (NW)	4	4	491581 382218
20	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B10SE (SE)	4	4	492402 381044
21	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 521.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B16NW (NE)	9	4	493306 382161
22	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 789.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B13NW (NW)	10	4	491572 382121
23	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 1299.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B6SW (S)	11	4	492082 380637
24	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 15.8  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B9NW (W)	12	4	491451 381651
25	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 116.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B9NW (W)	13	4	491460 381537



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 556.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B11SW (E)	16	4	492890 381366
27	OS Water Network Lines  Watercourse Form: Inland river  Watercourse Length: 325.2  Watercourse Level: On ground surface Permanent: True  Watercourse Name: Not Supplied  Catchment Name: Witham  Primacy: 2	B9NW (W)	17	4	491448 381665
28	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 7.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B10SE (SE)	135	4	492463 381064
29	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 493.0  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B10SE (SE)	142	4	492471 381066
30	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 274.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B5SE (S)	175	4	491914 380477





Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority La	ndfill Coverage				
	Name:	West Lindsey District Council - Has no landfill data to supply		0	5	492151 381559
	Local Authority La	ndfill Coverage				
	Name:	Lincolnshire County Council - Had landfill data but passed it to the relevant environment agency		0	6	492151 381559
	Potentially Infilled	Land (Water)				
31	Use: Date of Mapping:	Unknown Filled Ground (Pond, marsh, river, stream, dock etc) 1956	B9SW (SW)	0	-	491513 381085
	Potentially Infilled	Land (Water)				
32	Use: Date of Mapping:	Unknown Filled Ground (Pond, marsh, river, stream, dock etc) 1956	B5NW (SW)	22	-	491352 380744
	Potentially Infilled	Land (Water)				
33	Use: Date of Mapping:	Unknown Filled Ground (Pond, marsh, river, stream, dock etc) 1956	B5NW (SW)	32	-	491250 380731
	Potentially Infilled	Land (Water)				
34	Use: Date of Mapping:	Unknown Filled Ground (Pond, marsh, river, stream, dock etc) 1956	B5NW (SW)	63	-	491410 380710
	Potentially Infilled	Land (Water)				
35	Use: Date of Mapping:	Unknown Filled Ground (Pond, marsh, river, stream, dock etc) 1956	B5SW (SW)	212	-	491327 380548





Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid	<del></del>	DAGNIM			400454
	Description:	Lias Group	B10NW (S)	0	1	492151 381559
	BGS Estimated Soil Source: Soil Sample Type: Arsenic	Chemistry British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg	B6NW (S)	0	1	492151 381000
	Concentration: Cadmium Concentration: Chromium	<1.8 mg/kg 60 - 90 mg/kg				
	Concentration: Lead Concentration: Nickel Concentration:					
	BGS Estimated Soil	Chemistry				
	Source: Soil Sample Type: Arsenic Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg	B14NE (N)	0	1	492400 382278
	Cadmium Concentration:	<1.8 mg/kg				
	Chromium Concentration: Lead Concentration:	90 - 120 mg/kg <100 mg/kg				
	Nickel Concentration:	30 - 45 mg/kg				
	BGS Estimated Soil Source:	Chemistry British Geological Survey, National Geoscience Information Service	B10NW	0	1	492151
	Soil Sample Type: Arsenic Concentration:	Rural Soil <15 mg/kg	(S)		'	381559
	Cadmium Concentration:	<1.8 mg/kg				
	Chromium Concentration:	60 - 90 mg/kg				
	Lead Concentration: Nickel Concentration:	<100 mg/kg 15 - 30 mg/kg				
	BGS Estimated Soil	•				
	Source: Soil Sample Type: Arsenic	British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg	B10SE (SE)	0	1	492550 381199
	Concentration: Cadmium Concentration:	<1.8 mg/kg				
	Chromium Concentration:	90 - 120 mg/kg				
	Lead Concentration: Nickel Concentration:	<100 mg/kg 15 - 30 mg/kg				
	BGS Estimated Soil	•				
	Source: Soil Sample Type: Arsenic	British Geological Survey, National Geoscience Information Service Rural Soil <15 mg/kg	B15SE (E)	0	1	493121 381885
	Concentration: Cadmium Concentration:	<1.8 mg/kg				
	Chromium Concentration: Lead Concentration:	60 - 90 mg/kg				
	Nickel Concentration:	15 - 30 mg/kg				
	BGS Estimated Soil	Chemistry				
	Source: Soil Sample Type: Arsenic	British Geological Survey, National Geoscience Information Service Rural Soil <15 mg/kg	B9NW (W)	0	1	491255 381675
	Concentration: Cadmium Concentration:	<1.8 mg/kg				
	Chromium Concentration:	90 - 120 mg/kg				
	Lead Concentration: Nickel Concentration:	<100 mg/kg 15 - 30 mg/kg				





Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil	Chemistry				
	Source: Soil Sample Type: Arsenic	British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg	B6NE (SE)	93	1	492482 381000
	Concentration: Cadmium Concentration:	<1.8 mg/kg				
	Chromium Concentration:	60 - 90 mg/kg				
	Lead Concentration: Nickel Concentration:	<100 mg/kg 15 - 30 mg/kg				
	BGS Measured Urba	an Soil Chemistry				
	No data available					
	BGS Urban Soil Che	emistry Averages				
	Coal Mining Affecte	d Areas				
	In an area that might	not be affected by coal mining				
	Non Coal Mining Ar	eas of Great Britain				
	Potential for Collan	sible Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	B14SE (N)	0	1	492298 381951
	Potential for Collan	sible Ground Stability Hazards	. ,			
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	B6NE (SE)	0	1	492405 381031
	Potential for Collap	sible Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	B10NW (S)	0	1	492151 381559
	Potential for Compr	ressible Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	B10NW (S)	0	1	492151 381559
	Potential for Compr	ressible Ground Stability Hazards				
	Hazard Potential: Source:	Moderate British Geological Survey, National Geoscience Information Service	B14SE (N)	0	1	492298 381951
	Potential for Compr	ressible Ground Stability Hazards				
	Hazard Potential: Source:	Moderate British Geological Survey, National Geoscience Information Service	B6NE (SE)	0	1	492405 381031
	Potential for Ground Hazard Potential:	d Dissolution Stability Hazards No Hazard	B10NW	0	1	492151
	Source:	British Geological Survey, National Geoscience Information Service	(S)			381559
	Potential for Landsl Hazard Potential:	lide Ground Stability Hazards Very Low	B10NW	0	1	492151
	Source:	British Geological Survey, National Geoscience Information Service	(S)			381559
	Hazard Potential:	ng Sand Ground Stability Hazards  Very Low	B15SE	0	1	493121
	Source:	British Geological Survey, National Geoscience Information Service	(E)			381885
		ng Sand Ground Stability Hazards	(NI)	0	4	404050
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	(N)	0	1	491959 382495
	Potential for Runnin	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	B10SE (SE)	0	1	492550 381199
		ng Sand Ground Stability Hazards	, ,			
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	B9NW (W)	0	1	491255 381675
	Potential for Runnin	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	B10NW (S)	0	1	492151 381559
	Potential for Runnin	ng Sand Ground Stability Hazards	-			
	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	B14SE (N)	0	1	492298 381951



# **Geological**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Runni	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	B6NE (SE)	0	1	492405 381031
	Potential for Runni	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	B10SE (SE)	93	1	492565 381101
	Potential for Shrink	ing or Swelling Clay Ground Stability Hazards				
	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	B10NW (S)	0	1	492151 381559
	Radon Potential - R	adon Affected Areas				
	Affected Area: Source:	The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level).  British Geological Survey, National Geoscience Information Service	B10NW (S)	0	1	492151 381559
	Radon Potential - R	adon Protection Measures				
	Protection Measure: Source:	No radon protective measures are necessary in the construction of new dwellings or extensions British Geological Survey, National Geoscience Information Service	B10NW (S)	0	1	492151 381559



# **Sensitive Land Use**

Map		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Nitrate Vulneral	ole Zones				
36	Name: Description: Source:	Lower Witham Nvz Surface Water Environment Agency, Head Office	B10NW (S)	0	3	492151 381559



		_
Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Environment Agency - Head Office	June 2020	Annually
West Lindsey District Council - Environmental Health Department	September 2017	Annual Rolling Update
Discharge Consents	1.1.0004	
Environment Agency - Anglian Region	July 2021	Quarterly
Enforcement and Prohibition Notices Environment Agency - Anglian Region	March 2013	
	Water 2013	
Integrated Pollution Controls Environment Agency - Anglian Region	January 2009	
Integrated Pollution Prevention And Control	Sandary 2003	
Environment Agency - Anglian Region	July 2021	Quarterly
Local Authority Integrated Pollution Prevention And Control	ouly 2021	Quartony
West Lindsey District Council - Environmental Health Department	November 2014	Variable
Local Authority Pollution Prevention and Controls		7 4.142.10
West Lindsey District Council - Environmental Health Department	November 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		3 2 7 2 2 2
West Lindsey District Council - Environmental Health Department	November 2014	Variable
Nearest Surface Water Feature		
Ordnance Survey	August 2021	
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	Annually
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	April 2012	Annually
River Quality Chemistry Sampling Points		
Environment Agency - Head Office	April 2012	Annually
Substantiated Pollution Incident Register		
Environment Agency - Anglian Region - Northern Area	July 2021	Quarterly
Water Abstractions		
Environment Agency - Anglian Region	July 2021	Quarterly
Water Industry Act Referrals		
Environment Agency - Anglian Region	October 2017	Quarterly
Groundwater Vulnerability Map		
Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations		
Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations	1 0040	A
Environment Agency - Head Office	January 2018	Annually
Source Protection Zones	Mar: 0004	D: A
Environment Agency - Head Office	May 2021	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences	Contamb == 000d	Outputs -livi
Environment Agency - Head Office	September 2021	Quarterly
Flooding from Rivers or Sea without Defences	Contamb == 000d	Output and the
Environment Agency - Head Office	September 2021	Quarterly



Agency & Hydrological	Version	Update Cycle
Areas Benefiting from Flood Defences		
Environment Agency - Head Office	September 2021	Quarterly
Flood Water Storage Areas		
Environment Agency - Head Office	September 2021	Quarterly
Flood Defences		
Environment Agency - Head Office	September 2021	Quarterly
OS Water Network Lines		
Ordnance Survey	July 2021	Quarterly
Surface Water 1 in 30 year Flood Extent		
Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent		
Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent		
Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability		
Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility		
British Geological Survey - National Geoscience Information Service	May 2013	Annually
Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	November 2002	Not Applicable
Historical Landfill Sites		
Environment Agency - Head Office	May 2021	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - Anglian Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - Anglian Region - Northern Area	July 2021	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - Anglian Region - Northern Area	July 2021	Quarterly
Local Authority Landfill Coverage		
Lincolnshire County Council	February 2003	Not Applicable
West Lindsey District Council - Environmental Health Department	February 2003	Not Applicable
Local Authority Recorded Landfill Sites		
Lincolnshire County Council	October 2018	
West Lindsey District Council - Environmental Health Department	October 2018	
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water)		
Landmark Information Group Limited	December 1999	
Registered Landfill Sites		
Environment Agency - Anglian Region - Northern Area	March 2006	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - Anglian Region - Northern Area	April 2018	
Registered Waste Treatment or Disposal Sites		
- ·		1



Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)	A 11 0040	5: 4 "
Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS)	Water 2017	7 till daily
Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements		
Lincolnshire County Council - Highways and Planning Department	August 2010	Variable
West Lindsey District Council	February 2016	Variable
Planning Hazardous Substance Consents		
Lincolnshire County Council - Highways and Planning Department	August 2007	Variable
West Lindsey District Council	February 2016	Variable
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology		
British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	Annually
BGS Recorded Mineral Sites	Becomber 2010	7 timacily
British Geological Survey - National Geoscience Information Service	May 2021	Bi-Annually
CBSCB Compensation District	,	,
Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	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	Annually
Potential for Compressible Ground Stability Hazards	April 2020	Armany
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards	,	,
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas		
British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures	July 2011	Annually



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



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

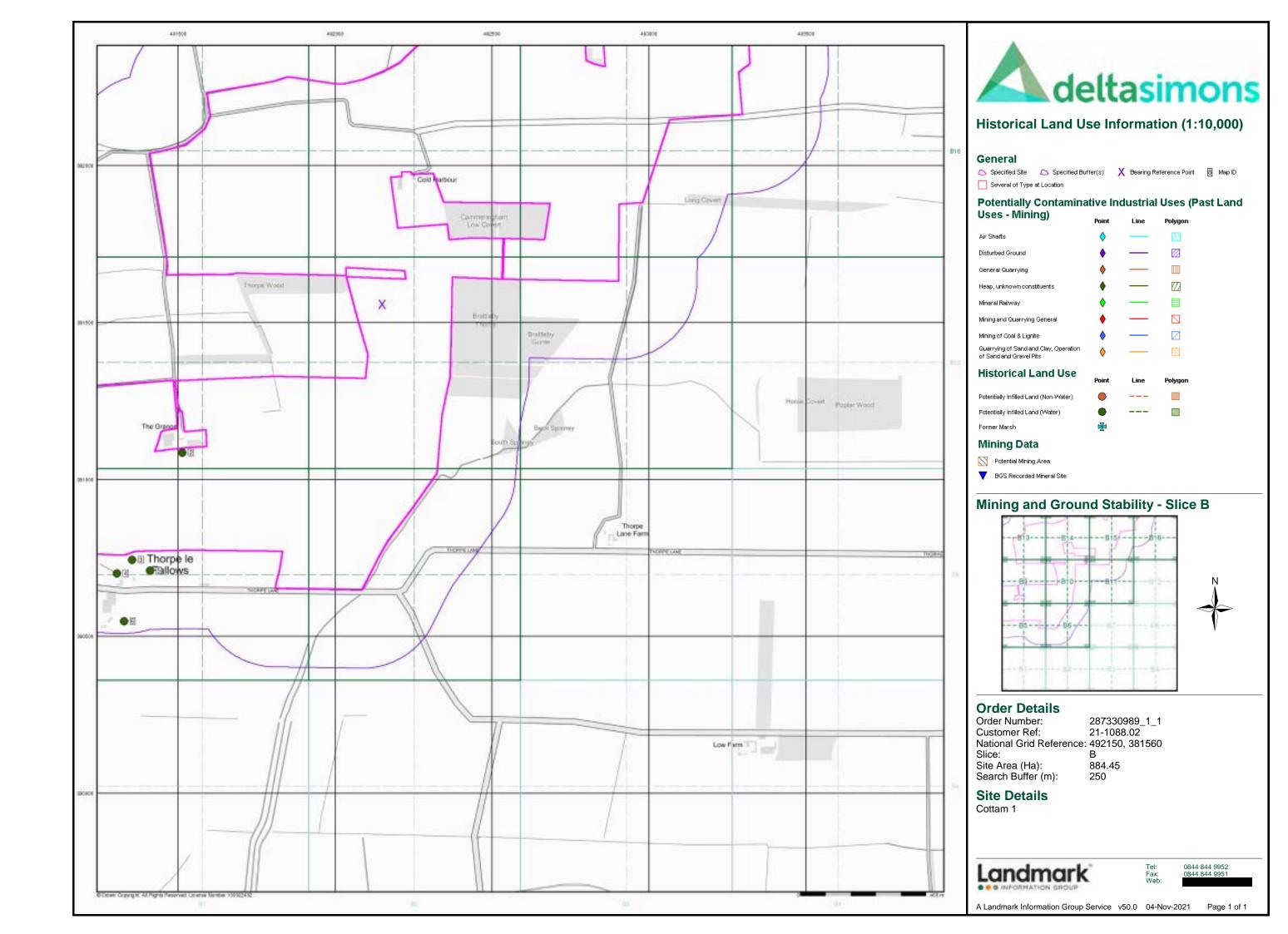
Data Supplier	Data Supplier Logo
Ordnance Survey	Map data
Environment Agency	Environment Agency
Scottish Environment Protection Agency	SEPA
The Coal Authority	The Coal Authority
British Geological Survey	British Geological Survey HATURAL ENVIRONMENT REMARCH COUNCIL
Centre for Ecology and Hydrology	Centre for Ecology & Hydrology
Natural Resources Wales	Cyloeth Naturiol Office Matural Resources Walks
Scottish Natural Heritage	SCOTTISH NATURAL HERITAGE WAN
Natural England	BNG.AND
Public Health England	Public Health England
Ove Arup	ARUP
Stantec UK Ltd	<b>Stantec</b>

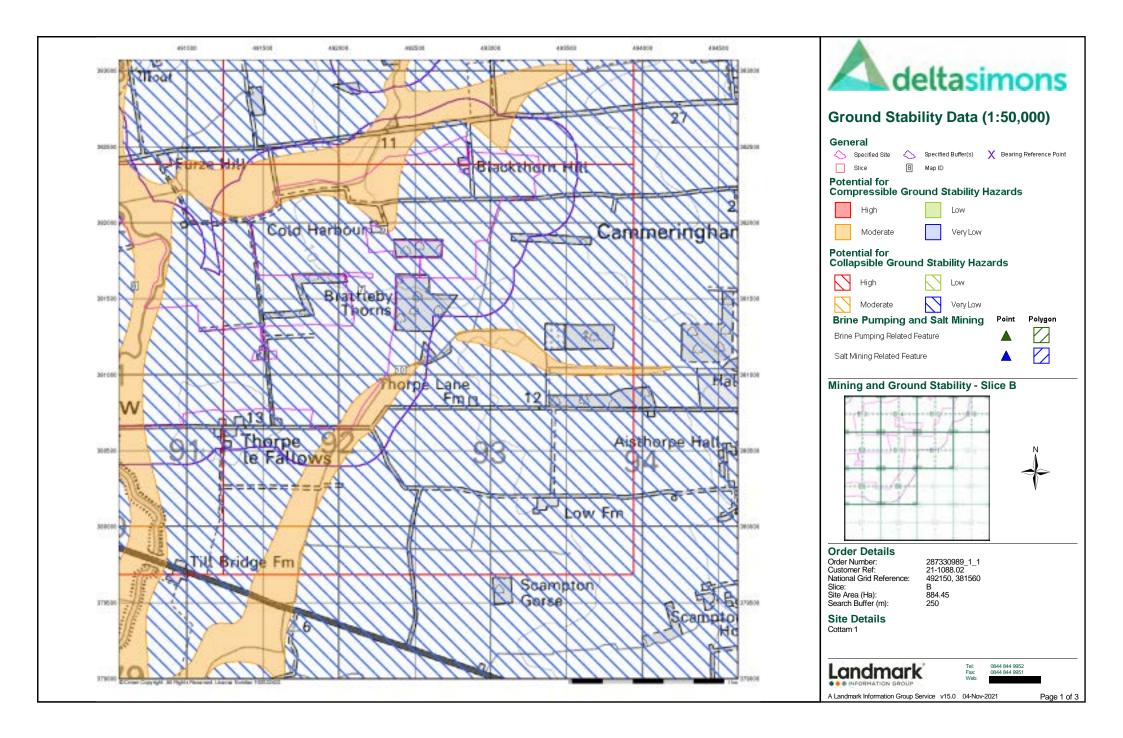


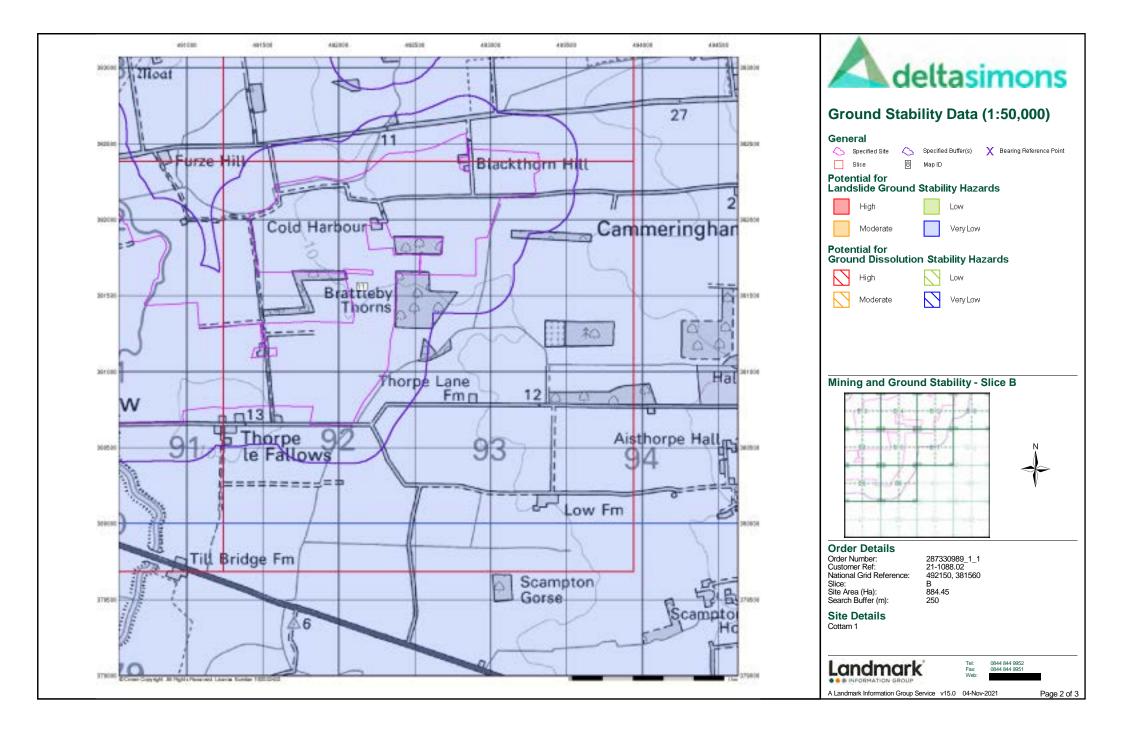
## **Useful Contacts**

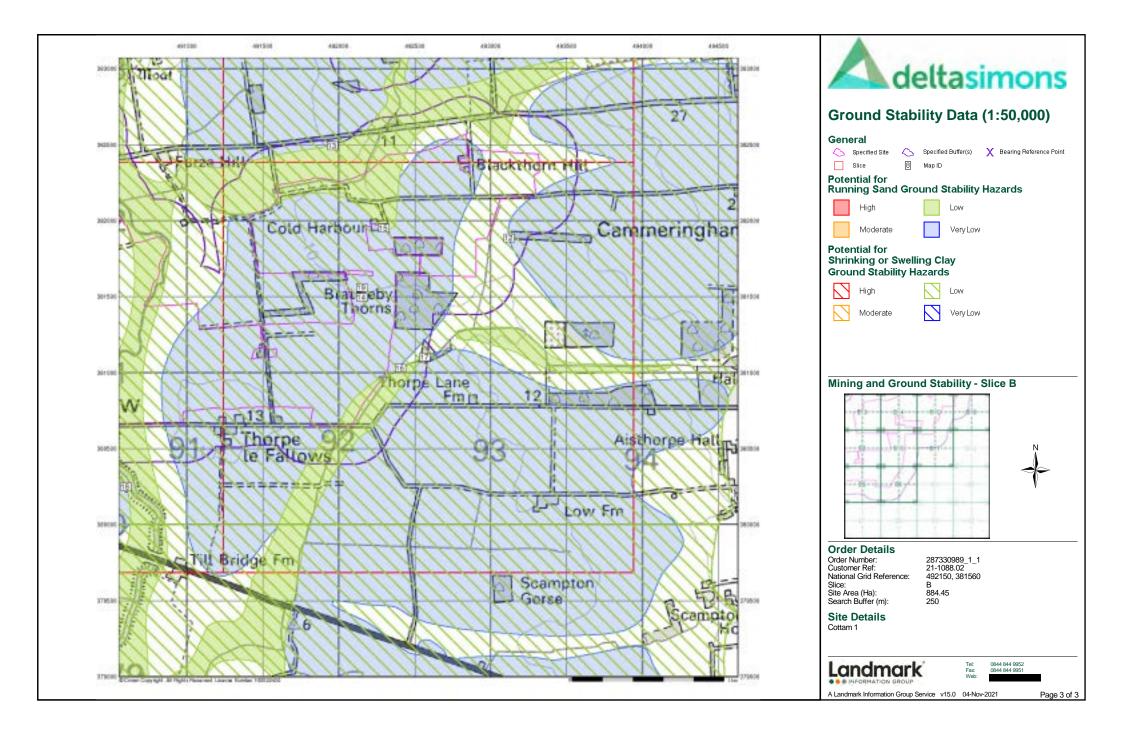
Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service  British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website:
2	Environment Agency - National 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	West Lindsey District Council - Environmental Health Department The Guildhall, Caskgate Street, Gainsborough, Lincolnshire, DN21 2DH	Telephone: 01427 676676 Fax: 01427 810623 Website: www.west-lindsey.gov.uk
6	Lincolnshire County Council 4th Floor, City Hall, Lincoln, Lincolnshire, LN1 1DN	Telephone: 01522 552222 Fax: 01522 552288 Email: PublicRelations@lincolnshire.gov.uk Website: www.lincolnshire.gov.uk
7	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website:
-	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:
-	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:

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











# **Envirocheck® Report:**

# Mining and Ground Stability Datasheet

#### **Order Details:**

**Order Number:** 

287330989\_1\_1

**Customer Reference:** 

21-1088.02

**National Grid Reference:** 

492150, 381560

Slice:

R

Site Area (Ha):

884.45

Search Buffer (m):

250

### **Site Details:**

Cottam 1

#### **Client Details:**

Mr A Howells
Delta Simons
3 Henley Office Park
Doddington Road
Lincoln
LN6 3QR







Report Section and Details	Page Number
Summary	-
TI 0	

The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected.

For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).

#### **Mining and Natural Cavities Data**

-

The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities.

Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.

#### Historical Land Use Information (1:2,500)

1

The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative.

For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.

#### **Historical Land Use Information (1:10,000)**

2

The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses.

For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.

#### Ground Stability Data (1:50,000)

3

The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.

### Historical Map List 5

The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.

Data Currency	7
Data Suppliers	8
Useful Contacts	9

#### Copyright Notice

© Landmark Information Group Limited 2021. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, and the Environment Agency/Natural Resources Wales, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer. A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report.

© Copyright Stantec UK Limited. All rights reserved.

The brine subsidence data relating to the Driotwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

#### Report Version v53.0





Data Type	Page Number	On Site	0 to 250m
Mining and Natural Cavities Data			
BGS Recorded Mineral Sites			
Coal Mining Affected Areas			n/a
Man Made Mining Cavities			
Mining Instability			n/a
Natural Cavities			
Non Coal Mining Areas of Great Britain			
Potential Mining Areas			
Historical Land Use Information (1:2,500)			
Extractive Industries or Potential Excavations from 1855-1909 (100m)			
Extractive Industries or Potential Excavations from 1893-1915 (100m)			
Extractive Industries or Potential Excavations from 1906-1937 (100m)			
Extractive Industries or Potential Excavations from 1924-1949 (100m)			
Extractive Industries or Potential Excavations from 1950-1980 (100m)	pg 1		1
Subterranean Features (100m)			
Historical Land Use Information (1:10,000)			
Air Shafts			
Disturbed Ground			
General Quarrying			
Heap, unknown constituents			
Mineral Railway			
Mining & quarrying general			
Mining of coal & lignite			
Quarrying of sand & clay, operation of sand & gravel pits			
Former Marshes			
Potentially Infilled Land (Non-Water)			
Potentially Infilled Land (Water)	pg 2	1	4
Ground Stability Data (1:50,000)			
CBSCB Compensation District			n/a
Brine Pumping Related Features			
Brine Subsidence Solution Area			
Potential for Collapsible Ground Stability Hazards	pg 3	Yes	
Potential for Compressible Ground Stability Hazards	pg 3	Yes	
Potential for Ground Dissolution Stability Hazards	pg 3	Yes	
Potential for Landslide Ground Stability Hazards	pg 3	Yes	
Potential for Running Sand Ground Stability Hazards	pg 3	Yes	Yes
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 4	Yes	
Salt Mining Related Features			





Report Version v53.0



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extractive Industries or Potential Excavations from 1950-1980				
1	Use: Pond First Map Published 1974 Date: Last Map Published N/A Date:	B5NW (SW)	9	-	491255 380753

rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Order Number: 287330989\_1\_1 Date: 04-Nov-2021 Page 1 of 9



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potentially Infilled	Land (Water)				
2	Use: Date of Mapping:	Unknown Filled Ground (Pond, marsh, river, stream, dock etc) 1956	B9SW (SW)	0	-	491513 381085
	Potentially Infilled Land (Water)					
3	Use: Date of Mapping:	Unknown Filled Ground (Pond, marsh, river, stream, dock etc) 1956	B5NW (SW)	22	-	491352 380744
	Potentially Infilled Land (Water)					
4	Use: Date of Mapping:	Unknown Filled Ground (Pond, marsh, river, stream, dock etc) 1956	B5NW (SW)	32	-	491250 380731
	Potentially Infilled	Land (Water)				
5	Use: Date of Mapping:	Unknown Filled Ground (Pond, marsh, river, stream, dock etc) 1956	B5NW (SW)	63	-	491410 380710
Potentially Infilled Land (Water)						
6	Use: Date of Mapping:	Unknown Filled Ground (Pond, marsh, river, stream, dock etc) 1956	B5SW (SW)	212	-	491327 380548

rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Order Number: 287330989\_1\_1 Date: 04-Nov-2021 Page 2 of 9



# **Ground Stability Data (1:50,000)**

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District				
	The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area				
	The site does not fall within the brine subsidence solution area.				
_	Potential for Collapsible Ground Stability Hazards	DAGNIM			400454
7	Hazard Potential: Very Low   Source: British Geological Survey, National Geoscience Information Set	ervice B10NW	0	1	492151 381559
	Potential for Collapsible Ground Stability Hazards				
8	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Se	(W)	0	1	490658 381585
	Potential for Collapsible Ground Stability Hazards				301303
	Hazard Potential: Source: No Hazard British Geological Survey, National Geoscience Information Se	B14SE (N)	0	1	492298 381951
	Potential for Collapsible Ground Stability Hazards				
	Hazard Potential: No Hazard Source: No Hazard Survey, National Geoscience Information Se	B6NE (SE)	0	1	492405 381031
	Potential for Compressible Ground Stability Hazards				
9	Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Se	B14SE (N)	0	1	492298 381951
	Potential for Compressible Ground Stability Hazards	( )			
10	Hazard Potential: Moderate	B6NE	0	1	492405
	Source: British Geological Survey, National Geoscience Information Se	ervice (SE)			381031
	Potential for Compressible Ground Stability Hazards				
	Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Se	B10NW (S)	0	1	492151 381559
	Potential for Compressible Ground Stability Hazards	(5)			
	Hazard Potential: No Hazard	(W)	0	1	490658
	Source: British Geological Survey, National Geoscience Information Se	ervice			381585
	Potential for Ground Dissolution Stability Hazards				
	Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Se	ervice B10NW	0	1	492151 381559
	Potential for Landslide Ground Stability Hazards				
11	Hazard Potential: Very Low	B10NW	0	1	492151
	Source: British Geological Survey, National Geoscience Information Se	ervice (S)			381559
40	Potential for Running Sand Ground Stability Hazards	D4505			400404
12	Hazard Potential: Very Low   Source: British Geological Survey, National Geoscience Information Set	B15SE ervice (E)	0	1	493121 381885
	Potential for Running Sand Ground Stability Hazards				
13	Hazard Potential: Very Low	(N)	0	1	491959
	Source: British Geological Survey, National Geoscience Information Se	ervice			382495
	Potential for Running Sand Ground Stability Hazards	5.00.04			
14	Hazard Potential: Very Low   Source: British Geological Survey, National Geoscience Information Set	ervice B10NW	0	1	492151 381559
	Potential for Running Sand Ground Stability Hazards				
15	Hazard Potential: Low	B14SE	0	1	492298
	Source: British Geological Survey, National Geoscience Information Se	ervice (N)			381951
	Potential for Running Sand Ground Stability Hazards	5015			40040=
16	Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Se	B6NE ervice (SE)	0	1	492405 381031
	Potential for Running Sand Ground Stability Hazards				
17	Hazard Potential: Very Low	B10SE	93	1	492565
	Source: British Geological Survey, National Geoscience Information Se	ervice (SE)			381101
10	Potential for Running Sand Ground Stability Hazards	(0)//\	119	4	400400
18	Hazard Potential: Very Low   Source: Pritish Geological Survey, National Geoscience Information Set	ervice (SW)	119	1	490486 380488
	Potential for Running Sand Ground Stability Hazards				
	Hazard Potential: No Hazard	B10SE	0	1	492550
	Source: British Geological Survey, National Geoscience Information Se	ervice (SE)			381199
	Potential for Running Sand Ground Stability Hazards	DAD		4	400050
	Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Se	. (W)	0	1	490658 381585



# **Ground Stability Data (1:50,000)**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Runni	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	B9NW (W)	0	1	491255 381675
	Potential for Running Sand Ground Stability Hazards					
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	(NW)	216	1	490938 382319
	Potential for Shrinking or Swelling Clay Ground Stability Hazards					
19	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	B10NW (S)	0	1	492151 381559



# **Historical Map List**

### The following mapping has been analysed for Historical Land Use Information (1:2,500):

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	SK9181	1973
Ordnance Survey Plan	SK9181	1973
Ordnance Survey Plan	SK9181	1973
Ordnance Survey Plan	SK9181	1973
Ordnance Survey Plan	SK9181	1973
Ordnance Survey Plan	SK9181	1973
Ordnance Survey Plan	SK9280	1973
Ordnance Survey Plan	SK9180	1974
Ordnance Survey Plan	SK9180	1974
Ordnance Survey Plan	SK9182	1974
Ordnance Survey Plan	SK9182	1974
Ordnance Survey Plan	SK9281	1974
Ordnance Survey Plan	SK9281	1974
Ordnance Survey Plan	SK9281	1974
Ordnance Survey Plan	SK9281	1974
Ordnance Survey Plan	SK9281	1974
Ordnance Survey Plan	SK9282	1974
Ordnance Survey Plan	SK9282	1974
Ordnance Survey Plan	SK9381	1974
Ordnance Survey Plan	SK9381	1974
Ordnance Survey Plan	SK9381	1974
Ordnance Survey Plan	SK9382	1974
Ordnance Survey Plan	SK9382	1974



# **Historical Map List**

### The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Lincolnshire	051_SE	1890
Lincolnshire	060_NE	1890
Lincolnshire	052_SW	1891
Lincolnshire	061_NW	1891
Lincolnshire	051_SE	1907
Lincolnshire	052_SW	1907
Lincolnshire	060_NE	1907
Lincolnshire	061_NW	1907
Lincolnshire	051_SE	1947
Lincolnshire	060_NE	1947
Lincolnshire	061_NW	1947
Lincolnshire	052_SW	1948
Ordnance Survey Plan	SK97NW	1956
Ordnance Survey Plan	SK98SW	1956
1:10,000	Mapsheet	Published Date
Ordnance Survey Plan	SK97NW	1976
Ordnance Survey Plan	SK98SW	1979

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 6 of 9



# **Data Currency**

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites		
British Geological Survey - National Geoscience Information Service	May 2021	Bi-Annually
Coal Mining Affected Areas		
The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Man Made Mining Cavities		
Stantec UK Ltd	May 2021	Bi-Annually
Mining Instability		
Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities		
Stantec UK Ltd	May 2021	Bi-Annually
Non Coal Mining Areas of Great Britain		
British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	Version	Update Cycle
Subterranean Features		
Landmark Information Group Limited	February 2020	Bi-Annually
Ground Stability Data (1:50,000)	Version	Update Cycle
CBSCB Compensation District		
Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	As notified
Potential for Collapsible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	April 2020	Annually
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Brine Subsidence Solution Area Johnson Poole & Bloomer		
	December 2020	Annual Rolling Update

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 7 of 9



# **Data Suppliers**

A selection of organisations who provide data within this report

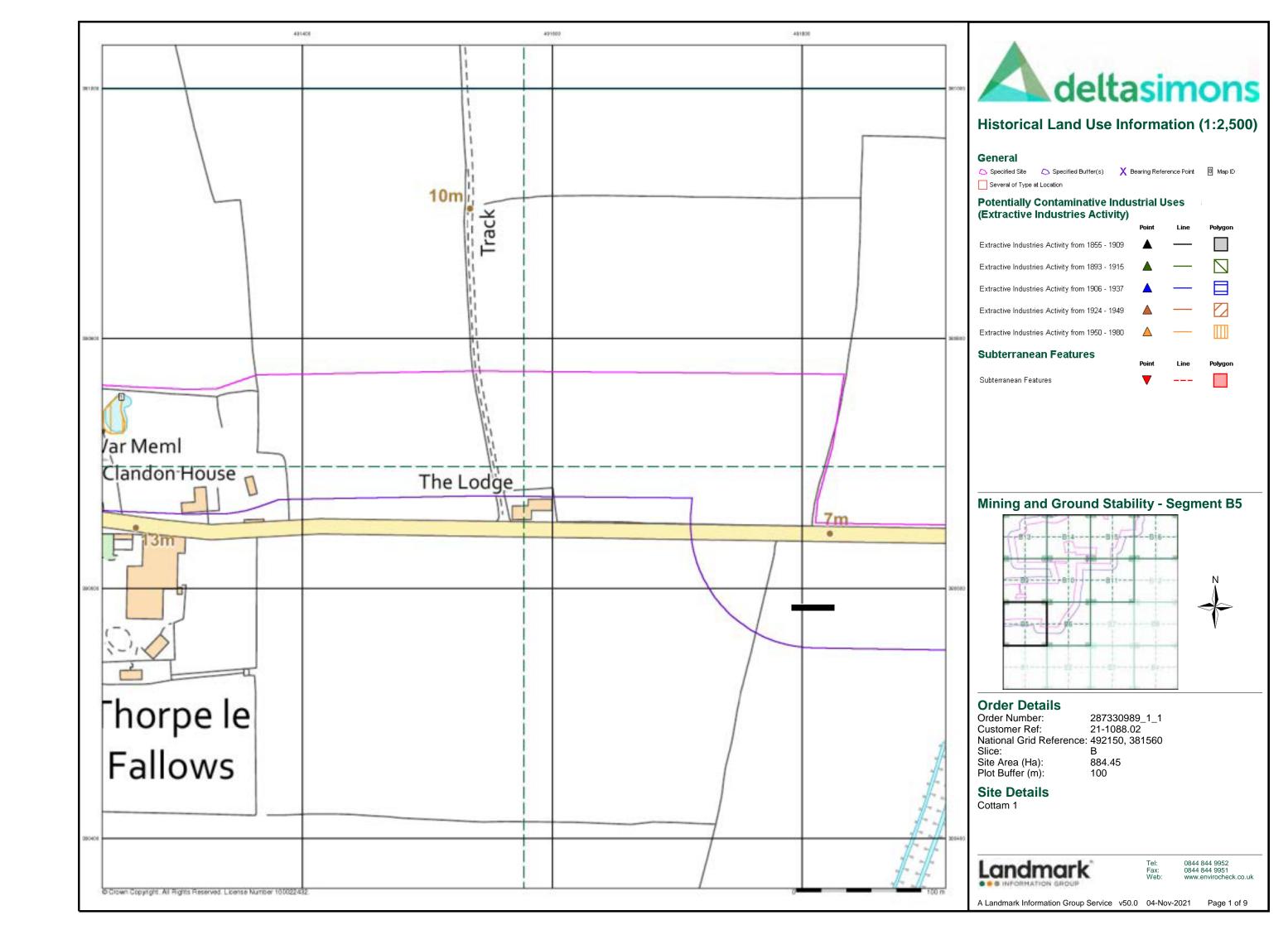
Data Supplier	Data Supplier Logo
Ordnance Survey	Map data
British Geological Survey	British Geological Survey
The Coal Authority	The Coal Authority
Ove Arup	ARUP
Stantec UK Ltd	<b>Stantec</b>
Wardell Armstrong	your yearth our world
Johnson Poole & Bloomer	JPB

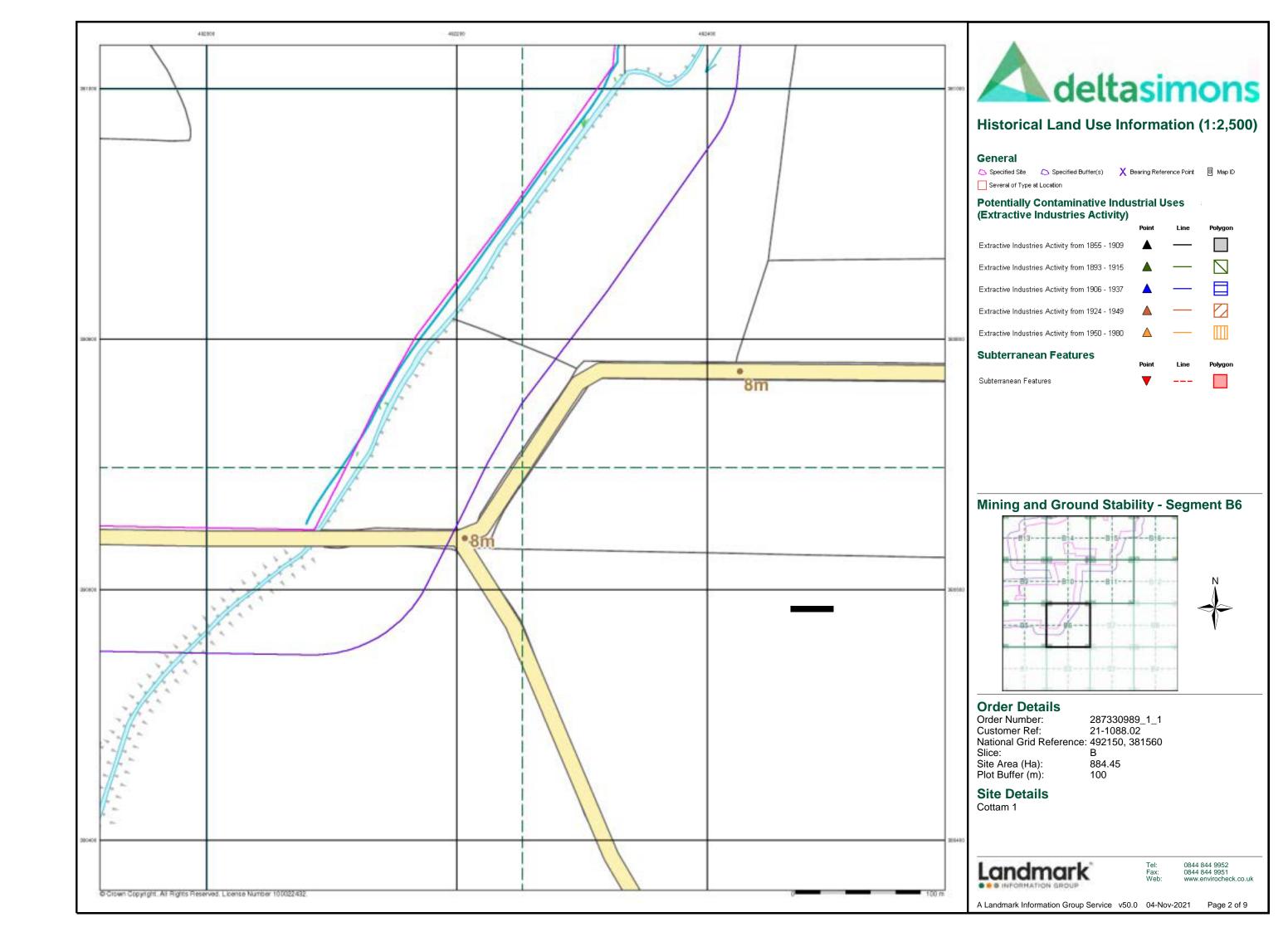


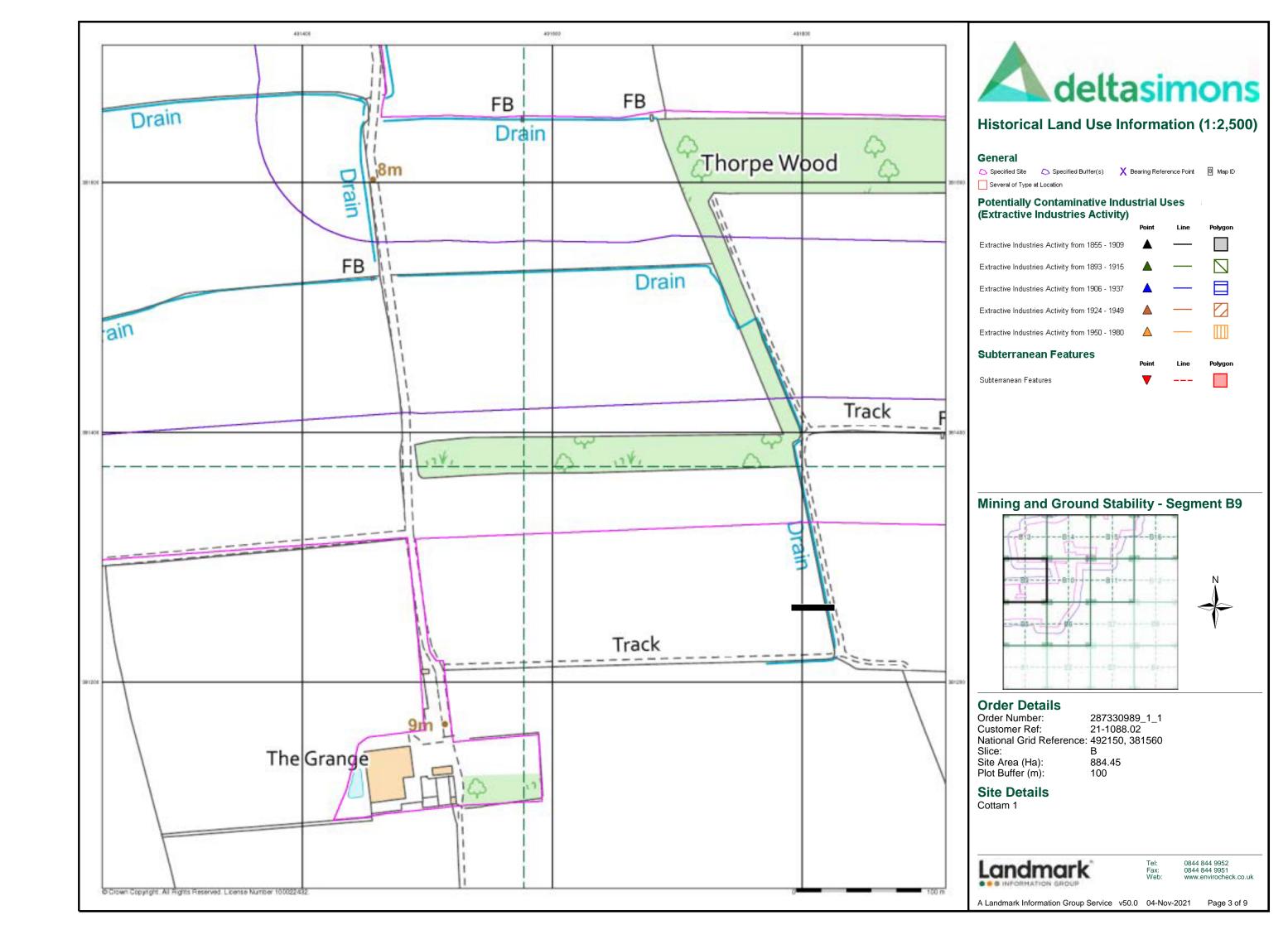
## **Useful Contacts**

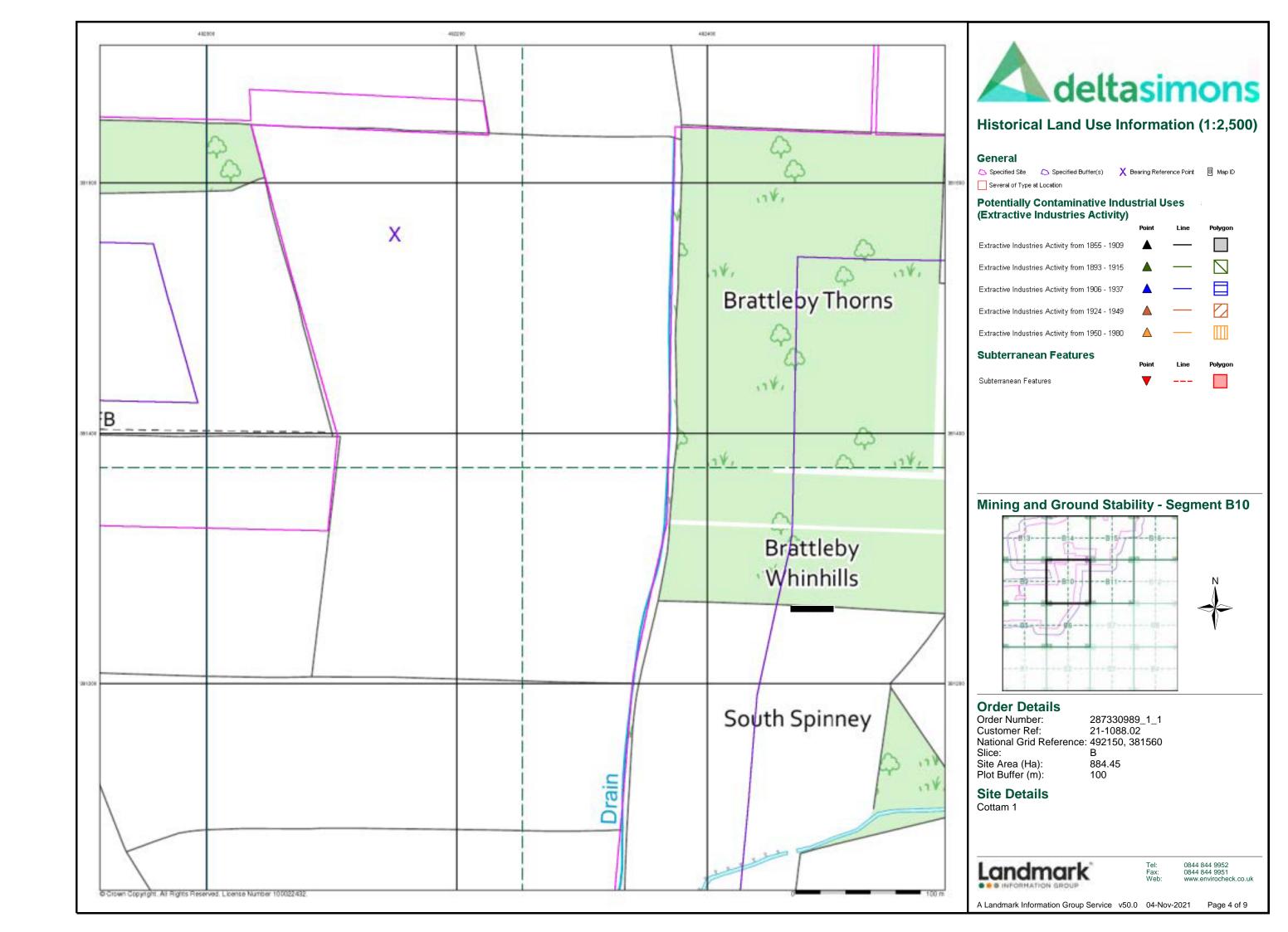
Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service  British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website:
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website:

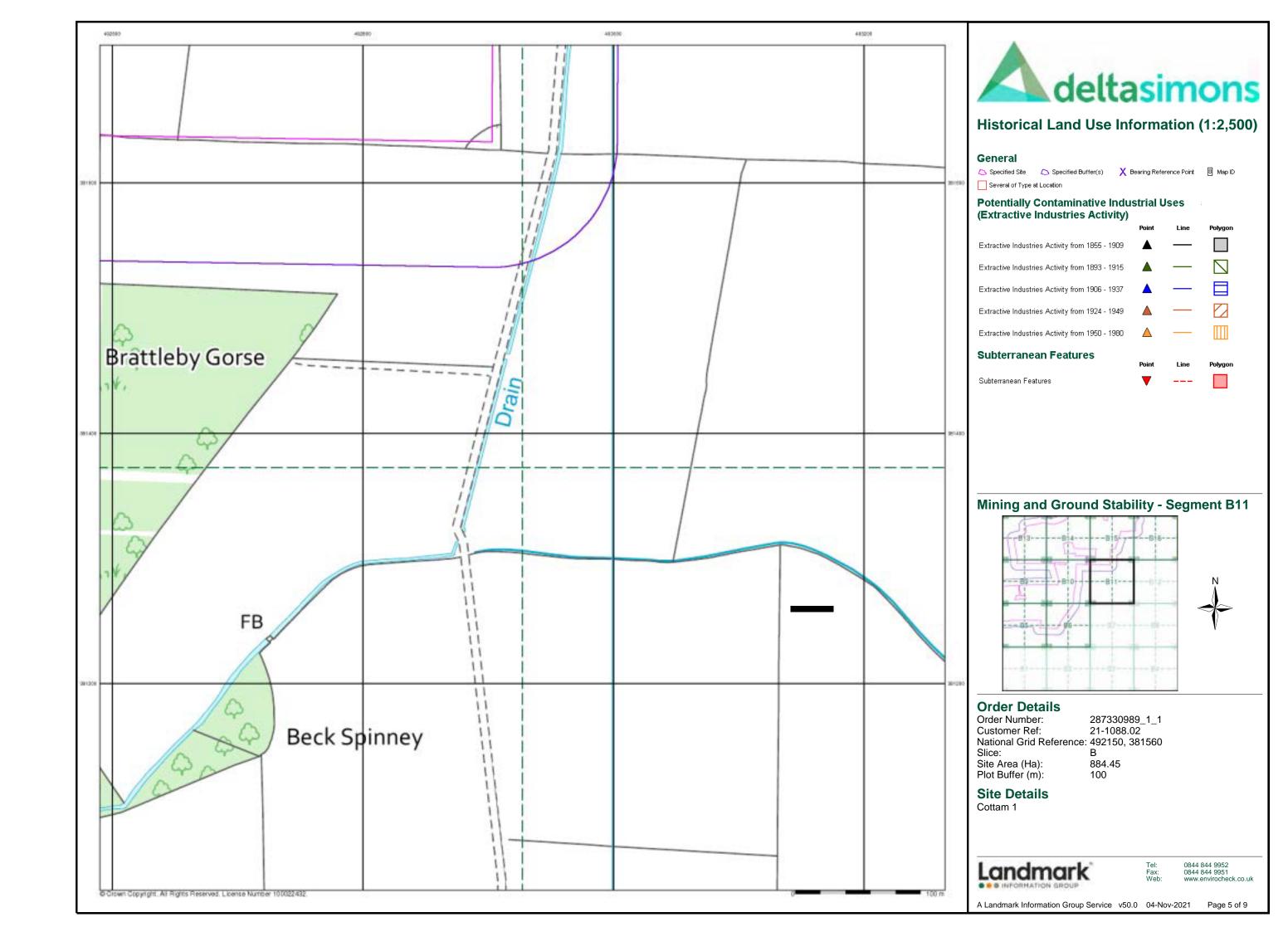
Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 9 of 9

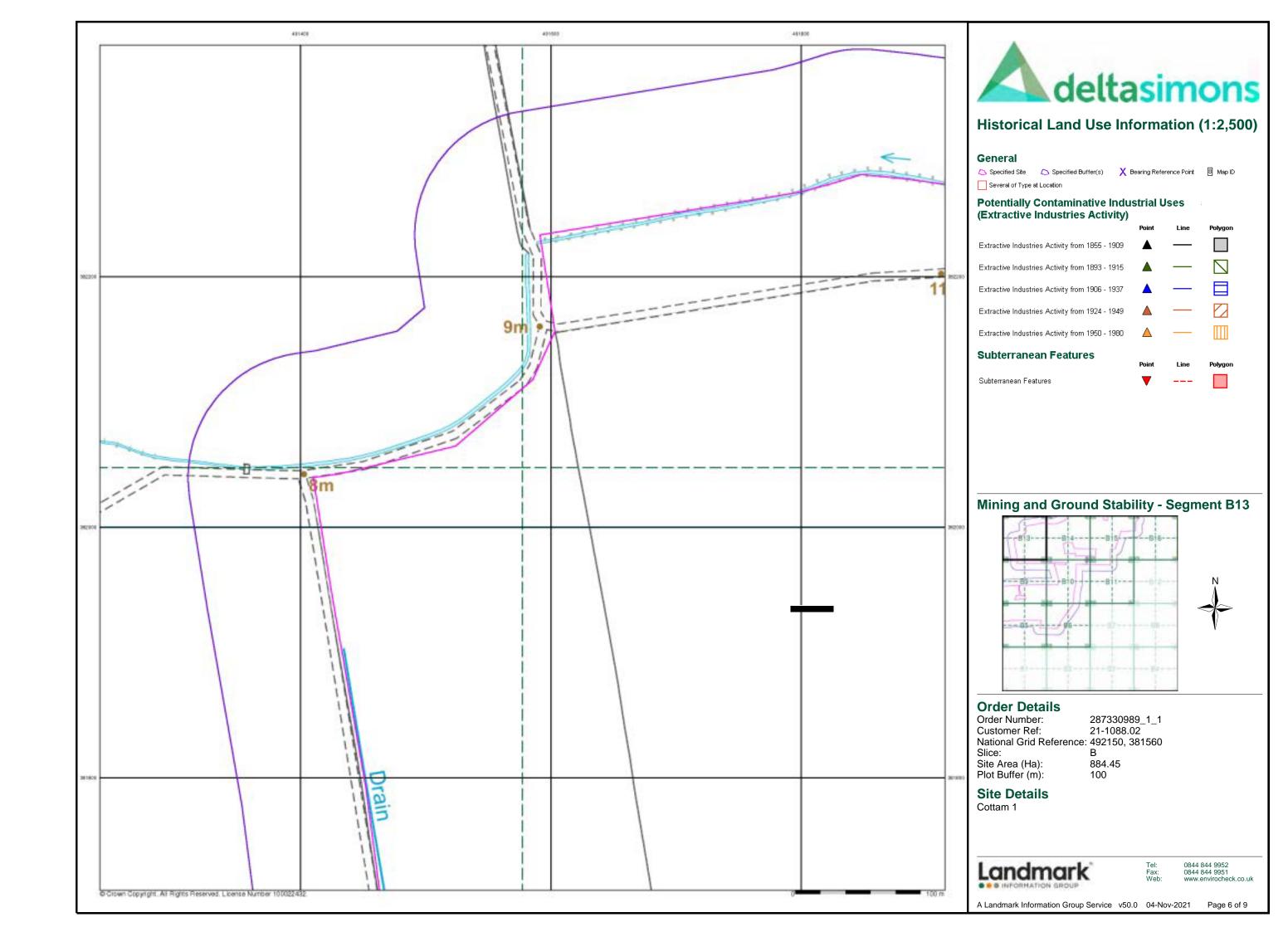


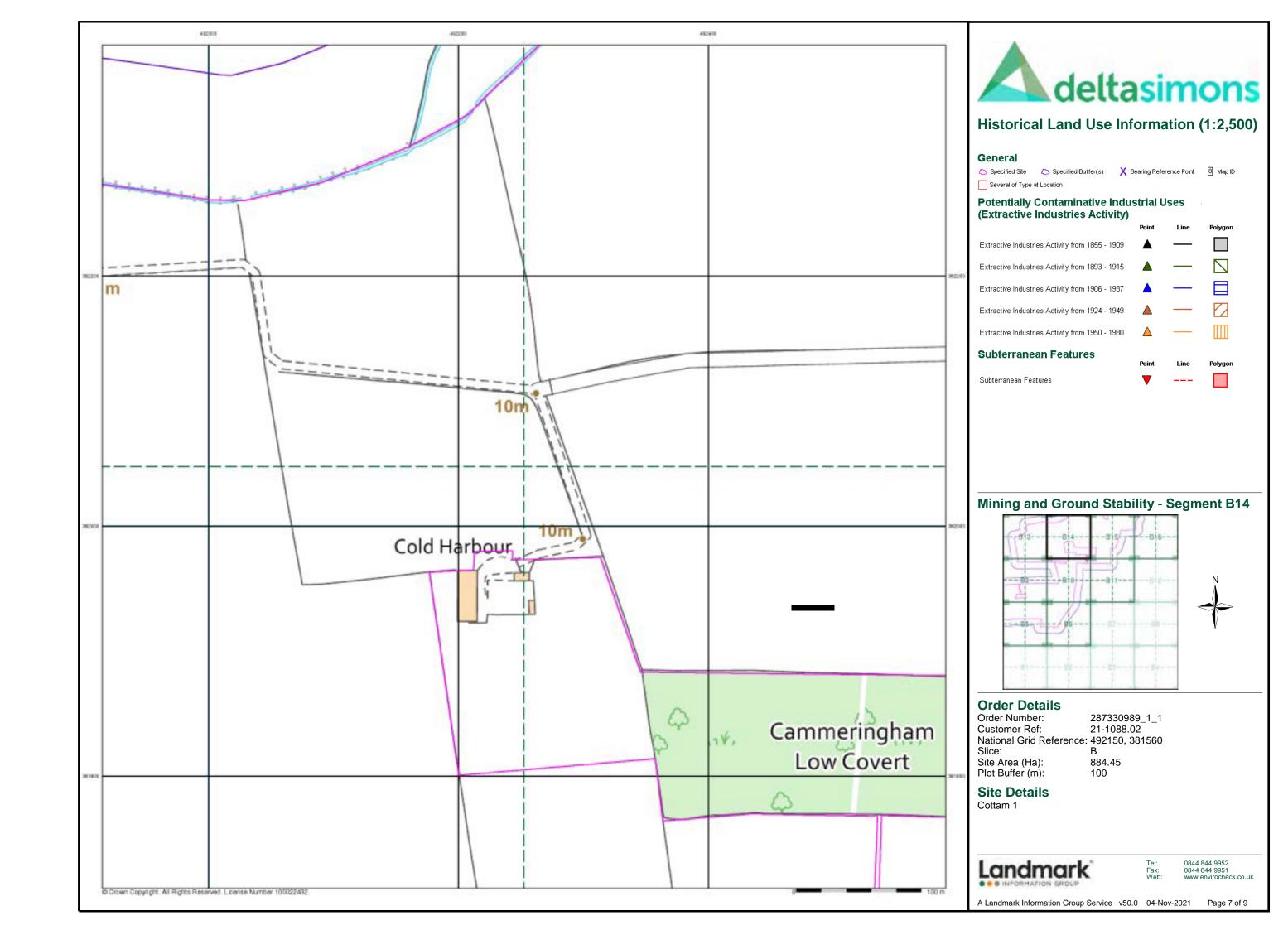


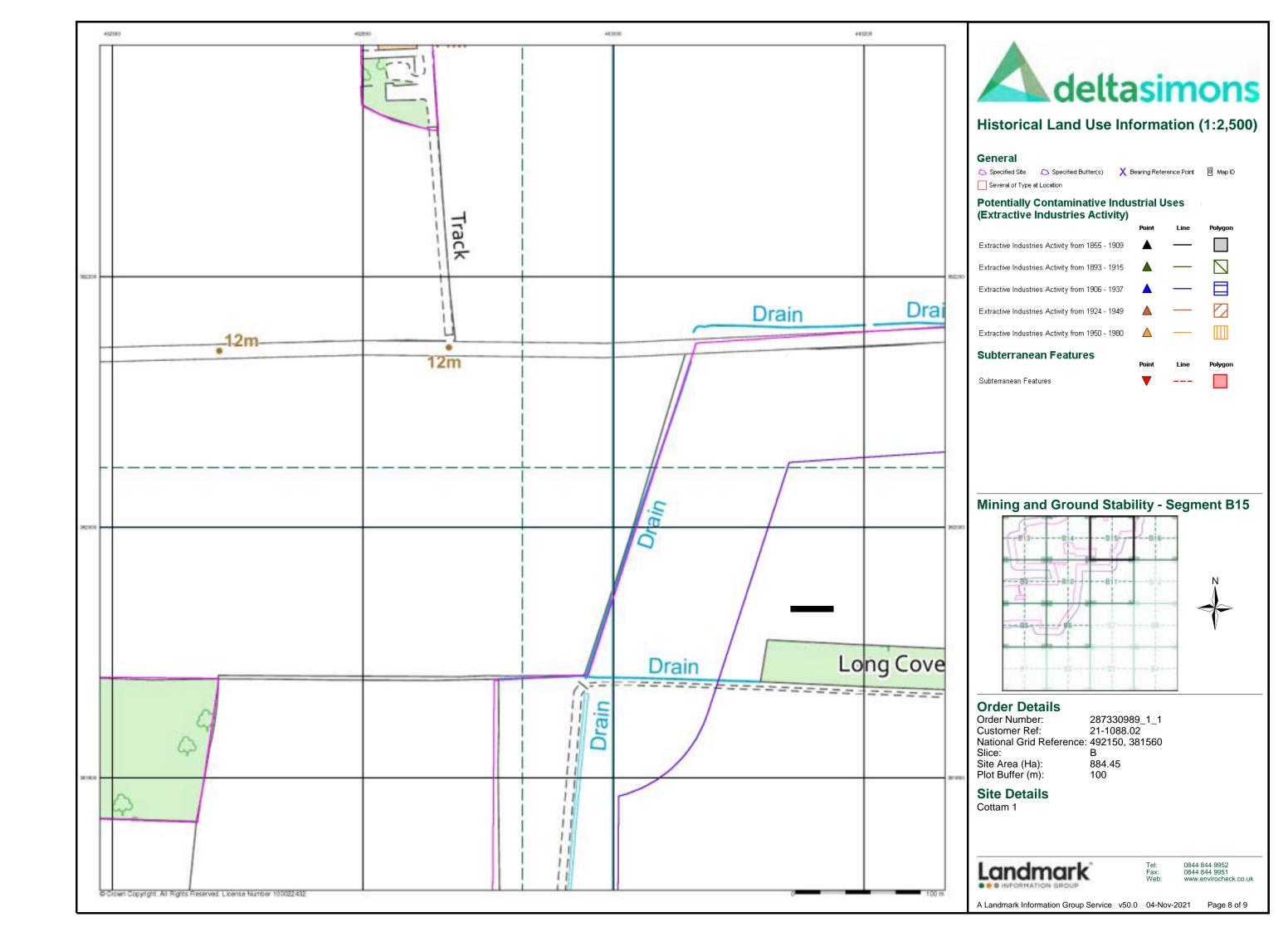


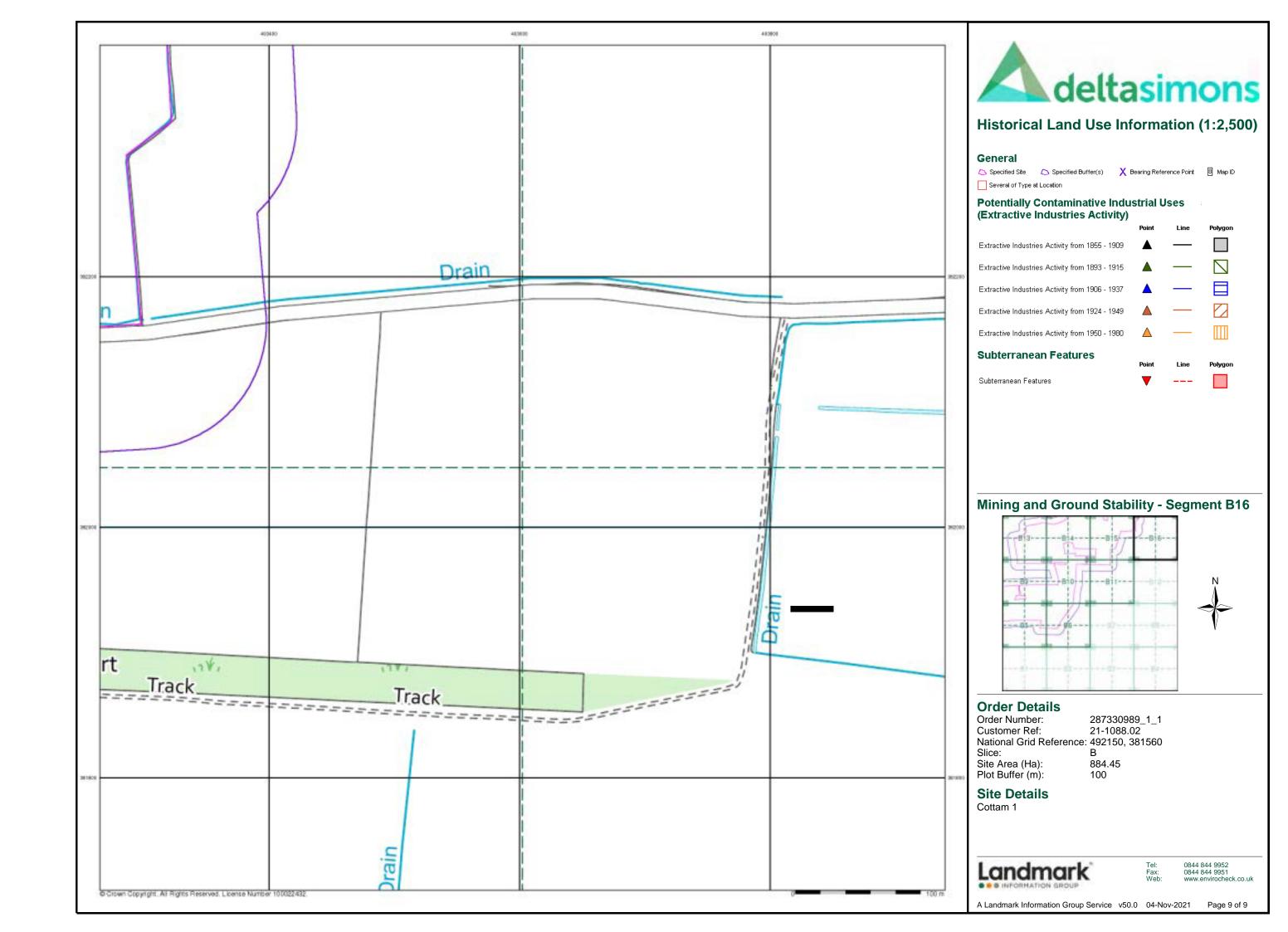












## **Geology 1:50,000 Maps Legends**

### **Superficial Geology**

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	TILMP	Till, Mid Pleistocene	Diamicton	Not Supplied - Cromerian
	GFDMP	Glaciofluvial Deposits, Mid Pleistocene	Sand and Gravel	Not Supplied - Cromerian
	RTDU	River Terrace Deposits (Undifferentiated)	Sand and Gravel	Not Supplied - Quaternary

#### **Bedrock and Faults**

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	MRB	Marlstone Rock Formation	Ferruginous Limestone and Ferruginous Sandstone	Not Supplied - Pliensbachian
	CHAM	Charmouth Mudstone Formation	Mudstone	Not Supplied - Sinemurian



### Geology 1:50,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslip deposits, superficial

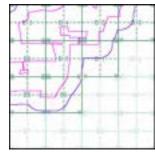
The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

### Geology 1:50,000 Maps Coverage

Map ID: 1
Map Sheet No: 102
Map Name: Map Name: Map Name: 102

Map Name: Market Rasen
Map Date: Market Rasen
Map Date: 1999
Bedrock Geology: Available
Artificial Geology: Not Available
Faults: Not Supplied
Landslip: Not Available
Not Available

Geology 1:50,000 Maps - Slice B





#### **Order Details:**

Order Number: Customer Reference: National Grid Reference: Slice: Site Area (Ha):

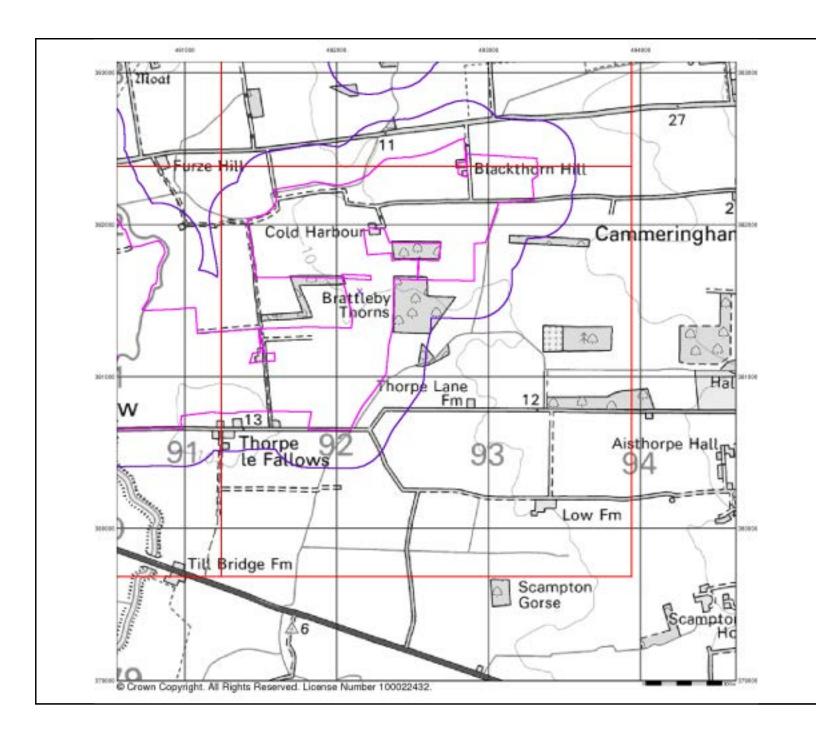
Site Area (Ha): Search Buffer (m): 287330989\_1\_1 21-1088.02 492150, 381560 B 884.45 250

### Site Details:

Cottam 1



Tel: Fax: Web: 0844 844 9952 0844 844 9951





#### **Artificial Ground and Landslip**

Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground man-made deposits such as embankments and spoil heaps on the natural ground surface.

  - Worked ground - areas where the ground has been cut away such as
- quarries and road cuttings.
- Infilled ground areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground areas where the surface has been reshaped.
   Disturbed ground areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

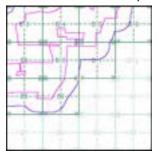
287330989\_1\_1 21-1088.02

492150, 381560

884.45

250

### Artificial Ground and Landslip Map - Slice B



#### **Order Details:**

Order Number: Customer Reference: National Grid Reference:

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

#### Site Details:

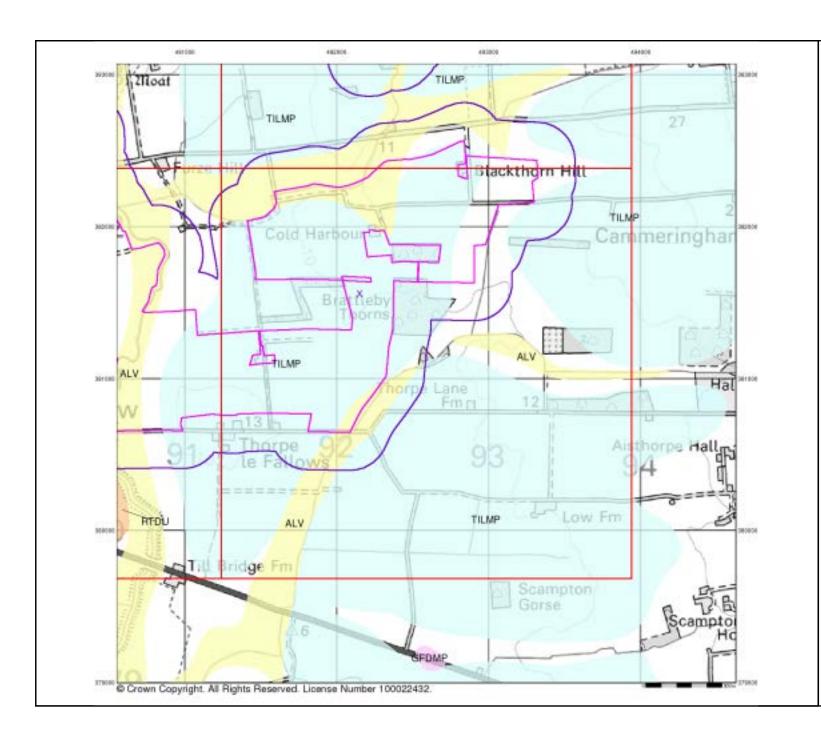
Cottam 1



0844 844 9952 0844 844 9951

v15.0 04-Nov-2021

Page 2 of 5





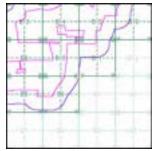
#### **Superficial Geology**

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

### Superficial Geology Map - Slice B



287330989\_1\_1 21-1088.02

492150, 381560

884.45 250

#### **Order Details:**

Order Number: Customer Reference: National Grid Reference:

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

#### Site Details:

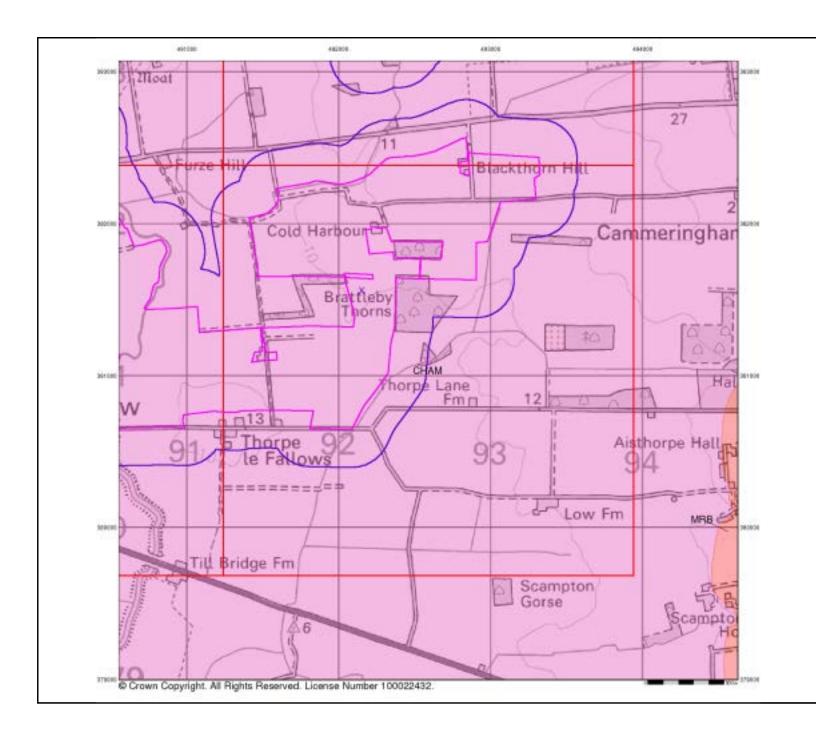
Cottam 1



0844 844 9952 0844 844 9951

v15.0 04-Nov-2021

Page 3 of 5





#### **Bedrock and Faults**

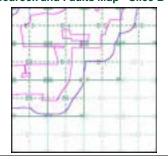
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

#### Bedrock and Faults Map - Slice B





#### **Order Details:**

Order Number: Customer Reference: National Grid Reference: Site Area (Ha): Search Buffer (m):

492150, 381560 884.45 250

287330989\_1\_1 21-1088.02

### Site Details:

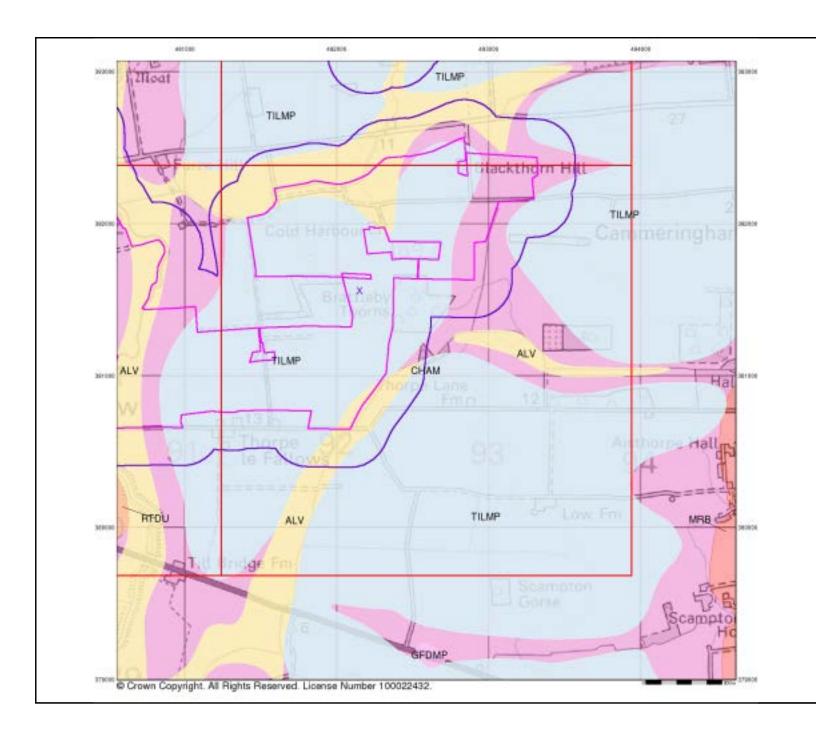
Cottam 1



0844 844 9952 0844 844 9951

v15.0 04-Nov-2021

Page 4 of 5





#### **Combined Surface Geology**

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

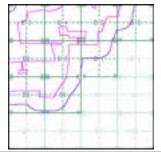
#### Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units. This database can be accessed by following the 'Information and Data' link on the BGS

#### Contact

British Geological Survey Kingsley Dunham Centre Keyworth Nottingham NG12 5GG Telephone: 0115 936 3143 Fax: 0115 936 3276 email: enquiries@bgs.ac.uk website: www.bgs.ac.uk

### Combined Geology Map - Slice B



287330989\_1\_1 21-1088.02

492150, 381560



Order Number: Customer Reference: National Grid Reference:

B 884.45 Site Area (Ha): Search Buffer (m): 250

### Site Details:

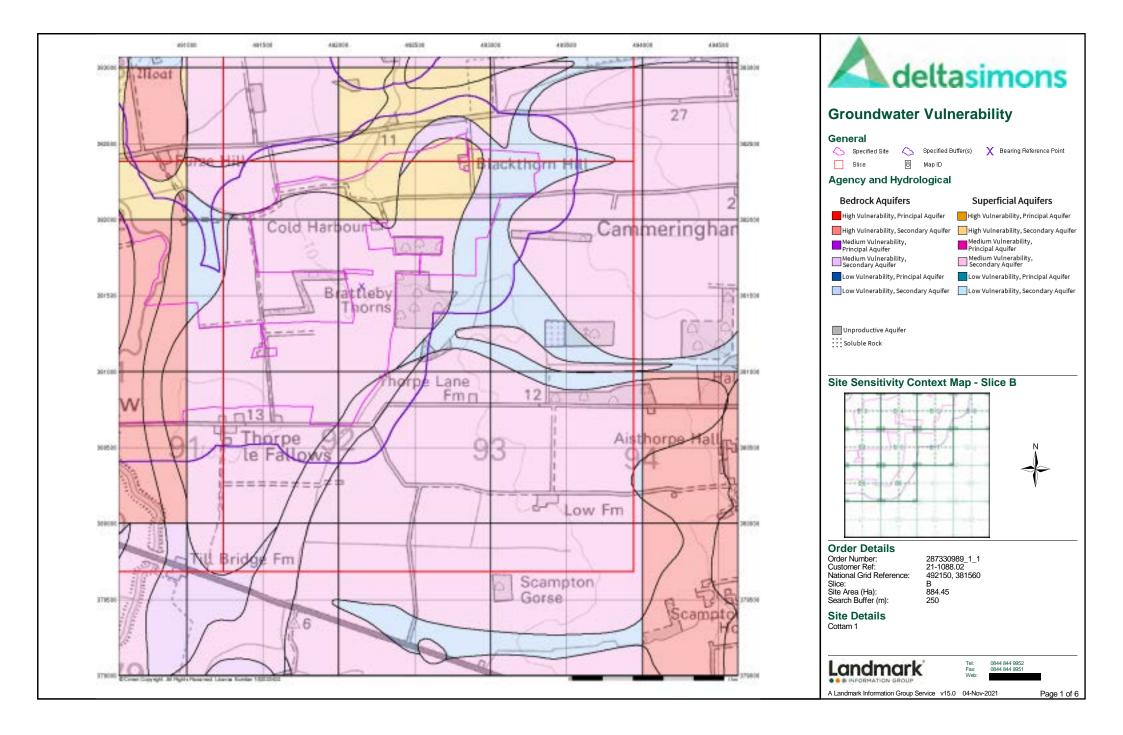
Cottam 1

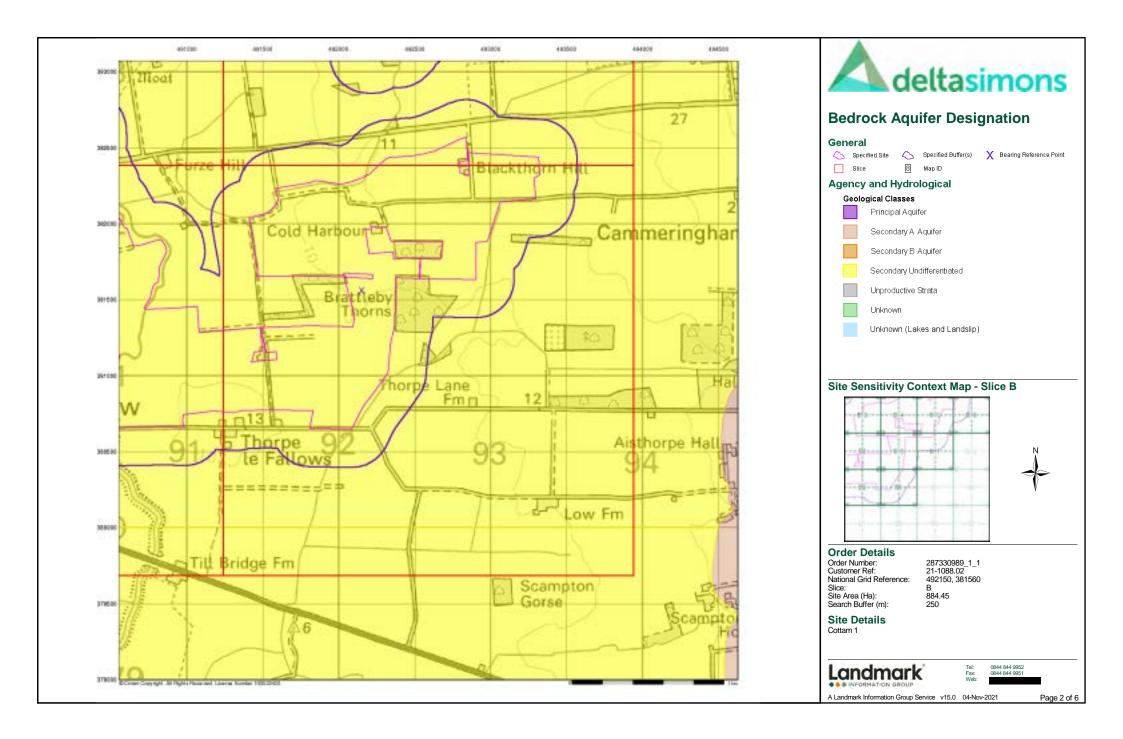


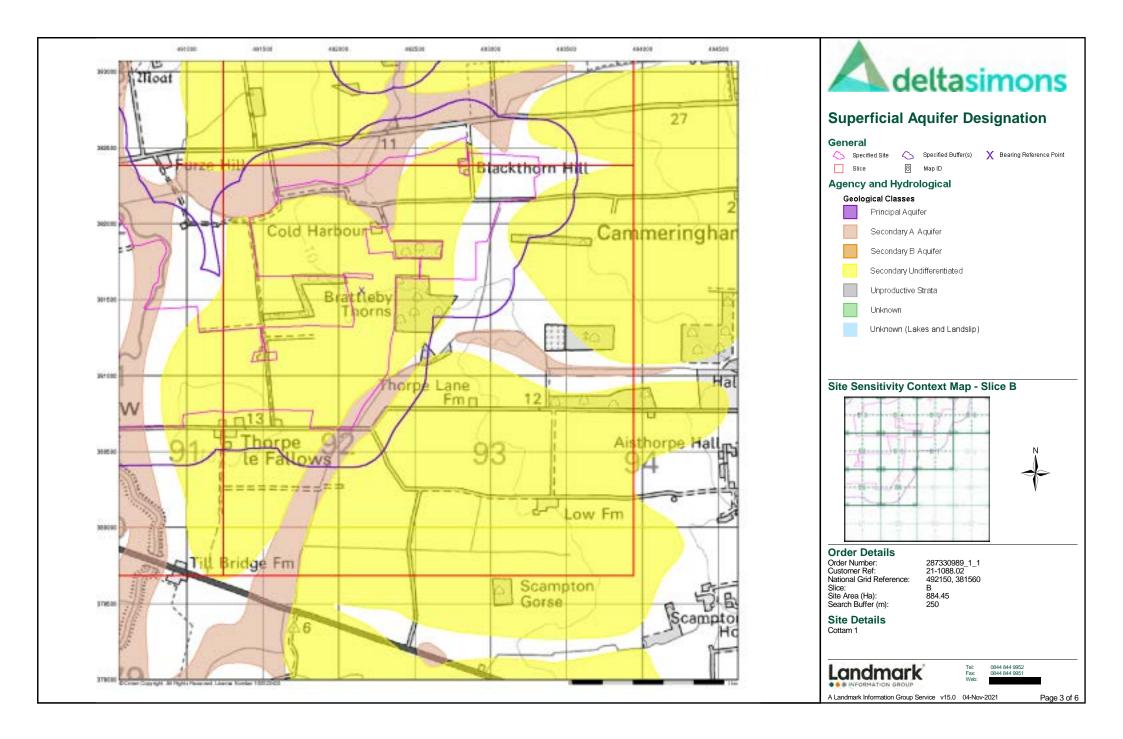
0844 844 9952 0844 844 9951

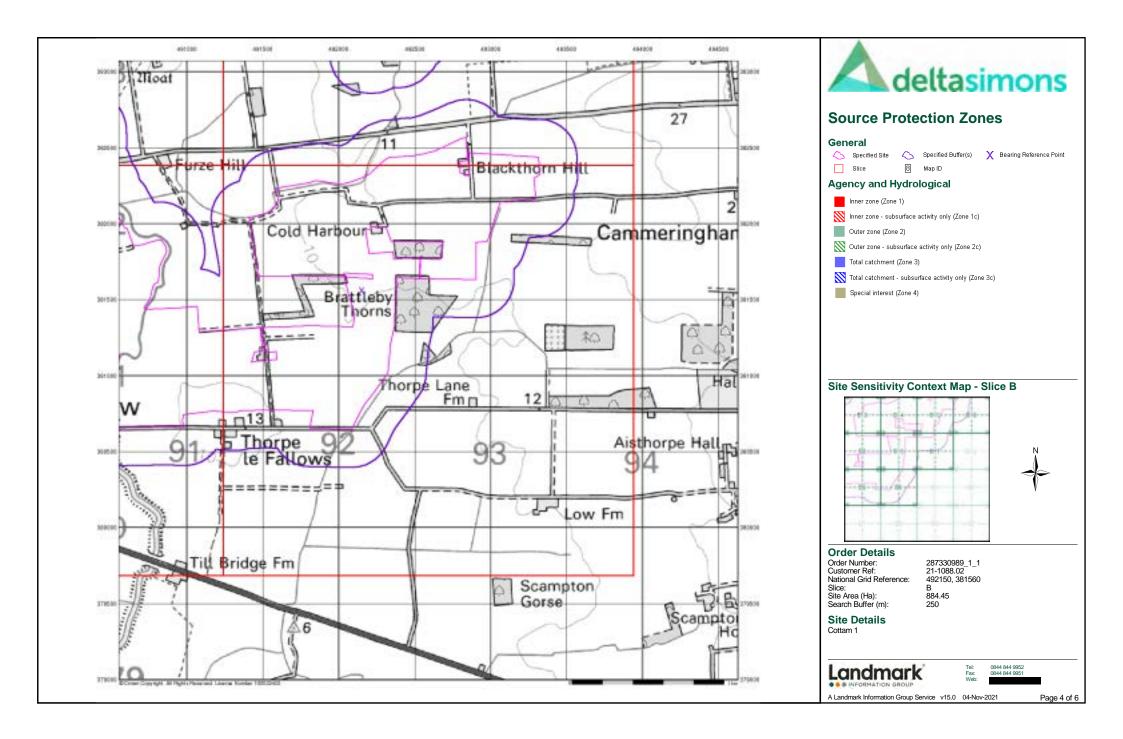
v15.0 04-Nov-2021

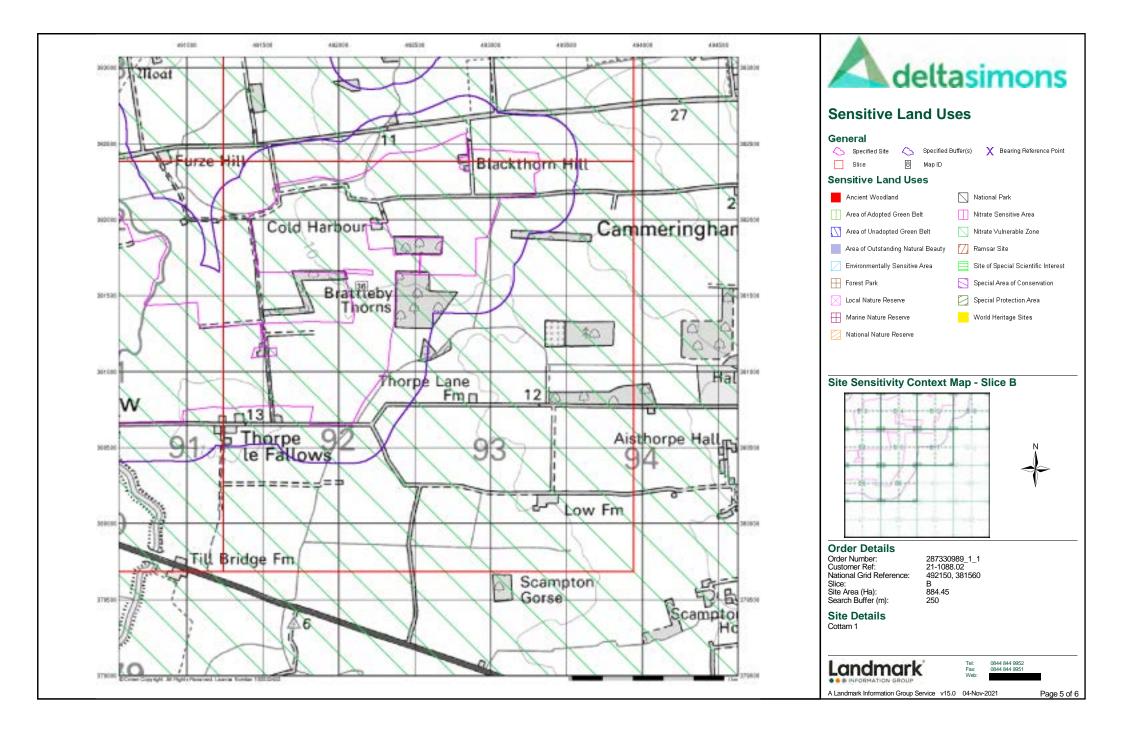
Page 5 of 5

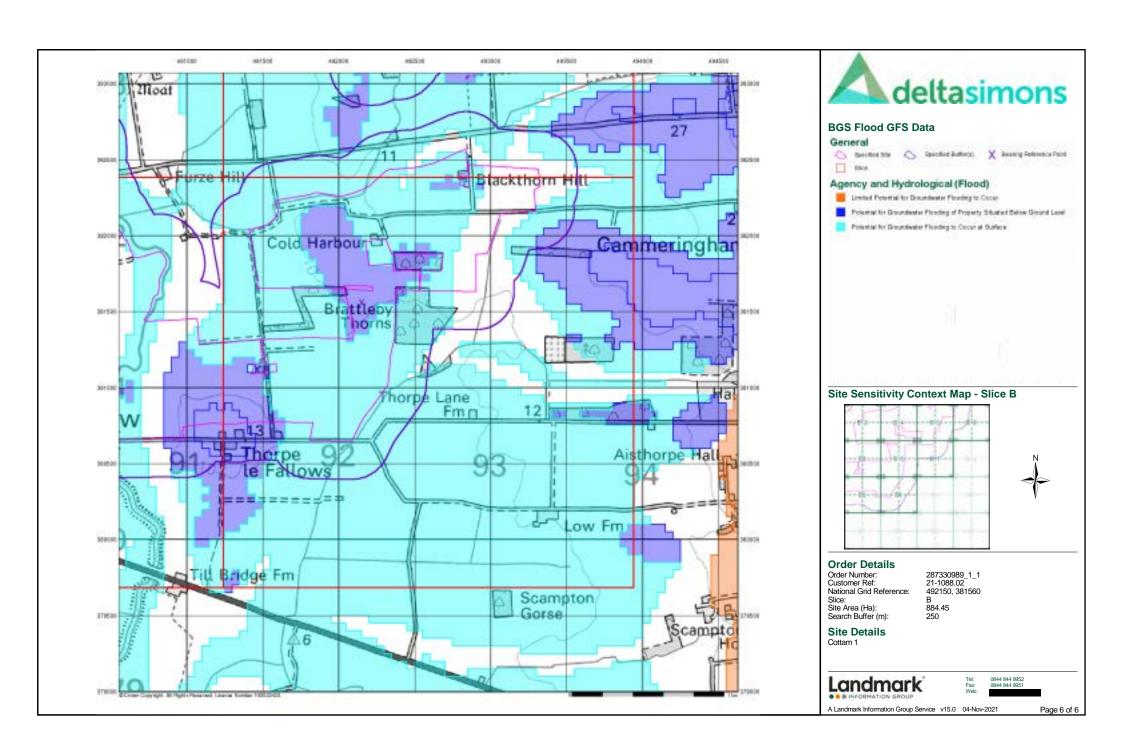














# **Envirocheck® Report:**

## **Datasheet**

### **Order Details:**

**Order Number:** 

287330989\_1\_1

**Customer Reference:** 

21-1088.02

**National Grid Reference:** 

488320, 383410

Slice:

С

Site Area (Ha):

884.45

Search Buffer (m):

250

### **Site Details:**

Cottam 1

## **Client Details:**

Mr A Howells Delta Simons 3 Henley Office Park Doddington Road Lincoln LN6 3QR







Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	9
Hazardous Substances	-
Geological	10
Industrial Land Use	12
Sensitive Land Use	13
Data Currency	14
Data Suppliers	19
Useful Contacts	20

#### 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.

### Copyright Notice

© Landmark Information Group Limited 2021. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, the Environment Agency/Natural Resources Wales and Natural England, and must not be reproduced in whole or in part by photocopying or any other

method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer.

A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report.

© Environment Agency & United Kingdom Research and Innovation 2021. © Natural Resources Wales & United Kingdom Research and Innovation 2021.

### Natural England Copyright Notice

Site of Special Scientific Interest, National Nature Reserve, Ramsar, Special Protection Area, Special Conservation Area, Marine Nature Reserve data (derived from Ordnance Survey 1:10000 raster) is provided by, and used with the permission of, Natural England who retain the copyright and Intellectual Property Rights for the

### Scottish Natural Heritage Copyright

Contains SNH information licensed under the Open Government Licence v3.0.

### Ove Arup Copyright Notice

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

### Stantec Copyright Notice

The cavity data presented has been extracted from the PBA (now Stantec UK Ltd) enhanced version of the original DEFRA national cavity databases. Stantec UK Ltd retain the copyright & intellectual property rights in the data. Whilst all reasonable efforts are made to check that the information contained in the cavity databases is accurate we do not warrant that the data is complete or error free. The information is based upon our own researches and those collated from a number of external sources and is continually being augmented and updated by Stantec UK Ltd. In no event shall Stantec UK Ltd or Landmark be liable for any loss or damage including, without limitation, indirect or consequential loss or damage arising from the use of this data.

### Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England.

### **Natural Resources Wales Copyright Notice**

Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Contains Ordnance Survey Data. Ordnance Survey Licence number 100019741. Crown Copyright and Database Right. Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Some features of this information are based on digital spatial data licensed from the Centre for Ecology & Hydrology © NERC (CEH). Defra, Met Office and DARD Rivers Agency © Crown copyright. © Cranfield University. © James Hutton Institute. Contains OS data © Crown copyright and database right 2021. Land & Property Services © Crown copyright and database right.

Report Version v53.0



Data Type	Page Number	On Site	0 to 250m (*up to 500m)
Agency & Hydrological			
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes
Contaminated Land Register Entries and Notices			
Discharge Consents			
Prosecutions Relating to Controlled Waters			n/a
Enforcement and Prohibition Notices			
Integrated Pollution Controls			
Integrated Pollution Prevention And Control			
Local Authority Integrated Pollution Prevention And Control			
Local Authority Pollution Prevention and Controls			
Local Authority Pollution Prevention and Control Enforcements			
Nearest Surface Water Feature	pg 2	Yes	
Pollution Incidents to Controlled Waters	pg 2		1
Prosecutions Relating to Authorised Processes			
Registered Radioactive Substances			
River Quality	pg 2	2	
River Quality Biology Sampling Points	pg 3	1	
River Quality Chemistry Sampling Points			
Substantiated Pollution Incident Register			
Water Abstractions			
Water Industry Act Referrals			
Groundwater Vulnerability Map	pg 3	Yes	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a
Groundwater Vulnerability - Local Information			n/a
Bedrock Aquifer Designations	pg 6	Yes	n/a
Superficial Aquifer Designations	pg 6	Yes	n/a
Source Protection Zones			
Extreme Flooding from Rivers or Sea without Defences	pg 6	Yes	Yes
Flooding from Rivers or Sea without Defences	pg 6	Yes	
Areas Benefiting from Flood Defences			
Flood Water Storage Areas			
Flood Defences			
OS Water Network Lines	pg 7	3	12



Data Type	Page Number	On Site	0 to 250m (*up to 500m)
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 9	2	n/a
Local Authority Recorded Landfill Sites			
Potentially Infilled Land (Non-Water)			
Potentially Infilled Land (Water)			
Registered Landfill Sites			
Registered Waste Transfer Sites			
Registered Waste Treatment or Disposal Sites			
Hazardous Substances			
Control of Major Accident Hazards Sites (COMAH)			
Explosive Sites			
Notification of Installations Handling Hazardous Substances (NIHHS)			
Planning Hazardous Substance Consents			
Planning Hazardous Substance Enforcements			



Data Type	Page Number	On Site	0 to 250m (*up to 500m)
Geological			
BGS 1:625,000 Solid Geology	pg 10	Yes	n/a
BGS Estimated Soil Chemistry	pg 10	Yes	
BGS Recorded Mineral Sites			
BGS Urban Soil Chemistry			
BGS Urban Soil Chemistry Averages			
CBSCB Compensation District			n/a
Coal Mining Affected Areas			n/a
Mining Instability			n/a
Man-Made Mining Cavities			
Natural Cavities			
Non Coal Mining Areas of Great Britain			
Potential for Collapsible Ground Stability Hazards	pg 10	Yes	
Potential for Compressible Ground Stability Hazards	pg 10	Yes	Yes
Potential for Ground Dissolution Stability Hazards			
Potential for Landslide Ground Stability Hazards	pg 10	Yes	
Potential for Running Sand Ground Stability Hazards	pg 10	Yes	Yes
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 11	Yes	
Radon Potential - Radon Affected Areas			n/a
Radon Potential - Radon Protection Measures			n/a
Industrial Land Use			
Contemporary Trade Directory Entries			
Fuel Station Entries			
Points of Interest - Commercial Services			
Points of Interest - Education and Health			
Points of Interest - Manufacturing and Production	pg 12		1
Points of Interest - Public Infrastructure			
Points of Interest - Recreational and Environmental			
Gas Pipelines			
Underground Electrical Cables			



Data Type	Page Number	On Site	0 to 250m (*up to 500m)
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 13	1	
Ramsar Sites			
Sites of Special Scientific Interest			
Special Areas of Conservation			
Special Protection Areas			
World Heritage Sites			



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	0	1	488600 383350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	0	1	489050 383650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C8SE (S)	0	1	488316 383300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	C4SE (S)	0	1	488500 382550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C8SE (SE)	0	1	488500 383100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	0	1	488850 383100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	C8NE (NE)	0	1	488400 383500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	0	1	489050 383100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	0	1	488550 383050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	C8NE (E)	0	1	488500 383450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(N)	0	1	488650 384350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	C8SE (S)	0	1	488350 383300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	0	1	489050 382900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	0	1	489150 384500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	1	488650 382150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	0	1	488700 382450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	C8NE (S)	0	1	488316 383409
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	22	1	489200 383150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	39	1	488700 383600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	83	1	489150 382300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SE)	94	1	489150 381800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SE)	97	1	489200 382250

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
		Flooding Susceptibility	000111	400		100100
	Flooding Type:	Limited Potential for Groundwater Flooding to Occur	C8SW (SW)	126	1	488100 383150
		Flooding Susceptibility				
	Flooding Type:	Potential for Groundwater Flooding to Occur at Surface	C4NW (S)	164	1	488100 382850
		Flooding Susceptibility				
	Flooding Type:	Limited Potential for Groundwater Flooding to Occur	C8NW (W)	198	1	488100 383450
	BGS Groundwater F	Flooding Susceptibility				
	Flooding Type:	Limited Potential for Groundwater Flooding to Occur	C8NW (W)	200	1	488050 383409
	BGS Groundwater F	Flooding Susceptibility				
	Flooding Type:	Potential for Groundwater Flooding of Property Situated Below Ground Level	C8NE (N)	200	1	488300 383600
	BGS Groundwater F	Flooding Susceptibility	, ,			
	Flooding Type:	Limited Potential for Groundwater Flooding to Occur	(NE)	204	1	488650 383800
	BGS Groundwater F	Flooding Susceptibility				
	Flooding Type:	Limited Potential for Groundwater Flooding to Occur	C4NW (SW)	246	1	487950 383000
	Nearest Surface Wa	ter Feature	C8SE (SE)	0	-	488333 383395
	Pollution Incidents	to Controlled Waters	(0-)			
1	Property Type: Location: Authority: Pollutant: Note: Incident Date: Incident Reference: Catchment Area: Receiving Water: Cause of Incident: Incident Severity: Positional Accuracy:	Not Given Lincoln District Environment Agency, Anglian Region Unknown Roadside Dyke 18th June 1993 1675 Not Given Freshwater Stream/River Unknown Category 3 - Minor Incident Located by supplier to within 100m	C12NE (N)	86	2	488400 384400
	River Quality					
	Name: GQA Grade: Reach: Estimated Distance (km): Flow Rate: Flow Type: Year:	Till River Quality D Kexby BeckCricket Till 7.7 Flow less than 0.62 cumecs River 2000	C8SE (S)	0	2	488324 383365
	River Quality					
	Name: GQA Grade: Reach: Estimated Distance (km):	Till River Quality C Heapham BeckKexby Beck 4.7	C8SE (S)	0	2	488304 383372
	Flow Rate: Flow Type: Year:	Flow less than 0.31 cumecs River 2000				



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	River Quality Biolog	gy Sampling Points				
2	Name: Reach:	Till Kexby Beck To Cricket Till	C8SE (SE)	0	2	488340 383380
		Located by supplier to within 10m				
	Year: GQA Grade:	1990 River Quality Biology GQA Grade B - Good				
	Year: GQA Grade:	1995 River Quality Biology GQA Grade A - Very Good				
	Year: GQA Grade: Year:	2000 River Quality Biology GQA Grade A - Very Good 2002				
	GQA Grade: Year:	River Quality Biology GQA Grade B - Good 2003				
	GQA Grade: Year:	River Quality Biology GQA Grade B - Good 2004				
	GQA Grade: Year:	River Quality Biology GQA Grade B - Good 2005				
	GQA Grade: Year:	River Quality Biology GQA Grade A - Very Good 2006				
	GQA Grade: Year:	River Quality Biology GQA Grade A - Very Good 2007				
	GQA Grade: Year:	River Quality Biology GQA Grade B - Good 2008				
	GQA Grade: Year:	River Quality Biology GQA Grade B - Good 2009				
	GQA Grade:	River Quality Biology GQA Grade B - Good				
	Groundwater Vulne Combined	rability Map Secondary Superficial Aquifer - Medium Vulnerability	(SE)	0	3	489000
	Classification: Combined	Medium				382000
	Vulnerability: Combined Aquifer:	Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	Low Well Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial Patchiness:	>90%				
	Superficial Thickness:	<3m				
	Superficial Recharge:	No Data				
	Groundwater Vulne	rability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	(SE)	0	3	489000 382161
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow:	Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness: Superficial	<3m				
	Thickness: Superficial	No Data				
	Recharge:					
	Groundwater Vulne	• •		_	_	,
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	(SE)	0	3	488562 383000
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness: Superficial	<3m				
	Thickness: Superficial	No Data				
	Recharge:					



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	rability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	(SE)	0	3	489000 383000
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index: Superficial	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Well Connected Fractures <300 mm/year 40-70% <90%				
	Patchiness: Superficial	<3m				
	Thickness: Superficial Recharge:	No Data				
	Groundwater Vulne	rability Map				
	Combined Classification: Combined	Secondary Superficial Aquifer - High Vulnerability  High	C8NE (S)	0	3	488316 383409
	Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow:	Productive Bedrock Aquifer, Productive Superficial Aquifer High Well Connected Fractures				
	Dilution: Baseflow Index: Superficial Patchiness: Superficial	<300 mm/year >70% <90%				
	Thickness: Superficial	No Data				
	Recharge:					
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	(SE)	0	3	489000 383056
	Combined Vulnerability: Combined Aquifer: Pollutant Speed:	High  Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution: Baseflow Index:	Well Connected Fractures <300 mm/year 40-70%				
	Superficial Patchiness: Superficial	<90% <3m				
	Thickness: Superficial Recharge:	No Data				
	Groundwater Vulne	rability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	C8NE (NE)	0	3	488390 383533
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution:	Productive Bedrock Aquifer, No Superficial Aquifer High Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial Patchiness: Superficial	>70% <90% <3m				
	Thickness: Superficial Recharge:	No Data				



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined	Secondary Bedrock Aquifer - High Vulnerability	C8SE	0	3	488344
	Classification: Combined	High	(S)			383271
	Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution:	Productive Bedrock Aquifer, No Superficial Aquifer High Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial Patchiness: Superficial	>70% <90% <3m				
	Thickness: Superficial Recharge:	No Data				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	(E)	0	3	489000 383409
	Combined Vulnerability: Combined Aquifer:	High  Productive Bedrock Aquifer, No Superficial Aquifer				
	Pollutant Speed: Bedrock Flow: Dilution:	Low Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial Patchiness:	40-70% <90%				
	Superficial Thickness: Superficial	<3m No Data				
	Recharge:					
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	C4NE (S)	0	3	488316 383000
	Combined Vulnerability: Combined Aquifer:	High  Productive Bedrock Aquifer, No Superficial Aquifer				
	Pollutant Speed: Bedrock Flow: Dilution:	Low Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial Patchiness:	40-70% <90%				
	Superficial Thickness: Superficial	<3m No Data				
	Recharge:	NO Data				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	C12SE (N)	0	3	488316 384000
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed: Bedrock Flow:	Productive Bedrock Aquifer, No Superficial Aquifer Low Well Connected Fractures				
	Dilution: Baseflow Index: Superficial	<300 mm/year 40-70% <90%				
	Patchiness: Superficial	<3m				
	Thickness: Superficial Recharge:	No Data				



# **Agency & Hydrological**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	rability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	(NE)	0	3	489000 384000
	Combined Vulnerability: Combined Aguifer:	High  Productive Bedrock Aquifer, No Superficial Aquifer				
	Pollutant Speed: Bedrock Flow: Dilution:	Low Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness: Superficial Thickness:	<3m				
	Superficial Recharge:	No Data				
	Groundwater Vulne	rability Map				
	Combined Classification: Combined	Secondary Bedrock Aquifer - High Vulnerability  High	(SE)	0	3	489000 382876
	Vulnerability: Combined Aquifer:	Productive Bedrock Aquifer, No Superficial Aquifer				
	Pollutant Speed: Bedrock Flow: Dilution:	Low Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness: Superficial Thickness:	<3m				
	Superficial Recharge:	No Data				
	Groundwater Vulne None	erability - Soluble Rock Risk				
	Bedrock Aquifer De	esignations				
	=	Secondary Aquifer - B	C8NE (S)	0	3	488316 383409
	Superficial Aquifer	Designations				
	Aquifer Designation:	Secondary Aquifer - A	C8NE (S)	0	3	488316 383409
	Superficial Aquifer	Designations				
	Aquifer Designation:	Secondary Aquifer - A	(S)	0	3	488725 382156
	Extreme Flooding for Type: Flood Plain Type: Boundary Accuracy:	rom Rivers or Sea without Defences  Extent of Extreme Flooding from Rivers or Sea without Defences Fluvial Models As Supplied	C8NE (S)	0	2	488316 383409
	Extreme Flooding f	rom Rivers or Sea without Defences				
	Type: Flood Plain Type: Boundary Accuracy:	Extent of Extreme Flooding from Rivers or Sea without Defences Fluvial Models	C8NE (NW)	158	2	488241 383512
	Flooding from Rive	rs or Sea without Defences				
	Type: Flood Plain Type: Boundary Accuracy:	Extent of Flooding from Rivers or Sea without Defences Fluvial Models As Supplied	C8NE (S)	0	2	488316 383409
	Flooding from Rive	rs or Sea without Defences				
	Type: Flood Plain Type: Boundary Accuracy:	Extent of Flooding from Rivers or Sea without Defences Fluvial Models As Supplied	C8NE (W)	0	2	488313 383408
	Areas Benefiting fro	om Flood Defences				
	Flood Water Storag	e Areas				
	None					
	Flood Defences None					

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service



# **Agency & Hydrological**

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 157.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Till Catchment Name: Witham Primacy: 1	C8SE (SE)	0	4	488332 383390
4	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 264.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C8NE (E)	0	4	488473 383426
5	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: River Till Catchment Name: Witham Primacy: 1	C8NE (E)	0	4	488473 383426
6	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: 407.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Padmoor Drain Catchment Name: Witham Primacy: 1	C8SE (SE)	3	4	488330 383389
7	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 286.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C4NE (S)	3	4	488487 382782
8	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 5.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C4NE (S)	4	4	488482 382782
9	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 111.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C4NE (S)	4	4	488427 382783
10	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 822.8  Watercourse Level: On ground surface Permanent: True Watercourse Name: River Till Catchment Name: Witham Primacy: 1	C8NE (SW)	7	4	488313 383404
11	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 109.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C12NE (N)	49	4	488342 384348



# **Agency & Hydrological**

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 342.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C12NE (N)	86	4	488401 384401
13	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C12NE (N)	87	4	488395 384400
14	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 260.8  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C12NW (N)	94	4	488089 384298
15	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 6.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C12NE (N)	94	4	488345 384342
16	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 721.4  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C8SW (SW)	185	4	488029 383183
17	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Padmoor Drain Catchment Name: Witham Primacy: 1	C8SW (SW)	208	4	488029 383183

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service



### **Waste**

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage				
	Name: West Lindsey District Council - Has no landfill data to supply		0	5	488316 383409
	Local Authority Landfill Coverage				
	Name: Lincolnshire County Council - Had landfill data but passed it to the relevant environment agency		0	6	488316 383409

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 9 of 20





Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Lias Group	C8NE (S)	0	1	488316 383409
	BGS Estimated Soil Chemistry  Source: British Geological Survey, National Geoscience Information Service  Soil Sample Type: Rural Soil 415 mg/kg  Concentration: Cadmium <1.8 mg/kg  Concentration: Chromium 60 - 90 mg/kg  Concentration: Lead Concentration: <100 mg/kg  Nickel 15 - 30 mg/kg  Concentration:	C8NE (S)	0	1	488316 383409
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining Non Coal Mining Areas of Great Britain				
	No Hazard				
	Potential for Collapsible Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C8NE (S)	0	1	488316 383409
	Potential for Collapsible Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C8SE (S)	0	1	488344 383271
	Potential for Collapsible Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C8NE (NE)	0	1	488390 383533
	Potential for Collapsible Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C4NW (SW)	186	1	488062 382922
	Potential for Compressible Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C8SE (S)	0	1	488344 383271
	Potential for Compressible Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C8NE (NE)	0	1	488390 383533
	Potential for Compressible Ground Stability Hazards  Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	C8NE (S)	0	1	488316 383409
	Potential for Compressible Ground Stability Hazards  Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	C4NW (SW)	186	1	488062 382922
	Potential for Ground Dissolution Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C8NE (S)	0	1	488316 383409
	Potential for Landslide Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C8NE (S)	0	1	488316 383409
	Potential for Running Sand Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C8NE (NE)	0	1	488390 383533
	Potential for Running Sand Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C8SE (S)	0	1	488344 383271
	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	C8NE (S)	0	1	488316 383409

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 10 of 20



# **Geological**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Runni	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	C4NW (SW)	186	1	488062 382922
	Potential for Shrink	ing or Swelling Clay Ground Stability Hazards				
	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	C8NE (S)	0	1	488316 383409
	Radon Potential - R	adon Affected Areas				
	Affected Area: Source:	The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level).  British Geological Survey, National Geoscience Information Service	C8NE (S)	0	1	488316 383409
	Radon Potential - R	adon Protection Measures				
	Protection Measure: Source:	No radon protective measures are necessary in the construction of new dwellings or extensions British Geological Survey, National Geoscience Information Service	C8NE (S)	0	1	488316 383409

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 11 of 20



### **Industrial Land Use**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Points of Interest - I	Manufacturing and Production				
18	Name: Location: Category: Class Code: Positional Accuracy:	Sheep Dip DN21 Farming Sheep Dips and Washes Positioned to address or location	C4NW (SW)	135	7	488098 383011

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 12 of 20



### **Sensitive Land Use**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR	
	Nitrate Vulnerab	le Zones					
19	Name: Description: Source:	Lower Witham Nvz Surface Water Environment Agency, Head Office	C8NE (S)	0	3	488316 383409	

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 13 of 20



Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Environment Agency - Head Office	June 2020	Annually
West Lindsey District Council - Environmental Health Department	September 2017	Annual Rolling Update
Discharge Consents		
Environment Agency - Anglian Region	July 2021	Quarterly
Environment Agency - Midlands Region	July 2021	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 2021	Quarterly
Local Authority Integrated Pollution Prevention And Control		
West Lindsey District Council - Environmental Health Department	November 2014	Variable
Local Authority Pollution Prevention and Controls		
West Lindsey District Council - Environmental Health Department	November 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
West Lindsey District Council - Environmental Health Department	November 2014	Variable
Nearest Surface Water Feature		
Ordnance Survey	August 2021	
Pollution Incidents to Controlled Waters		
Environment Agency - Midlands Region	December 1999	
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	Annually
River Quality	Guile 2010	7 timedily
Environment Agency - Head Office	November 2001	Not Applicable
	14040111501 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	April 2012	Annually
	April 2012	Aillidally
River Quality Chemistry Sampling Points Environment Agency - Head Office	April 2012	Annually
<u> </u>	April 2012	Annually
Substantiated Pollution Incident Register	h.h. 2004	O a wt a wh .
Environment Agency - Anglian Region - Northern Area	July 2021	Quarterly
Water Abstractions	1.1.0004	
Environment Agency - Anglian Region	July 2021	Quarterly
Environment Agency - Midlands Region	July 2021	Quarterly
Water Industry Act Referrals	0-1-1 0017	0.000
Environment Agency - Anglian Region	October 2017	Quarterly
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	May 2021	Bi-Annually

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 14 of 20



Agency & Hydrological	Version	Update Cycle
Extreme Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	September 2021	Quarterly
Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	September 2021	Quarterly
Areas Benefiting from Flood Defences		
Environment Agency - Head Office	September 2021	Quarterly
Flood Water Storage Areas		
Environment Agency - Head Office	September 2021	Quarterly
Flood Defences		
Environment Agency - Head Office	September 2021	Quarterly
OS Water Network Lines		
Ordnance Survey	July 2021	Quarterly
Surface Water 1 in 30 year Flood Extent		
Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent		
Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent		
Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability	,	
Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility		
British Geological Survey - National Geoscience Information Service	May 2013	Annually
- Tanana Coolegical Carroy Hallonal Coolegical Carroy		7
Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	November 2002	Not Applicable
Historical Landfill Sites		
Environment Agency - Head Office	May 2021	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - Anglian Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - Anglian Region - Northern Area	July 2021	Quarterly
Licensed Waste Management Facilities (Locations)	, ,	, , ,
Environment Agency - Anglian Region - Northern Area	July 2021	Quarterly
Local Authority Landfill Coverage	33., 232.	Quartony
Lincolnshire County Council	February 2003	Not Applicable
West Lindsey District Council - Environmental Health Department	February 2003	Not Applicable
Local Authority Recorded Landfill Sites	. 52.541, 2000	
Lincolnshire County Council	October 2018	
West Lindsey District Council - Environmental Health Department	October 2018	
Potentially Infilled Land (Non-Water)	23.0301 2010	
Landmark Information Group Limited	December 1999	Not Applicable
	December 1999	140t Applicable
Potentially Infilled Land (Water)	Docombos 1000	
Landmark Information Group Limited	December 1999	
Registered Landfill Sites		.,
Environment Agency - Anglian Region - Northern Area	March 2006	Not Applicable
Registered Waste Transfer Sites		
	A == :1 0040	
Environment Agency - Anglian Region - Northern Area	April 2018	
Environment Agency - Anglian Region - Northern Area  Registered Waste Treatment or Disposal Sites  Environment Agency - Anglian Region - Northern Area	Арпі 2018	

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service



Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS)	Water 2017	Ailitidally
Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements		
Lincolnshire County Council - Highways and Planning Department	August 2010	Variable
West Lindsey District Council	February 2016	Variable
Planning Hazardous Substance Consents		
Lincolnshire County Council - Highways and Planning Department	August 2007	Variable
West Lindsey District Council	February 2016	Variable
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology		N A. II. II.
British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	Annually
BGS Recorded Mineral Sites	December 2010	Aimaily
British Geological Survey - National Geoscience Information Service	May 2021	Bi-Annually
CBSCB Compensation District		,
Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	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	Annually
	April 2020	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards	,	
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas		
British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures	lub 0044	٠ المحمد المحمد
British Geological Survey - National Geoscience Information Service	July 2011	Annually

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 16 of 20



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

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 17 of 20



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

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 18 of 20



# **Data Suppliers**

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	Map dicta
Environment Agency	Environment Agency
Scottish Environment Protection Agency	S E PAP
The Coal Authority	The Coal Authority
British Geological Survey	British Geological Survey
Centre for Ecology and Hydrology	Centre for Ecology & Hydrology
Natural Resources Wales	Cyfoeth Noturiol Cyfrou Matural Resources Walke
Scottish Natural Heritage	SCOTTISH NATURAL HERITAGE 迎念河
Natural England	BNG.AND
Public Health England	Public Health England
Ove Arup	ARUP
Stantec UK Ltd	Stantec

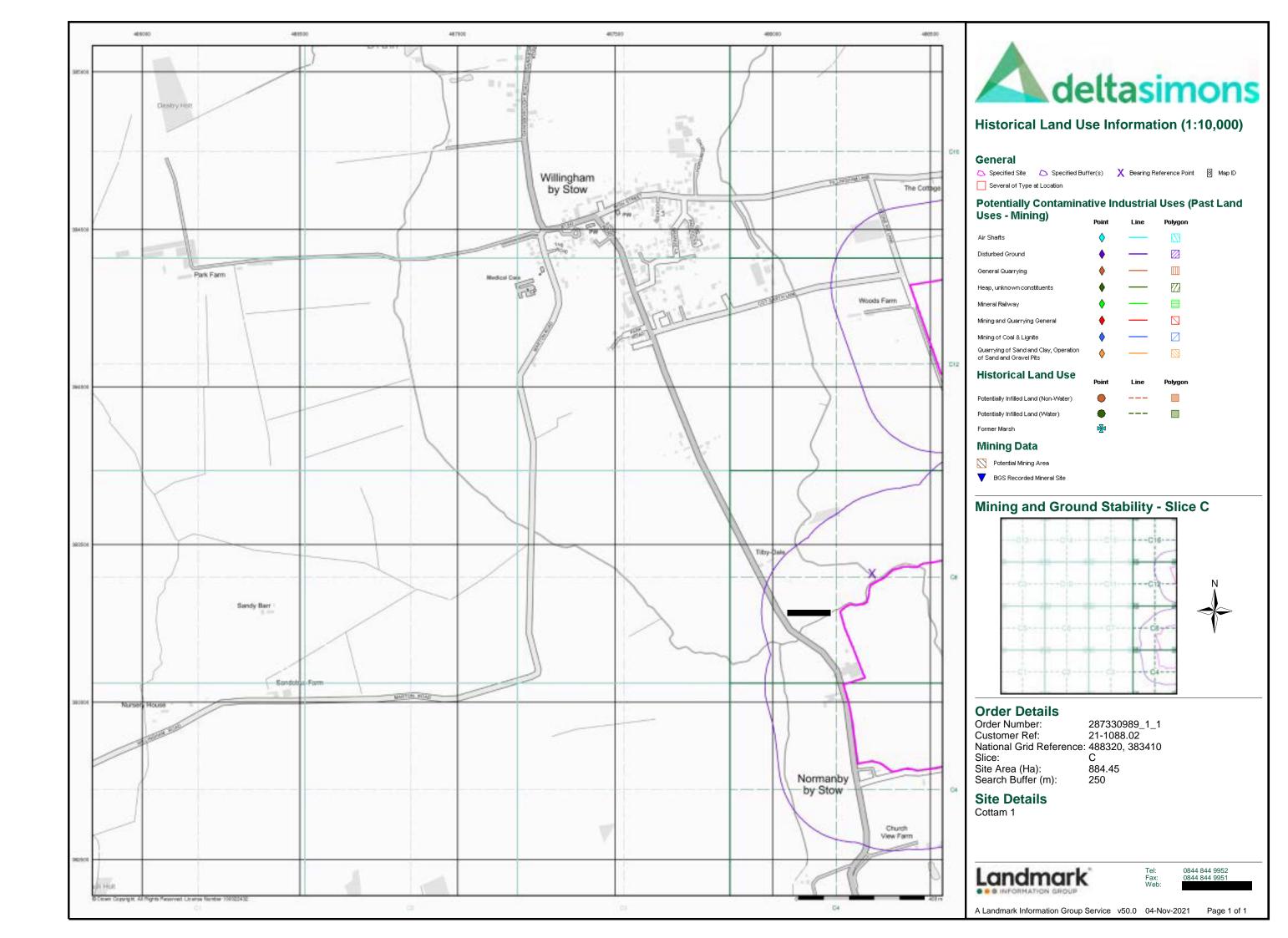


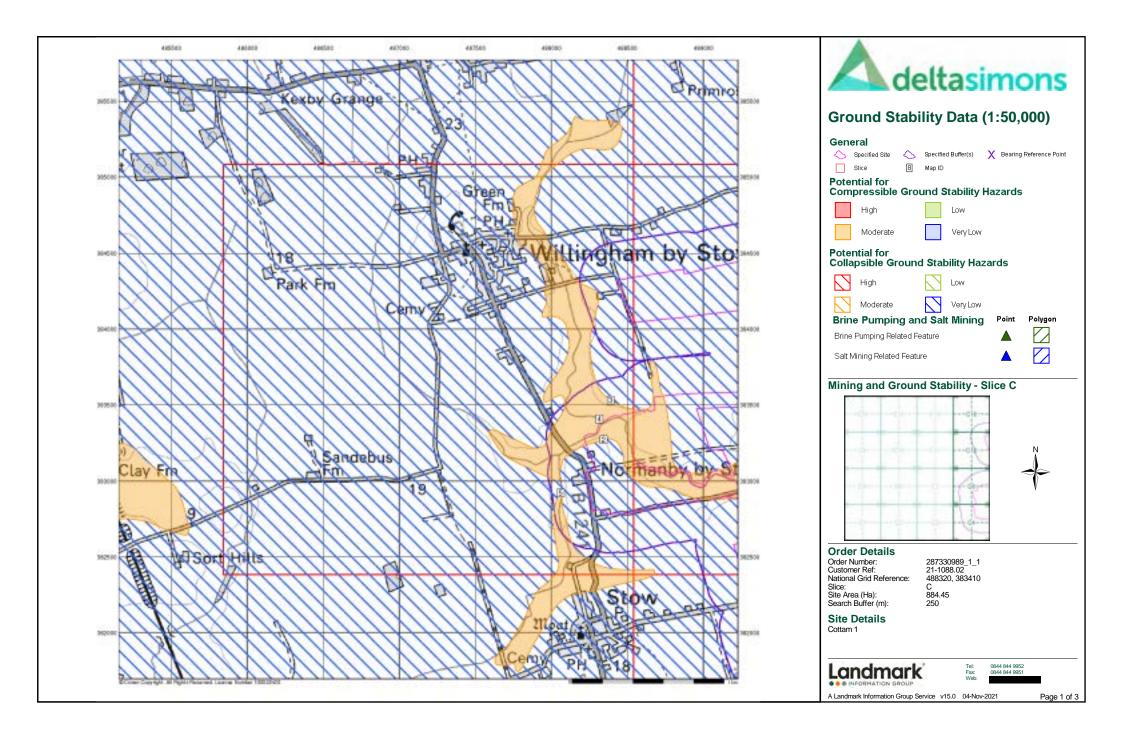
### **Useful Contacts**

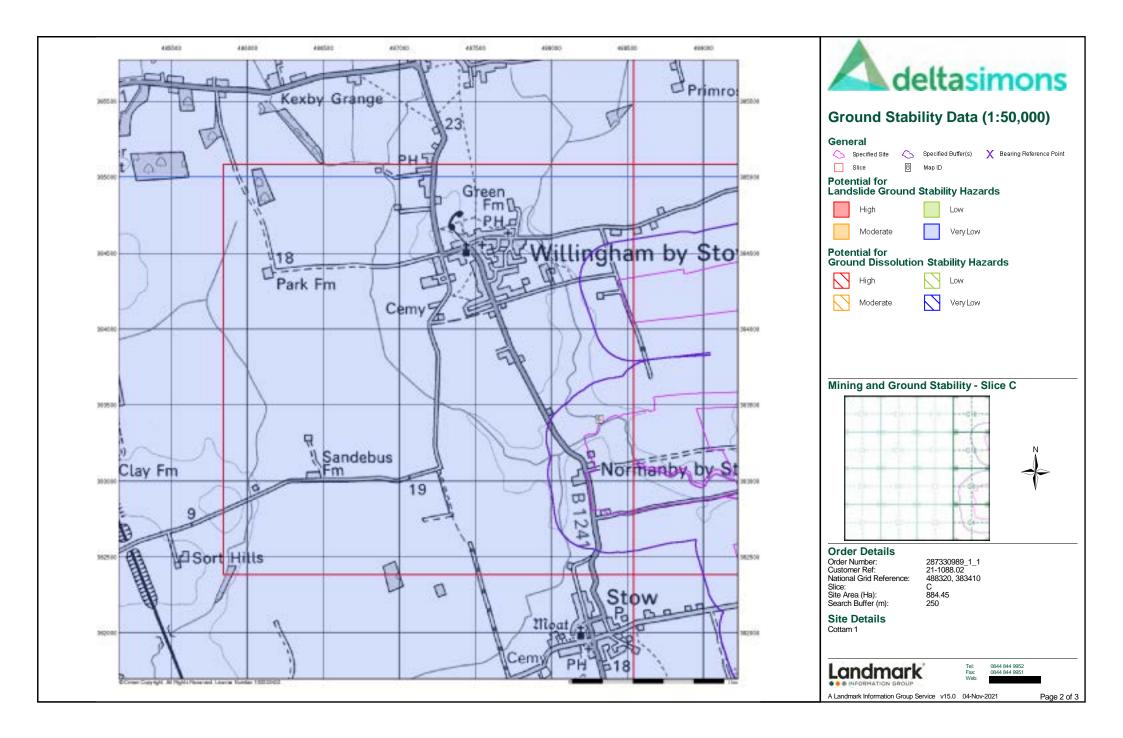
Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service  British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website:
2	Environment Agency - National 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	West Lindsey District Council - Environmental Health Department The Guildhall, Caskgate Street, Gainsborough, Lincolnshire, DN21 2DH	Telephone: 01427 676676 Fax: 01427 810623 Website: www.west-lindsey.gov.uk
6	Lincolnshire County Council 4th Floor, City Hall, Lincoln, Lincolnshire, LN1 1DN	Telephone: 01522 552222 Fax: 01522 552288 Email: PublicRelations@lincolnshire.gov.uk Website: www.lincolnshire.gov.uk
7	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website:
-	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:
-	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:

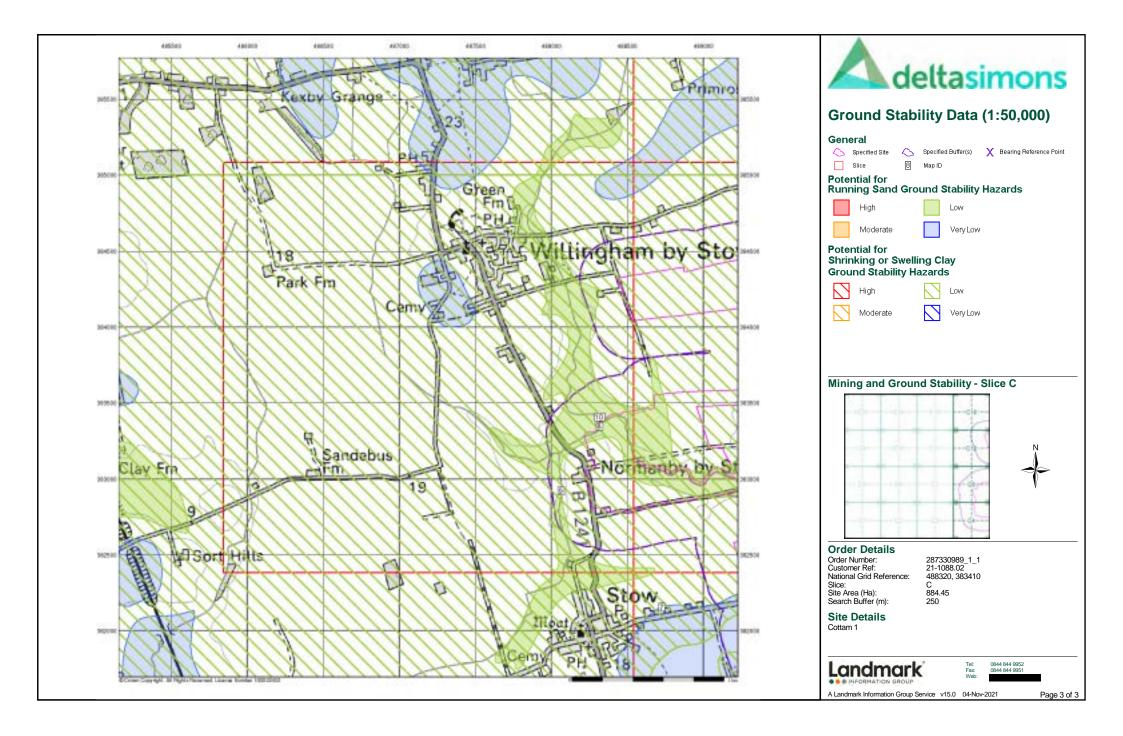
Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 20 of 20











# **Envirocheck® Report:**

# Mining and Ground Stability Datasheet

### **Order Details:**

**Order Number:** 

287330989\_1\_1

**Customer Reference:** 

21-1088.02

**National Grid Reference:** 

488320, 383410

Slice:

C

Site Area (Ha):

884.45

Search Buffer (m):

250

**Site Details:** 

Cottam 1

### **Client Details:**

Mr A Howells
Delta Simons
3 Henley Office Park
Doddington Road
Lincoln
LN6 3QR







Report Section and Details	Page Number	
Summary	-	
The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected.  For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).		
Mining and Natural Cavities Data -		
The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential		

Donart Castian and Dataila

hazards; and details of naturally formed cavities. Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas

which feature on the Historical Land Use Information (1:10,000) map.

### Historical Land Use Information (1:2,500)

Dogo Number

The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative.

For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.

### **Historical Land Use Information (1:10,000)**

The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses.

For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.

### Ground Stability Data (1:50,000)

2

The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.

Historical Map List	3		
The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.			
Data Currency	5		
Data Suppliers	6		
Useful Contacts	7		

### Copyright Notice

© Landmark Information Group Limited 2021. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, and the Environment Agency/Natural Resources Wales, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer. A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report.

© Copyright Stantec UK Limited. All rights reserved.

The brine subsidence data relating to the Driotwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

### Report Version v53.0





Data Type	Page Number	On Site	0 to 250m
Mining and Natural Cavities Data			
BGS Recorded Mineral Sites			
Coal Mining Affected Areas			n/a
Man Made Mining Cavities			
Mining Instability			n/a
Natural Cavities			
Non Coal Mining Areas of Great Britain			
Potential Mining Areas			
Historical Land Use Information (1:2,500)			
Extractive Industries or Potential Excavations from 1855-1909 (100m)			
Extractive Industries or Potential Excavations from 1893-1915 (100m)			
Extractive Industries or Potential Excavations from 1906-1937 (100m)			
Extractive Industries or Potential Excavations from 1924-1949 (100m)			
Extractive Industries or Potential Excavations from 1950-1980 (100m)	pg 1		1
Subterranean Features (100m)			
Historical Land Use Information (1:10,000)			
Air Shafts			
Disturbed Ground			
General Quarrying			
Heap, unknown constituents			
Mineral Railway			
Mining & quarrying general			
Mining of coal & lignite			
Quarrying of sand & clay, operation of sand & gravel pits			
Former Marshes			
Potentially Infilled Land (Non-Water)			
Potentially Infilled Land (Water)			
Ground Stability Data (1:50,000)			
CBSCB Compensation District			n/a
Brine Pumping Related Features			
Brine Subsidence Solution Area			
Potential for Collapsible Ground Stability Hazards	pg 2	Yes	Yes
Potential for Compressible Ground Stability Hazards	pg 2	Yes	Yes
Potential for Ground Dissolution Stability Hazards	pg 2	Yes	
Potential for Landslide Ground Stability Hazards	pg 2	Yes	
Potential for Running Sand Ground Stability Hazards	pg 2	Yes	Yes
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 2	Yes	Yes
Salt Mining Related Features			

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service





Report Version v53.0

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service



# **Historical Land Use Information (1:2,500)**

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extractive Industries or Potential Excavations from 1950-1980				
1	Use: Pond First Map Published 1975 Date: Last Map Published N/A Date:	C4NE (S)	22	-	488467 382761

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 1 of 7



# **Ground Stability Data (1:50,000)**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District					
	The site does not fall within the brine compe	nsation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence.	once colution area				
	Potential for Collapsible Ground Stability					
2	Hazard Potential: Very Low	vey, National Geoscience Information Service	C8SE (S)	0	1	488344 383271
	Potential for Collapsible Ground Stability	Hazards				
3	Hazard Potential: Very Low Source: British Geological Sur	vey, National Geoscience Information Service	C8NE (NE)	0	1	488390 383533
	Potential for Collapsible Ground Stability Hazard Potential: No Hazard Source: British Geological Sur	Hazards vey, National Geoscience Information Service	C8NE (S)	0	1	488316 383409
	Potential for Collapsible Ground Stability Hazard Potential: No Hazard Source: British Geological Sur	Hazards vey, National Geoscience Information Service	C4NW (SW)	186	1	488062 382922
4	Potential for Compressible Ground Stabil Hazard Potential: Moderate Source: British Geological Sur	ity Hazards vey, National Geoscience Information Service	C8NE (S)	0	1	488316 383409
5	Potential for Compressible Ground Stabil Hazard Potential: Moderate Source: British Geological Sur	ity Hazards vey, National Geoscience Information Service	C4NW (SW)	186	1	488062 382922
	Potential for Compressible Ground Stabil Hazard Potential: No Hazard	ity Hazards	C8SE	0	1	488344
		vey, National Geoscience Information Service	(S)			383271
	Potential for Compressible Ground Stabil Hazard Potential: No Hazard Source: British Geological Sur	ity Hazards  /ey, National Geoscience Information Service	C8NE (NE)	0	1	488390 383533
	Potential for Ground Dissolution Stability Hazard Potential: No Hazard Source: British Geological Sur	Hazards  vey, National Geoscience Information Service	C8NE (S)	0	1	488316 383409
	Potential for Landslide Ground Stability F	lazards				
6	Hazard Potential: Very Low Source: British Geological Sur	vey, National Geoscience Information Service	C8NE (S)	0	1	488316 383409
7	Potential for Running Sand Ground Stabi Hazard Potential: Very Low Source: British Geological Sur	lity Hazards vey, National Geoscience Information Service	(S)	0	1	488725 382156
8	Potential for Running Sand Ground Stabi Hazard Potential: Low Source: British Geological Sur	lity Hazards vey, National Geoscience Information Service	C8NE (S)	0	1	488316 383409
9	Potential for Running Sand Ground Stabi Hazard Potential: Low Source: British Geological Sur	lity Hazards /ey, National Geoscience Information Service	C4NW (SW)	186	1	488062 382922
	Potential for Running Sand Ground Stabi Hazard Potential: No Hazard Source: British Geological Sur	lity Hazards vey, National Geoscience Information Service	C8NE (NE)	0	1	488390 383533
	Potential for Running Sand Ground Stabi Hazard Potential: No Hazard Source: British Geological Sur	lity Hazards  vey, National Geoscience Information Service	C8SE (S)	0	1	488344 383271
10	Potential for Shrinking or Swelling Clay Clay Clay Potential: Low	•	C8NE (S)	0	1	488316 383409
	Potential for Shrinking or Swelling Clay G Hazard Potential: No Hazard Source: British Geological Sur	round Stability Hazards vey, National Geoscience Information Service	(SE)	44	1	489159 382076

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Pag



# **Historical Map List**

### The following mapping has been analysed for Historical Land Use Information (1:2,500):

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	SK8885	1972
Ordnance Survey Plan	SK8785	1973
Ordnance Survey Plan	SK8782	1975
Ordnance Survey Plan	SK8783	1975
Ordnance Survey Plan	SK8783	1975
Ordnance Survey Plan	SK8783	1975
Ordnance Survey Plan	SK8784	1975
Ordnance Survey Plan	SK8784	1975
Ordnance Survey Plan	SK8882	1975
Ordnance Survey Plan	SK8883	1975
Ordnance Survey Plan	SK8883	1975
Ordnance Survey Plan	SK8883	1975
Ordnance Survey Plan	SK8884	1975
Ordnance Survey Plan	SK8884	1975



# **Historical Map List**

### The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Lincolnshire	051_NW	1890
Lincolnshire	051_SE	1890
Lincolnshire	051_SW	1890
Lincolnshire	051_NE	1891
Nottinghamshire	011_SW	1906
Lincolnshire	051_SW	1906
Nottinghamshire	011_NW	1907
Lincolnshire	051_NE	1907
Lincolnshire	051_NW	1907
Lincolnshire	051_SE	1907
Nottinghamshire	011_NW	1921
Lincolnshire	051_NW	1921
Nottinghamshire	011_SW	1922
Lincolnshire	051_SW	1922
Lincolnshire	051_NE	1947
Lincolnshire	051_NW	1947
Lincolnshire	051_SE	1947
Lincolnshire	051_SW	1947
Ordnance Survey Plan	SK88NE	1956
Ordnance Survey Plan	SK88SE	1956
1:10,000	Mapsheet	Published Date
Ordnance Survey Plan	SK88NE	1980
Ordnance Survey Plan	SK88SE	1981



Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites		
British Geological Survey - National Geoscience Information Service	May 2021	Bi-Annually
Coal Mining Affected Areas		
The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Man Made Mining Cavities		
Stantec UK Ltd	May 2021	Bi-Annually
Mining Instability		
Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities		
Stantec UK Ltd	May 2021	Bi-Annually
Non Coal Mining Areas of Great Britain		
British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	Version	Update Cycle
Subterranean Features		
Landmark Information Group Limited	February 2020	Bi-Annually
Ground Stability Data (1:50,000)	Version	Update Cycle
CBSCB Compensation District		
Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	As notified
Potential for Collapsible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	April 2020	Annually
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards	January 2019	Annually

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 5 of 7



# **Data Suppliers**

A selection of organisations who provide data within this report

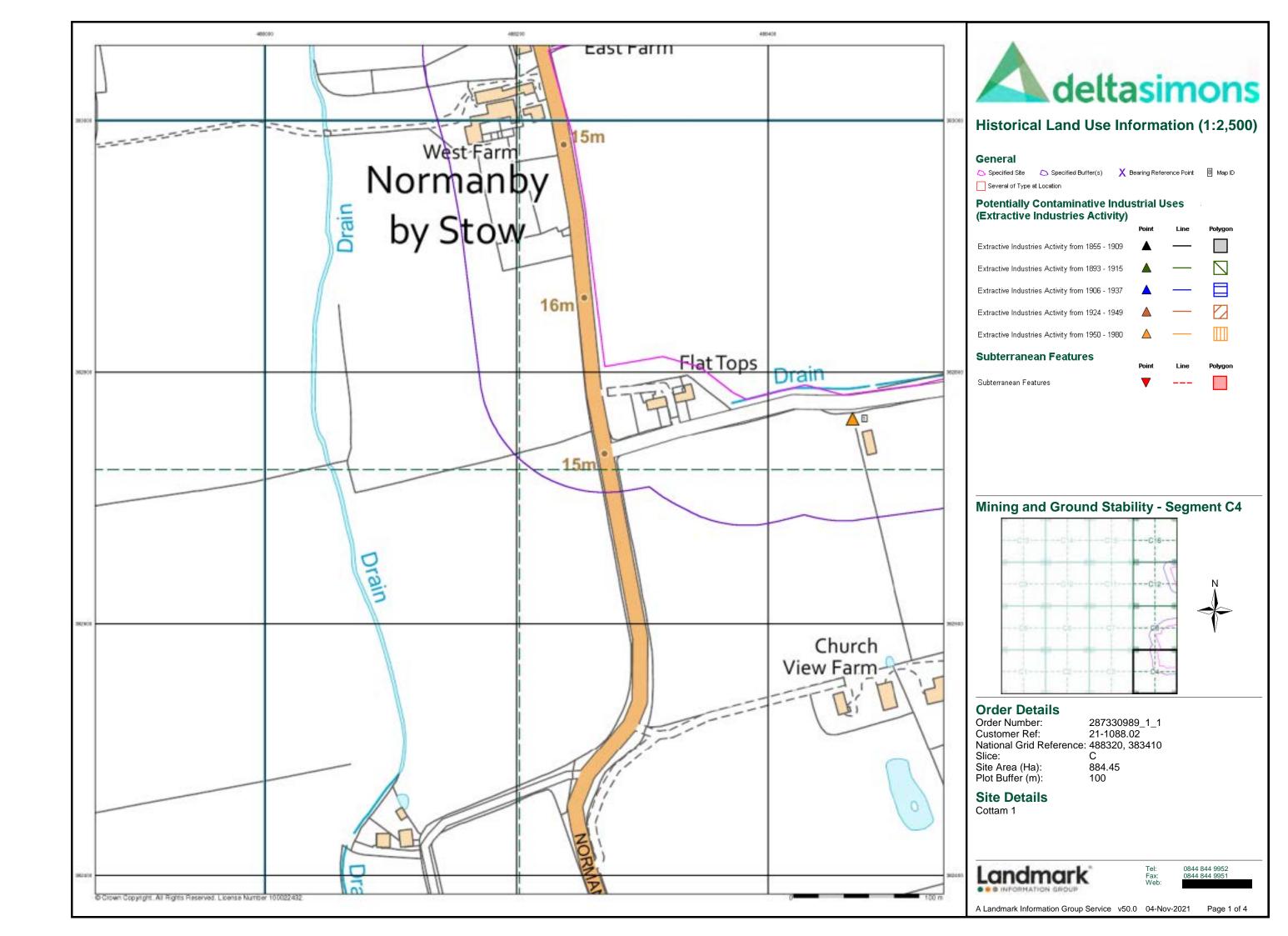
Data Supplier	Data Supplier Logo
Ordnance Survey	Map duta
British Geological Survey	British Geological Survey HATURAL BAYERORMENT REBEASCH COUNCIL
The Coal Authority	The Coal Authority
Ove Arup	ARUP
Stantec UK Ltd	Stantec
Wardell Armstrong	your yearth our world
Johnson Poole & Bloomer	JPB

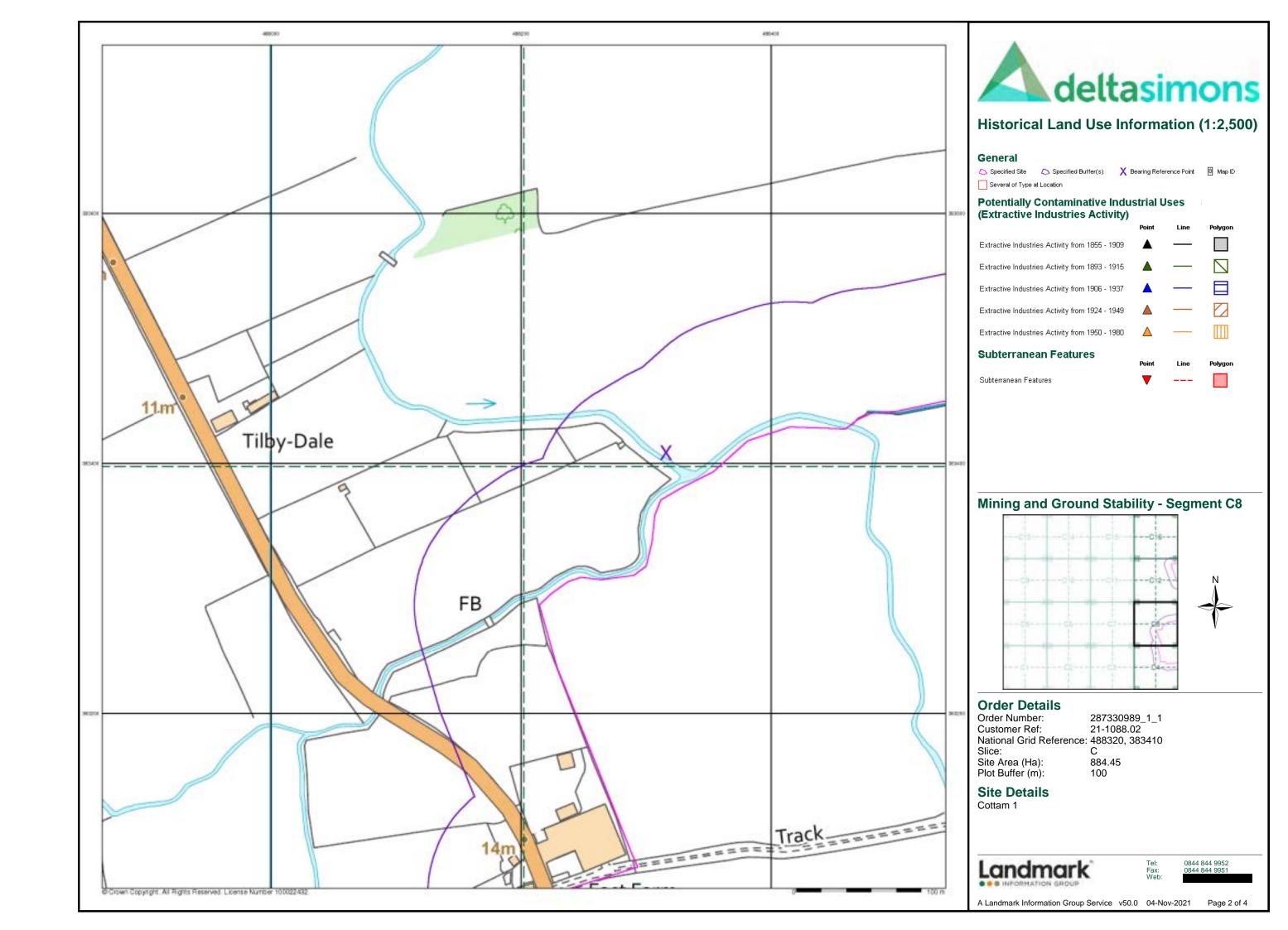


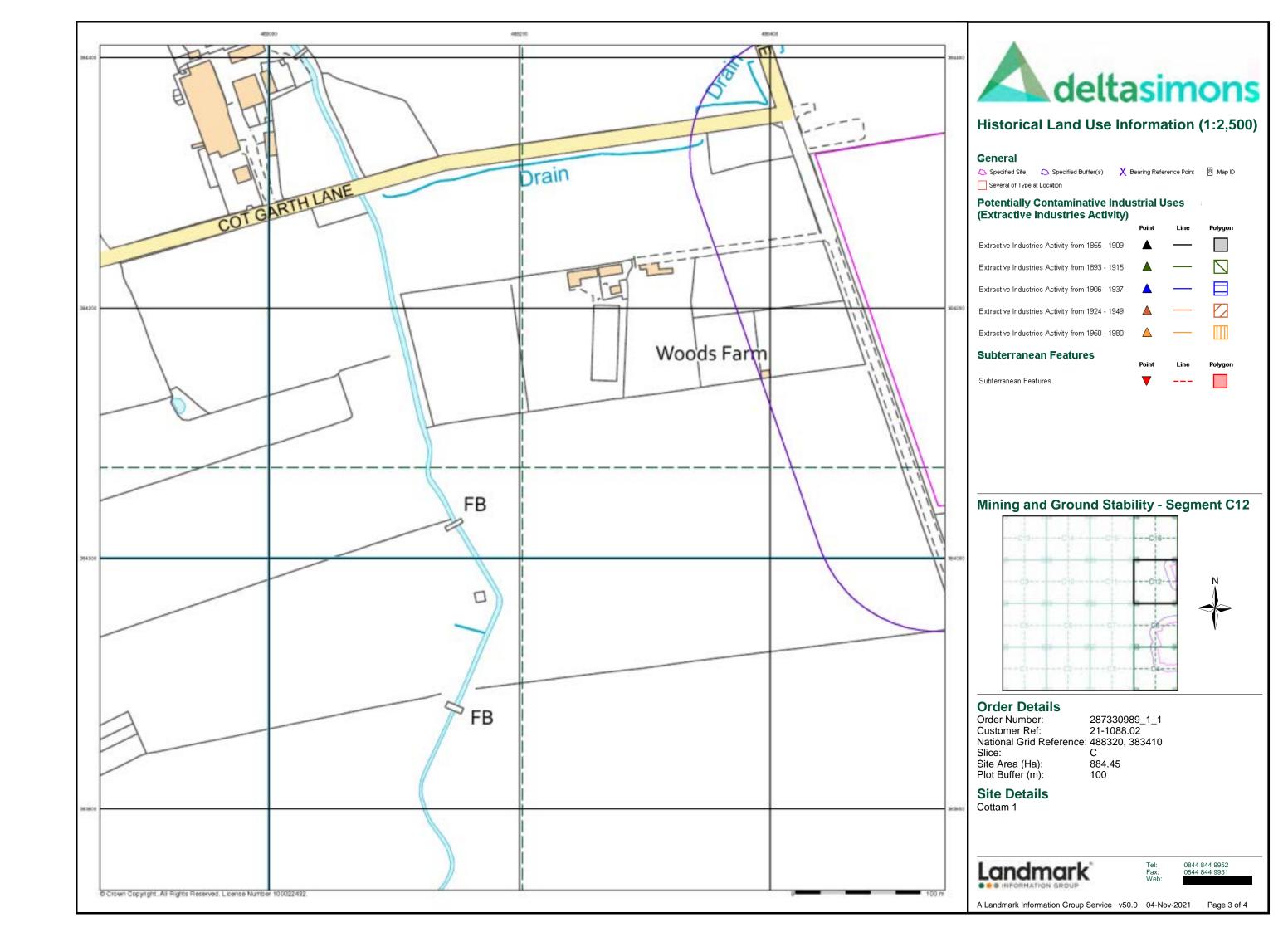
### **Useful Contacts**

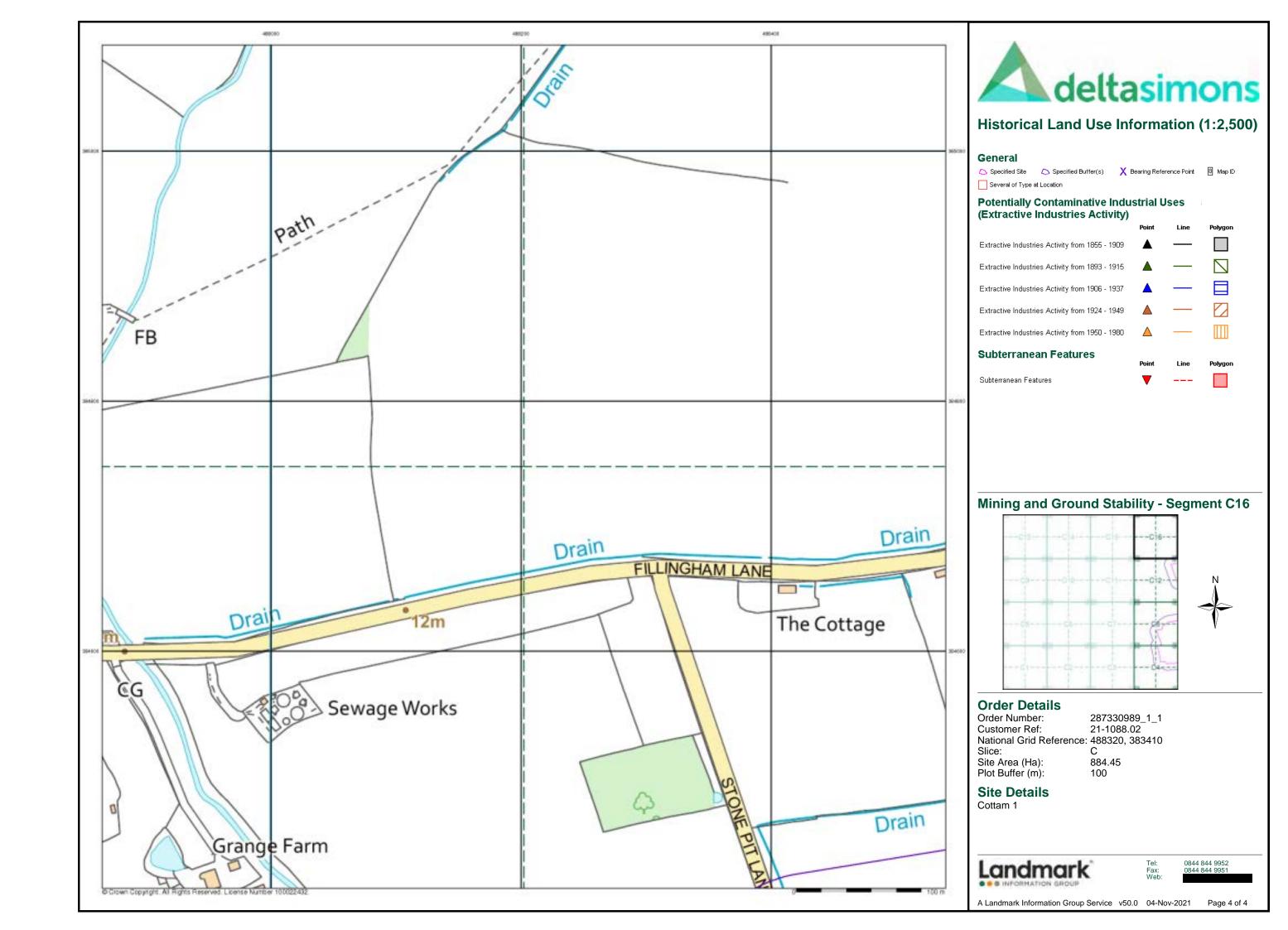
Contact	Name and Address	Contact Details	
1	British Geological Survey - Enquiry Service  British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website:	
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website:	

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 7 of 7









### **Geology 1:50,000 Maps Legends**

### **Superficial Geology**

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	TILMP	Till, Mid Pleistocene	Diamicton	Not Supplied - Cromerian
	GFDMP	Glaciofluvial Deposits, Mid Pleistocene	Sand and Gravel	Not Supplied - Cromerian
	HPSG	Holme Pierrepont Sand and Gravel Member	Sand and Gravel	Not Supplied - Pleistocene

#### **Bedrock and Faults**

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	SMD	Scunthorpe Mudstone Formation	Mudstone and Limestone, Interbedded	Not Supplied - Rhaetian
		Faults		



### Geology 1:50,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslip deposits, superficial

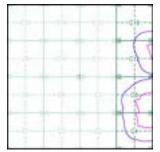
geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

### Geology 1:50,000 Maps Coverage

Map ID: Map Sheet No: Map Name: Market Rasen

1999 Map Date: Available Superficial Geology: Artificial Geology: Not Available Not Supplied Landslip: Not Available

### Geology 1:50,000 Maps - Slice C





#### **Order Details:**

Order Number: Customer Reference: National Grid Reference:

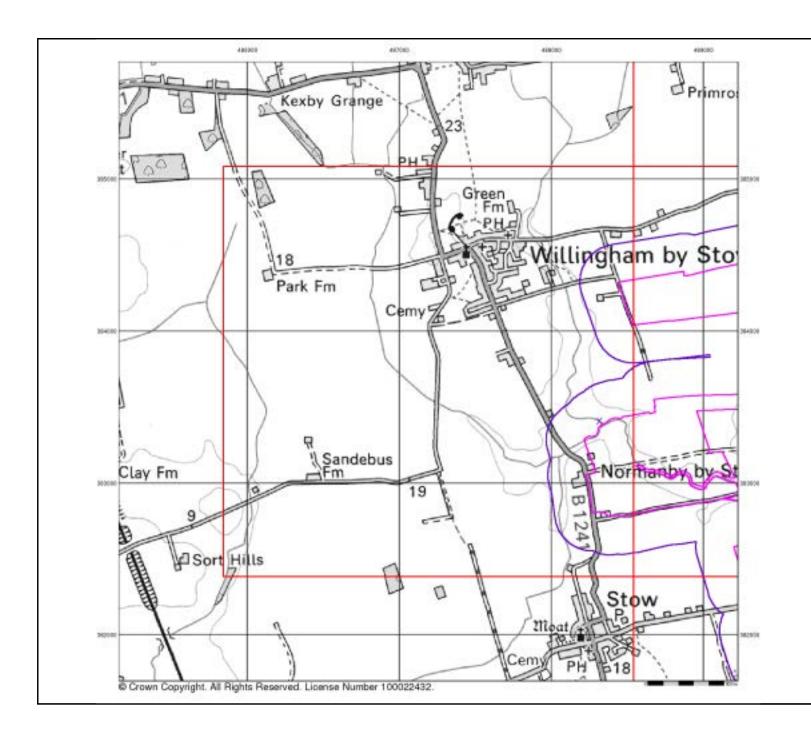
488320, 383410 C 884.45 Site Area (Ha): Search Buffer (m):

Site Details:

Cottam 1



287330989\_1\_1 21-1088.02





#### **Artificial Ground and Landslip**

Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground man-made deposits such as embankments and spoil heaps on the natural ground surface.

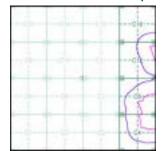
  - Worked ground - areas where the ground has been cut away such as
- quarries and road cuttings.
- Infilled ground areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground areas where the surface has been reshaped.
   Disturbed ground areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

287330989\_1\_1 21-1088.02

488320, 383410

### Artificial Ground and Landslip Map - Slice C





### **Order Details:**

Order Number: Customer Reference: National Grid Reference:

C 884.45 Site Area (Ha): Search Buffer (m): 250

Site Details:

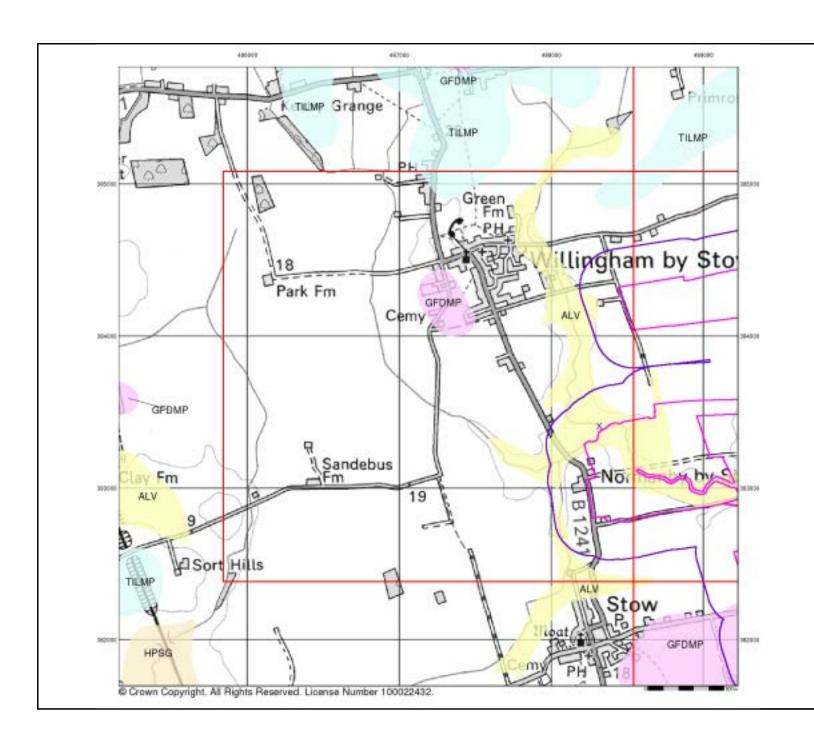
Cottam 1



0844 844 9952 0844 844 9951

v15.0 04-Nov-2021

Page 2 of 5





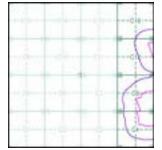
### **Superficial Geology**

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

### Superficial Geology Map - Slice C





### **Order Details:**

Order Number: Customer Reference: National Grid Reference:

C 884.45 Site Area (Ha): Search Buffer (m): 250

287330989\_1\_1 21-1088.02

488320, 383410

Site Details:

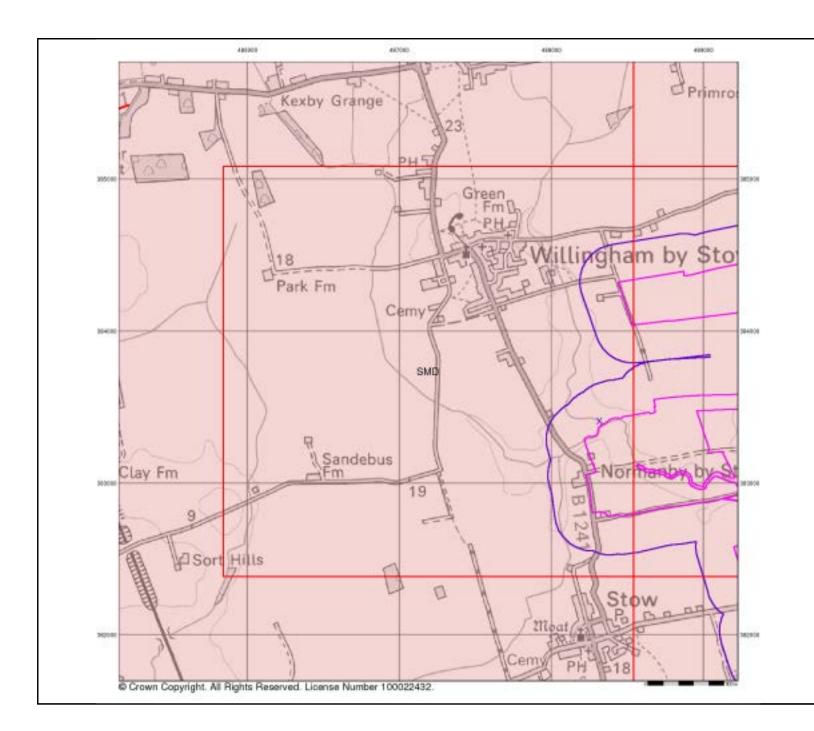
Cottam 1



0844 844 9952 0844 844 9951

v15.0 04-Nov-2021

Page 3 of 5





#### **Bedrock and Faults**

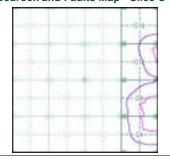
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

### Bedrock and Faults Map - Slice C



287330989\_1\_1 21-1088.02

488320, 383410



### **Order Details:**

Order Number: Customer Reference: National Grid Reference:

C 884.45 Site Area (Ha): Search Buffer (m): 250

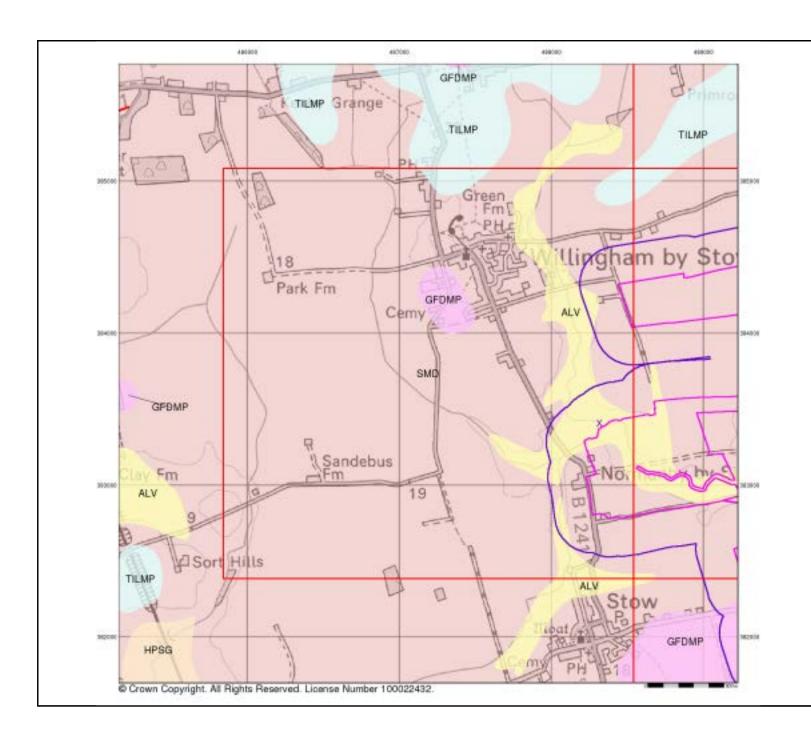
Site Details:

Cottam 1



0844 844 9952 0844 844 9951

v15.0 04-Nov-2021





### **Combined Surface Geology**

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

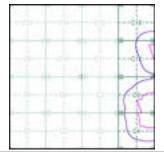
#### **Additional Information**

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

#### Contact

British Geological Survey Kingsley Dunham Centre Keyworth Nottingham NG12 5GG Telephone: 0115 936 3143 Fax: 0115 936 3276 email: enquiries@bgs.ac.uk website: www.bgs.ac.uk

### Combined Geology Map - Slice C





### **Order Details:**

Order Number: Customer Reference: National Grid Reference: Slice:

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

Site Details: Cottam 1

Landmark

Tel: 06

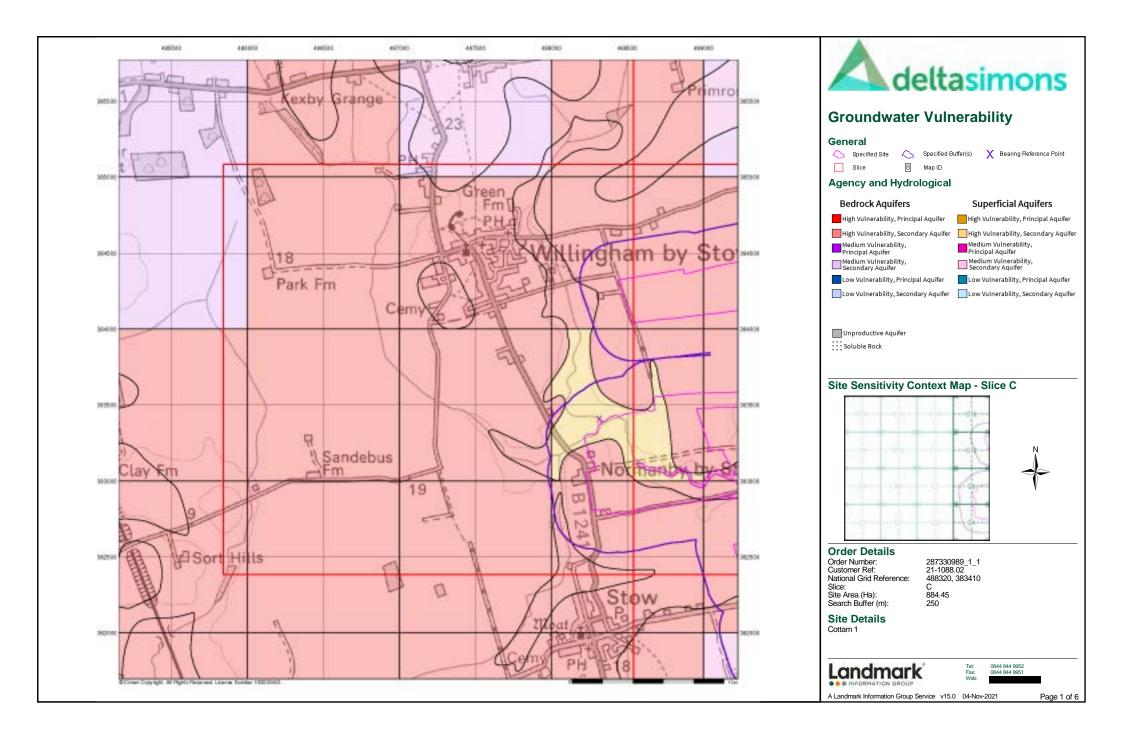
287330989\_1\_1 21-1088.02

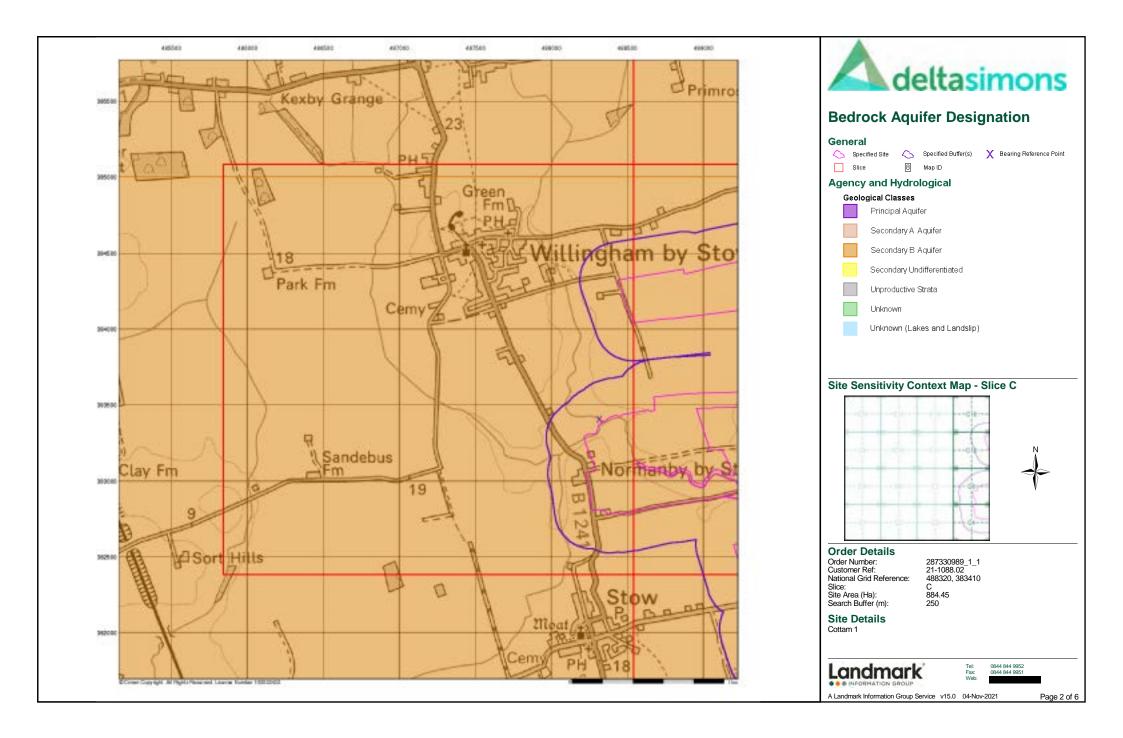
488320, 383410 C 884.45

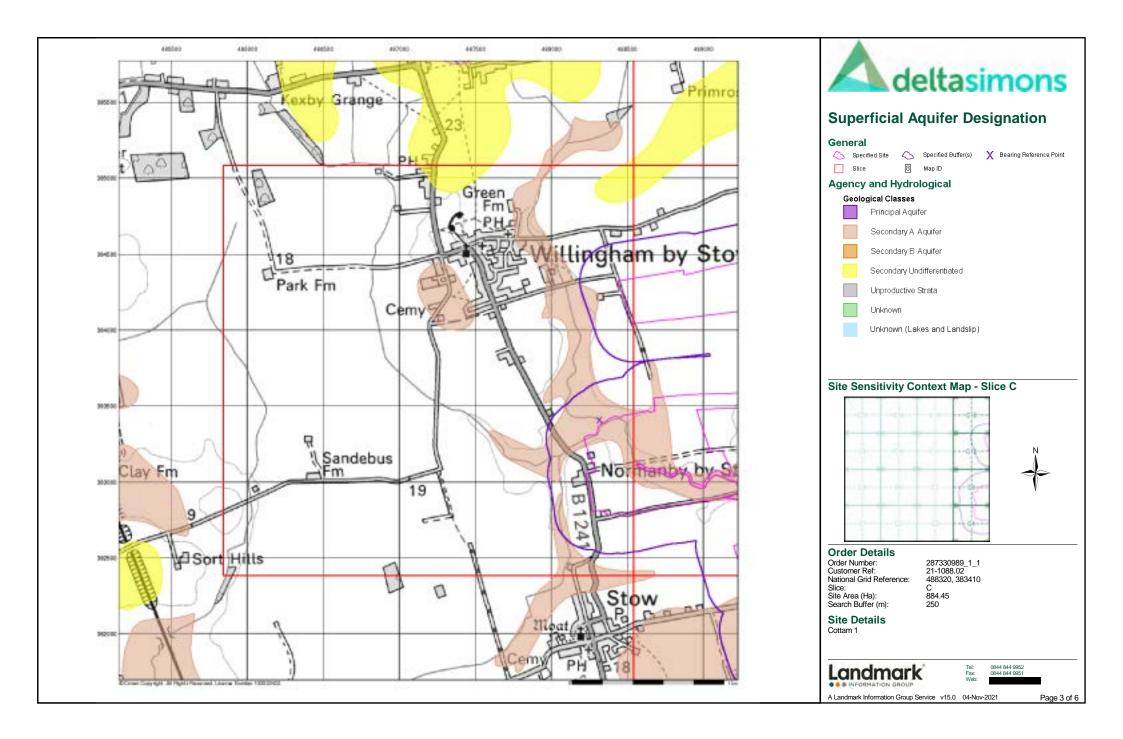
250

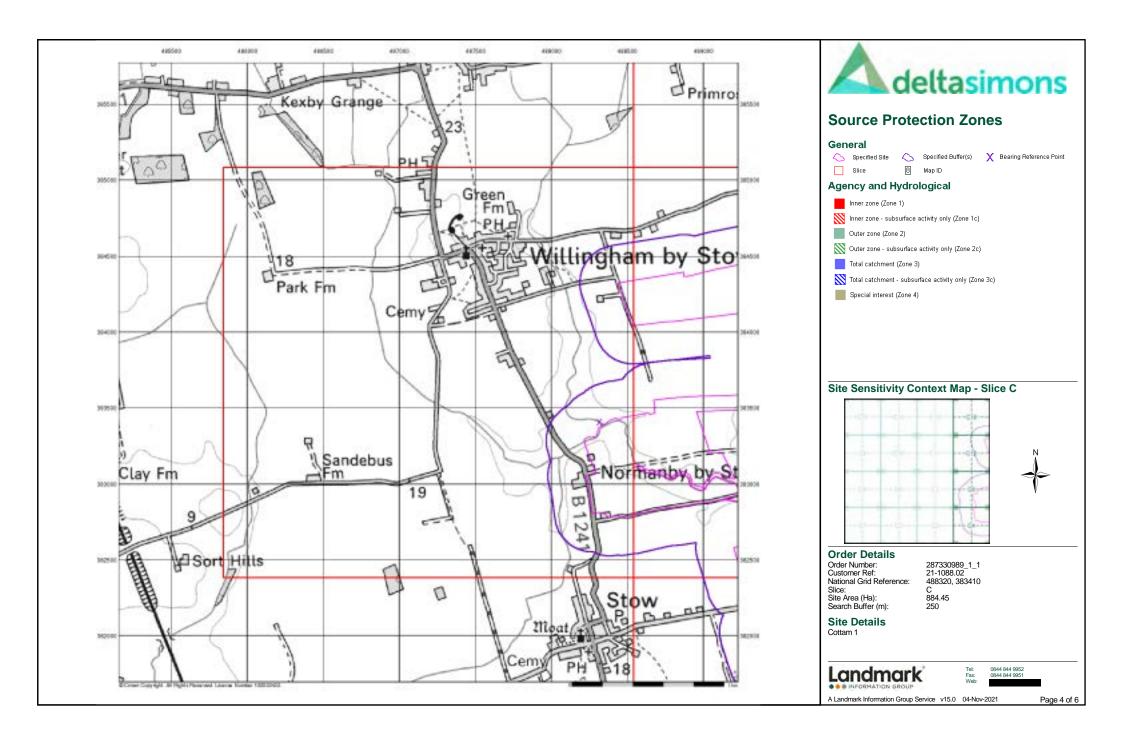
0844 844 9952 0844 844 9951

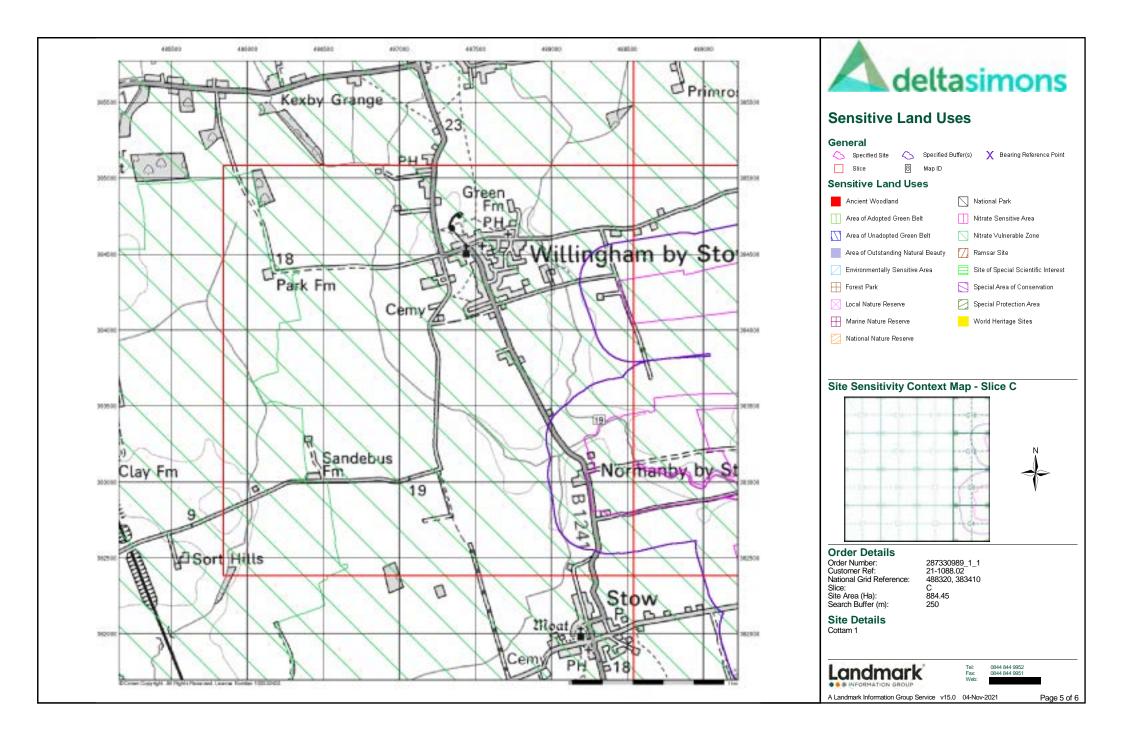
ANAMATION GROUP

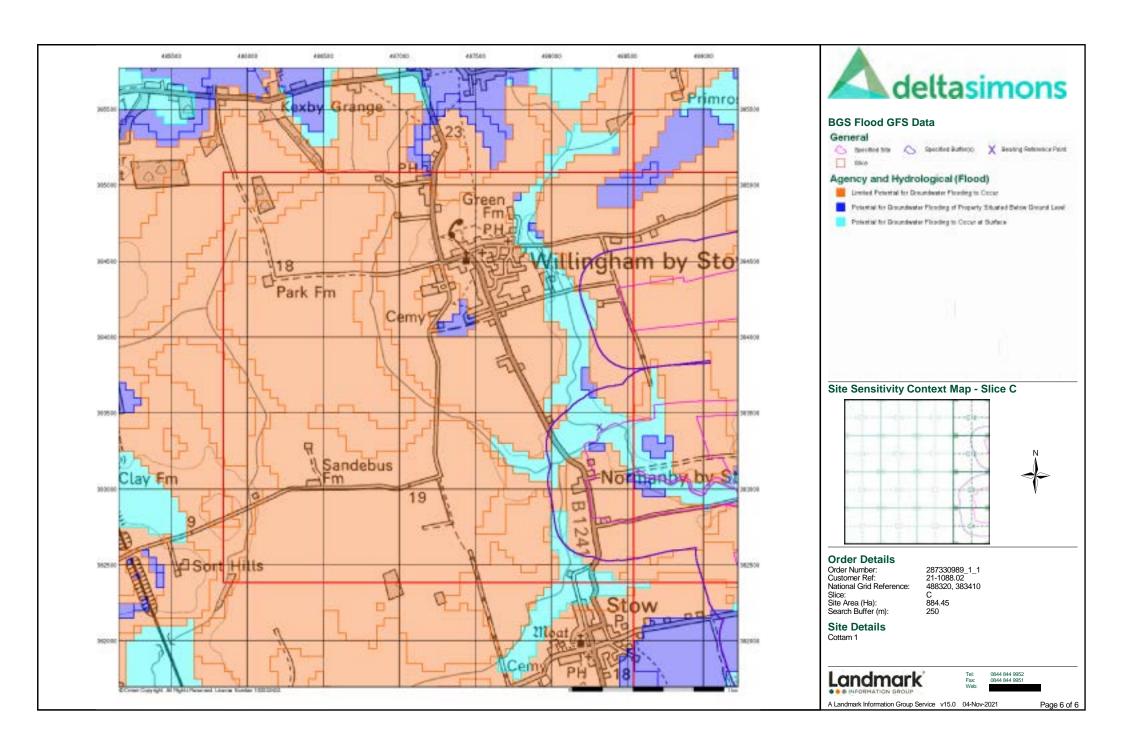














## **Envirocheck® Report:**

## **Datasheet**

### **Order Details:**

Order Number:

287330989\_1\_1

**Customer Reference:** 

21-1088.02

**National Grid Reference:** 

489670, 383750

Slice:

D

Site Area (Ha):

884.45

Search Buffer (m):

250

### **Site Details:**

Cottam 1

## **Client Details:**

Mr A Howells Delta Simons 3 Henley Office Park Doddington Road Lincoln LN6 3QR







Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	31
Hazardous Substances	-
Geological	32
Industrial Land Use	-
Sensitive Land Use	37
Data Currency	38
Data Suppliers	43
Useful Contacts	44

#### 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

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.

### Copyright Notice

© Landmark Information Group Limited 2021. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, the Environment Agency/Natural Resources Wales and Natural England, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer.

method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer.

A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report.

© Environment Agency & United Kingdom Research and Innovation 2021. © Natural Resources Wales & United Kingdom Research and Innovation 2021.

### **Natural England Copyright Notice**

Site of Special Scientific Interest, National Nature Reserve, Ramsar, Special Protection Area, Special Conservation Area, Marine Nature Reserve data (derived from Ordnance Survey 1:10000 raster) is provided by, and used with the permission of, Natural England who retain the copyright and Intellectual Property Rights for the data.

### Scottish Natural Heritage Copyright

Contains SNH information licensed under the Open Government Licence v3.0.

### Ove Arup Copyright Notice

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

### Stantec Copyright Notice

The cavity data presented has been extracted from the PBA (now Stantec UK Ltd) enhanced version of the original DEFRA national cavity databases. Stantec UK Ltd retain the copyright & intellectual property rights in the data. Whilst all reasonable efforts are made to check that the information contained in the cavity databases is accurate we do not warrant that the data is complete or error free. The information is based upon our own researches and those collated from a number of external sources and is continually being augmented and updated by Stantec UK Ltd. In no event shall Stantec UK Ltd or Landmark be liable for any loss or damage including, without limitation, indirect or consequential loss or damage arising from the use of this data.

### Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England.

### Natural Resources Wales Copyright Notice

Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Contains Ordnance Survey Data. Ordnance Survey Licence number 100019741. Crown Copyright and Database Right. Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Some features of this information are based on digital spatial data licensed from the Centre for Ecology & Hydrology © NERC (CEH). Defra, Met Office and DARD Rivers Agency © Crown copyright. © Cranfield University. © James Hutton Institute. Contains OS data © Crown copyright and database right 2021. Land & Property Services © Crown copyright and database right.

Report Version v53.0



Data Type	Page Number	On Site	0 to 250m (*up to 500m)
Agency & Hydrological			
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes
Contaminated Land Register Entries and Notices			
Discharge Consents			
Prosecutions Relating to Controlled Waters			n/a
Enforcement and Prohibition Notices			
Integrated Pollution Controls			
Integrated Pollution Prevention And Control			
Local Authority Integrated Pollution Prevention And Control			
Local Authority Pollution Prevention and Controls			
Local Authority Pollution Prevention and Control Enforcements			
Nearest Surface Water Feature		Yes	
Pollution Incidents to Controlled Waters			
Prosecutions Relating to Authorised Processes			
Registered Radioactive Substances			
River Quality	pg 4	1	
River Quality Biology Sampling Points			
River Quality Chemistry Sampling Points			
Substantiated Pollution Incident Register			
Water Abstractions			
Water Industry Act Referrals			
Groundwater Vulnerability Map	pg 4	Yes	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a
Groundwater Vulnerability - Local Information			n/a
Bedrock Aquifer Designations	pg 14	Yes	n/a
Superficial Aquifer Designations	pg 15	Yes	n/a
Source Protection Zones			
Extreme Flooding from Rivers or Sea without Defences	pg 15	Yes	Yes
Flooding from Rivers or Sea without Defences	pg 16	Yes	Yes
Areas Benefiting from Flood Defences			
Flood Water Storage Areas			
Flood Defences	pg 16	Yes	Yes
OS Water Network Lines	pg 17	36	86



Data Type	Page Number	On Site	0 to 250m (*up to 500m)
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 31	2	n/a
Local Authority Recorded Landfill Sites			
Potentially Infilled Land (Non-Water)			
Potentially Infilled Land (Water)			
Registered Landfill Sites			
Registered Waste Transfer Sites			
Registered Waste Treatment or Disposal Sites			
Hazardous Substances			
Control of Major Accident Hazards Sites (COMAH)			
Explosive Sites			
Notification of Installations Handling Hazardous Substances (NIHHS)			
Planning Hazardous Substance Consents			
Planning Hazardous Substance Enforcements			



Data Type	Page Number	On Site	0 to 250m (*up to 500m)
Geological			
BGS 1:625,000 Solid Geology	pg 32	Yes	n/a
BGS Estimated Soil Chemistry	pg 32	Yes	Yes
BGS Recorded Mineral Sites			
BGS Urban Soil Chemistry			
BGS Urban Soil Chemistry Averages			
CBSCB Compensation District			n/a
Coal Mining Affected Areas			n/a
Mining Instability			n/a
Man-Made Mining Cavities			
Natural Cavities			
Non Coal Mining Areas of Great Britain			
Potential for Collapsible Ground Stability Hazards	pg 33	Yes	Yes
Potential for Compressible Ground Stability Hazards	pg 33	Yes	Yes
Potential for Ground Dissolution Stability Hazards			
Potential for Landslide Ground Stability Hazards	pg 34	Yes	
Potential for Running Sand Ground Stability Hazards	pg 34	Yes	Yes
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 35	Yes	
Radon Potential - Radon Affected Areas			n/a
Radon Potential - Radon Protection Measures			n/a
Industrial Land Use			
Contemporary Trade Directory Entries			
Fuel Station Entries			
Points of Interest - Commercial Services			
Points of Interest - Education and Health			
Points of Interest - Manufacturing and Production			
Points of Interest - Public Infrastructure			
Points of Interest - Recreational and Environmental			
Gas Pipelines			
Underground Electrical Cables			



Data Type	Page Number	On Site	0 to 250m (*up to 500m)
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 37	1	
Ramsar Sites			
Sites of Special Scientific Interest			
Special Areas of Conservation			
Special Protection Areas			
World Heritage Sites			



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	0	1	489950 381950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D10NE (N)	0	1	489673 384250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(S)	0	1	489650 382250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D5SW (SW)	0	1	488800 383350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D10SW (W)	0	1	489400 383749
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	1	488350 383300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D2NE (S)	0	1	489673 382800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D5SW (SW)	0	1	488550 383100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D5SE (SW)	0	1	488900 383100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	0	1	491750 382150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D10NE (N)	0	1	489600 384250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D10SW (NW)	0	1	489400 384050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D5SE (SW)	0	1	489150 383100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	0	1	490000 381900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	0	1	490050 382300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D1NW (SW)	0	1	488750 383000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D5NW (W)	0	1	488650 383700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	0	1	491800 385800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D9NW (NW)	0	1	488800 384350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	0	1	491900 384350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	0	1	491900 382850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D2NW (S)	0	1	489400 382900

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D10SE	0 1	0 1	489700
	BGS Groundwater Flooding Susceptibility	(NE)			383800
	Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	0	1	491650 384250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	0	1	491750 385600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D1NE	0	1	489150
	BGS Groundwater Flooding Susceptibility	(SW)			382900
	Flooding Type: Limited Potential for Groundwater Flooding to Occur	D10NW (NW)	0	1	489350 384400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D10NW	0	1	489500
	BGS Groundwater Flooding Susceptibility	(N)			384300
	Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D16NW (NE)	0	1	490600 384750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	1	489550 382300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D3SW	0	1	489900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	0	1	382550 490050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S) (S)	0	1	382600 490100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	D15NW	0	1	381800 490000
	BGS Groundwater Flooding Susceptibility	(N)	0		385000
	Flooding Type: Limited Potential for Groundwater Flooding to Occur	D2NE (S)	0	1	489800 382850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D3NW	0	1	490000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(S) D10SE	0	1	382850 489673
	BGS Groundwater Flooding Susceptibility	(W)	0	' 	383749
	Flooding Type: Potential for Groundwater Flooding to Occur at Surface	D11SW (E)	0	1	490000 383749
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D11NW (NE)	8	1	490150 384400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D2NE	12	1	489750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S) (S)	17	1	382850 489750
	BGS Groundwater Flooding Susceptibility				381850
	Flooding Type: Potential for Groundwater Flooding to Occur at Surface	D14SE (N)	21	1	489673 384500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D14SE (N)	21	1	489700 384500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D6SW (SW)	22	1	489250 383150

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service



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	D11NW (NE)	33	1	490000 384350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D9SW (W)	39	1	488750 383749
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D3NW (SE)	59	1	490150 383000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	83	1	489200 382300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(S)	94	1	489250 381800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(S)	97	1	489250 382250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	126	1	488100 383150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	D1SW (SW)	164	1	488650 382400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D6SW (SW)	168	1	489500 383350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	182	1	491250 384250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D7SW (SE)	195	1	489950 383200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	198	1	488100 383550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	200	1	488100 383750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	200	1	488300 383700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D9SW (W)	204	1	488700 383800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D15SW (N)	208	1	490000 384650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D7SW (SE)	209	1	490000 383200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	D15NW (N)	221	1	490050 384850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	227	1	490050 385100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D6NE (S)	237	1	489700 383550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	246	1	488000 382950
	Nearest Surface Water Feature	D3SE (SE)	0	-	490329 382636

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	River Quality					
	Name: GQA Grade: Reach: Estimated Distance (km): Flow Rate:	Till River Quality D Kexby BeckCricket Till 7.7 Flow less than 0.62 cumecs	D2NW (S)	0	2	489447 382928
	Flow Type: Year:	River 2000				
	Groundwater Vulne	erability Map				
	Combined Classification: Combined	Secondary Superficial Aquifer - Medium Vulnerability  Medium	(S)	0	3	489673 382000
	Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed: Bedrock Flow:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Well Connected Fractures				
	Dilution: Baseflow Index: Superficial	<300 mm/year 40-70% >90%				
	Patchiness: Superficial Thickness:	<3m				
	Superficial Recharge:	No Data				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	D14SE (N)	0	3	489707 384477
	Combined Vulnerability: Combined Aquifer:	High  Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed: Bedrock Flow: Dilution:	Low Well Connected Fractures				
	Baseflow Index: Superficial Patchiness:	<300 mm/year 40-70% <90%				
	Superficial Thickness: Superficial	<3m No Data				
	Recharge:	No Bala				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	D11SE (E)	0	3	490343 384000
	Combined Vulnerability:	Medium	(=)			004000
	Combined Aquifer: Pollutant Speed: Bedrock Flow:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Well Connected Fractures				
	Dilution: Baseflow Index: Superficial	<300 mm/year 40-70% <90%				
	Patchiness: Superficial	<3m				
	Thickness: Superficial Recharge:	Low				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	D16NW (NE)	0	3	490883 385000
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed: Bedrock Flow:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Well Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial Patchiness: Superficial	<90% <3m				
	Thickness: Superficial	Low				
	Recharge:					



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	D15NE (NE)	0	3	490356 384912
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness: Superficial	<3m				
	Thickness: Superficial	Low				
	Recharge:	Low				
	Groundwater Vulne	• •	D440\4			400400
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	D11SW (NE)	0	3	490139 384000
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness: Superficial	<3m				
	Thickness: Superficial Recharge:	Low				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	D15SW (NE)	0	3	490207 384417
	Combined Vulnerability:	Medium	(142)			001111
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow:	Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness:					
	Superficial Thickness:	<3m				
	Superficial Recharge:	Low				
	Groundwater Vulne					
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	(NE)	0	3	491320 385000
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% >90%				
	Patchiness: Superficial	3-10m				
	Thickness: Superficial	Low				
	Recharge:	20				



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined	Secondary Superficial Aquifer - Medium Vulnerability	D12SE	0	3	491000
	Classification: Combined	Medium	(E)			384000
	Vulnerability: Combined Aquifer:	Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	Low Poorly Connected Fractures				
	Dilution:	<300 mm/year				
	Baseflow Index:	40-70%				
	Superficial Patchiness:	>90%				
	Superficial	3-10m				
	Thickness:					
	Superficial Recharge:	Low				
	Groundwater Vulne	•				
	Combined Classification:	Secondary Superficial Aquifer - High Vulnerability	(NE)	0	3	490823 385134
	Combined	High				
	Vulnerability: Combined Aquifer:	Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed:	High				
	Bedrock Flow:	Well Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial	40-70% >90%				
	Patchiness:					
	Superficial	<3m				
	Thickness: Superficial	Low				
	Recharge:	2011				
	Groundwater Vulne	erability Map				
	Combined	Secondary Superficial Aquifer - High Vulnerability	D15NE	0	3	490387
	Classification:	Hiah	(NE)			385000
	Combined Vulnerability:	High				
	Combined Aquifer:	Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed:	High				
	Bedrock Flow: Dilution:	Well Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial	>90%				
	Patchiness:					
	Superficial Thickness:	<3m				
	Superficial	Low				
	Recharge:					
	Groundwater Vulne Combined	erability Map Secondary Superficial Aquifer - High Vulnerability	D15NE	0	3	490350
	Classification:	2333aa. y Capornolai riganor riigii vainorabiinty	(NE)		3	385000
	Combined	High				
	Vulnerability: Combined Aquifer:	Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed:	High				
	Bedrock Flow:	Well Connected Fractures				
	Dilution:	<300 mm/year				
	Baseflow Index: Superficial	40-70% >90%				
	Patchiness:	20070				
	Superficial	<3m				
	Thickness: Superficial	Low				



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - High Vulnerability	D15NW (N)	0	3	490154 385000
	Combined Vulnerability:	High	(,			00000
	Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index:	Productive Bedrock Aquifer, Productive Superficial Aquifer High Well Connected Fractures <300 mm/year 40-70%				
	Superficial Patchiness:	>90%				
	Superficial Thickness:	<3m				
	Superficial Recharge:	Low				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	(NE)	0	3	491000 385086
	Combined Vulnerability:	Medium				000000
	Combined Aquifer: Pollutant Speed: Bedrock Flow:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Poorly Connected Fractures				
	Dilution: Baseflow Index: Superficial	40-70% >90%				
	Patchiness: Superficial	3-10m				
	Thickness: Superficial Recharge:	High				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	(NE)	0	3	491780 385160
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial Patchiness:	40-70% >90%				
	Superficial Thickness:	3-10m				
	Superficial Recharge:	High				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	(NE)	0	3	491545 385000
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed: Bedrock Flow:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Poorly Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial Patchiness: Superficial	>90% 3-10m				
	Thickness: Superficial Recharge:	High				



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	D16NE (NE)	0	3	491000 385000
	Combined Vulnerability:	Medium	()			
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow:	Poorly Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial Patchiness:	>90%				
	Superficial Thickness:	3-10m				
	Superficial Recharge:	High				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	(SE)	0	3	490586 382000
	Combined Vulnerability:	High				002000
	Combined Aquifer:	Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	Low Well Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial Patchiness:	<90%				
	Superficial Thickness:	<3m				
	Superficial Recharge:	No Data				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	(SE)	0	3	491283 382000
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow:	Poorly Connected Fractures <300 mm/year				
	Baseflow Index:	40-70%				
	Superficial Patchiness:	<90%				
	Superficial Thickness:	<3m				
	Superficial Recharge:	Low				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	D16SE (NE)	0	3	491005 384568
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Poorly Connected Fractures <300 mm/year				
	Baseflow Index:	40-70% >90%				
	Superficial Patchiness:					
	Superficial Thickness:	3-10m				
	Superficial Recharge:	Low				



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	(S)	0	3	489480 382287
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness: Superficial	<3m				
	Thickness: Superficial	No Data				
	Recharge:					
	Groundwater Vulne	•	DOL!!!		_	400400
	Combined Classification:	Secondary Superficial Aquifer - High Vulnerability	D3NW (SE)	0	3	490100 382948
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer High				
	Bedrock Flow: Dilution:	Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness: Superficial	<3m				
	Thickness: Superficial	No Data				
	Recharge:					
	Groundwater Vulne					
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	(SE)	0	3	491292 382014
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% · <90%				
	Patchiness: Superficial	<3m				
	Thickness: Superficial	Low				
	Recharge:					
	Groundwater Vulne	, ,				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	D4SE (SE)	0	3	491000 382409
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness: Superficial	<3m				
	Thickness:					
	Superficial Recharge:	Low				



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	D10SE (N)	0	3	489673 384000
	Combined Vulnerability:	High	(,			00.000
	Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial Patchiness:	40-70% <90%				
	Superficial Thickness:	<3m				
	Superficial Recharge:	No Data				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	D11SW (NE)	0	3	490000 384000
	Combined Vulnerability: Combined Aguifer:	Medium  Productive Productive Productive Superficial Aguifer				
	Pollutant Speed: Bedrock Flow:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Well Connected Fractures				
	Dilution: Baseflow Index: Superficial	<300 mm/year 40-70% <90%				
	Patchiness: Superficial Thickness:	<3m				
	Superficial Recharge:	Low				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	D1NE (SW)	0	3	489000 383000
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial Patchiness:	40-70% <90%				
	Superficial Thickness:	<3m				
	Superficial Recharge:	No Data				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	D2NE (S)	0	3	489673 383000
	Combined Vulnerability:	High  Productive Podrock Aguifer Productive Superficial Aguifer				
	Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness: Superficial Thickness:	<3m				
	Superficial Recharge:	No Data				



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - High Vulnerability	D5NW (W)	0	3	488750 383517
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer High				
	Bedrock Flow: Dilution:	Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	>70% <90%				
	Patchiness: Superficial	<3m				
	Thickness:	No Data				
	Superficial Recharge:	No Data				
	Groundwater Vulne	•	B.100=			4000=-
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	D10SE (W)	0	3	489673 383749
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness: Superficial	<3m				
	Thickness: Superficial	No Data				
	Recharge:					
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	(SE)	0	3	490900 382000
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, No Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness: Superficial	<3m				
	Thickness: Superficial	No Data				
	Recharge:					
	Groundwater Vulne	•	(5)	_	_	
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	(S)	0	3	490157 382000
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, No Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness: Superficial	<3m				
	Thickness: Superficial	No Data				
	Recharge:	no Data				



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - Low Vulnerability	(SE)	0	3	491000 382000
	Combined Vulnerability:	Low				302000
	Combined Aquifer:	Productive Bedrock Aquifer, No Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	Low Poorly Connected Fractures				
	Dilution:	<300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness:	<90%				
	Superficial Thickness:	<3m				
	Superficial	Low				
	Recharge:					
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	D3NW (SE)	0	3	490086 382811
	Combined	High	(32)			
	Vulnerability: Combined Aquifer:	Productive Bedrock Aquifer, No Superficial Aquifer				
	Pollutant Speed:	High				
	Bedrock Flow:	Well Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial	<90%				
	Patchiness:	0				
	Superficial Thickness:	<3m				
	Superficial Recharge:	No Data				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	D9SE (W)	0	3	489000 383749
	Combined	High	(11)			
	Vulnerability: Combined Aquifer:	Draductive Redrock Aguifer No Superficial Aguifer				
	Pollutant Speed:	Productive Bedrock Aquifer, No Superficial Aquifer High				
	Bedrock Flow:	Well Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year >70%				
	Superficial	<90%				
	Patchiness: Superficial	<3m				
	Thickness:	Com				
	Superficial Recharge:	No Data				
	Groundwater Vulne	erability Map				
	Combined	Secondary Bedrock Aquifer - High Vulnerability	(SW)	0	3	488461
	Classification:	Link				383207
	Combined Vulnerability:	High				
	Combined Aquifer:	Productive Bedrock Aquifer, No Superficial Aquifer				
	Pollutant Speed:	High				
	Bedrock Flow: Dilution:	Well Connected Fractures <300 mm/year				
	Baseflow Index:	>70%				
	Superficial Patchiness:	<90%				
	Superficial	<3m				
	Thickness:					
	Superficial Recharge:	No Data				



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	D10SW (W)	0	3	489421 383758
	Combined Vulnerability:	High	(**)			
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, No Superficial Aquifer Low				
	Bedrock Flow:	Well Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial	<90%				
	Patchiness: Superficial	<3m				
	Thickness: Superficial	No Data				
	Recharge:	No Data				
	Groundwater Vulne	•				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	D1NE (SW)	0	3	489000 382876
	Combined Vulnerability:	High				
	Combined Aquifer:	Productive Bedrock Aquifer, No Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	Low Well Connected Fractures				
	Dilution:	<300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness: Superficial	<3m				
	Thickness:					
	Superficial Recharge:	No Data				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	D9SE (W)	0	3	489000 384000
	Combined	High	(**)			304000
	Vulnerability: Combined Aquifer:	Productive Bedrock Aquifer, No Superficial Aquifer				
	Pollutant Speed:	Low				
	Bedrock Flow: Dilution:	Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness:	230 /6				
	Superficial Thickness:	<3m				
	Superficial Recharge:	No Data				
	Groundwater Vulne	erability Map				
	Combined	Secondary Bedrock Aquifer - High Vulnerability	D10SW	0	3	489425
	Classification: Combined	High	(NW)			384000
	Vulnerability:					
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, No Superficial Aquifer Low				
	Bedrock Flow:	Well Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial Patchiness:	<90%				
	Superficial	<3m				
	Thickness: Superficial	No Data				
	Recharge:					



ap D		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined	Secondary Bedrock Aquifer - High Vulnerability	D2NW	0	3	489391
	Classification:		(S)			382886
	Combined	High				
	Vulnerability: Combined Aquifer:	Productive Bedrock Aquifer, No Superficial Aquifer				
	Pollutant Speed:	Low				
	Bedrock Flow:	Well Connected Fractures				
	Dilution:	<300 mm/year				
	Baseflow Index:	40-70%				
	Superficial Patchiness:	<90%				
	Superficial	<3m				
	Thickness:					
	Superficial	No Data				
	Recharge:					
	Groundwater Vulne	erability Map				
	Combined	Secondary Bedrock Aquifer - High Vulnerability	D3NW	0	3	490000
	Classification:	acij	(S)			382843
	Combined	High	(-)			
	Vulnerability:					
	Combined Aquifer:	Productive Bedrock Aquifer, No Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	High Well Connected Fractures				
	Dilution:	vveii Connected Fractures <300 mm/year				
	Baseflow Index:	40-70%				
	Superficial	<90%				
	Patchiness:					
	Superficial Thickness:	<3m				
	Superficial	No Data				
	Recharge:	No Bala				
	<u> </u>	arabilita Man				
	Groundwater Vulne		(0)			40070
	Combined Classification:	Secondary Bedrock Aquifer - Low Vulnerability	(S)	0	3	489734 382000
	Combined	Low				302000
	Vulnerability:	2011				
	Combined Aquifer:	Productive Bedrock Aquifer, No Superficial Aquifer				
	Pollutant Speed:	Low				
	Bedrock Flow: Dilution:	Well Connected Fractures <300 mm/year				
	Baseflow Index:	40-70%				
	Superficial	>90%				
	Patchiness:					
	Superficial	<3m				
	Thickness:	No Dete				
	Superficial Recharge:	No Data				
	Groundwater Vulne	• •				
	Combined	Secondary Bedrock Aquifer - High Vulnerability	(S)	0	3	49000
	Classification:	Lligh				38200
	Combined Vulnerability:	High				
	Combined Aquifer:	Productive Bedrock Aquifer, No Superficial Aquifer				
	Pollutant Speed:	Low				
	Bedrock Flow:	Well Connected Fractures				
	Dilution:	<300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness:	NO 70				
	Superficial	<3m				
	Thickness:					
	Superficial	No Data				
	Recharge:					
	Groundwater Vulne	erability - Soluble Rock Risk				
	None					
	Bedrock Aquifer De	esignations				
		Secondary Aquifer - Undifferentiated	D7NE	0	3	49028
	quiioi Dooigilatioli.	Coostinuity Addition Chambrolitation	(E)		J	38363
	Bedrock Aquifer De	esignations	\-/			
	=	Secondary Aquifer - Undifferentiated	D15NE	0	3	49035
	, iquilei Designation:	Occordary Aquiler - Onlumerentiated	(NE)		J	38500
	Bedrock Aquifer De	esignations	()			
	=	Secondary Aquifer - B	D10SE	0	3	48967
	Aquilet Designation:	Geomaly Aquilei - D	(W)	ı	J	4090/



	dettasiirioris				
Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Bedrock Aquifer Designations  Aquifer Designation: Secondary Aquifer - B	D11SW (E)	0	3	490000 383749
	Bedrock Aquifer Designations  Aquifer Designation: Secondary Aquifer - B	D15NW (N)	0	3	490000 385000
	Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - Undifferentiated	D7NW (SE)	0	3	490000 383505
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	D15NE (NE)	0	3	490387 385000
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	D14SE (N)	0	3	489707 384477
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	(N)	0	3	490295 385261
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	(NE)	0	3	491320 385000
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	(NE)	0	3	490823 385134
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	D11SW (E)	0	3	490000 383749
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	D10SE (W)	0	3	489673 383749
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	D3NW (S)	0	3	490000 382953
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(S)	0	3	489480 382287
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	D16SE (NE)	0	3	491005 384568
	Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - A	D15SW (NE)	0	3	490207 384417
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	D15NW (N)	0	3	490154 385000
	Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - Undifferentiated	(SE)	0	3	491292 382014
	Extreme Flooding from Rivers or Sea without Defences  Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	D3NW (S)	0	2	490000 382943
	Extreme Flooding from Rivers or Sea without Defences  Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	D10SE (W)	0	2	489655 383749
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	D7NW (E)	0	2	489900 383700
	Extreme Flooding from Rivers or Sea without Defences  Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	D7SW (S)	15	2	489899 383064
	Extreme Flooding from Rivers or Sea without Defences  Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	D6SE (S)	23	2	489733 383254

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 15 of 44



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding for Type: Flood Plain Type: Boundary Accuracy:	rom Rivers or Sea without Defences  Extent of Extreme Flooding from Rivers or Sea without Defences Fluvial Models As Supplied	D7SW (S)	141	2	489939 383080
		rs or Sea without Defences				
	Type: Flood Plain Type: Boundary Accuracy:	Extent of Flooding from Rivers or Sea without Defences Fluvial Models	D2NE (S)	0	2	489655 382900
	Flooding from Rive Type: Flood Plain Type: Boundary Accuracy:	rs or Sea without Defences  Extent of Flooding from Rivers or Sea without Defences Fluvial Models As Supplied	D3NW (S)	0	2	490009 382918
	Flooding from Rive Type: Flood Plain Type: Boundary Accuracy:	rs or Sea without Defences  Extent of Flooding from Rivers or Sea without Defences Fluvial Models As Supplied	D7NW (E)	0	2	489915 383715
	Flooding from Rive Type: Flood Plain Type: Boundary Accuracy:	rs or Sea without Defences  Extent of Flooding from Rivers or Sea without Defences Fluvial Models As Supplied	D7SE (SE)	0	2	490487 383062
	Flooding from Rive Type: Flood Plain Type: Boundary Accuracy:	rs or Sea without Defences  Extent of Flooding from Rivers or Sea without Defences Fluvial Models As Supplied	D6SE (S)	4	2	489645 383186
	Flooding from Rive Type: Flood Plain Type: Boundary Accuracy:	rs or Sea without Defences  Extent of Flooding from Rivers or Sea without Defences Fluvial Models As Supplied	D3NW (SE)	19	2	490215 382778
		rs or Sea without Defences  Extent of Flooding from Rivers or Sea without Defences Fluvial Models	D3SW (S)	26	2	489941 382510
	Flooding from Rive Type: Flood Plain Type: Boundary Accuracy:	rs or Sea without Defences  Extent of Flooding from Rivers or Sea without Defences Fluvial Models As Supplied	D6NE (S)	230	2	489673 383528
	Areas Benefiting fro	om Flood Defences				
	Flood Water Storag	e Areas				
	Flood Defences Type: Reference:	Flood Defences Not Supplied	D2NW (S)	0	2	489521 382954
	Flood Defences Type: Reference:	Flood Defences Not Supplied	D2NW (S)	0	2	489516 382938
	Flood Defences Type: Reference:	Flood Defences Not Supplied	D3NW (S)	0	2	490010 382924
	Flood Defences Type: Reference:	Flood Defences Not Supplied	D3NW (S)	0	2	489998 382945
	Flood Defences Type: Reference:	Flood Defences Not Supplied	D3SE (SE)	0	2	490242 382695
	Flood Defences Type: Reference:	Flood Defences Not Supplied	D3NW (SE)	17	2	490025 382949
	Flood Defences Type: Reference:	Flood Defences Not Supplied	D3SE (SE)	19	2	490255 382720

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 16 of 44



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 368.3  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D11NW (NE)	0	4	490202 384147
	OS Water Network Lines				
2	Watercourse Form: Inland river Watercourse Length: 10.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D15NE (NE)	0	4	490367 385019
3	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 2066.4  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D15NE (NE)	0	4	490375 385026
	OS Water Network Lines				
4	Watercourse Form: Inland river Watercourse Length: 415.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D12NW (NE)	0	4	490623 384221
	OS Water Network Lines				
5	Watercourse Form: Inland river Watercourse Length: 419.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D16SW (NE)	0	4	490794 384680
	OS Water Network Lines				
6	Watercourse Form: Inland river Watercourse Length: 174.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D16SW (NE)	0	4	490887 384515
7	OS Water Network Lines Watercourse Form: Inland river	D16SW	0	4	490887
·	Watercourse Length: 1532.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	(NE)	, c	·	384515
	OS Water Network Lines				
8	Watercourse Form: Inland river Watercourse Length: 158.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D11SW (NE)	0	4	489899 383970
	OS Water Network Lines				
9	Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D6NW (SW)	0	4	489337 383494



Page 18 of 44

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 98.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D6NW (SW)	0	4	489370 383595
11	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 335.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D6NW (SW)	0	4	489370 383595
12	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D6NW (W)	0	4	489365 383697
13	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 9.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D10NE (NE)	0	4	489884 384127
14	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 12.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D10NE (NE)	0	4	489880 384149
15	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 59.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D11NW (NE)	0	4	489891 384146
16	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 129.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D10NE (NE)	0	4	489880 384149
17	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 5.6  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D10NE (NE)	0	4	489880 384149
18	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 3.8  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D10NW (NW)	0	4	489499 384160



Page 19 of 44

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D10NW (NW)	0	4	489499 384160
20	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D10NW (NW)	0	4	489503 384161
21	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D10NE (N)	0	4	489580 384179
22	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 544.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D10NW (NW)	0	4	489501 384161
23	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 926.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D2SW (S)	0	4	489441 382672
24	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 9.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D2SW (S)	0	4	489445 382680
25	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 19.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D2NE (S)	0	4	489604 382819
26	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 291.7  Watercourse Level: On ground surface Permanent: True Watercourse Name: River Till Catchment Name: Witham Primacy: 1	D2NE (S)	0	4	489869 382892
27	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 157.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Till Catchment Name: Witham Primacy: 1	D2NW (S)	0	4	489523 382945



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D1NE (SW)	0	4	489000 382966
29	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 619.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Till Catchment Name: Witham Primacy: 1	D2NW (S)	0	4	489523 382945
30	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	D2NW (S)	0	4	489522 382950
31	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	D2NW (S)	0	4	489513 382980
32	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 264.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D5NW (W)	0	4	488676 383498
33	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 206.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D5NW (W)	0	4	488675 383533
34	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 4.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D5NW (W)	0	4	488679 383501
35	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 24.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D9NW (W)	0	4	488761 384080
36	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: River Till Catchment Name: Witham Primacy: 1	D1NE (SW)	0	4	489000 382966



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 6.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D6NW (SW)	1	4	489369 383497
	OS Water Network Lines				
38	Watercourse Form: Inland river Watercourse Length: 231.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D14SE (N)	1	4	489579 384458
39	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 202.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D2NE (S)	1	4	489589 382807
40	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 8.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D6NW (SW)	2	4	489345 383490
41	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 704.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Till Catchment Name: Witham Primacy: 1	D3NW (S)	3	4	490001 382932
42	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 13.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D10NE (NE)	3	4	489880 384155
43	OS Water Network Lines  Watercourse Form: Lake Watercourse Length: 2.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D9SW (W)	3	4	488745 384060
44	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 286.9  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D1NW (SW)	3	4	488768 382840
45	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 168.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D1NE (SW)	3	4	488941 382864



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
46	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 2.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D11NW (NE)	4	4	489891 384144
47	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 163.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D2NE (S)	4	4	489812 383029
48	OS Water Network Lines  Watercourse Form: Lake Watercourse Length: 3.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D9SW (W)	4	4	488748 384062
49	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D1NW (SW)	4	4	488774 382841
50	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 165.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D6NW (SW)	5	4	489345 383490
51	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 26.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	D6NW (SW)	5	4	489372 383491
52	OS Water Network Lines  Watercourse Form: Lake Watercourse Length: 3.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D9SW (W)	5	4	488745 384060
53	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 167.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D15NE (NE)	6	4	490363 385015
54	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 5.8 Watercourse Level: On ground surface True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D15NE (NE)	6	4	490363 385015



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
55	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 113.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D9SW (W)	6	4	488742 384059
56	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 10.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D11NW (NE)	7	4	489896 384140
57	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 222.8  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D6NE (S)	7	4	489592 383520
58	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 9.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D15SW (NE)	8	4	490224 384493
59	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 344.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D15SW (NE)	8	4	490226 384503
60	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 11.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D11NW (NE)	8	4	489893 384129
61	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 533.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Till Catchment Name: Witham Primacy: 1	D3SE (SE)	8	4	490372 382613
62	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 210.8  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D15NW (N)	11	4	490143 384969
63	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 10.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D15NE (NE)	11	4	490315 384836



Page 24 of 44

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
64	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 132.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D15NE (NE)	11	4	490317 384846
65	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 42.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D15NE (NE)	11	4	490352 384974
66	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D10NE (NE)	13	4	489877 384168
67	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D7SW (S)	14	4	489904 383075
68	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 207.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D6SE (S)	14	4	489728 383209
69	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 303.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D11NW (NE)	16	4	489900 384138
70	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 156.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	D6SW (S)	18	4	489476 383133
71	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 37.4  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D3SE (SE)	21	4	490384 382648
72	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 221.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D6NW (SW)	44	4	489281 383454



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
73	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 262.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D3NE (SE)	45	4	490359 382907
	OS Water Network Lines				
74	Watercourse Form: Inland river Watercourse Length: 774.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D7SE (SE)	45	4	490480 383335
75	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 54.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D10NE (NE)	46	4	489879 384205
76	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 342.3  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D13SW (NW)	86	4	488660 384498
77	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 118.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D10NE (N)	87	4	489868 384258
78	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 691.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D7NW (E)	91	4	489958 383703
79	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 7.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D9SW (W)	94	4	488682 383963
80	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 5.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D9SW (W)	101	4	488679 383956
81	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 116.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D9SW (W)	106	4	488677 383952



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
82	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 6.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D10NE (N)	107	4	489831 384385
	OS Water Network Lines				
83	Watercourse Form: Inland river Watercourse Length: 37.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D10NE (N)	107	4	489829 384392
84	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D14SE (N)	108	4	489822 384429
85	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 70.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D14SE (N)	108	4	489821 384433
86	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 507.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D14SE (N)	111	4	489806 384502
87	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 4.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D7SW (S)	131	4	489927 383073
88	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 853.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	D7NE (E)	131	4	490265 383678
89	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 232.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D7SW (S)	135	4	489931 383074
90	OS Water Network Lines  Watercourse Form: Lake Watercourse Length: 5.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D13SW (NW)	138	4	488665 384500



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
91	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 707.3  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D12NW (NE)	154	4	490623 384221
92	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 349.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D12SW (E)	154	4	490613 383879
93	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 3.0  Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D5NW (W)	155	4	488644 383701
94	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 137.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D9SW (W)	158	4	488652 383794
95	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 94.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D6SW (S)	162	4	489476 383133
96	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 8.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D6SW (SW)	169	4	489374 383328
97	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 76.0  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D6SW (S)	174	4	489547 383161
98	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 200.9  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D6SW (SW)	178	4	489376 383319
99	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 113.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D6SW (SW)	191	4	489353 383237



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
100	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 81.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D6SE (S)	192	4	489622 383192
	OS Water Network Lines				
101	Watercourse Form: Inland river Watercourse Length: 7.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D6SW (S)	192	4	489546 383169
102	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D14SW (NW)	194	4	489276 384643
103	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 5.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D6SW (S)	200	4	489543 383174
104	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 265.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D14SW (NW)	202	4	489274 384651
105	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 85.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D6SE (S)	205	4	489605 383191
106	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 7.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D3NE (SE)	209	4	490358 382915
107	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 4.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D6SE (S)	209	4	489626 383193
108	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 12.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D6SE (S)	209	4	489711 383208



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
109	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 3.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D6SE (S)	209	4	489724 383209
	OS Water Network Lines				
110	Watercourse Form: Inland river Watercourse Length: 176.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D6SE (S)	209	4	489827 383316
111	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D6SE (S)	210	4	489641 383199
112	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 70.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D6SE (S)	210	4	489707 383208
113	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 65.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D3NE (SE)	212	4	490348 382979
114	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 32.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D6SE (S)	213	4	489636 383227
115	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 152.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	D6NE (S)	216	4	489592 383519
116	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 6.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D9SW (W)	216	4	488652 383832
117	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 8.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D6SW (SW)	220	4	489349 383245



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
118	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 1.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	D6NE (S)	225	4	489592 383520
119	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 355.0  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D6NE (S)	225	4	489724 383532
120	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 151.8  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Primacy: 2	D6SE (S)	242	4	489584 383362
121	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 295.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D6NE (S)	242	4	489645 383516
122	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 3.8  Watercourse Level: On ground surface True  Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	D6SE (S)	242	4	489636 383228



### Waste

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage				
	Name: West Lindsey District Council - Has no landfill data to supply		0	5	489673 383749
	Local Authority Landfill Coverage				
	Name: Lincolnshire County Council - Had landfill data but passed it to the relevant environment agency		0	6	489673 383749





Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid	<del></del>	D.1005			400000
	Description:	Lias Group	D10SE (W)	0	1	489673 383749
	BGS Estimated Soil Source: Soil Sample Type: Arsenic	Chemistry British Geological Survey, National Geoscience Information Service Rural Soil <15 mg/kg	D10SE (W)	0	1	489673 383749
	Concentration: Cadmium Concentration: Chromium	<1.8 mg/kg				
	Concentration: Lead Concentration: Nickel Concentration:	20 - 40 mg/kg <100 mg/kg <15 mg/kg				
	BGS Estimated Soil	Chemistry				
	Source: Soil Sample Type: Arsenic Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil <15 mg/kg	D10SW (W)	0	1	489421 383758
	Cadmium Concentration:	<1.8 mg/kg				
	Chromium Concentration: Lead Concentration:	60 - 90 mg/kg <100 mg/kg				
	Nickel Concentration:	15 - 30 mg/kg				
	BGS Estimated Soil Source:	Chemistry British Geological Survey, National Geoscience Information Service	D7NW	0	1	490000
	Soil Sample Type: Arsenic Concentration:	Rural Soil <15 mg/kg	(SE)	0	I	383505
	Cadmium Concentration:	<1.8 mg/kg				
	Chromium Concentration:	60 - 90 mg/kg				
	Lead Concentration: Nickel Concentration:	<100 mg/kg <15 mg/kg				
	BGS Estimated Soil					
	Source: Soil Sample Type: Arsenic	British Geological Survey, National Geoscience Information Service Rural Soil <15 mg/kg	D2NW (S)	0	1	489391 382886
	Concentration: Cadmium Concentration:	<1.8 mg/kg				
	Chromium Concentration:	90 - 120 mg/kg				
	Lead Concentration: Nickel Concentration:	<100 mg/kg 15 - 30 mg/kg				
	BGS Estimated Soil	•				
	Source: Soil Sample Type: Arsenic	British Geological Survey, National Geoscience Information Service Rural Soil <15 mg/kg	D15SW (N)	207	1	490000 384602
	Concentration: Cadmium Concentration:	<1.8 mg/kg				
	Chromium Concentration: Lead Concentration:	60 - 90 mg/kg				
	Nickel Concentration:	<15 mg/kg				
	BGS Estimated Soil	Chemistry				
	Source: Soil Sample Type: Arsenic	British Geological Survey, National Geoscience Information Service Rural Soil <15 mg/kg	D8SW (E)	216	1	490620 383397
	Concentration: Cadmium Concentration:	<1.8 mg/kg				
	Chromium Concentration:	90 - 120 mg/kg				
	Lead Concentration: Nickel Concentration:	<100 mg/kg 15 - 30 mg/kg				





Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry				
	No data available				
	BGS Urban Soil Chemistry Averages				
	No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain				
	No Hazard				
	Potential for Collapsible Ground Stability Hazards				
	Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D6NW (W)	0	1	489413 383679
	Potential for Collapsible Ground Stability Hazards	(**)			363079
	Hazard Potential: No Hazard	D3NW	0	1	490000
	Source: British Geological Survey, National Geoscience Information Service	(S)			382953
	Potential for Collapsible Ground Stability Hazards	D45404			400454
	Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D15NW (N)	0	1	490154 385000
	Potential for Collapsible Ground Stability Hazards				
	Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D16SE	0	1	491005
	Source: British Geological Survey, National Geoscience Information Service  Potential for Collapsible Ground Stability Hazards	(NE)			384568
	Hazard Potential: No Hazard	D15SW	0	1	490207
	Source: British Geological Survey, National Geoscience Information Service	(NE)	-		384417
	Potential for Collapsible Ground Stability Hazards				
	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D2NW (S)	0	1	489391 382886
	Potential for Collapsible Ground Stability Hazards	(-)			
	Hazard Potential: Very Low	D11SW	0	1	490000
	Source: British Geological Survey, National Geoscience Information Service	(E)			383749
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low	D3NW	0	1	490000
	Source: British Geological Survey, National Geoscience Information Service	(S)	· ·	•	382843
	Potential for Collapsible Ground Stability Hazards				
	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(NE)	0	1	490823 385134
	Potential for Collapsible Ground Stability Hazards				000.01
	Hazard Potential: Very Low	D15NE	0	1	490387
	Source: British Geological Survey, National Geoscience Information Service	(NE)			385000
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low	D10SE	0	1	489673
	Source: British Geological Survey, National Geoscience Information Service	(W)	0	'	383749
	Potential for Collapsible Ground Stability Hazards				
	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D15NW (N)	109	1	490000 385000
	Potential for Collapsible Ground Stability Hazards	(14)			363000
	Hazard Potential: No Hazard	D7NW	112	1	490000
	Source: British Geological Survey, National Geoscience Information Service	(E)			383725
	Potential for Collapsible Ground Stability Hazards	D-7: "		,	4000=5
	Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D7NW (E)	118	1	489952 383671
	Potential for Compressible Ground Stability Hazards	-			
	Hazard Potential: No Hazard Survey National Googgieses Information Services	D2NW	0	1	489391
	Source: British Geological Survey, National Geoscience Information Service  Potential for Compressible Ground Stability Hazards	(S)			382886
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard	D11SW	0	1	490000
	Source: British Geological Survey, National Geoscience Information Service	(E)	-	•	383749
	Potential for Compressible Ground Stability Hazards				
	Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D3NW (S)	0	1	490000 382843
	Potential for Compressible Ground Stability Hazards	(3)			302010
	Hazard Potential: No Hazard	D10SE	0	1	489673
	Source: British Geological Survey, National Geoscience Information Service	(W)			383749





Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Compressible Ground Stability Hazards				
	Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(NE)	0	1	490823 385134
	Potential for Compressible Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D15NE (NE)	0	1	490387 385000
	Potential for Compressible Ground Stability Hazards  Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	D15NW (N)	0	1	490154 385000
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate	D16SE	0	1	491005
	Source: British Geological Survey, National Geoscience Information Service	(NE)			384568
	Potential for Compressible Ground Stability Hazards  Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	D15SW (NE)	0	1	490207 384417
	Potential for Compressible Ground Stability Hazards  Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	D3NW (S)	0	1	490000 382953
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	D6NW (W)	0	1	489413 383679
	Potential for Compressible Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D15NW (N)	109	1	490000 385000
	Potential for Compressible Ground Stability Hazards  Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	D7NW (E)	112	1	490000 383725
	Potential for Compressible Ground Stability Hazards  Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	D7NW (E)	118	1	489952 383671
	Potential for Ground Dissolution Stability Hazards  Hazard Potential: No Hazard  Source: British Geological Survey, National Geoscience Information Service	D15NW (N)	0	1	490000 385000
	Potential for Ground Dissolution Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D10SE (W)	0	1	489673 383749
	Potential for Ground Dissolution Stability Hazards  Hazard Potential: No Hazard  Source: British Geological Survey, National Geoscience Information Service	D11SW (E)	0	1	490000 383749
	Potential for Landslide Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D10SE (W)	0	1	489673 383749
	Potential for Landslide Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D11SW (E)	0	1	490000 383749
	Potential for Landslide Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D15NW (N)	0	1	490000 385000
	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(NE)	0	1	490823 385134
	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D15NE (NE)	0	1	490387 385000
	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D10SE (W)	0	1	489673 383749
	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D11SW (E)	0	1	490000 383749
	Potential for Running Sand Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D10SW (W)	0	1	489421 383758





Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D2NW (S)	0	1	489391 382886
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D3NW (S)	0	1	490000 382843
	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D6NW (W)	0	1	489413 383679
	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D3NW (S)	0	1	490000 382953
	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D14SE (N)	0	1	489707 384477
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D15NW (N)	0	1	490154 385000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D16SE (NE)	0	1	491005 384568
	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D15SW (NE)	0	1	490207 384417
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D11NW (NE)	5	1	490000 384329
	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D15NW (N)	109	1	490000 385000
	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D7NW (E)	112	1	490000 383725
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D7NW (E)	118	1	489952 383671
	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D15SW (N)	207	1	490000 384602
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D8SW (E)	216	1	490620 383397
	Potential for Shrinking or Swelling Clay Ground Stability Hazards  Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D15NW (N)	0	1	490000 385000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards  Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D10SE (W)	0	1	489673 383749
	Potential for Shrinking or Swelling Clay Ground Stability Hazards  Hazard Potential: Low  Source: British Geological Survey, National Geoscience Information Service	D11SW (E)	0	1	490000 383749
	Potential for Shrinking or Swelling Clay Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D16NE (NE)	0	1	490983 385000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D16SE (NE)	0	1	491155 384587
	Radon Potential - Radon Affected Areas  Affected Area: The property is in a Lower probability radon area (less than 1% of home estimated to be at or above the Action Level).  Source: British Geological Survey, National Geoscience Information Service	es are D11SW (E)	0	1	490000 383749



# **Geological**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Radon Potential - R	adon 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).	D10SE (W)	0	1	489673 383749
	Source:	British Geological Survey, National Geoscience Information Service				
	Radon Potential - R	adon 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).	D15NW (N)	0	1	490000 385001
	Source:	British Geological Survey, National Geoscience Information Service				
	Radon Potential - Radon Protection Measures					
	Protection Measure:	No radon protective measures are necessary in the construction of new dwellings or extensions	D11SW (E)	0	1	490000 383749
	Source:	British Geological Survey, National Geoscience Information Service	, ,			
	Radon Potential - R	adon Protection Measures				
	Protection Measure:	No radon protective measures are necessary in the construction of new dwellings or extensions	D10SE (W)	0	1	489673 383749
	Source:	British Geological Survey, National Geoscience Information Service	,			
	Radon Potential - Radon Protection Measures					
	Protection Measure:	No radon protective measures are necessary in the construction of new dwellings or extensions	D15NW (N)	0	1	490000 385001
	Source:	British Geological Survey, National Geoscience Information Service	` '			



### **Sensitive Land Use**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
123	Nitrate Vulnerab	Lower Witham Nvz Surface Water	D10SE (W)	0	3	489673 383749
	Source:	Environment Agency, Head Office	(**)			



Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Environment Agency - Head Office	June 2020	Annually
West Lindsey District Council - Environmental Health Department	September 2017	Annual Rolling Update
Discharge Consents		
Environment Agency - Anglian Region	July 2021	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 2021	Quarterly
Local Authority Integrated Pollution Prevention And Control		
West Lindsey District Council - Environmental Health Department	November 2014	Variable
Local Authority Pollution Prevention and Controls		
West Lindsey District Council - Environmental Health Department	November 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
West Lindsey District Council - Environmental Health Department	November 2014	Variable
Nearest Surface Water Feature		
Ordnance Survey	August 2021	
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	Gui, 2010	
Environment Agency - Anglian Region	March 2013	
	Water 2010	
Registered Radioactive Substances Environment Agency - Anglian Region	June 2016	Annually
	Julie 2010	Almually
River Quality Environment Agency - Head Office	November 2001	Not Applicable
	November 2001	TVOT Applicable
River Quality Biology Sampling Points	April 2012	Annually
Environment Agency - Head Office	April 2012	Annually
River Quality Chemistry Sampling Points	A = :1 0040	A
Environment Agency - Head Office	April 2012	Annually
Substantiated Pollution Incident Register		
Environment Agency - Anglian Region - Northern Area	July 2021	Quarterly
Water Abstractions		
Environment Agency - Anglian Region	July 2021	Quarterly
Water Industry Act Referrals		
Environment Agency - Anglian Region	October 2017	Quarterly
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	May 2021	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	September 2021	Quarterly
Flooding from Rivers or Sea without Defences	,	
Environment Agency - Head Office	September 2021	Quarterly



Agency & Hydrological	Version	Update Cycle
Areas Benefiting from Flood Defences		
Environment Agency - Head Office	September 2021	Quarterly
Flood Water Storage Areas		
Environment Agency - Head Office	September 2021	Quarterly
Flood Defences		
Environment Agency - Head Office	September 2021	Quarterly
OS Water Network Lines		
Ordnance Survey	July 2021	Quarterly
Surface Water 1 in 30 year Flood Extent		
Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent		
Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent		
Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability		
Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility		
British Geological Survey - National Geoscience Information Service	May 2013	Annually
Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	November 2002	Not Applicable
Historical Landfill Sites		
Environment Agency - Head Office	May 2021	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - Anglian Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - Anglian Region - Northern Area	July 2021	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - Anglian Region - Northern Area	July 2021	Quarterly
Local Authority Landfill Coverage		
Lincolnshire County Council	February 2003	Not Applicable
West Lindsey District Council - Environmental Health Department	February 2003	Not Applicable
Local Authority Recorded Landfill Sites		
Lincolnshire County Council	October 2018	
West Lindsey District Council - Environmental Health Department	October 2018	
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water)		
Landmark Information Group Limited	December 1999	
Registered Landfill Sites		
Environment Agency - Anglian Region - Northern Area	March 2006	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - Anglian Region - Northern Area	April 2018	
Registered Waste Treatment or Disposal Sites		
Environment Agency - Anglian Region - Northern Area	June 2015	



Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites	March 2017	Annually
Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements	August 2001	
Lincolnshire County Council - Highways and Planning Department	August 2010	Variable
West Lindsey District Council	February 2016	Variable
Planning Hazardous Substance Consents		
Lincolnshire County Council - Highways and Planning Department	August 2007	Variable
West Lindsey District Council	February 2016	Variable
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology		
British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry		
British Geological Survey - National Geoscience Information Service	December 2015	Annually
BGS Recorded Mineral Sites	May 2004	D' Assessables
British Geological Survey - National Geoscience Information Service	May 2021	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	As notified
	August 2011	As notined
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Updat
Wining Instability		/g opaci
Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain		
British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	April 2020	Annually
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards	Jenne 2010	A === !!- ·
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards	January 2010	Appublic
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas  British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures	July 2011	Ailliually
British Geological Survey - National Geoscience Information Service	July 2011	Annually



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



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

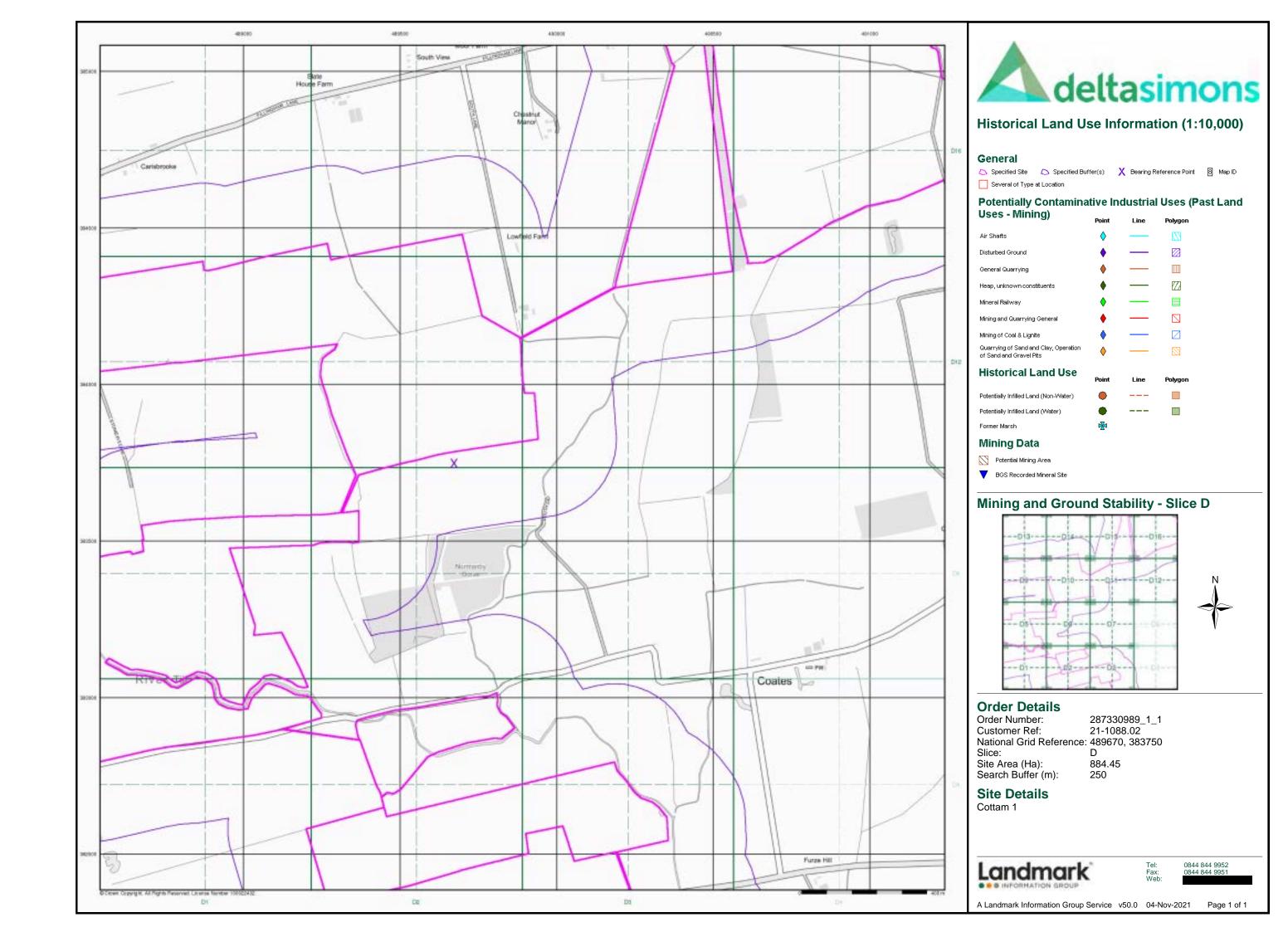
Data Supplier	Data Supplier Logo
Ordnance Survey	Map data
Environment Agency	Environment Agency
Scottish Environment Protection Agency	SEPA
The Coal Authority	The Coal Authority
British Geological Survey	British Geological Survey HATURAL ENVIRONMENT REMARCH COUNCIL
Centre for Ecology and Hydrology	Centre for Ecology & Hydrology
Natural Resources Wales	Cyloeth Naturiol Office Matural Resources Walks
Scottish Natural Heritage	SCOTTISH NATURAL HERITAGE WAN
Natural England	BNG.AND
Public Health England	Public Health England
Ove Arup	ARUP
Stantec UK Ltd	<b>Stantec</b>

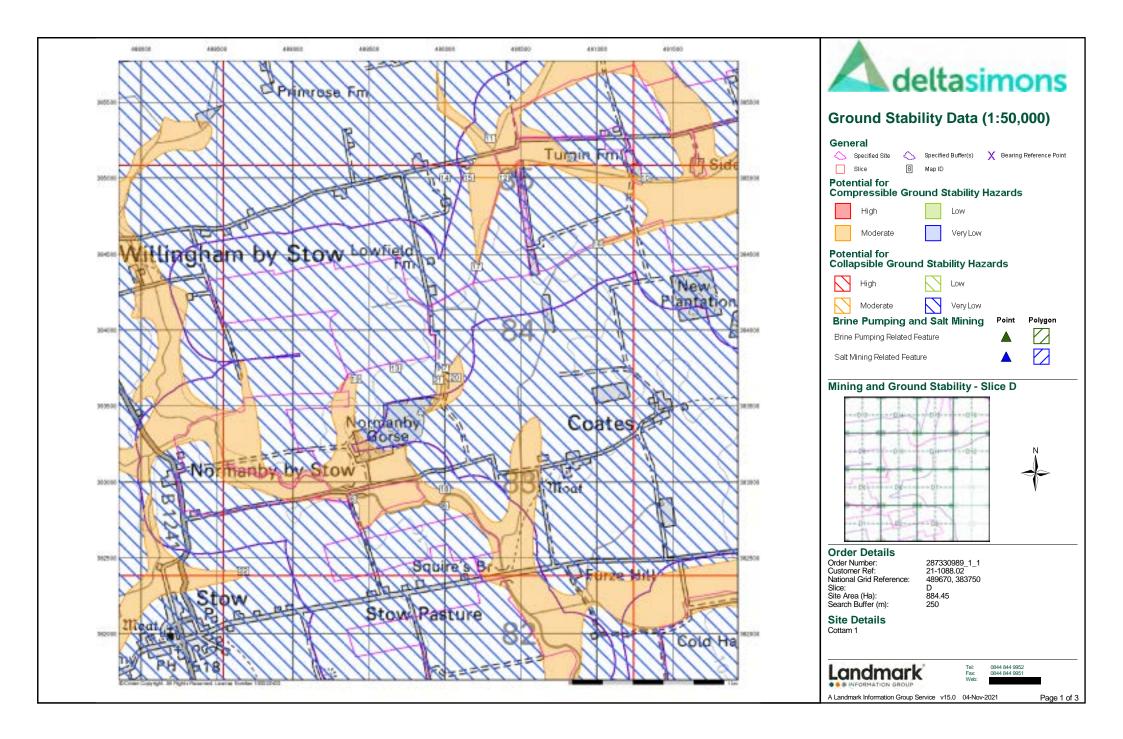


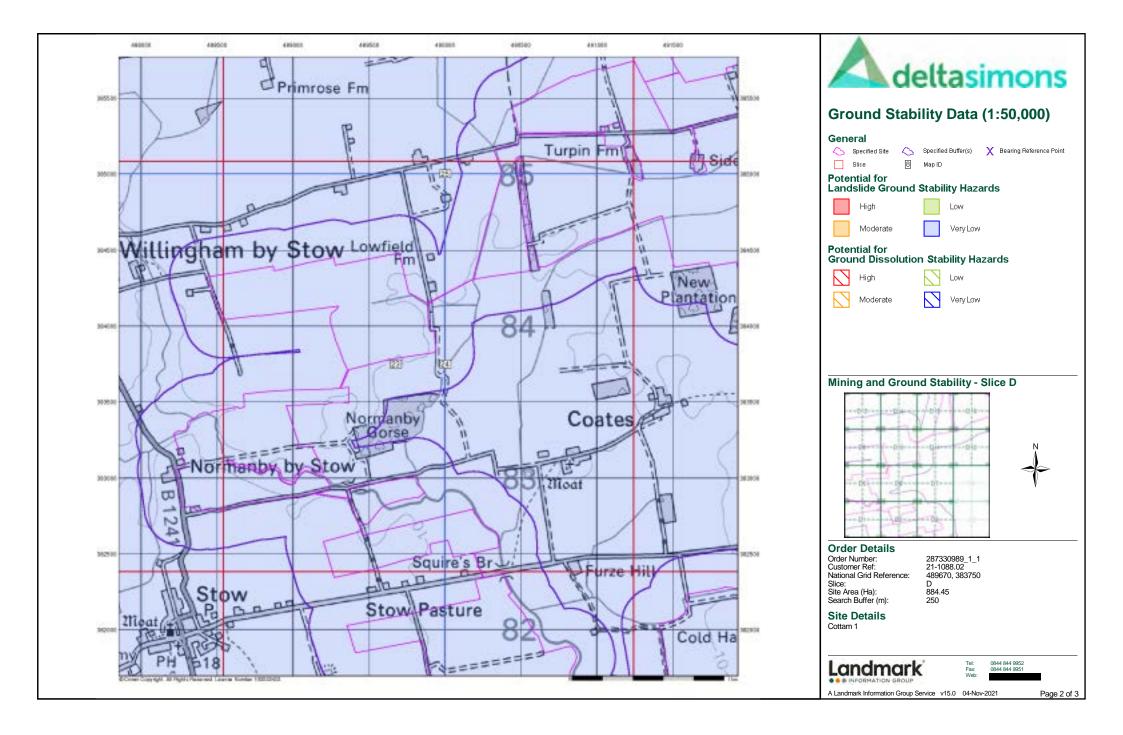
### **Useful Contacts**

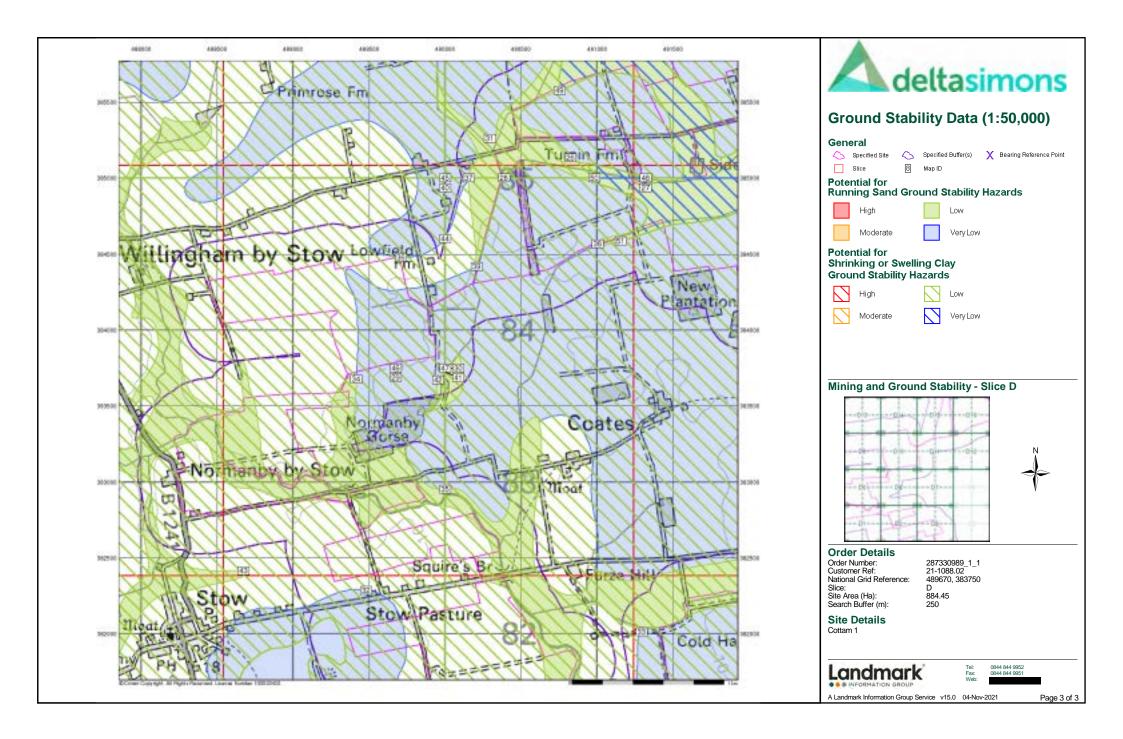
Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service  British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website:
2	Environment Agency - National 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	West Lindsey District Council - Environmental Health Department The Guildhall, Caskgate Street, Gainsborough, Lincolnshire, DN21 2DH	Telephone: 01427 676676 Fax: 01427 810623 Website: www.west-lindsey.gov.uk
6	Lincolnshire County Council 4th Floor, City Hall, Lincoln, Lincolnshire, LN1 1DN	Telephone: 01522 552222 Fax: 01522 552288 Email: PublicRelations@lincolnshire.gov.uk Website: www.lincolnshire.gov.uk
7	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website:
-	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:
-	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:

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











# **Envirocheck® Report:**

# Mining and Ground Stability Datasheet

#### **Order Details:**

**Order Number:** 

287330989\_1\_1

**Customer Reference:** 

21-1088.02

**National Grid Reference:** 

489670, 383750

Slice:

D

Site Area (Ha):

884.45

Search Buffer (m):

250

### **Site Details:**

Cottam 1

#### **Client Details:**

Mr A Howells
Delta Simons
3 Henley Office Park
Doddington Road
Lincoln
LN6 3QR







Report Section and Details	Page Number
Summary	-

The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected.

For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).

#### **Mining and Natural Cavities Data**

-

The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities.

Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.

#### Historical Land Use Information (1:2,500)

1

The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative.

For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.

#### **Historical Land Use Information (1:10,000)**

-

The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses.

For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.

#### **Ground Stability Data (1:50,000)**

2

The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.

Historical Map List	6

The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.

Data Currency	8
Data Suppliers	9
Useful Contacts	10

#### Copyright Notice

© Landmark Information Group Limited 2021. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, and the Environment Agency/Natural Resources Wales, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer. A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report.

© Copyright Stantec UK Limited. All rights reserved.

The brine subsidence data relating to the Driotwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

Report Version v53.0





Data Type	Page Number	On Site	0 to 250m
Mining and Natural Cavities Data			
BGS Recorded Mineral Sites			
Coal Mining Affected Areas			n/a
Man Made Mining Cavities			
Mining Instability			n/a
Natural Cavities			
Non Coal Mining Areas of Great Britain			
Potential Mining Areas			
Historical Land Use Information (1:2,500)			
Extractive Industries or Potential Excavations from 1855-1909 (100m)			
Extractive Industries or Potential Excavations from 1893-1915 (100m)			
Extractive Industries or Potential Excavations from 1906-1937 (100m)			
Extractive Industries or Potential Excavations from 1924-1949 (100m)			
Extractive Industries or Potential Excavations from 1950-1980 (100m)	pg 1	1	4
Subterranean Features (100m)			
Historical Land Use Information (1:10,000)			
Air Shafts			
Disturbed Ground			
General Quarrying			
Heap, unknown constituents			
Mineral Railway			
Mining & quarrying general			
Mining of coal & lignite			
Quarrying of sand & clay, operation of sand & gravel pits			
Former Marshes			
Potentially Infilled Land (Non-Water)			
Potentially Infilled Land (Water)			
Ground Stability Data (1:50,000)			
CBSCB Compensation District			n/a
Brine Pumping Related Features			
Brine Subsidence Solution Area			
Potential for Collapsible Ground Stability Hazards	pg 2	Yes	Yes
Potential for Compressible Ground Stability Hazards	pg 2	Yes	Yes
Potential for Ground Dissolution Stability Hazards	pg 3	Yes	
Potential for Landslide Ground Stability Hazards	pg 3	Yes	
Potential for Running Sand Ground Stability Hazards	pg 4	Yes	Yes
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 5	Yes	Yes
Salt Mining Related Features			





Report Version v53.0



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Extractive Industries or Potential Excavations from 1950-1980  Use: Pond First Map Published 1974  Date: Last Map Published N/A Date:	D3SE (SE)	0	-	490328 382638
2	Extractive Industries or Potential Excavations from 1950-1980  Use: Pond First Map Published 1975  Date:  Last Map Published N/A  Date:	D9SW (W)	4	-	488745 384061
3	Extractive Industries or Potential Excavations from 1950-1980  Use: Pond First Map Published 1974  Date: Last Map Published N/A  Date:	D12NW (NE)	25	-	490592 384369
4	Extractive Industries or Potential Excavations from 1950-1980  Use: Pond First Map Published 1974  Date: Last Map Published N/A Date:	D16SE (NE)	77	-	491073 384421
5	Extractive Industries or Potential Excavations from 1950-1980  Use: Pond First Map Published 1975  Date: Last Map Published N/A Date:	D3SW (S)	91	-	489907 382408

Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Order Number: 287330989\_1\_1 Page 1 of 10



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District				
	The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area				
	The site does not fall within the brine subsidence solution area.				
0	Potential for Collapsible Ground Stability Hazards	DONINA	0	4	400004
6	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D2NW (S)	0	1	489391 382886
	Potential for Collapsible Ground Stability Hazards				
7	Hazard Potential: Very Low	D11SW	0	1	490000
	Source: British Geological Survey, National Geoscience Information Service	(E)			383749
8	Potential for Collapsible Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D3NW (S)	0	1	490000 382843
	Potential for Collapsible Ground Stability Hazards				
9	Hazard Potential: Very Low British Geological Survey, National Geoscience Information Service	(NE)	0	1	490823 385134
10	Potential for Collapsible Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(NE)	0	1	491320 385000
11	Potential for Collapsible Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(N)	0	1	490295 385261
	Potential for Collapsible Ground Stability Hazards				000201
12	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D15NE (NE)	0	1	490387 385000
	Potential for Collapsible Ground Stability Hazards				
13	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D10SE (W)	0	1	489673 383749
14	Potential for Collapsible Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D15NW (N)	109	1	490000 385000
	Potential for Collapsible Ground Stability Hazards	(14)			303000
	Hazard Potential: Source: No Hazard Source: British Geological Survey, National Geoscience Information Service	D6NW (W)	0	1	489413 383679
	Potential for Collapsible Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D3NW (S)	0	1	490000 382953
	Potential for Collapsible Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D15NW (N)	0	1	490154 385000
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard	D16SE	0	1	491005
	Source: British Geological Survey, National Geoscience Information Service	(NE)			384568
	Potential for Collapsible Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D15SW (NE)	0	1	490207 384417
	Potential for Collapsible Ground Stability Hazards				
	Hazard Potential: Source:  No Hazard British Geological Survey, National Geoscience Information Service	D7NW (E)	112	1	490000 383725
	Potential for Collapsible Ground Stability Hazards				
	Hazard Potential: No Hazard	D7NW	118	1	489952
	Source: British Geological Survey, National Geoscience Information Service	(E)			383671
	Potential for Collapsible Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D1SW (SW)	186	1	488672 382415
15	Potential for Compressible Ground Stability Hazards  Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	D15NW (N)	0	1	490154 385000
16	Potential for Compressible Ground Stability Hazards  Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	D16SE (NE)	0	1	491005 384568



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Compressible Ground Stability Hazards				
17	Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	D15SW (NE)	0	1	490207 384417
18	Potential for Compressible Ground Stability Hazards  Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	D3NW (S)	0	1	490000 382953
19	Potential for Compressible Ground Stability Hazards  Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	D6NW (W)	0	1	489413 383679
20	Potential for Compressible Ground Stability Hazards  Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	D7NW (E)	112	1	490000 383725
21	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate	D7NW	118	1	489952
	Source: British Geological Survey, National Geoscience Information Service	(E)	110		383671
22	Potential for Compressible Ground Stability Hazards  Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	D1SW (SW)	186	1	488672 382415
	Potential for Compressible Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D2NW (S)	0	1	489391 382886
	Potential for Compressible Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D11SW (E)	0	1	490000 383749
	Potential for Compressible Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D3NW (S)	0	1	490000 382843
	Potential for Compressible Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D10SE (W)	0	1	489673 383749
	Potential for Compressible Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(NE)	0	1	490823 385134
	Potential for Compressible Ground Stability Hazards  Hazard Potential: No Hazard  Source: British Geological Survey, National Geoscience Information Service	(NE)	0	1	491320 385000
	Potential for Compressible Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(N)	0	1	490295 385261
	Potential for Compressible Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D15NE (NE)	0	1	490387 385000
	Potential for Compressible Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D15NW (N)	109	1	490000 385000
	Potential for Ground Dissolution Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D15NW (N)	0	1	490000 385000
	Potential for Ground Dissolution Stability Hazards  Hazard Potential: No Hazard  Source: British Geological Survey, National Geoscience Information Service	D10SE (W)	0	1	489673 383749
	Potential for Ground Dissolution Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D11SW (E)	0	1	490000 383749
23	Potential for Landslide Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D10SE (W)	0	1	489673 383749
24	Potential for Landslide Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D11SW (E)	0	1	490000 383749
25	Potential for Landslide Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D15NW (N)	0	1	490000 385000



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(NE)	0	1	490823 385134
27	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(NE)	0	1	491320 385000
28	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D15NE (NE)	0	1	490387 385000
29	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D10SE (W)	0	1	489673 383749
30	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D11SW (E)	0	1	490000 383749
31	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(N)	0	1	490295 385261
32	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(S)	0	1	489480 382287
33	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(SE)	0	1	491292 382014
34	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D6NW (W)	0	1	489413 383679
35	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D3NW (S)	0	1	490000 382953
36	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D14SE (N)	0	1	489707 384477
37	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D15NW (N)	0	1	490154 385000
38	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D16SE (NE)	0	1	491005 384568
39	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D15SW (NE)	0	1	490207 384417
40	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D15NW (N)	109	1	490000 385000
41	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D7NW (E)	112	1	490000 383725
42	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D7NW (E)	118	1	489952 383671
43	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D1SW (SW)	186	1	488672 382415
44	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D15SW (N)	207	1	490000 384602
	Potential for Running Sand Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D10SW (W)	0	1	489421 383758
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D2NW (S)	0	1	489391 382886



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Runn	ing Sand Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	D3NW (S)	0	1	490000 382843
	Potential for Runn	ing Sand Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	(SE)	0	1	490953 382184
	Potential for Runn	ing Sand Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	D11NW (NE)	5	1	490000 384329
	Potential for Runn	ing Sand Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	D8SW (E)	216	1	490620 383397
	Potential for Shrin	king or Swelling Clay Ground Stability Hazards				
45	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	D15NW (N)	0	1	490000 385000
	Potential for Shrin	king or Swelling Clay Ground Stability Hazards				
46	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	D10SE (W)	0	1	489673 383749
	Potential for Shrin	king or Swelling Clay Ground Stability Hazards				
47	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	D11SW (E)	0	1	490000 383749
	Potential for Shrin	king or Swelling Clay Ground Stability Hazards				
48	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	(NE)	0	1	491320 385000
	Potential for Shrin	king or Swelling Clay Ground Stability Hazards				
49	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	(NE)	0	1	490753 385576
	Potential for Shrin	king or Swelling Clay Ground Stability Hazards				
50	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	D16NE (NE)	0	1	490983 385000
51	Potential for Shrin	king or Swelling Clay Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	D16SE (NE)	0	1	491155 384587
	Potential for Shrin	king or Swelling Clay Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	(S)	44	1	489245 382110



# **Historical Map List**

# The following mapping has been analysed for Historical Land Use Information (1:2,500):

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	SK8885	1972
Ordnance Survey Plan	SK8985	1972
Ordnance Survey Plan	SK8985	1972
Ordnance Survey Plan	SK8985	1972
Ordnance Survey Plan	SK9082	1974
Ordnance Survey Plan	SK9083	1974
Ordnance Survey Plan	SK9083	1974
Ordnance Survey Plan	SK9083	1974
Ordnance Survey Plan	SK9083	1974
Ordnance Survey Plan	SK9084	1974
Ordnance Survey Plan	SK9084	1974
Ordnance Survey Plan	SK9084	1974
Ordnance Survey Plan	SK9084	1974
Ordnance Survey Plan	SK9085	1974
Ordnance Survey Plan	SK9085	1974
Ordnance Survey Plan	SK9183	1974
Ordnance Survey Plan	SK9184	1974
Ordnance Survey Plan	SK9184	1974
Ordnance Survey Plan	SK9185	1974
Ordnance Survey Plan	SK8882	1975
Ordnance Survey Plan	SK8883	1975
Ordnance Survey Plan	SK8883	1975
Ordnance Survey Plan	SK8883	1975
Ordnance Survey Plan	SK8884	1975
Ordnance Survey Plan	SK8884	1975
Ordnance Survey Plan	SK8982	1975
Ordnance Survey Plan	SK8982	1975
Ordnance Survey Plan	SK8982	1975
Ordnance Survey Plan	SK8983	1975
Ordnance Survey Plan	SK8983	1975
Ordnance Survey Plan	SK8983	1975
Ordnance Survey Plan	SK8983	1975
Ordnance Survey Plan	SK8983	1975
Ordnance Survey Plan	SK8983	1975
Ordnance Survey Plan	SK8983	1975
Ordnance Survey Plan	SK8983	1975
Ordnance Survey Plan	SK8983	1975
Ordnance Survey Plan	SK8984	1975



# **Historical Map List**

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	SK8984	1975
Ordnance Survey Plan	SK8984	1975
Ordnance Survey Plan	SK8984	1975
Ordnance Survey Plan	SK8984	1975
Ordnance Survey Plan	SK8984	1975

# The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Lincolnshire	051_SE	1890
Lincolnshire	051_NE	1891
Lincolnshire	051_NE	1907
Lincolnshire	051_SE	1907
Lincolnshire	051_NE	1947
Lincolnshire	051_SE	1947
Ordnance Survey Plan	SK88NE	1956
Ordnance Survey Plan	SK88SE	1956
Ordnance Survey Plan	SK98NW	1956
Ordnance Survey Plan	SK98SW	1956
1:10,000	Mapsheet	Published Date
Ordnance Survey Plan	SK98NW	1979
Ordnance Survey Plan	SK98SW	1979
Ordnance Survey Plan	SK88NE	1980
Ordnance Survey Plan	SK88SE	1981

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 7 of 10



# **Data Currency**

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites		
British Geological Survey - National Geoscience Information Service	May 2021	Bi-Annually
Coal Mining Affected Areas		
The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Man Made Mining Cavities		
Stantec UK Ltd	May 2021	Bi-Annually
Mining Instability		
Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities		
Stantec UK Ltd	May 2021	Bi-Annually
Non Coal Mining Areas of Great Britain		
British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	Version	Update Cycle
Subterranean Features		
Landmark Information Group Limited	February 2020	Bi-Annually
Ground Stability Data (1:50,000)	Version	Update Cycle
CBSCB Compensation District		
Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	As notified
Potential for Collapsible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	April 2020	Annually
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Brine Subsidence Solution Area		
Johnson Poole & Bloomer	December 2020	Annual Rolling Updat

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 8 of 10



# **Data Suppliers**

A selection of organisations who provide data within this report

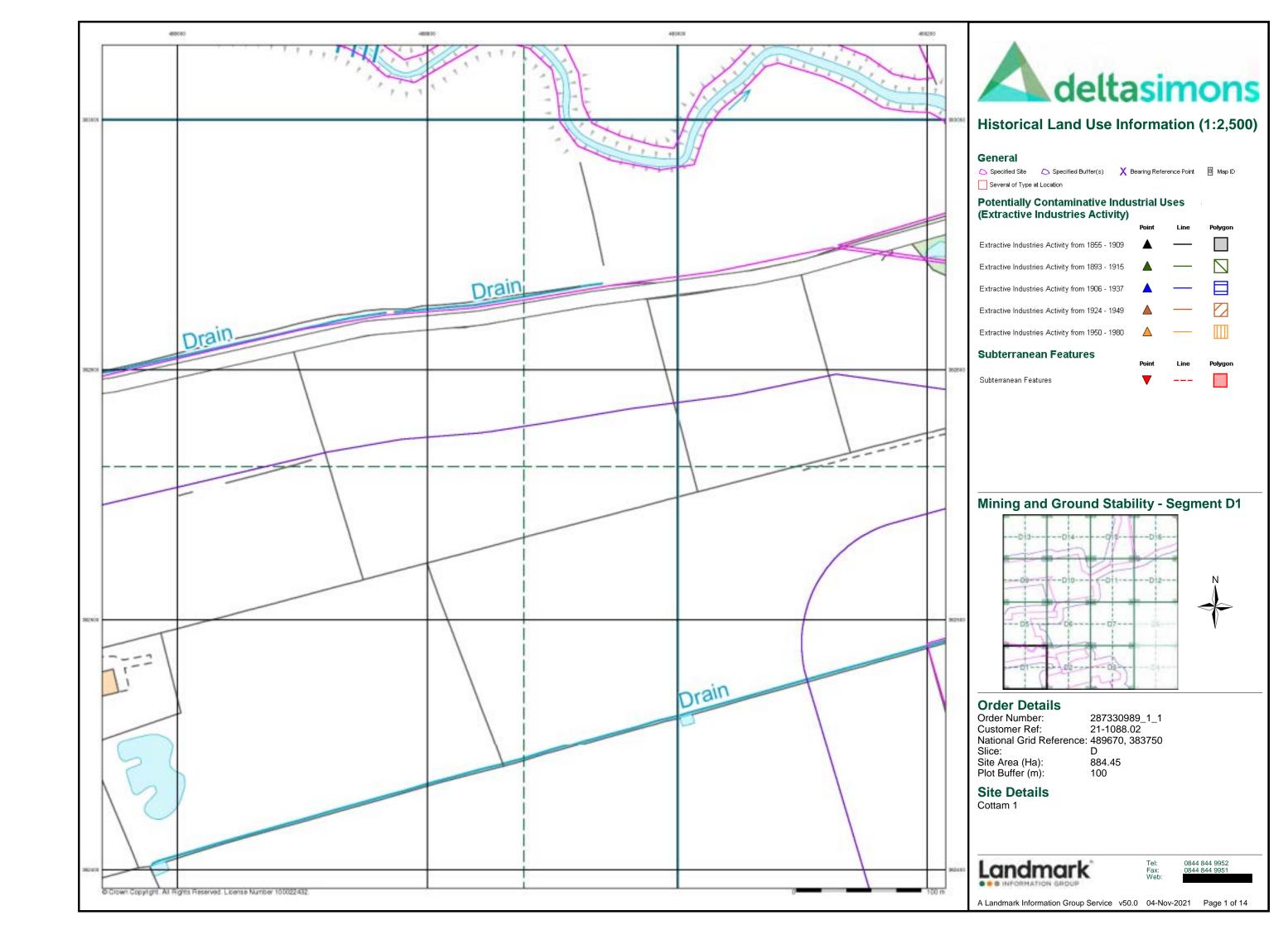
Data Supplier	Data Supplier Logo
Ordnance Survey	Map data
British Geological Survey	British Geological Survey
The Coal Authority	The Coal Authority
Ove Arup	ARUP
Stantec UK Ltd	Stantec
Wardell Armstrong	your yearth our world
Johnson Poole & Bloomer	<b>ЈРВ</b>

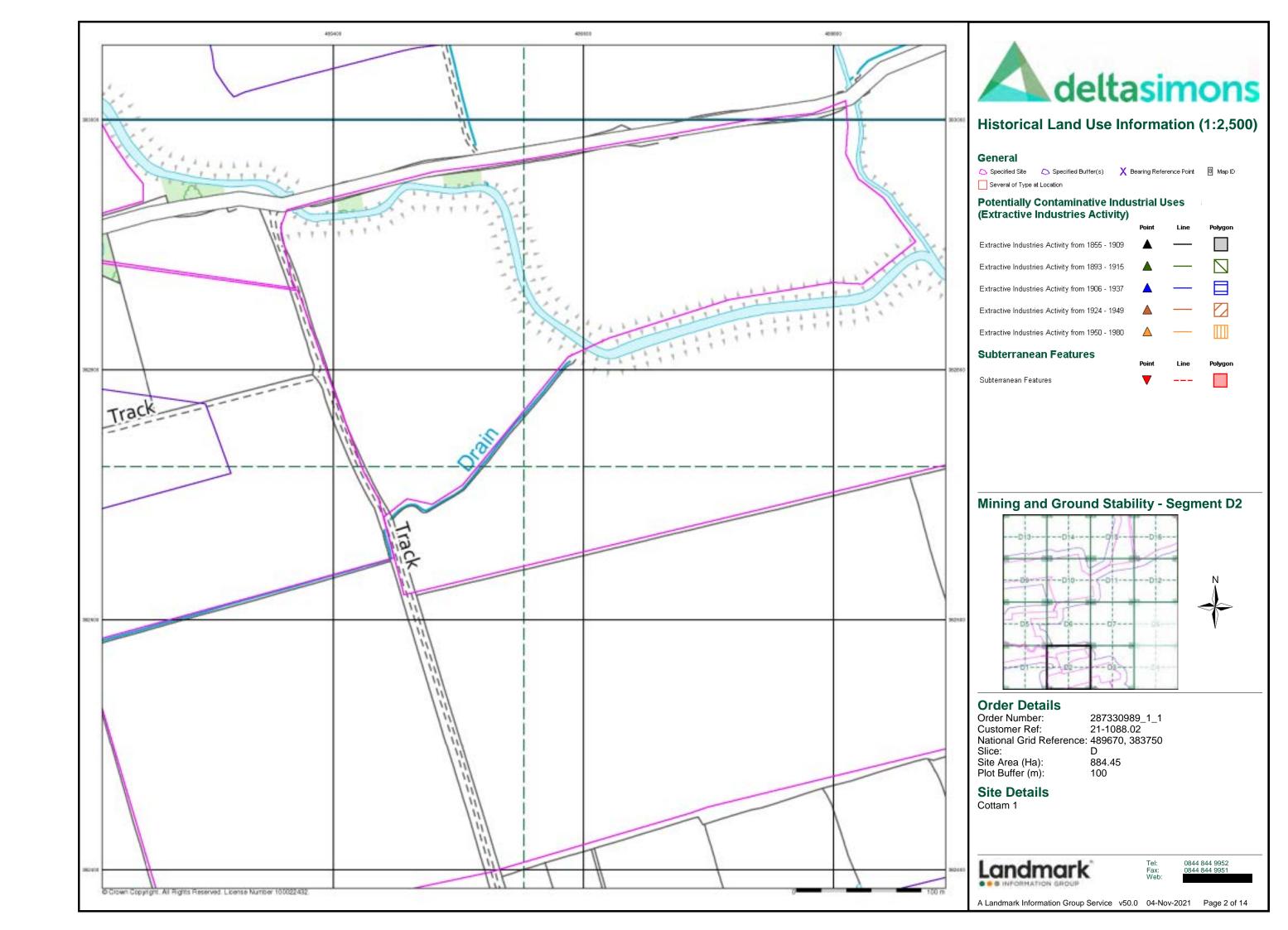


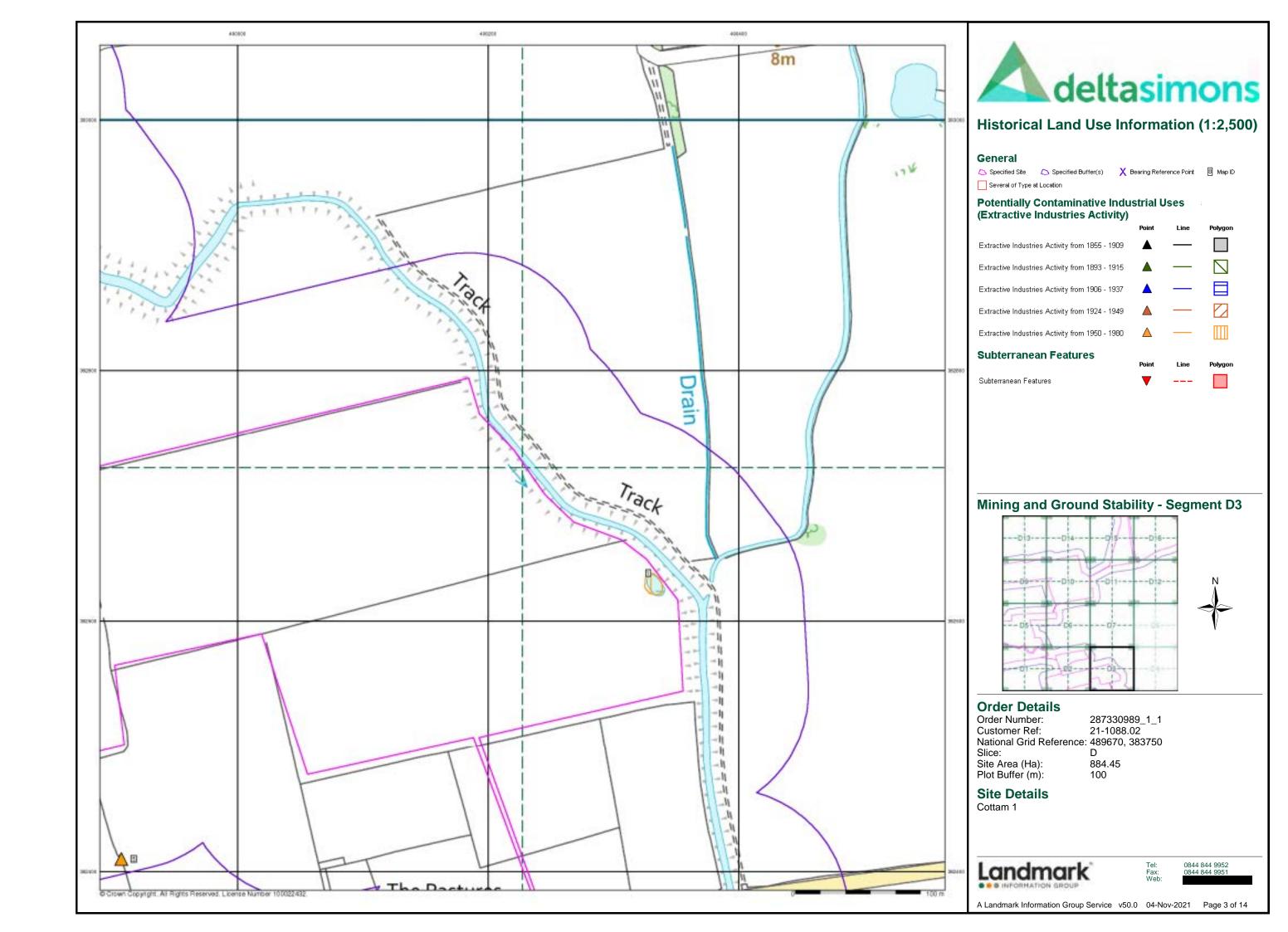
# **Useful Contacts**

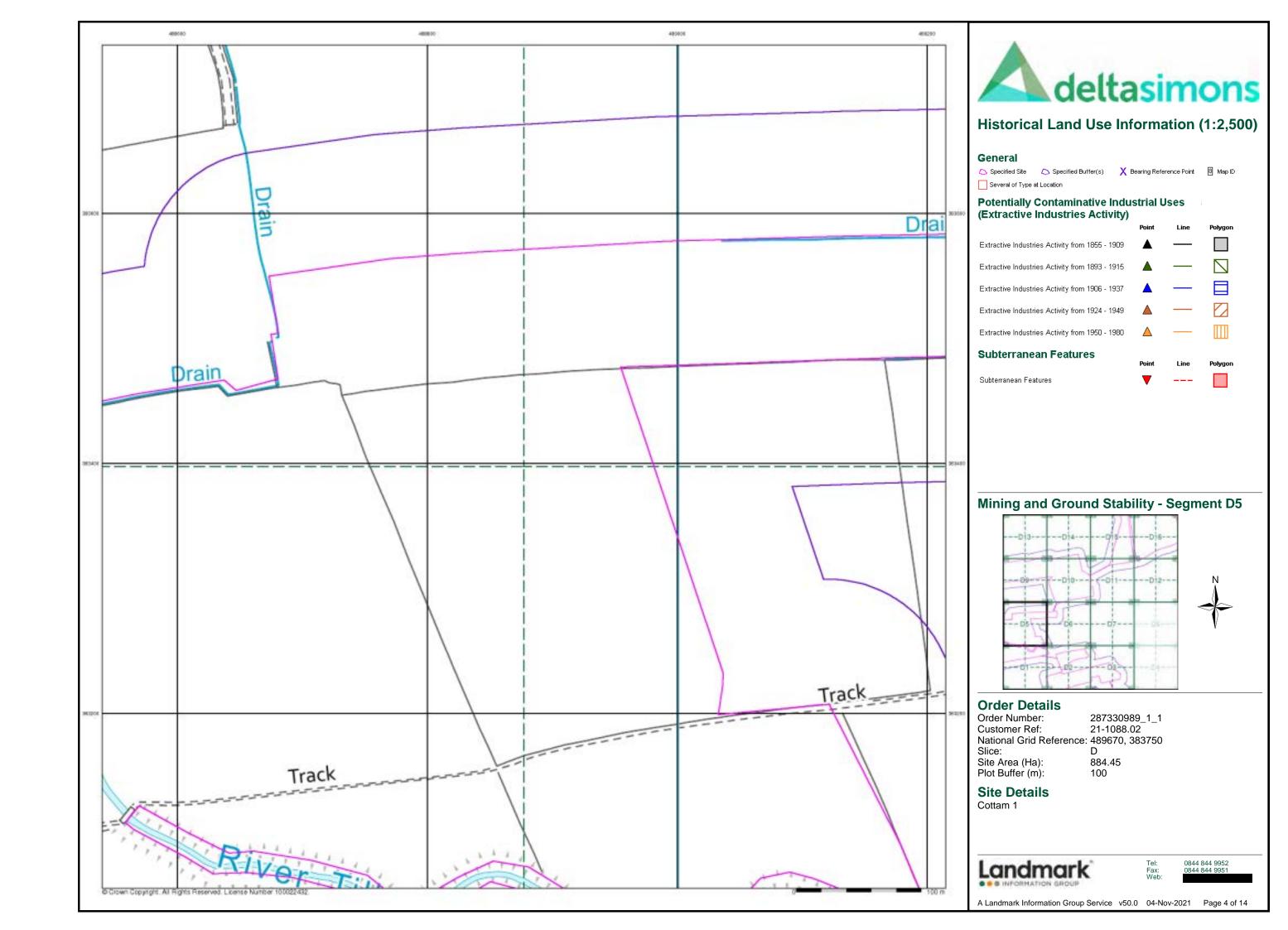
Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service  British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website:
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website:

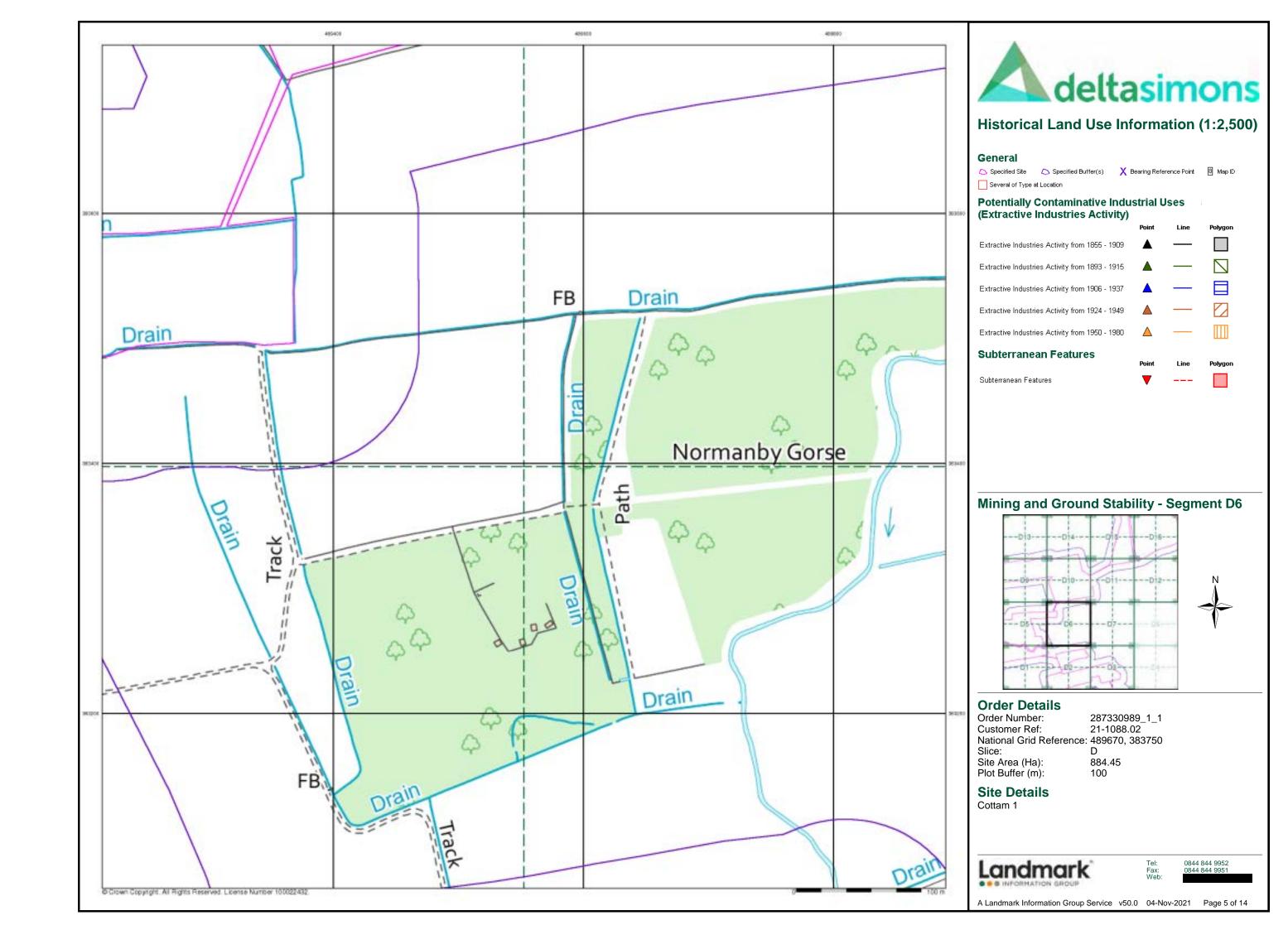
Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 10 of 10

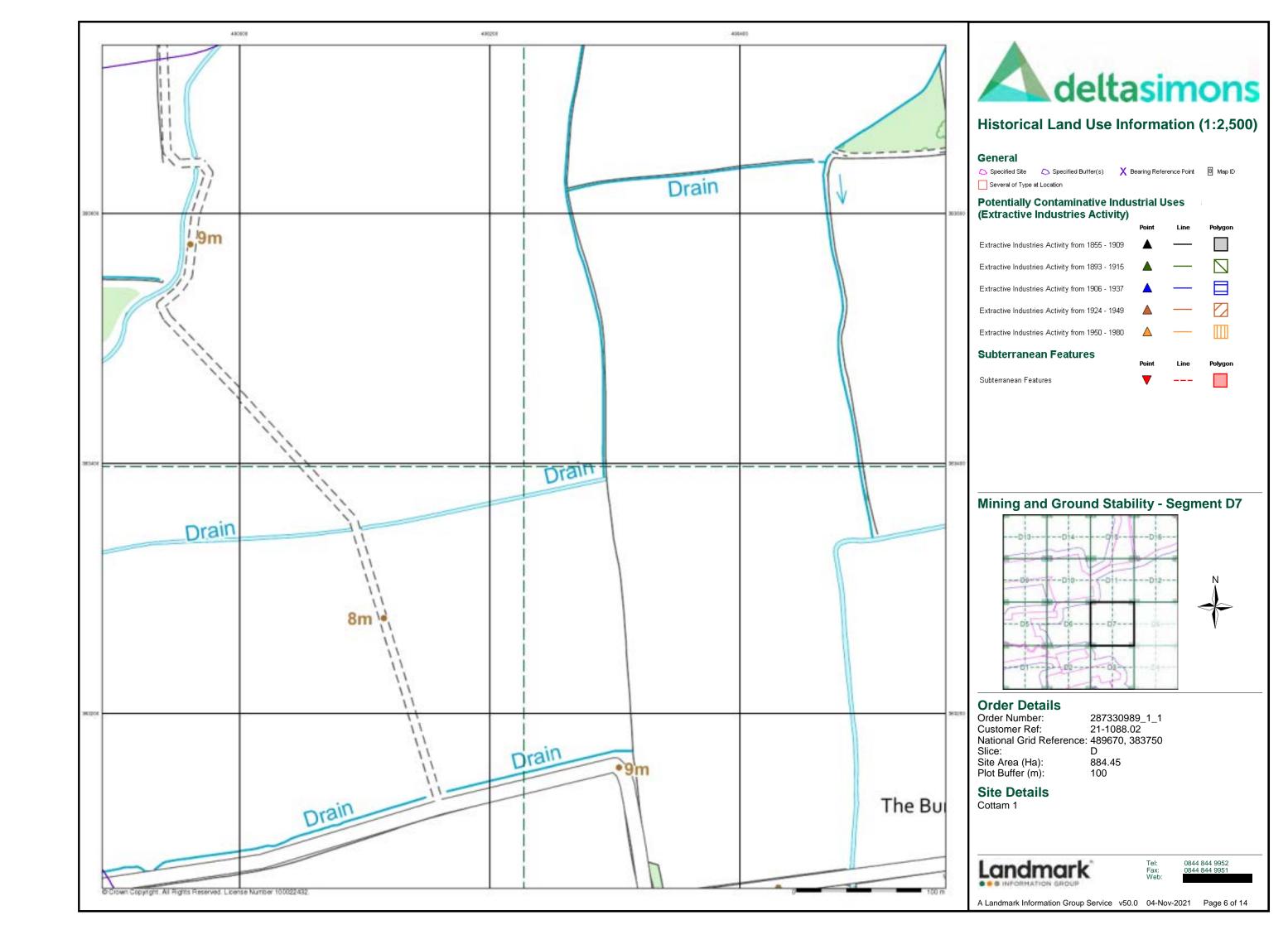


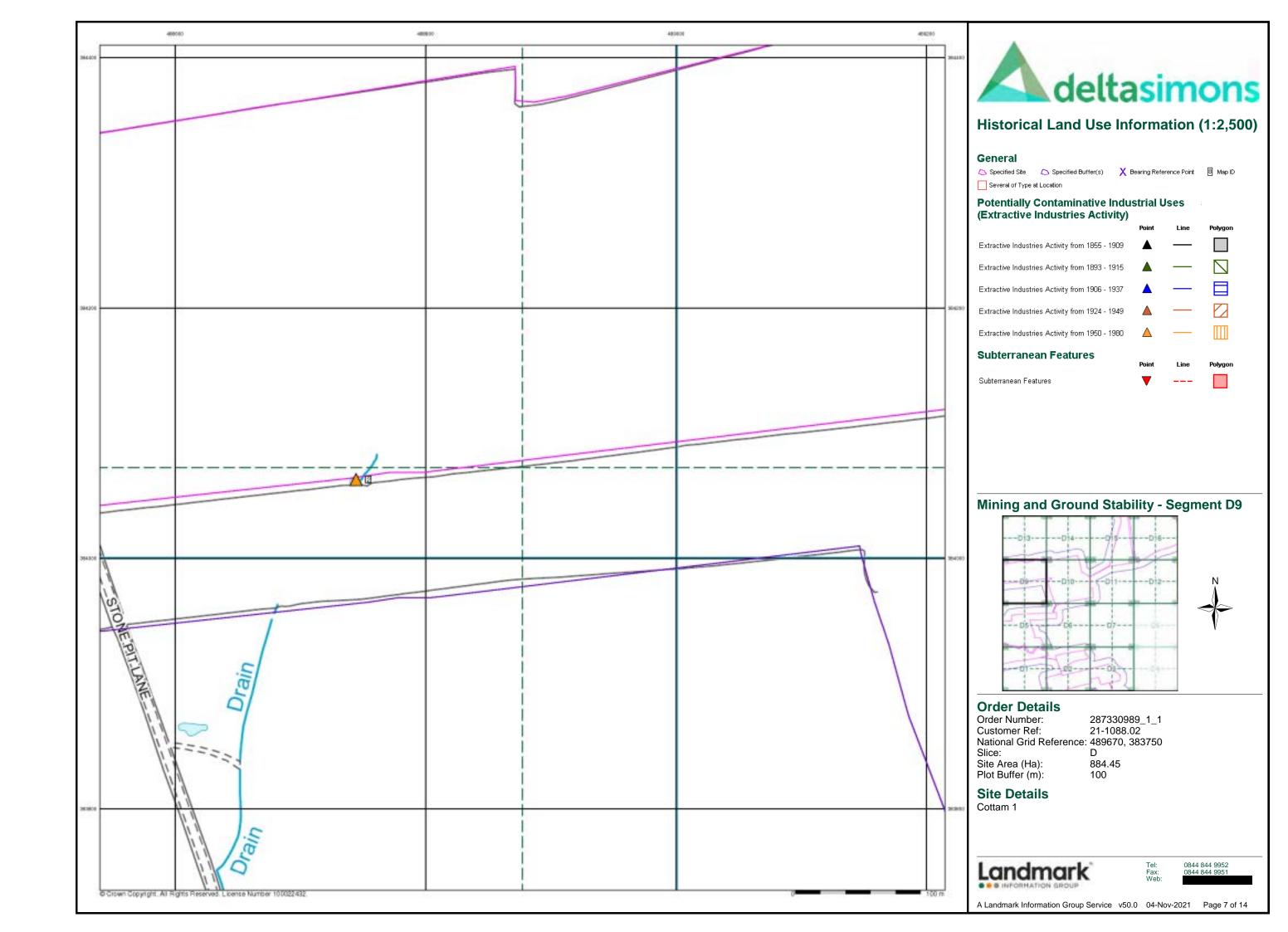


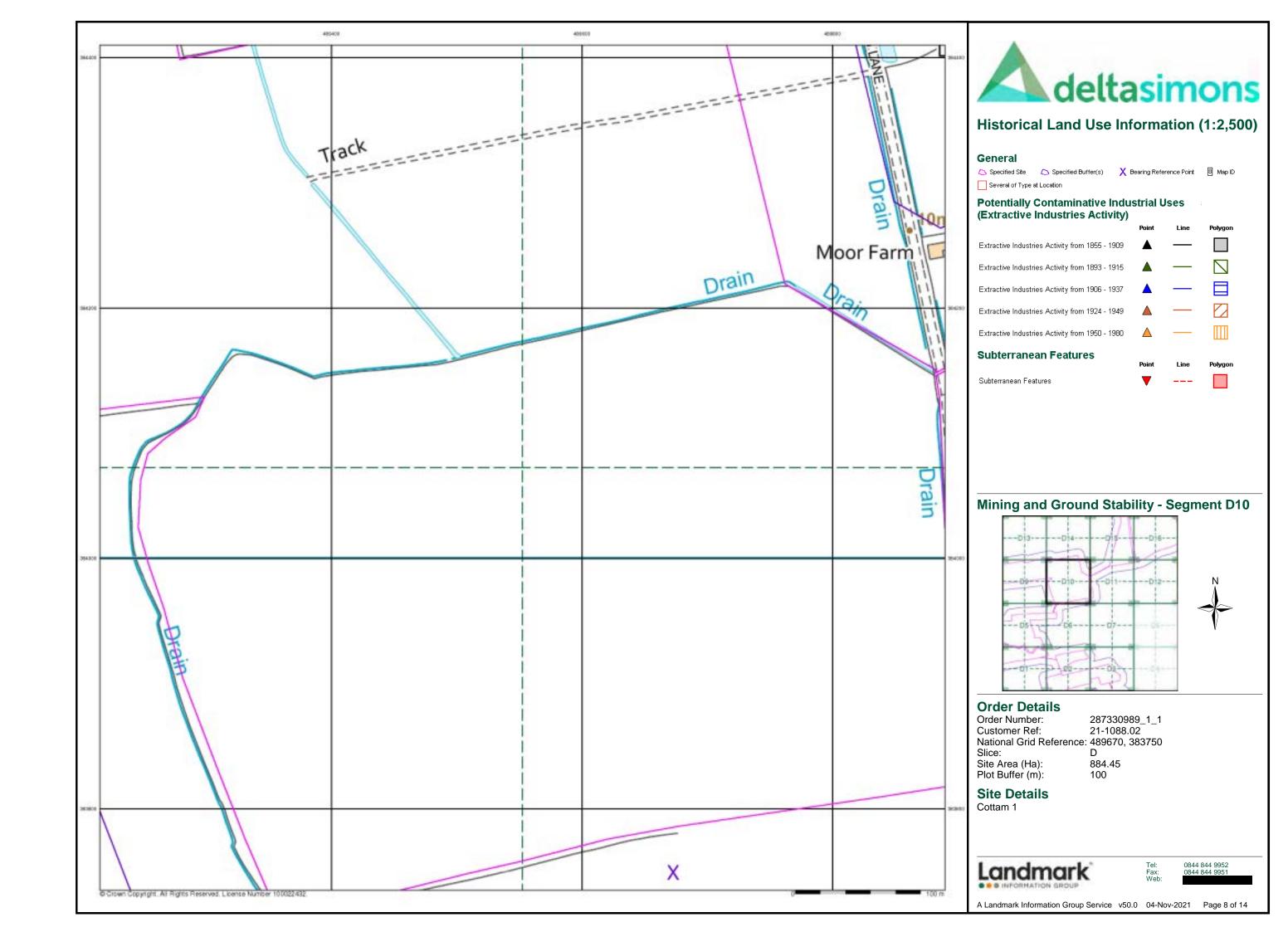


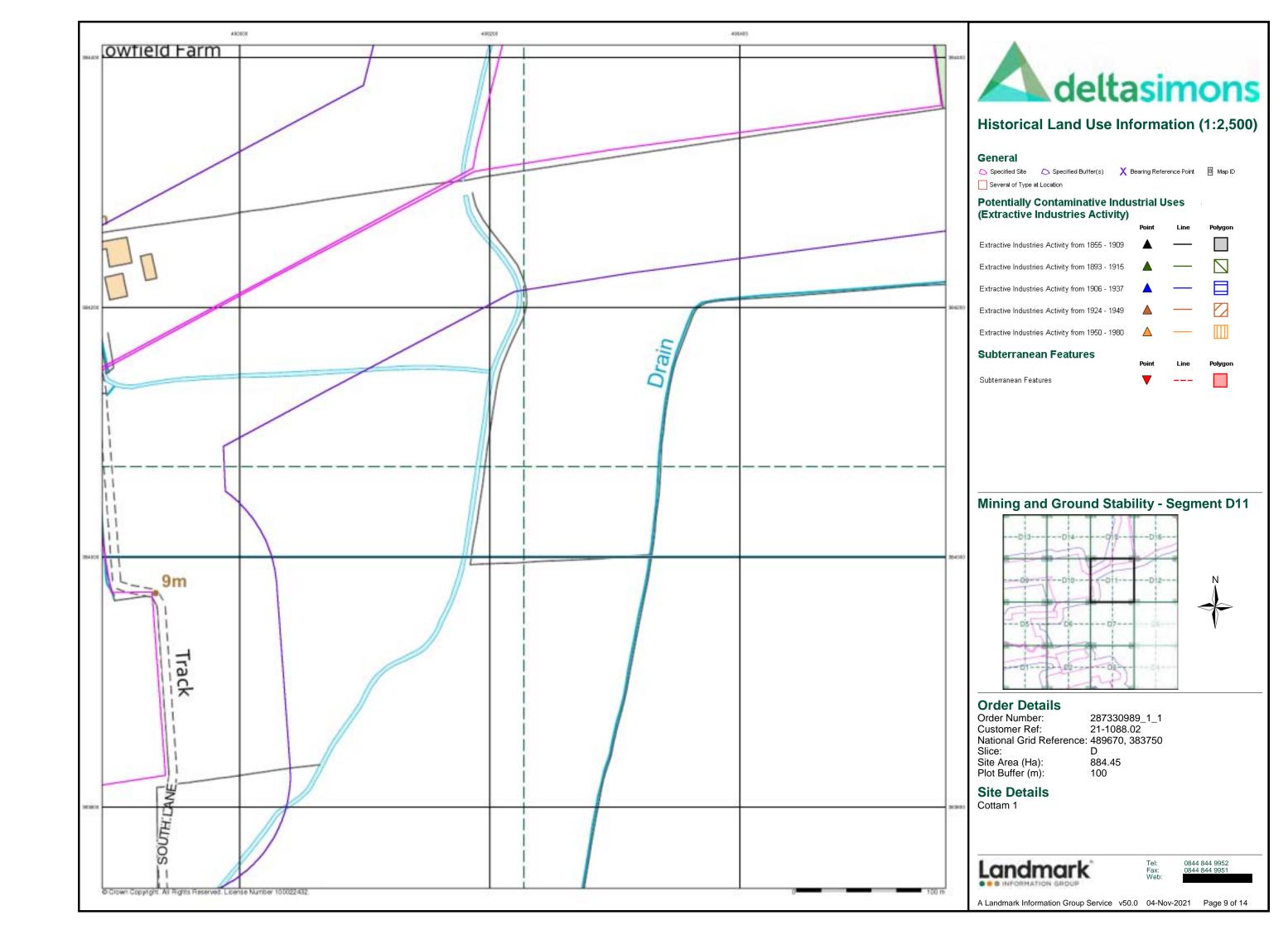


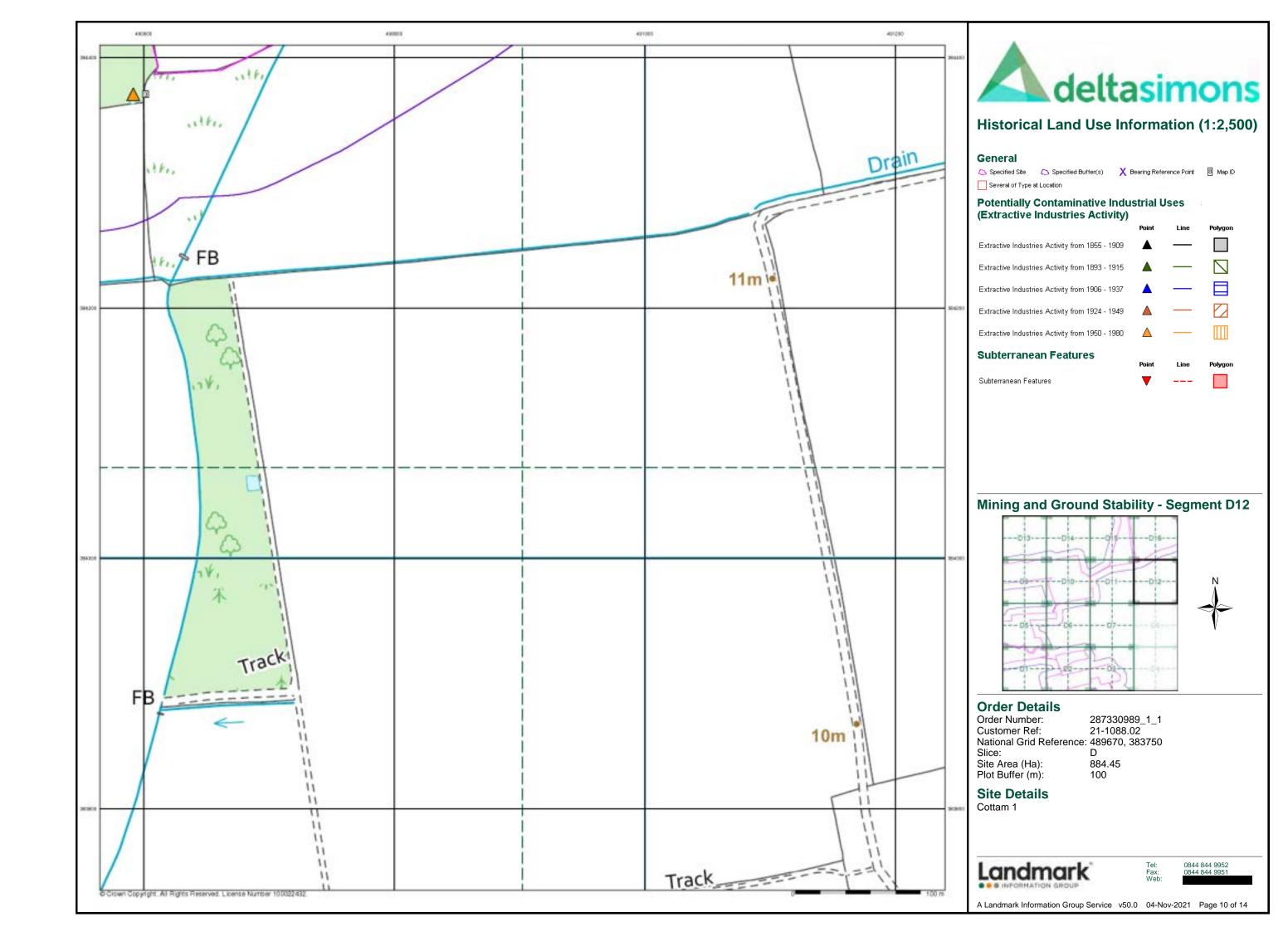


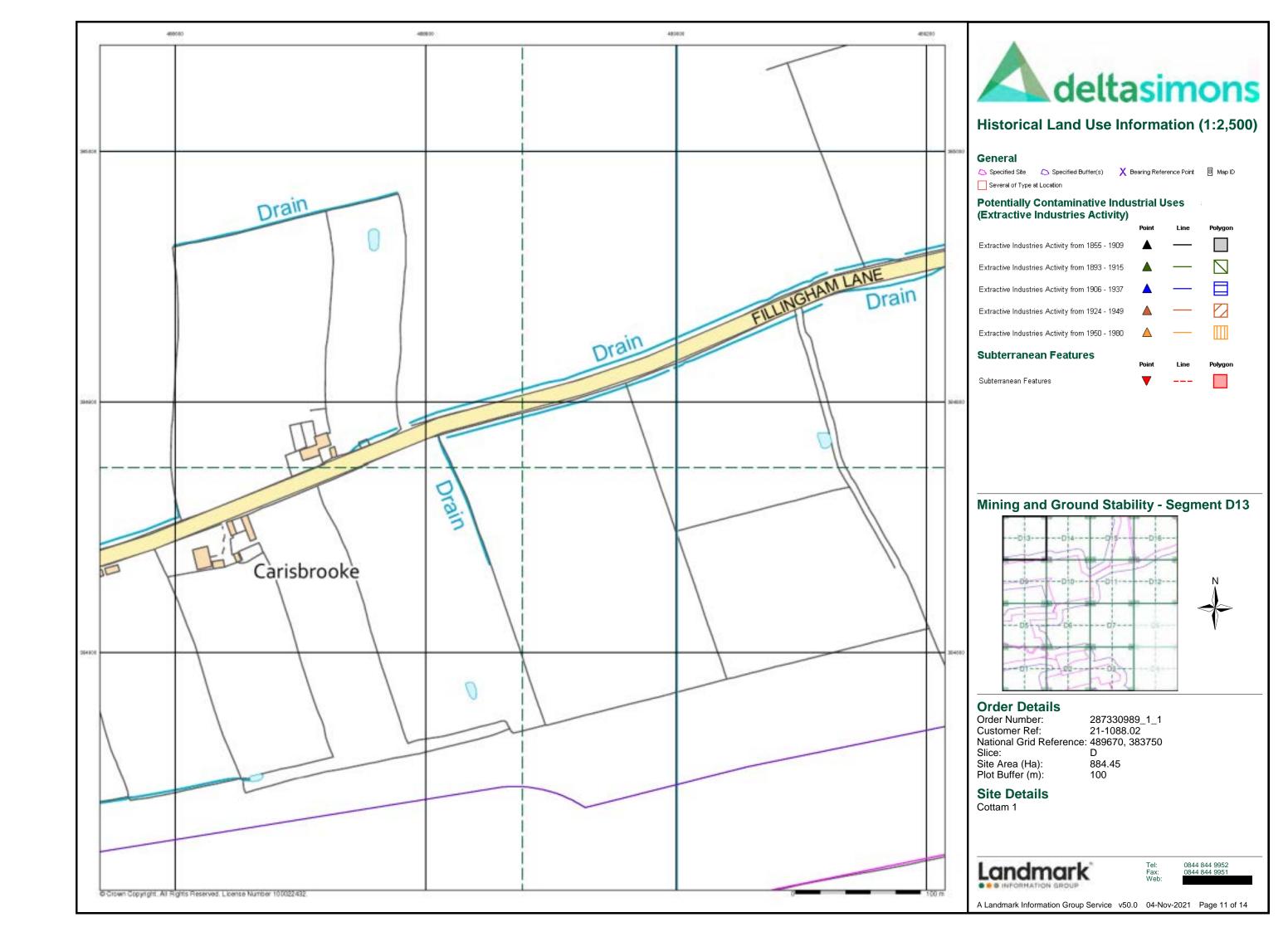


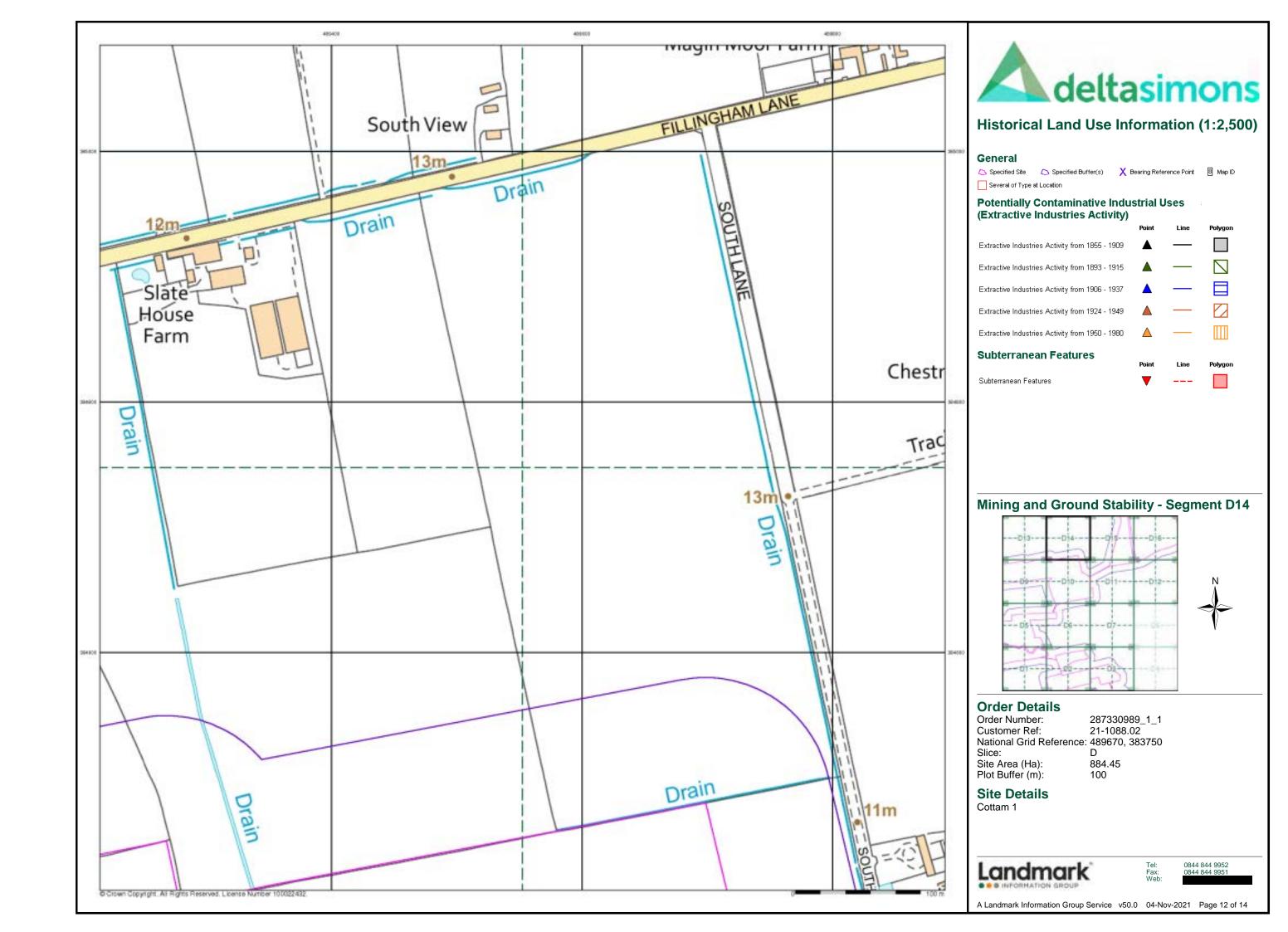


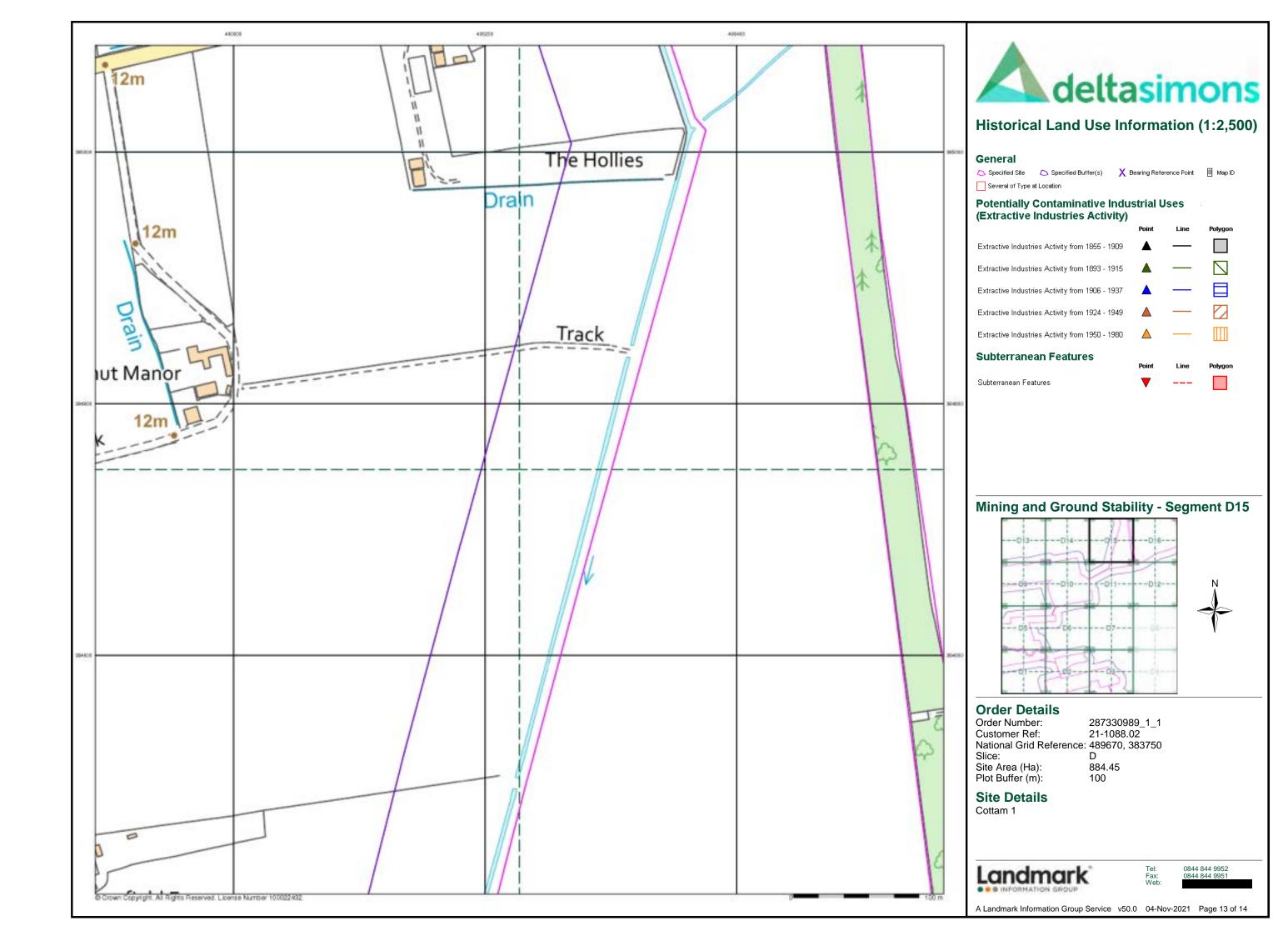


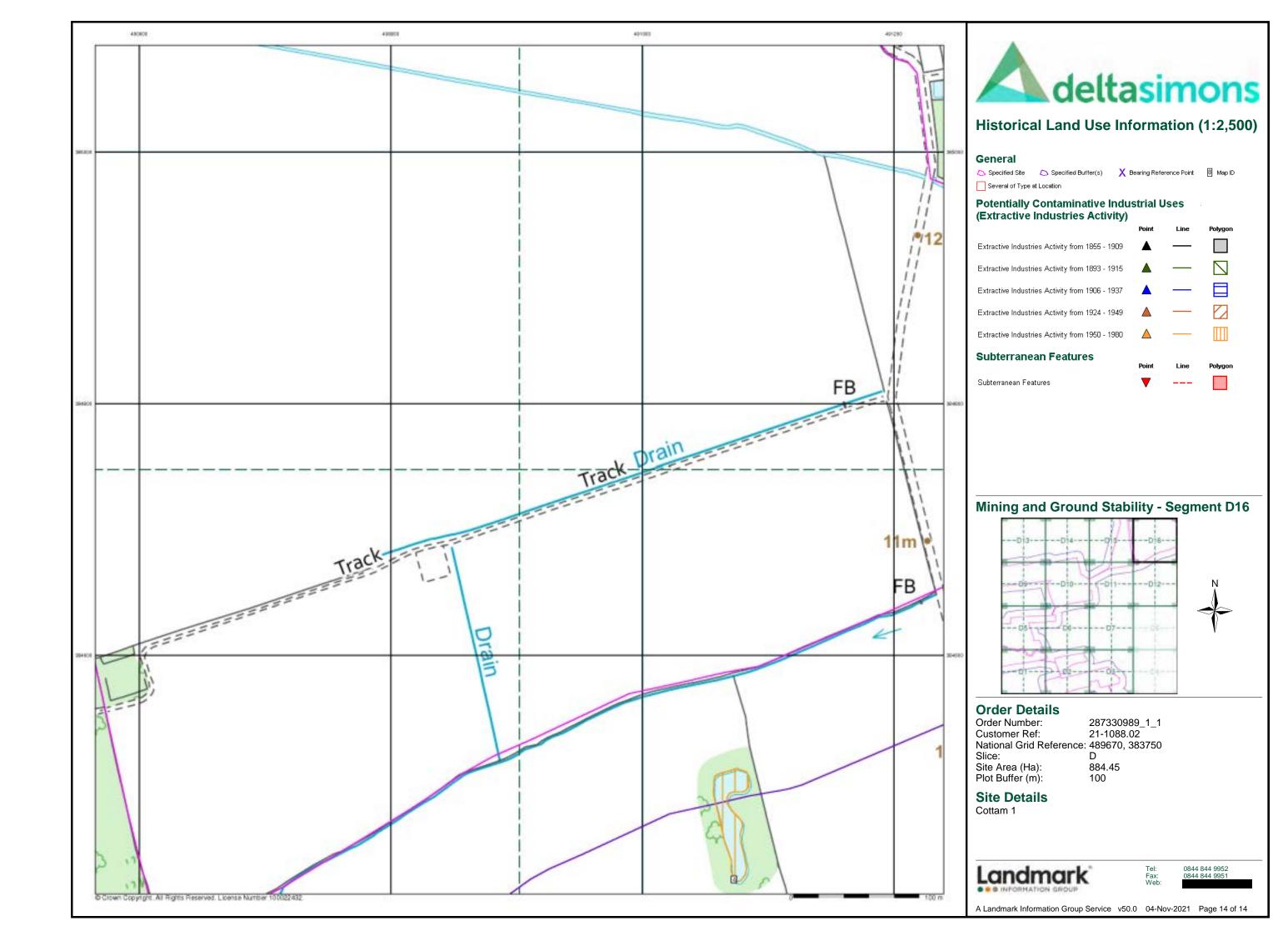












# **Geology 1:50,000 Maps Legends**

## **Superficial Geology**

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	TILMP	Till, Mid Pleistocene	Diamicton	Not Supplied - Cromerian
	GFDMP	Glaciofluvial Deposits, Mid Pleistocene	Sand and Gravel	Not Supplied - Cromerian
	RTDU	River Terrace Deposits (Undifferentiated)	Sand and Gravel	Not Supplied - Quaternary

#### **Bedrock and Faults**

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	CHAM	Charmouth Mudstone Formation	Mudstone	Not Supplied - Sinemurian
	SMD	Scunthorpe Mudstone Formation	Mudstone and Limestone, Interbedded	Not Supplied - Rhaetian



### Geology 1:50,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslip deposits, superficial

The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

### Geology 1:50,000 Maps Coverage

Map ID: 1 Map Sheet No: 102

Map Name: Market Rasen
Map Date: 1999
Bedrock Geology: Available
Superficial Geology: Available
Artificial Geology: Not Available
Faults: Not Supplied

Landslip: Not Available Rock Segments: Not Supplied

#### Geology 1:50,000 Maps - Slice D





### **Order Details:**

Order Number: Customer Reference: National Grid Reference: Slice:

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

Site Details:

Cottam 1

Landmark INFORMATION GROUP

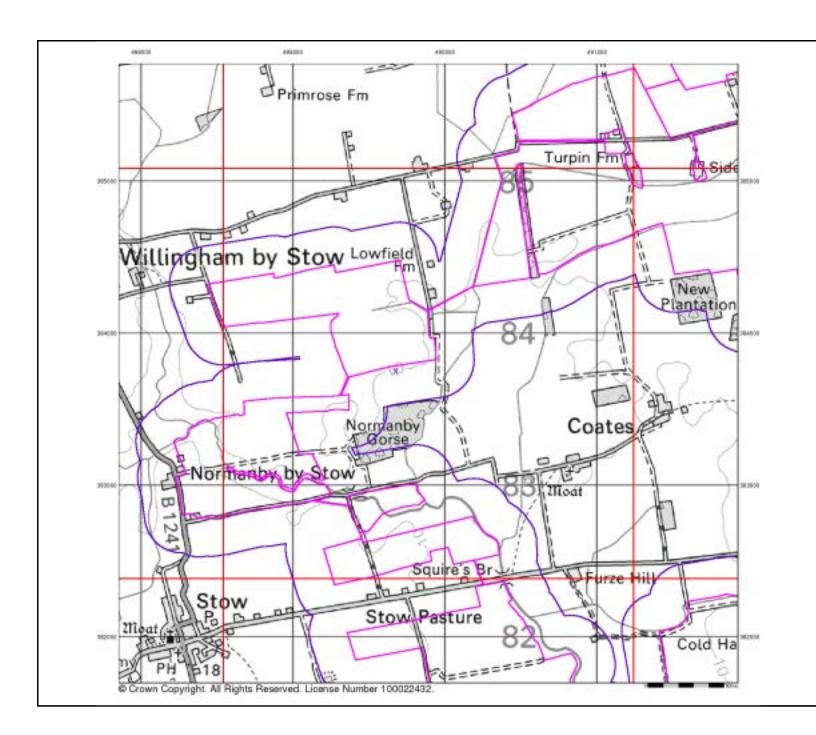
Tel: Fax: Web

287330989\_1\_1 21-1088.02

489670, 383750

884.45

0844 844 9952 0844 844 9951





#### **Artificial Ground and Landslip**

Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground man-made deposits such as embankments and spoil heaps on the natural ground surface.

  - Worked ground - areas where the ground has been cut away such as
- quarries and road cuttings.
- Infilled ground areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground areas where the surface has been reshaped.
   Disturbed ground areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

### Artificial Ground and Landslip Map - Slice D





## **Order Details:**

Order Number: Customer Reference: National Grid Reference:

489670, 383750 Site Area (Ha): Search Buffer (m): 884.45 250

287330989\_1\_1 21-1088.02

Site Details:

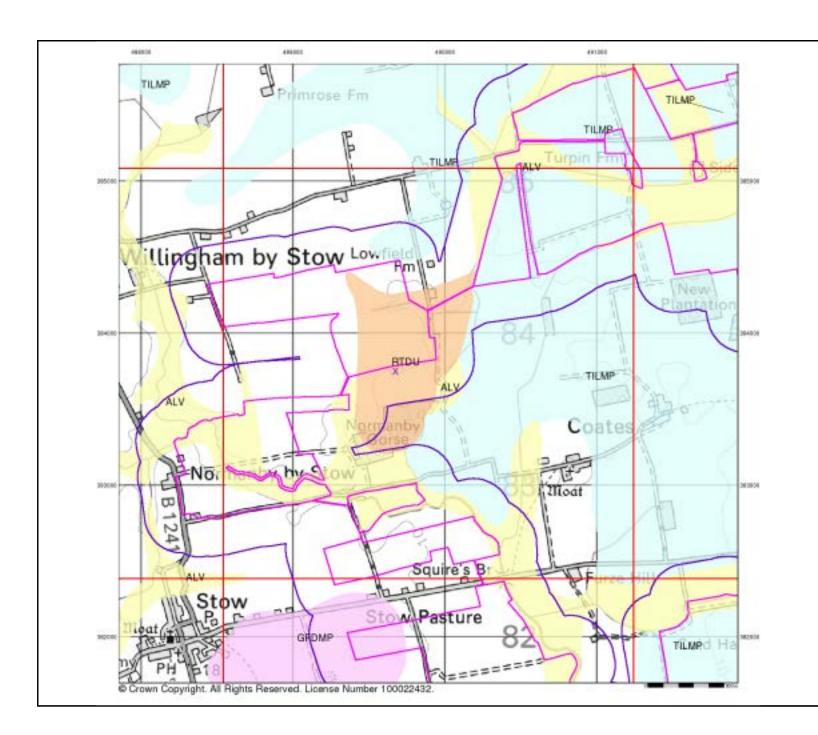
Cottam 1



0844 844 9952 0844 844 9951

v15.0 04-Nov-2021

Page 2 of 5





## **Superficial Geology**

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

## Superficial Geology Map - Slice D





## **Order Details:**

Order Number: Customer Reference: National Grid Reference: Site Area (Ha): Search Buffer (m):

489670, 383750 884.45 250

287330989\_1\_1 21-1088.02

Site Details:

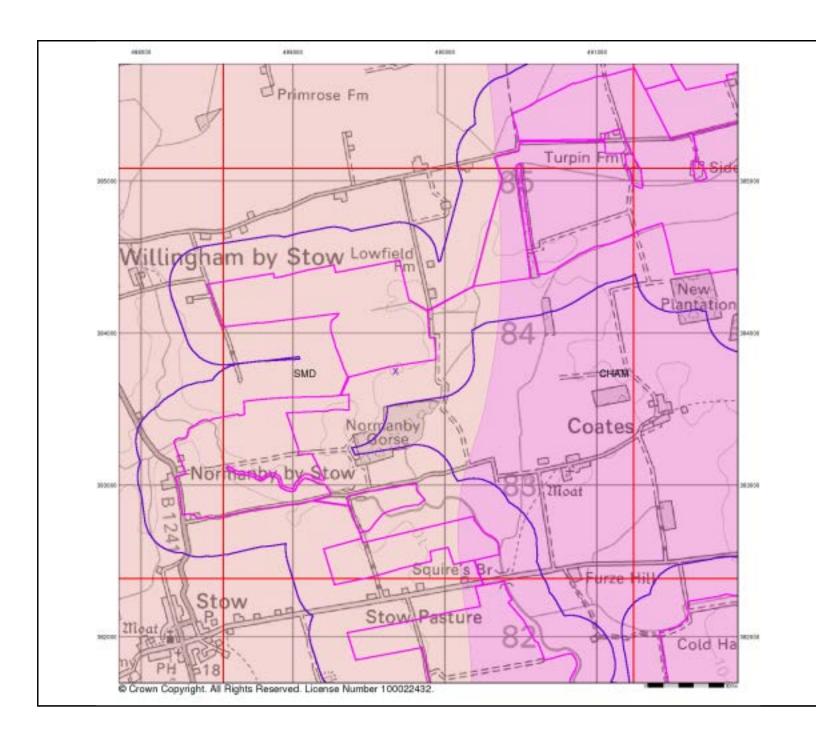
Cottam 1



0844 844 9952 0844 844 9951

v15.0 04-Nov-2021

Page 3 of 5





#### **Bedrock and Faults**

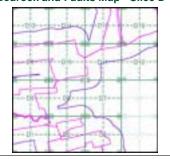
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

#### Bedrock and Faults Map - Slice D



287330989\_1\_1 21-1088.02

489670, 383750



## **Order Details:**

Order Number: Customer Reference: National Grid Reference:

Site Area (Ha): Search Buffer (m): 884.45 250

Site Details:

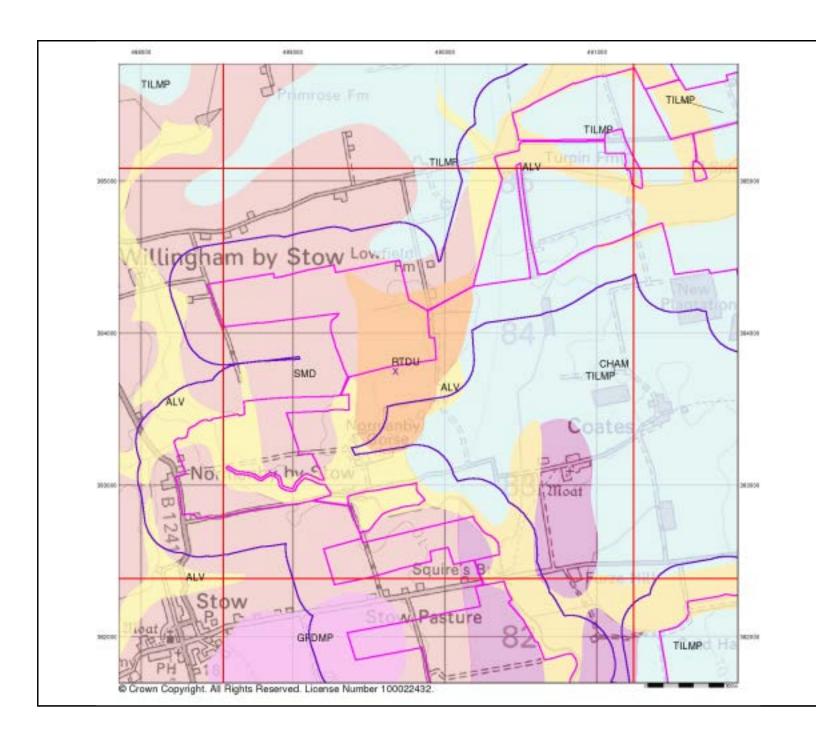
Cottam 1



0844 844 9952 0844 844 9951

v15.0 04-Nov-2021

Page 4 of 5





#### **Combined Surface Geology**

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

#### **Additional Information**

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS

#### Contact

British Geological Survey Kingsley Dunham Centre Keyworth Nottingham NG12 5GG Telephone: 0115 936 3143 Fax: 0115 936 3276 email: enquiries@bgs.ac.uk website: www.bgs.ac.uk

### Combined Geology Map - Slice D





### **Order Details:**

Order Number: Customer Reference: National Grid Reference: Site Area (Ha): Search Buffer (m):

884.45 250

287330989\_1\_1 21-1088.02

489670, 383750

### Site Details:

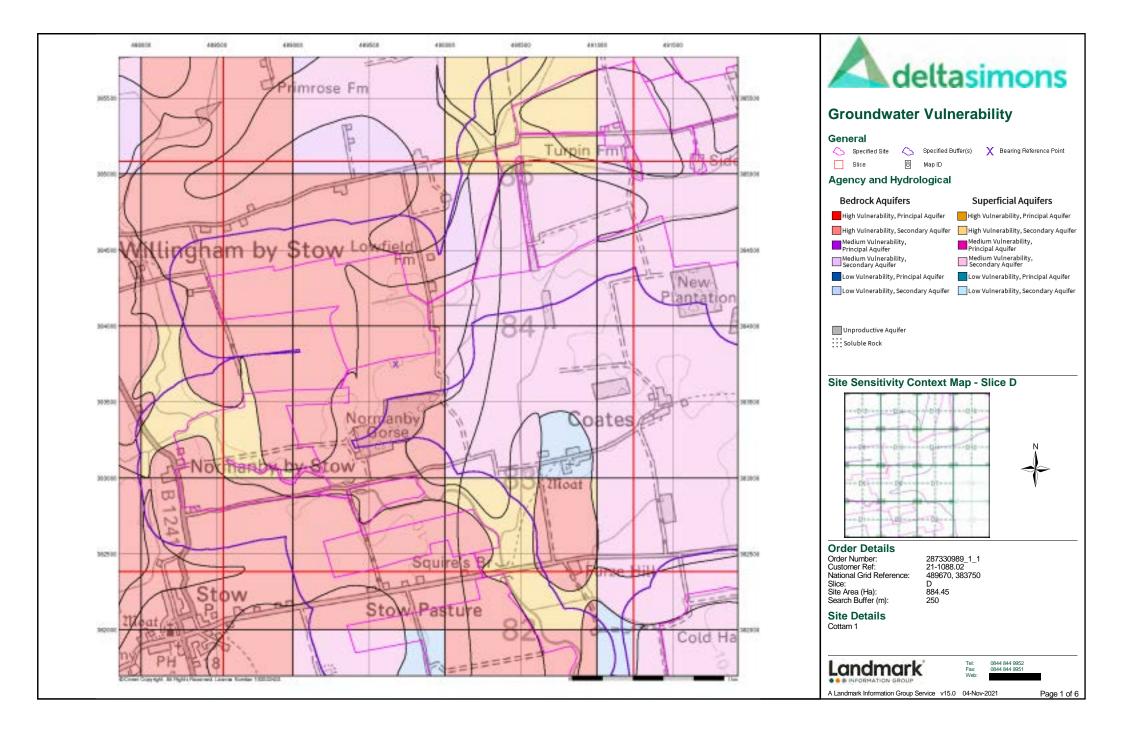
Cottam 1

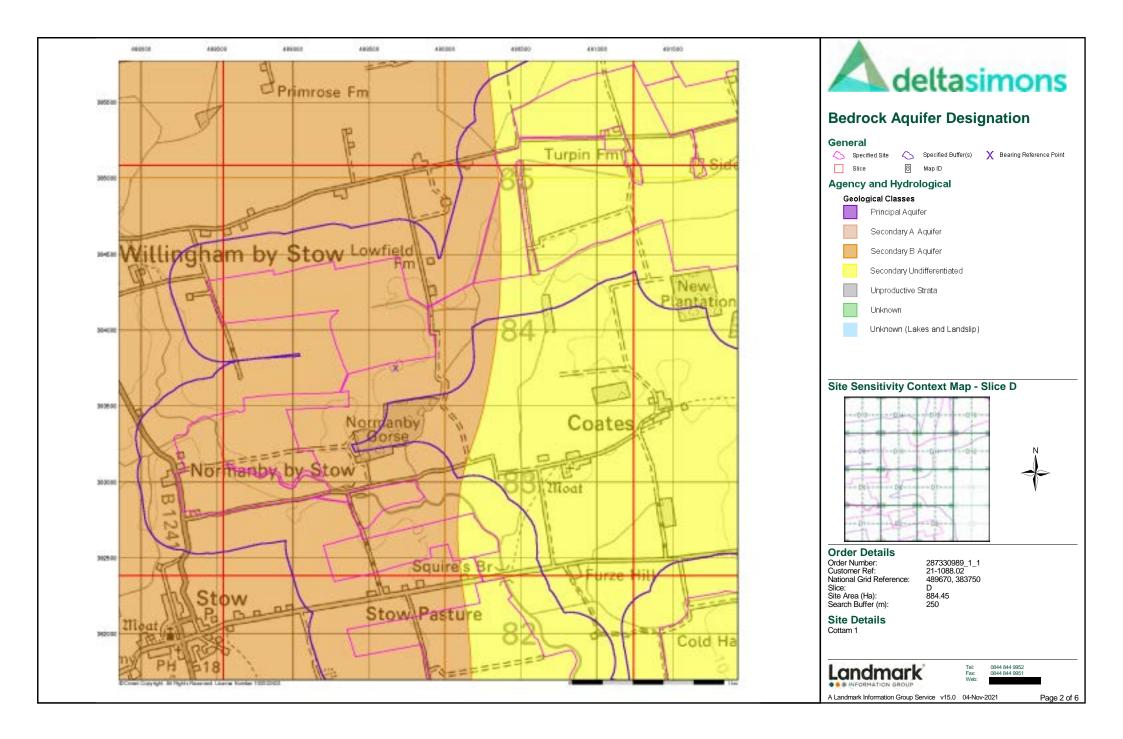


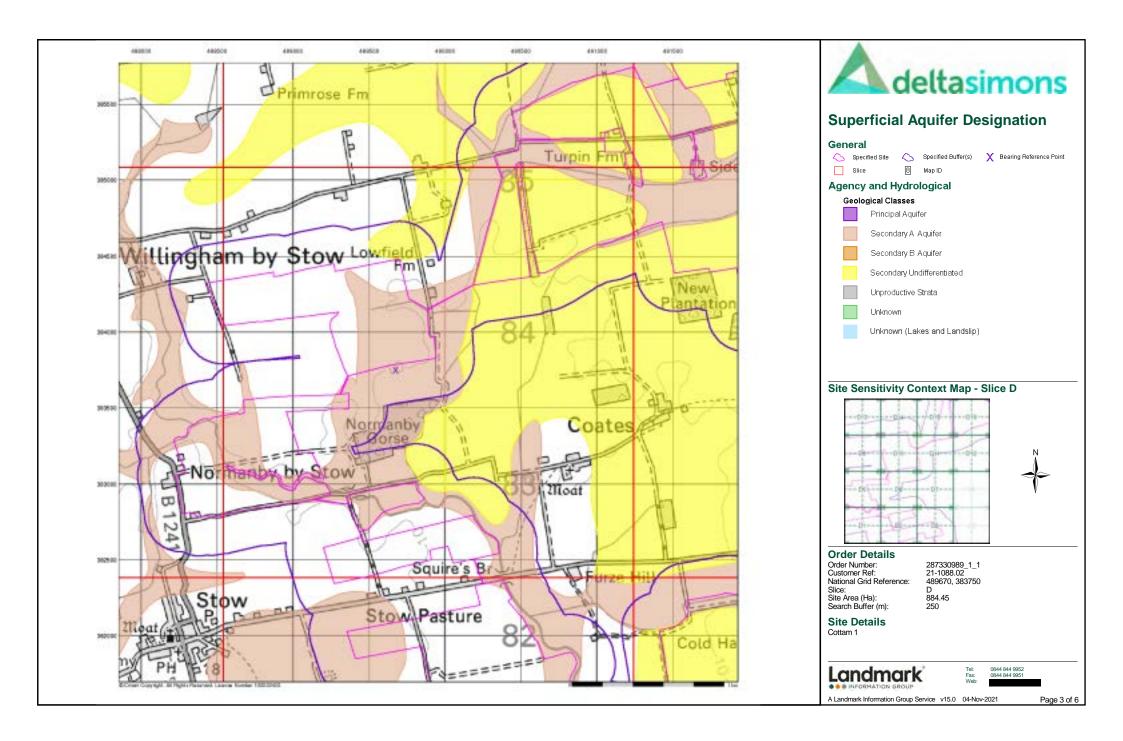
0844 844 9952 0844 844 9951

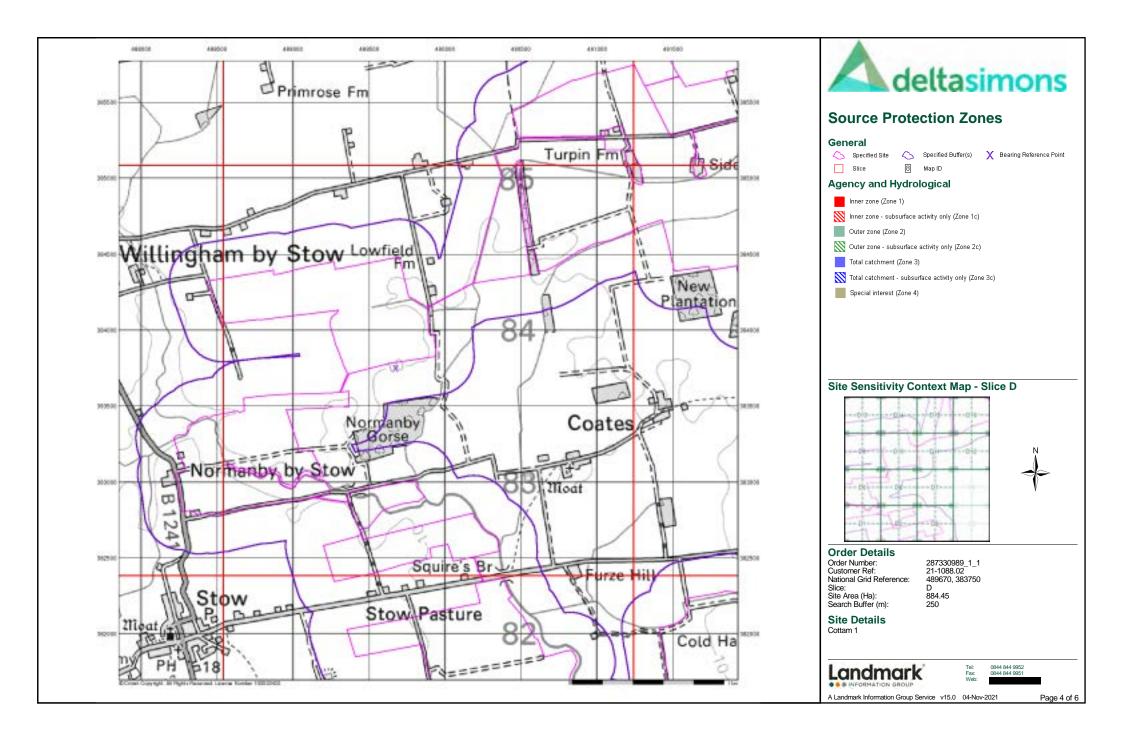
v15.0 04-Nov-2021

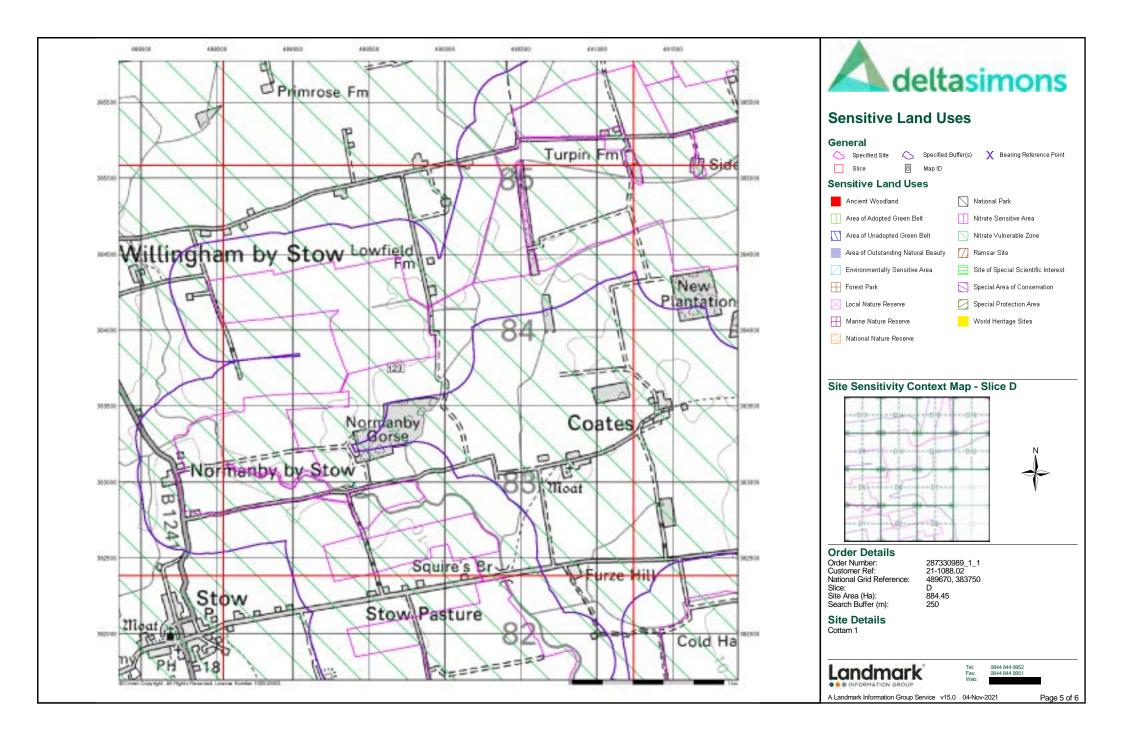
Page 5 of 5

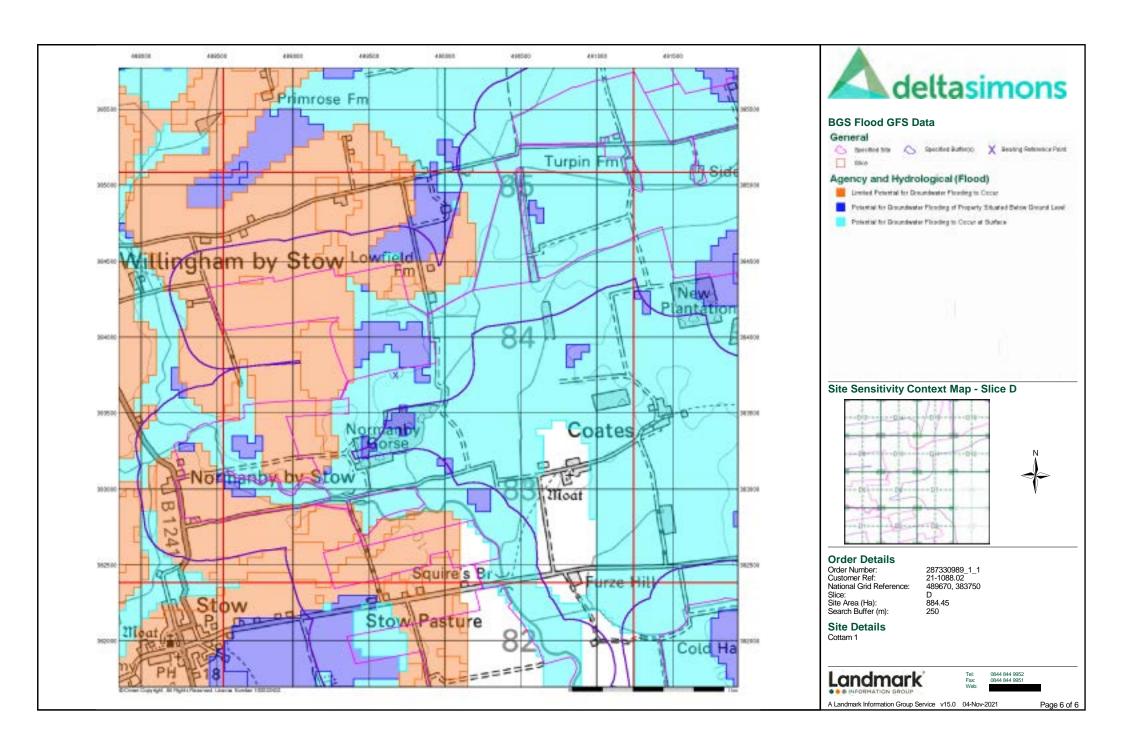














# **Envirocheck® Report:**

# **Datasheet**

# **Order Details:**

Order Number:

287330989\_1\_1

**Customer Reference:** 

21-1088.02

**National Grid Reference:** 

492450, 384020

Slice:

Ε

Site Area (Ha):

884.45

Search Buffer (m):

250

# **Site Details:**

Cottam 1

# **Client Details:**

Mr A Howells Delta Simons 3 Henley Office Park Doddington Road Lincoln LN6 3QR







Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	18
Hazardous Substances	-
Geological	19
Industrial Land Use	-
Sensitive Land Use	23
Data Currency	24
Data Suppliers	29
Useful Contacts	30

#### 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

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.

## Copyright Notice

© Landmark Information Group Limited 2021. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, the Environment Agency/Natural Resources Wales and Natural England, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer.

A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark,

A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report.

© Environment Agency & United Kingdom Research and Innovation 2021. © Natural Resources Wales & United Kingdom Research and Innovation 2021.

### **Natural England Copyright Notice**

Site of Special Scientific Interest, National Nature Reserve, Ramsar, Special Protection Area, Special Conservation Area, Marine Nature Reserve data (derived from Ordnance Survey 1:10000 raster) is provided by, and used with the permission of, Natural England who retain the copyright and Intellectual Property Rights for the data.

### Scottish Natural Heritage Copyright

Contains SNH information licensed under the Open Government Licence v3.0.

## Ove Arup Copyright Notice

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

### Stantec Copyright Notice

The cavity data presented has been extracted from the PBA (now Stantec UK Ltd) enhanced version of the original DEFRA national cavity databases. Stantec UK Ltd retain the copyright & intellectual property rights in the data. Whilst all reasonable efforts are made to check that the information contained in the cavity databases is accurate we do not warrant that the data is complete or error free. The information is based upon our own researches and those collated from a number of external sources and is continually being augmented and updated by Stantec UK Ltd. In no event shall Stantec UK Ltd or Landmark be liable for any loss or damage including, without limitation, indirect or consequential loss or damage arising from the use of this data.

### Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England.

## Natural Resources Wales Copyright Notice

Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Contains Ordnance Survey Data. Ordnance Survey Licence number 100019741. Crown Copyright and Database Right. Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Some features of this information are based on digital spatial data licensed from the Centre for Ecology & Hydrology © NERC (CEH). Defra, Met Office and DARD Rivers Agency © Crown copyright. © Cranfield University. © James Hutton Institute. Contains OS data © Crown copyright and database right 2021. Land & Property Services © Crown copyright and database right.

Report Version v53.0



Data Type	Page Number	On Site	0 to 250m (*up to 500m)
Agency & Hydrological			
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes
Contaminated Land Register Entries and Notices			
Discharge Consents	pg 2	1	
Prosecutions Relating to Controlled Waters			n/a
Enforcement and Prohibition Notices			
Integrated Pollution Controls			
Integrated Pollution Prevention And Control			
Local Authority Integrated Pollution Prevention And Control			
Local Authority Pollution Prevention and Controls			
Local Authority Pollution Prevention and Control Enforcements			
Nearest Surface Water Feature	pg 2	Yes	
Pollution Incidents to Controlled Waters			
Prosecutions Relating to Authorised Processes			
Registered Radioactive Substances			
River Quality			
River Quality Biology Sampling Points			
River Quality Chemistry Sampling Points			
Substantiated Pollution Incident Register			
Water Abstractions			
Water Industry Act Referrals			
Groundwater Vulnerability Map	pg 2	Yes	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a
Groundwater Vulnerability - Local Information			n/a
Bedrock Aquifer Designations	pg 12	Yes	n/a
Superficial Aquifer Designations	pg 12	Yes	n/a
Source Protection Zones			
Extreme Flooding from Rivers or Sea without Defences	pg 13	Yes	
Flooding from Rivers or Sea without Defences	pg 13	Yes	
Areas Benefiting from Flood Defences			
Flood Water Storage Areas			
Flood Defences			
OS Water Network Lines	pg 13	20	16



Data Type	Page Number	On Site	0 to 250m (*up to 500m)
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 18	2	n/a
Local Authority Recorded Landfill Sites			
Potentially Infilled Land (Non-Water)			
Potentially Infilled Land (Water)			
Registered Landfill Sites			
Registered Waste Transfer Sites			
Registered Waste Treatment or Disposal Sites			
Hazardous Substances			
Control of Major Accident Hazards Sites (COMAH)			
Explosive Sites			
Notification of Installations Handling Hazardous Substances (NIHHS)			
Planning Hazardous Substance Consents			
Planning Hazardous Substance Enforcements			



Data Type	Page Number	On Site	0 to 250m (*up to 500m)
Geological			
BGS 1:625,000 Solid Geology	pg 19	Yes	n/a
BGS Estimated Soil Chemistry	pg 19	Yes	
BGS Recorded Mineral Sites			
BGS Urban Soil Chemistry			
BGS Urban Soil Chemistry Averages			
CBSCB Compensation District			n/a
Coal Mining Affected Areas			n/a
Mining Instability			n/a
Man-Made Mining Cavities			
Natural Cavities			
Non Coal Mining Areas of Great Britain			
Potential for Collapsible Ground Stability Hazards	pg 20	Yes	
Potential for Compressible Ground Stability Hazards	pg 20	Yes	
Potential for Ground Dissolution Stability Hazards			
Potential for Landslide Ground Stability Hazards	pg 20	Yes	
Potential for Running Sand Ground Stability Hazards	pg 20	Yes	
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 21	Yes	
Radon Potential - Radon Affected Areas			n/a
Radon Potential - Radon Protection Measures			n/a
Industrial Land Use			
Contemporary Trade Directory Entries			
Fuel Station Entries			
Points of Interest - Commercial Services			
Points of Interest - Education and Health			
Points of Interest - Manufacturing and Production			
Points of Interest - Public Infrastructure			
Points of Interest - Recreational and Environmental			
Gas Pipelines			
Underground Electrical Cables			



Data Type	Page Number	On Site	0 to 250m (*up to 500m)
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 23	1	
Ramsar Sites			
Sites of Special Scientific Interest			
Special Areas of Conservation			
Special Protection Areas			
World Heritage Sites			



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	E11SE (E)	0	1	492950 383900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	1	492050 382200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	E3SW (S)	0	1	492700 382400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	1	492900 382350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	0	1	491950 385700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	E10NE (N)	0	1	492400 384350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	E6NE (S)	0	1	492300 383450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	E15NW (N)	0	1	492600 385000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	E16NW (NE)	0	1	493450 384750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	E10SE (NW)	0	1	492448 384023
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	0	1	491950 385550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	E15NE (NE)	0	1	492950 385050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	1	490650 384750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	E14NE (N)	0	1	492448 385000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	E15NE (NE)	0	1	493250 385000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	E10SE (S)	0	1	492450 384000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	E3SW (S)	1	1	492800 382400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	E4NW (SE)	3	1	493300 382850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	124	1	493450 382100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	E9NW (W)	182	1	491350 384150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	E4NW (SE)	229	1	493450 382800

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 1 of 30



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Discharge Consent	s				
1	Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date:	Limestone Farming Company Undefined Or Other Crewyards At Blackham Low Farm, Blackham Low Farm, Cammeringham Environment Agency, Anglian Region Not Supplied Pr3nfs1614 1 12th March 1969	E3SW (S)	0	2	492740 382520
	Issued Date: Revocation Date: Discharge Type: Discharge	12th March 1969 19th February 1992 Trade Effluent Freshwater Stream/River				
	Environment: Receiving Water: Status: Positional Accuracy:	Trib River Till  Pre National Rivers Authority Legislation where issue date < 01/09/1989  Located by supplier to within 10m				
	Nearest Surface Wa	ater Feature	E3SE (S)	0	-	493051 382454
	Groundwater Vulne	erability Map				
	Combined Classification: Combined	Secondary Superficial Aquifer - Medium Vulnerability  Medium	(W)	0	3	491000 384023
	Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Well Connected Fractures <300 mm/year 40-70%				
	Superficial Patchiness: Superficial	<90% <3m				
	Thickness: Superficial Recharge:	Low				
	Groundwater Vulne	erability Map				
	Combined Classification: Combined	Secondary Superficial Aquifer - Medium Vulnerability  Medium	(NW)	0	3	491000 384962
	Vulnerability: Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Bedrock Flow: Dilution: Baseflow Index: Superficial	Well Connected Fractures <300 mm/year 40-70% <90%				
	Patchiness: Superficial Thickness:	<3m				
	Superficial Recharge:	Low				
	Groundwater Vulne	• •	E40804/		_	404545
	Combined Classification: Combined	Secondary Superficial Aquifer - Medium Vulnerability  Medium	E13NW (NW)	0	3	491545 385000
	Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Poorly Connected Fractures				
	Dilution: Baseflow Index: Superficial	-300 mm/year 40-70% >90%				
	Patchiness: Superficial Thickness:	3-10m				
	Superficial Recharge:	Low				

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 Page 2 of 30



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	E10SW (W)	0	3	492000 384023
	Combined Vulnerability:	Medium	(**)			
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow:	Poorly Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial Patchiness:	>90%				
	Superficial Thickness:	3-10m				
	Superficial Recharge:	Low				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - High Vulnerability	(NW)	0	3	491000 385086
	Combined	High				303000
	Vulnerability: Combined Aquifer:	Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	High Well Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial Patchiness:	>90%				
	Superficial	<3m				
	Thickness: Superficial Recharge:	Low				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - High Vulnerability	(NW)	0	3	490883 385000
	Combined	High				303000
	Vulnerability: Combined Aquifer:	Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	High Well Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial Patchiness:	>90%				
	Superficial Thickness:	<3m				
	Superficial Recharge:	Low				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - High Vulnerability	(NW)	0	3	491000
	Combined	High				385000
	Vulnerability: Combined Aquifer:	Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	High Well Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial Patchiness:	>90%				
	Superficial	<3m				
	Thickness: Superficial Recharge:	Low				



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	E13NW (NW)	0	3	491554 385006
	Combined Vulnerability:	Medium	(****)			
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% >90%				
	Patchiness: Superficial	3-10m				
	Thickness: Superficial	High				
	Recharge:  Groundwater Vulne	erability Man				
	Combined	Secondary Superficial Aquifer - Medium Vulnerability	(NW)	0	3	491882
	Classification: Combined Vulnerability:	Medium				385157
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow:	Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% >90%				
	Patchiness: Superficial	3-10m				
	Thickness: Superficial Recharge:	High				
	-	orability Man				
	Groundwater Vulne Combined	Secondary Superficial Aquifer - Medium Vulnerability	E14NW	0	3	492000
	Classification: Combined	Medium	(NW)			385000
	Vulnerability: Combined Aquifer:	Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed: Bedrock Flow: Dilution:	Low Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% >90%				
	Patchiness: Superficial	3-10m				
	Thickness: Superficial	High				
	Recharge:					
	Groundwater Vulne	• •	E13NW	0	2	404220
	Combined Classification: Combined	Secondary Superficial Aquifer - Medium Vulnerability  Medium	(NW)	0	3	491320 385000
	Vulnerability: Combined Aquifer:	Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	Low Poorly Connected Fractures				
	Dilution: Baseflow Index:	-300 mm/year 40-70%				
	Superficial Patchiness:	>90%				
	Superficial Thickness:	3-10m				
	Superficial Recharge:	High				



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	E14NE (N)	0	3	492448 385000
	Combined Vulnerability:	Medium	(**)			
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% ->90%				
	Patchiness: Superficial	3-10m				
	Thickness: Superficial	High				
	Recharge:	vanhilita i Bana				
	Groundwater Vulne Combined	Secondary Superficial Aquifer - Medium Vulnerability	(N)	0	3	492000
	Classification: Combined	Medium				385247
	Vulnerability: Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Bedrock Flow:	Low Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% >90%				
	Patchiness: Superficial	3-10m				
	Thickness: Superficial	High				
	Recharge:					
	Groundwater Vulne					
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	(SW)	0	3	490900 382000
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed: Bedrock Flow:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Well Connected Fractures				
	Dilution: Baseflow Index:	<ul><li>40-70%</li></ul>				
	Superficial Patchiness:	<90%				
	Superficial Thickness:	<3m				
	Superficial Recharge:	No Data				
	Groundwater Vulne	• •				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	(S)	0	3	492000 382000
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution: Baseflow Index:	Poorly Connected Fractures <300 mm/year 40-70%				
	Superficial Patchiness:	40-70% <90%				
	Superficial Thickness:	<3m				
	Superficial Recharge:	Low				



Page 6 of 30

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	(S)	0	3	492448 382000
	Combined Vulnerability:	Medium				302000
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% >90%				
	Patchiness: Superficial	<3m				
	Thickness: Superficial	Low				
	Recharge:	2011				
	Groundwater Vulne Combined	erability Map Secondary Superficial Aquifer - Medium Vulnerability	(S)	0	3	492376
	Classification: Combined	Medium	(3)		3	382000
	Vulnerability: Combined Aquifer:	Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	Low Poorly Connected Fractures				
	Dilution: Baseflow Index:	-300 mm/year 40-70%				
	Superficial Patchiness:	>90%				
	Superficial Thickness:	<3m				
	Superficial Recharge:	Low				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	E14NW (N)	0	3	492227 385000
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% >90%				
	Patchiness: Superficial	3-10m				
	Thickness: Superficial	High				
	Recharge:					
	Groundwater Vulne Combined	erability Map Secondary Superficial Aquifer - Medium Vulnerability	E15NE	0	3	493000
	Classification: Combined	Medium	(NE)		3	385000
	Vulnerability: Combined Aquifer:	Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	Low Poorly Connected Fractures				
	Dilution: Baseflow Index:	<ul><li>40-70%</li></ul>				
	Superficial Patchiness:	40-70% >90%				
	Superficial	3-10m				
	Thickness: Superficial Recharge:	No Data				



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	E14NW (NW)	0	3	492000 384818
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% >90%				
	Patchiness: Superficial	3-10m				
	Thickness: Superficial	Low				
	Recharge:					
	Groundwater Vulne Combined	erability Map  Secondary Superficial Aquifer - Medium Vulnerability	E10SE	0	3	492448
	Classification: Combined	Medium	(NW)			384023
	Vulnerability: Combined Aquifer:	Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	Low Poorly Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial Patchiness:	>90%				
	Superficial Thickness:	3-10m				
	Superficial Recharge:	No Data				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	E14NW (NW)	0	3	492010 384823
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% · >90%				
	Patchiness: Superficial	3-10m				
	Thickness: Superficial	No Data				
	Recharge:  Groundwater Vulne	arahility Man				
	Combined	Secondary Superficial Aquifer - Medium Vulnerability	E11SE	0	3	493000
	Classification: Combined	Medium	(E)			384023
	Vulnerability: Combined Aquifer:	Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	Low Poorly Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial Patchiness:	>90%				
	Superficial Thickness:	3-10m				
	Superficial Recharge:	High				



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - High Vulnerability	(SW)	0	3	490616 383000
	Combined Vulnerability:	High				000000
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer High				
	Bedrock Flow: Dilution:	Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness: Superficial	<3m				
	Thickness: Superficial Recharge:	No Data				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	(S)	0	3	492000 382165
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Poorly Connected Fractures <300 mm/year 40-70%				
	Baseflow Index: Superficial Patchiness:	40-70% <90%				
	Superficial Thickness:	<3m				
	Superficial Recharge:	Low				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	E2SW (S)	0	3	492000 382506
	Combined Vulnerability:	Medium	(=)			
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness: Superficial Thickness:	<3m				
	Superficial Recharge:	Low				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - High Vulnerability	E3SW (S)	0	3	492674 382532
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer High				
	Bedrock Flow: Dilution: Baseflow Index:	Poorly Connected Fractures <300 mm/year >70%				
	Superficial Patchiness:	>/0% >90%				
	Superficial Thickness:	<3m				
	Superficial Recharge:	High				



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined	Secondary Superficial Aquifer - High Vulnerability	(S)	0	3	492008
	Classification: Combined	High				382163
	Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index:	Productive Bedrock Aquifer, Productive Superficial Aquifer High Poorly Connected Fractures <300 mm/year >70%				
	Superficial Patchiness:	>90%				
	Superficial Thickness: Superficial	<3m				
	Recharge:	High				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - High Vulnerability	E2NE (S)	0	3	492442 383000
	Combined Vulnerability: Combined Aquifer:	High  Productive Pedrock Aguifer Productive Superficial Aguifer				
	Pollutant Speed: Bedrock Flow: Dilution:	Productive Bedrock Aquifer, Productive Superficial Aquifer High Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial Patchiness:	>70% >90%				
	Superficial Thickness:	<3m				
	Superficial Recharge:	High				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	E4NW (SE)	0	3	493351 382852
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed: Bedrock Flow:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Poorly Connected Fractures				
	Dilution: Baseflow Index: Superficial	<300 mm/year 40-70% <90%				
	Patchiness: Superficial Thickness:	<3m				
	Superficial Recharge:	Low				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	E11SW (E)	0	3	492710 383945
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed: Bedrock Flow:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Poorly Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial Patchiness: Superficial	>90% <3m				
	Thickness: Superficial Recharge:	No Data				



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined	Secondary Superficial Aquifer - Medium Vulnerability	E6SE	0	3	492545
	Classification: Combined	Medium	(S)			383288
	Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Poorly Connected Fractures <300 mm/year 40-70%				
	Superficial Patchiness:	>90%				
	Superficial Thickness:	<3m No Data				
	Superficial Recharge:	no Data				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	E10SE (S)	0	3	492448 384000
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial Patchiness:	40-70% >90%				
	Superficial Thickness:	<3m				
	Superficial Recharge:	No Data				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	(SW)	0	3	491000 382000
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed: Bedrock Flow:	Productive Bedrock Aquifer, No Superficial Aquifer Low Well Connected Fractures				
	Dilution: Baseflow Index: Superficial	<300 mm/year 40-70% <90%				
	Patchiness: Superficial Thickness:	<3m				
	Superficial Recharge:	No Data				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	(SW)	0	3	490586 382000
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed: Bedrock Flow:	Productive Bedrock Aquifer, No Superficial Aquifer Low Well Connected Fractures				
	Dilution: Baseflow Index: Superficial	<300 mm/year 40-70% <90%				
	Patchiness: Superficial	<3m				
	Thickness: Superficial Recharge:	No Data				

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 10 of 30



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - Low Vulnerability	(SW)	0	3	491283 382000
	Combined Vulnerability:	Low				302000
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, No Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Poorly Connected Fractures <300 mm/year				
	Baseflow Index:	40-70%				
	Superficial Patchiness:	<90%				
	Superficial Thickness:	<3m				
	Superficial Recharge:	Low				
	Groundwater Vulne	•				
	Combined Classification:	Secondary Bedrock Aquifer - Low Vulnerability	(S)	0	3	492804 382000
	Combined Vulnerability:	Low				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, No Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% >90%				
	Patchiness: Superficial	<3m				
	Thickness: Superficial	Low				
	Recharge:					
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - Low Vulnerability	(S)	0	3	493000 382000
	Combined Vulnerability:	Low				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, No Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70%				
	Patchiness: Superficial	<3m				
	Thickness: Superficial	Low				
	Recharge:	•				
	Groundwater Vulne	• •				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	(SW)	0	3	490271 382644
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, No Superficial Aquifer High				
	Bedrock Flow: Dilution:	Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness: Superficial	<3m				
	Thickness: Superficial	No Data				
	Recharge:					



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne					
	Combined Classification: Combined Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index: Superficial Patchiness: Superficial	Secondary Bedrock Aquifer - Medium Vulnerability  Medium  Productive Bedrock Aquifer, No Superficial Aquifer High Poorly Connected Fractures <300 mm/year >70% >90%  <3m	E3SW (S)	0	3	492719 382679
	Thickness: Superficial Recharge:	High				
	Groundwater Vulne	vrahility Man				
	Combined Classification: Combined Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index: Superficial Patchiness: Superficial Thickness: Superficial Recharge:	Secondary Bedrock Aquifer - Low Vulnerability  Low  Productive Bedrock Aquifer, No Superficial Aquifer Low Poorly Connected Fractures <300 mm/year 40-70% <90%  <3m  Low	E4NW (SE)	0	3	493299 382881
	Groundwater Vulne	rability - Soluble Rock Risk				
	None					
	Bedrock Aquifer De Aquifer Designation:	esignations Secondary Aquifer - Undifferentiated	E10SE (NW)	0	3	492448 384023
	Bedrock Aquifer De Aquifer Designation:	esignations Secondary Aquifer - Undifferentiated	E14NE (N)	0	3	492448 385000
	Superficial Aquifer Aquifer Designation:	Designations Secondary Aquifer - Undifferentiated	E10SE (NW)	0	3	492448 384023
	Superficial Aquifer Aquifer Designation:	Designations Secondary Aquifer - Undifferentiated	E14NE (N)	0	3	492448 385000
	Superficial Aquifer Aquifer Designation:	Designations Secondary Aquifer - Undifferentiated	(NW)	0	3	490883 385000
	Superficial Aquifer Aquifer Designation:	Designations Secondary Aquifer - Undifferentiated	(NW)	0	3	491882 385157
	Superficial Aquifer Aquifer Designation:	Designations Secondary Aquifer - Undifferentiated	E13NW (NW)	0	3	491545 385000
	Superficial Aquifer Aquifer Designation:	Designations Secondary Aquifer - Undifferentiated	E13NW (NW)	0	3	491554 385006
	Superficial Aquifer Aquifer Designation:	<b>Designations</b> Secondary Aquifer - A	E6SE (S)	0	3	492545 383288
	Superficial Aquifer Aquifer Designation:	<b>Designations</b> Secondary Aquifer - A	E11SW (E)	0	3	492710 383945
	Superficial Aquifer Aquifer Designation:	<b>Designations</b> Secondary Aquifer - A	E14NW (NW)	0	3	492010 384823
	Superficial Aquifer Aquifer Designation:	<b>Designations</b> Secondary Aquifer - A	E14NW (N)	0	3	492227 385000

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - Undifferentiated	E3SW (S)	0	3	492674 382532
	Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - Undifferentiated	E4NW (SE)	0	3	493351 382852
	Extreme Flooding from Rivers or Sea without Defences  Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	E11SW (SE)	0	2	492645 383785
	Extreme Flooding from Rivers or Sea without Defences  Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	E14NW (NW)	0	2	491990 384825
	Flooding from Rivers or Sea without Defences  Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	E13NE (NW)	0	2	491895 384890
	Flooding from Rivers or Sea without Defences  Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	E11SW (SE)	0	2	492640 383775
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
2	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 669.6  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E14NE (N)	0	4	492567 385050
3	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 136.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E15SE (NE)	0	4	492941 384701
4	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 163.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E15SE (NE)	0	4	492941 384701
5	OS Water Network Lines  Watercourse Form: Lake Watercourse Length: 40.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E15SE (NE)	0	4	493104 384723
6	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 122.0  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E15SE (NE)	0	4	493117 384720

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service



Page 14 of 30

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E16SW (NE)	0	4	493291 384688
8	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 7.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E15SE (NE)	0	4	493238 384708
9	OS Water Network Lines  Watercourse Form: Lake Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E15SE (NE)	0	4	493237 384702
10	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E15SE (NE)	0	4	493238 384715
11	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 593.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E16SW (NE)	0	4	493291 384688
12	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 5.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E16NW (NE)	0	4	493383 385027
13	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 706.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E3SW (S)	0	4	492803 382553
14	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 1224.6  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E11SW (E)	0	4	492722 383975
15	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 305.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E3SE (S)	0	4	493051 382454



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 251.1  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E4SW (SE)	0	4	493318 382396
17	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 488.7  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E4SW (SE)	0	4	493318 382396
18	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 292.8  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E2SW (S)	0	4	492250 382581
19	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 2066.4  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E13NE (NW)	0	4	491801 385052
20	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 1532.3  Watercourse Level: Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E14NW (NW)	0	4	492008 384833
21	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 166.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E14NE (N)	0	4	492268 385048
22	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 211.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E16NW (NE)	3	4	493389 385028
23	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 1076.0  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E7NW (SE)	4	4	492644 383592
24	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 355.8  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E7NW (SE)	6	4	492644 383592



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 115.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E10NW (W)	38	4	491938 384123
26	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E9NE (W)	90	4	491888 384106
27	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E3SW (S)	100	4	492619 382641
28	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 707.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E9NW (W)	154	4	491320 384321
29	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 14.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E2SW (S)	167	4	492250 382595
30	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 93.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E2SE (S)	172	4	492343 382607
31	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 60.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	E2SE (S)	173	4	492315 382656
32	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 10.3  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E2SE (S)	173	4	492353 382608
33	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 6.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E2SE (S)	173	4	492359 382609



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 92.4  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E2SE (S)	181	4	492315 382656
35	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 377.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E7SE (SE)	241	4	493014 383071
36	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 1096.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E3NE (SE)	241	4	493120 382835
37	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 635.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E6SW (SW)	244	4	491943 383293

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service



#### **Waste**

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage				
	Name: West Lindsey District Council - Has no landfill data to supply		0	5	492448 384023
	Local Authority Landfill Coverage				
	Name: Lincolnshire County Council - Had landfill data but passed it to the relevant environment agency		0	6	492448 384023

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 18 of 30





Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid	d Geology				
	Description:	Lias Group	E10SE (NW)	0	1	492448 384023
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg <1.8 mg/kg 90 - 120 mg/kg	E4NW (SE)	0	1	493376 383039
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil <15 mg/kg <1.8 mg/kg 60 - 90 mg/kg <100 mg/kg 15 - 30 mg/kg	E10SE (NW)	0	1	492448 384023
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil <15 mg/kg <1.8 mg/kg 60 - 90 mg/kg	E4NW (SE)	0	1	493351 382852
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil <15 mg/kg <1.8 mg/kg 90 - 120 mg/kg	E14NE (N)	0	1	492448 385000
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg <1.8 mg/kg 90 - 120 mg/kg	E15NE (NE)	0	1	493000 385000
	BGS Measured Urba	an Soil Chemistry				
	BGS Urban Soil Che	emistry Averages				
	Coal Mining Affecte	not be affected by coal mining				





Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Hazard Potential: No	le Ground Stability Hazards o Hazard itish Geological Survey, National Geoscience Information Service	E6SE (S)	0	1	492545 383288
	Hazard Potential: No	le Ground Stability Hazards o Hazard ritish Geological Survey, National Geoscience Information Service	E14NW (N)	0	1	492227 385000
	Hazard Potential: No	le Ground Stability Hazards  b Hazard  itish Geological Survey, National Geoscience Information Service	E14NW (NW)	0	1	492010 384823
	Hazard Potential: No	le Ground Stability Hazards  b Hazard  itish Geological Survey, National Geoscience Information Service	E11SW (E)	0	1	492710 383945
	Hazard Potential: Ve	le Ground Stability Hazards ery Low ritish Geological Survey, National Geoscience Information Service	E10SE (NW)	0	1	492448 384023
	Hazard Potential: Ve	le Ground Stability Hazards ery Low ritish Geological Survey, National Geoscience Information Service	E13NW (NW)	0	1	491554 385006
	Hazard Potential: Ve	le Ground Stability Hazards ery Low ritish Geological Survey, National Geoscience Information Service	E13NW (NW)	0	1	491545 385000
	Hazard Potential: Ve	le Ground Stability Hazards ery Low ritish Geological Survey, National Geoscience Information Service	E14NE (N)	0	1	492448 385000
	Hazard Potential: No	sible Ground Stability Hazards b Hazard titish Geological Survey, National Geoscience Information Service	E10SE (NW)	0	1	492448 384023
	Hazard Potential: No	sible Ground Stability Hazards b Hazard itish Geological Survey, National Geoscience Information Service	E13NW (NW)	0	1	491554 385006
	Hazard Potential: No	sible Ground Stability Hazards o Hazard itish Geological Survey, National Geoscience Information Service	E13NW (NW)	0	1	491545 385000
	Hazard Potential: No	sible Ground Stability Hazards o Hazard itish Geological Survey, National Geoscience Information Service	E14NE (N)	0	1	492448 385000
	Hazard Potential: Me	sible Ground Stability Hazards oderate ritish Geological Survey, National Geoscience Information Service	E14NW (N)	0	1	492227 385000
	Hazard Potential: Me	sible Ground Stability Hazards oderate ritish Geological Survey, National Geoscience Information Service	E14NW (NW)	0	1	492010 384823
	Hazard Potential: Me	sible Ground Stability Hazards oderate itish Geological Survey, National Geoscience Information Service	E11SW (E)	0	1	492710 383945
	Hazard Potential: Me	sible Ground Stability Hazards oderate itish Geological Survey, National Geoscience Information Service	E6SE (S)	0	1	492545 383288
	Hazard Potential: No	vissolution Stability Hazards o Hazard ritish Geological Survey, National Geoscience Information Service	E14NE (N)	0	1	492448 385000
	Hazard Potential: No	vissolution Stability Hazards o Hazard ritish Geological Survey, National Geoscience Information Service	E10SE (NW)	0	1	492448 384023
	Hazard Potential: Ve	e Ground Stability Hazards ery Low ritish Geological Survey, National Geoscience Information Service	E10SE (NW)	0	1	492448 384023
	Hazard Potential: Ve	e Ground Stability Hazards ery Low ritish Geological Survey, National Geoscience Information Service	E14NE (N)	0	1	492448 385000
	Hazard Potential: Ve	Sand Ground Stability Hazards ery Low ritish Geological Survey, National Geoscience Information Service	E13NW (NW)	0	1	491554 385006

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 20 of 30





Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Hazard Potential:	g Sand Ground Stability Hazards Very Low British Geological Survey, National Geoscience Information Service	E13NW (NW)	0	1	491545 385000
	Hazard Potential:	g Sand Ground Stability Hazards Very Low British Geological Survey, National Geoscience Information Service	E4NW (SE)	0	1	493351 382852
	Hazard Potential:	g Sand Ground Stability Hazards Very Low British Geological Survey, National Geoscience Information Service	E14NE (N)	0	1	492448 385000
	Hazard Potential:	g Sand Ground Stability Hazards Very Low British Geological Survey, National Geoscience Information Service	E10SE (NW)	0	1	492448 384023
	Hazard Potential:	y Sand Ground Stability Hazards No Hazard British Geological Survey, National Geoscience Information Service	E4NW (SE)	0	1	493376 383039
	Hazard Potential:	g Sand Ground Stability Hazards Very Low British Geological Survey, National Geoscience Information Service	E3SW (S)	0	1	492674 382532
	Hazard Potential: L	g Sand Ground Stability Hazards  _ow  British Geological Survey, National Geoscience Information Service	E6SE (S)	0	1	492545 383288
	Hazard Potential: L	g Sand Ground Stability Hazards Low British Geological Survey, National Geoscience Information Service	E14NW (N)	0	1	492227 385000
	Hazard Potential: L	g Sand Ground Stability Hazards Low British Geological Survey, National Geoscience Information Service	E14NW (NW)	0	1	492010 384823
	Hazard Potential: L	g Sand Ground Stability Hazards Low British Geological Survey, National Geoscience Information Service	E11SW (E)	0	1	492710 383945
	Hazard Potential: L	ng or Swelling Clay Ground Stability Hazards  Low  British Geological Survey, National Geoscience Information Service	E14NE (N)	0	1	492448 385000
	Hazard Potential: L	ng or Swelling Clay Ground Stability Hazards  Low British Geological Survey, National Geoscience Information Service	E10SE (NW)	0	1	492448 384023
	Hazard Potential: L	ng or Swelling Clay Ground Stability Hazards  Low British Geological Survey, National Geoscience Information Service	E13NW (NW)	0	1	491545 385000
	Hazard Potential:	ng or Swelling Clay Ground Stability Hazards Very Low British Geological Survey, National Geoscience Information Service	E14NW (N)	0	1	492227 385000
	Hazard Potential:	ng or Swelling Clay Ground Stability Hazards Very Low British Geological Survey, National Geoscience Information Service	E13NW (NW)	0	1	491320 385000
	Hazard Potential: \	ng or Swelling Clay Ground Stability Hazards Very Low British Geological Survey, National Geoscience Information Service	E14NW (NW)	0	1	492010 384823
	Hazard Potential:	ng or Swelling Clay Ground Stability Hazards Very Low British Geological Survey, National Geoscience Information Service	E11SW (E)	0	1	492710 383945
	6	don Affected Areas  The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level).  British Geological Survey, National Geoscience Information Service	E10SE (NW)	0	1	492448 384023
	6	don Affected Areas  The property is in a Lower probability radon area (less than 1% of homes are setimated to be at or above the Action Level).  British Geological Survey, National Geoscience Information Service	E14NE (N)	0	1	492448 385001
	Protection Measure: N	don Protection Measures  No radon protective measures are necessary in the construction of new dwellings or extensions  British Geological Survey, National Geoscience Information Service	E10SE (NW)	0	1	492448 384023

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 21 of 30



### **Geological**

lap ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR	
	Radon Potential - R	adon Protection Measures					
	Protection Measure:	No radon protective measures are necessary in the construction of new dwellings or extensions	E14NE (N)	0	1	492448 385001	
	Source:	British Geological Survey, National Geoscience Information Service					

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 22 of 30



#### **Sensitive Land Use**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR	
	Nitrate Vulnerab	le Zones					
38	Name: Description: Source:	Lower Witham Nvz Surface Water Environment Agency, Head Office	E10SE (NW)	0	3	492448 384023	

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 23 of 30



Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Environment Agency - Head Office	June 2020	Annually
West Lindsey District Council - Environmental Health Department	September 2017	Annual Rolling Update
Discharge Consents		
Environment Agency - Anglian Region	July 2021	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 2021	Quarterly
Local Authority Integrated Pollution Prevention And Control		
West Lindsey District Council - Environmental Health Department	November 2014	Variable
Local Authority Pollution Prevention and Controls		
West Lindsey District Council - Environmental Health Department	November 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
West Lindsey District Council - Environmental Health Department	November 2014	Variable
Nearest Surface Water Feature		
Ordnance Survey	August 2021	
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	Gui, 2010	
Environment Agency - Anglian Region	March 2013	
	Water 2010	
Registered Radioactive Substances Environment Agency - Anglian Region	June 2016	Annually
	Julie 2010	Almually
River Quality Environment Agency - Head Office	November 2001	Not Applicable
	November 2001	TVOT Applicable
River Quality Biology Sampling Points	April 2012	Annually
Environment Agency - Head Office	April 2012	Annually
River Quality Chemistry Sampling Points	A = :1 0040	A
Environment Agency - Head Office	April 2012	Annually
Substantiated Pollution Incident Register		
Environment Agency - Anglian Region - Northern Area	July 2021	Quarterly
Water Abstractions		
Environment Agency - Anglian Region	July 2021	Quarterly
Water Industry Act Referrals		
Environment Agency - Anglian Region	October 2017	Quarterly
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	May 2021	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	September 2021	Quarterly
Flooding from Rivers or Sea without Defences	,	
Environment Agency - Head Office	September 2021	Quarterly

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 24 of 30



Agency & Hydrological	Version	Update Cycle
Areas Benefiting from Flood Defences		
Environment Agency - Head Office	September 2021	Quarterly
Flood Water Storage Areas		
Environment Agency - Head Office	September 2021	Quarterly
Flood Defences		
Environment Agency - Head Office	September 2021	Quarterly
OS Water Network Lines		
Ordnance Survey	July 2021	Quarterly
Surface Water 1 in 30 year Flood Extent		
Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent		
Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent		
Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability		
Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility		
British Geological Survey - National Geoscience Information Service	May 2013	Annually
Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	November 2002	Not Applicable
Historical Landfill Sites		
Environment Agency - Head Office	May 2021	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - Anglian Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - Anglian Region - Northern Area	July 2021	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - Anglian Region - Northern Area	July 2021	Quarterly
Local Authority Landfill Coverage		
Lincolnshire County Council	February 2003	Not Applicable
West Lindsey District Council - Environmental Health Department	February 2003	Not Applicable
Local Authority Recorded Landfill Sites		
Lincolnshire County Council	October 2018	
West Lindsey District Council - Environmental Health Department	October 2018	
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water)		
Landmark Information Group Limited	December 1999	
Registered Landfill Sites		
Environment Agency - Anglian Region - Northern Area	March 2006	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - Anglian Region - Northern Area	April 2018	
Registered Waste Treatment or Disposal Sites	·	
	June 2015	

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 25 of 30



Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)	4 110040	5: 4 "
Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS)	Water 2017	Annually
Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements		
Lincolnshire County Council - Highways and Planning Department	August 2010	Variable
West Lindsey District Council	February 2016	Variable
Planning Hazardous Substance Consents		
Lincolnshire County Council - Highways and Planning Department	August 2007	Variable
West Lindsey District Council	February 2016	Variable
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology		
British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	Annually
BGS Recorded Mineral Sites	Beddinsel 2010	7 timacily
British Geological Survey - National Geoscience Information Service	May 2021	Bi-Annually
CBSCB Compensation District	•	,
Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	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	N. 2045	N A II I.
British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	Annually
Potential for Compressible Ground Stability Hazards	April 2020	Ailidally
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards	,	,
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas	ll. 0044	A
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

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 26 of 30



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

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 27 of 30



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

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 28 of 30



### **Data Suppliers**

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	Map data
Environment Agency	Environment Agency
Scottish Environment Protection Agency	SEPA
The Coal Authority	The Coal Authority
British Geological Survey	British Geological Survey HATURAL ENVIRONMENT REMARCH COUNCIL
Centre for Ecology and Hydrology	Centre for Ecology & Hydrology
Natural Resources Wales	Cyloeth Naturiol Cyron Matural Resources Wales
Scottish Natural Heritage	SCOTTISH NATURAL HERITAGE (FACTO)
Natural England	ON AND
Public Health England	Public Health England
Ove Arup	ARUP
Stantec UK Ltd	<b>Stantec</b>

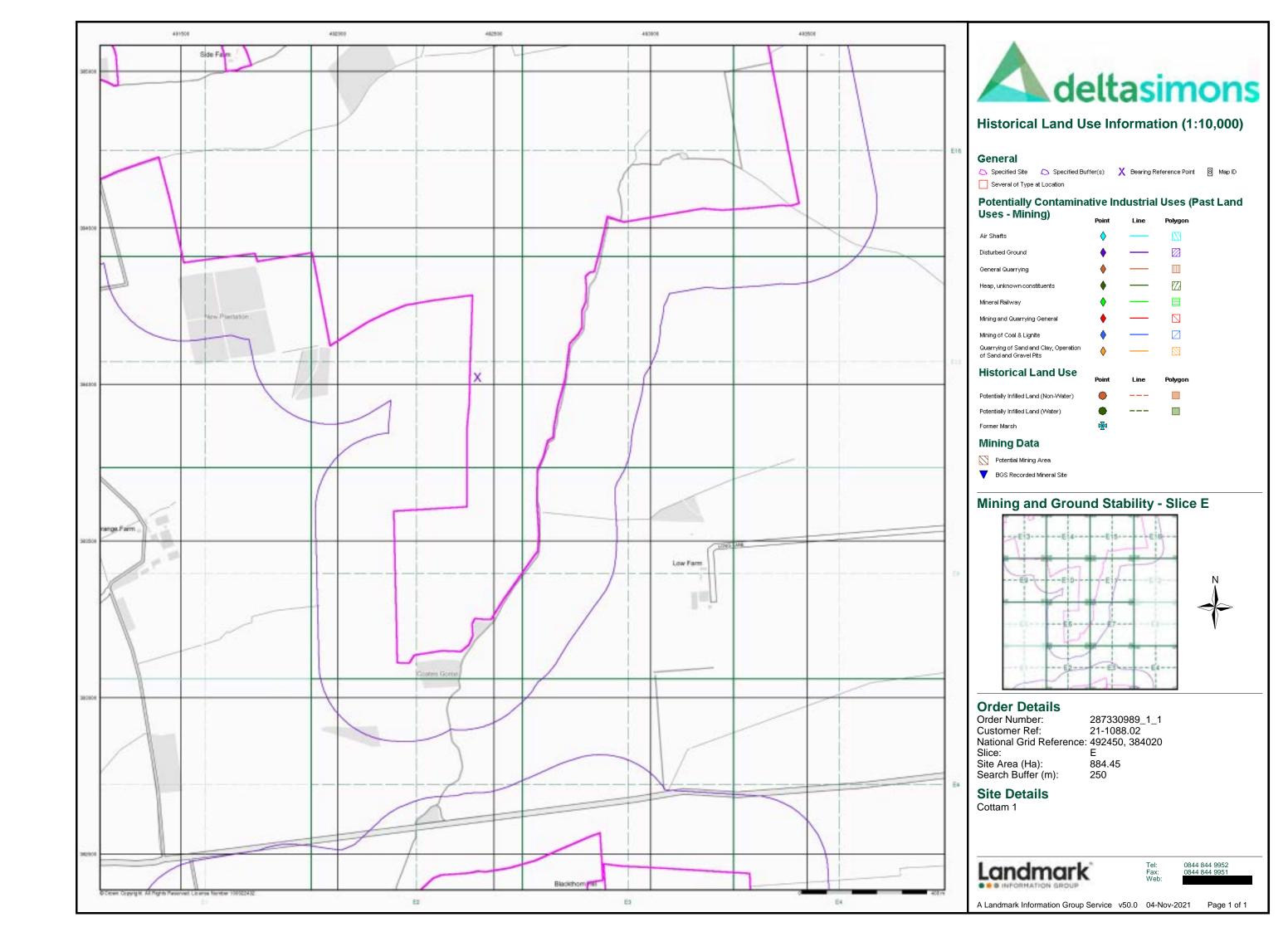


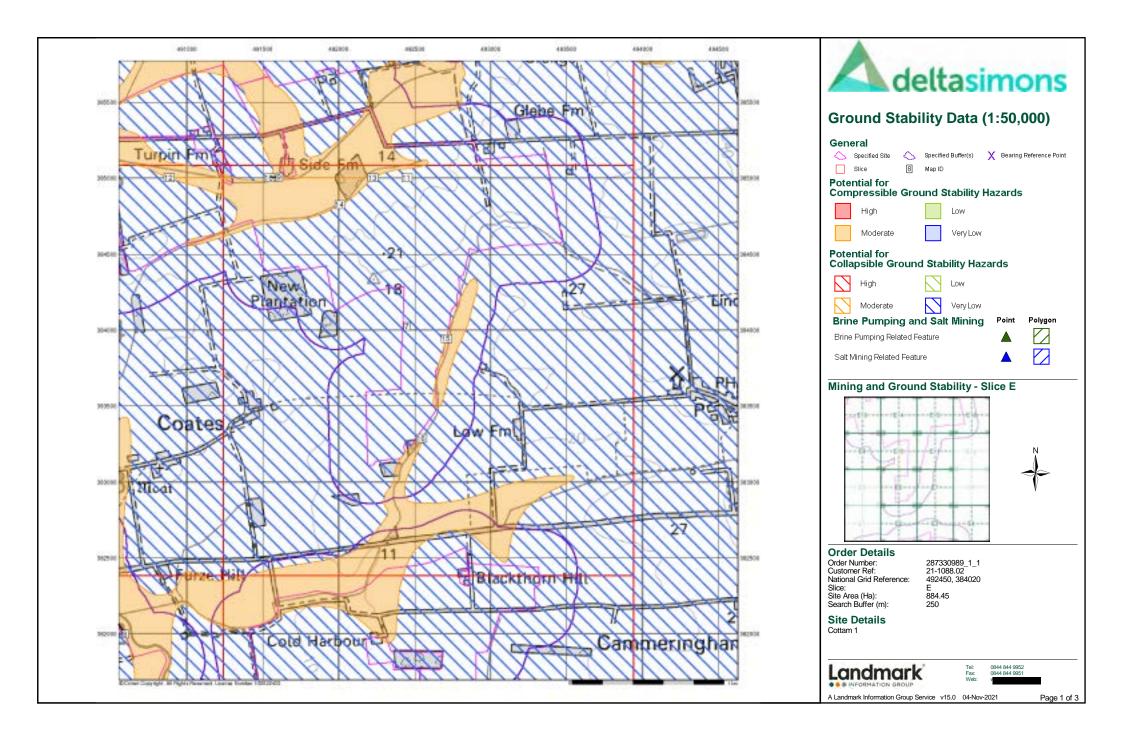
#### **Useful Contacts**

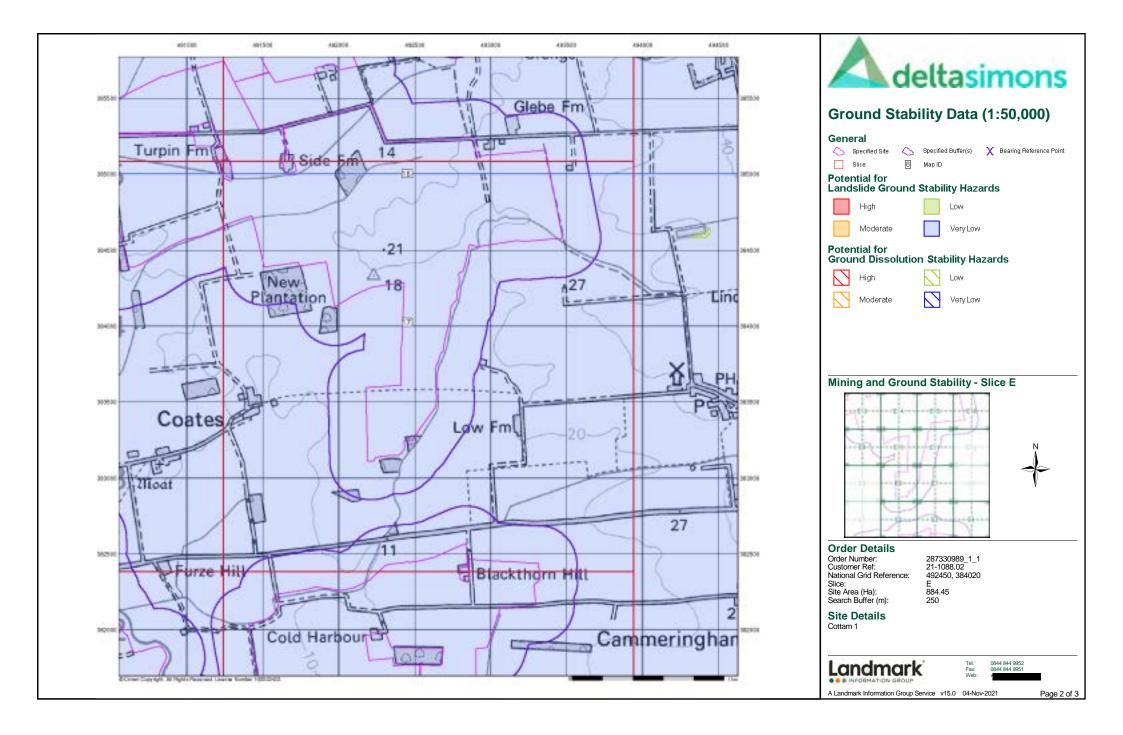
Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service  British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website:
2	Environment Agency - National 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	West Lindsey District Council - Environmental Health Department The Guildhall, Caskgate Street, Gainsborough, Lincolnshire, DN21 2DH	Telephone: 01427 676676 Fax: 01427 810623 Website: www.west-lindsey.gov.uk
6	Lincolnshire County Council 4th Floor, City Hall, Lincoln, Lincolnshire, LN1 1DN	Telephone: 01522 552222 Fax: 01522 552288 Email: PublicRelations@lincolnshire.gov.uk Website: www.lincolnshire.gov.uk
7	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website:
-	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:
-	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:

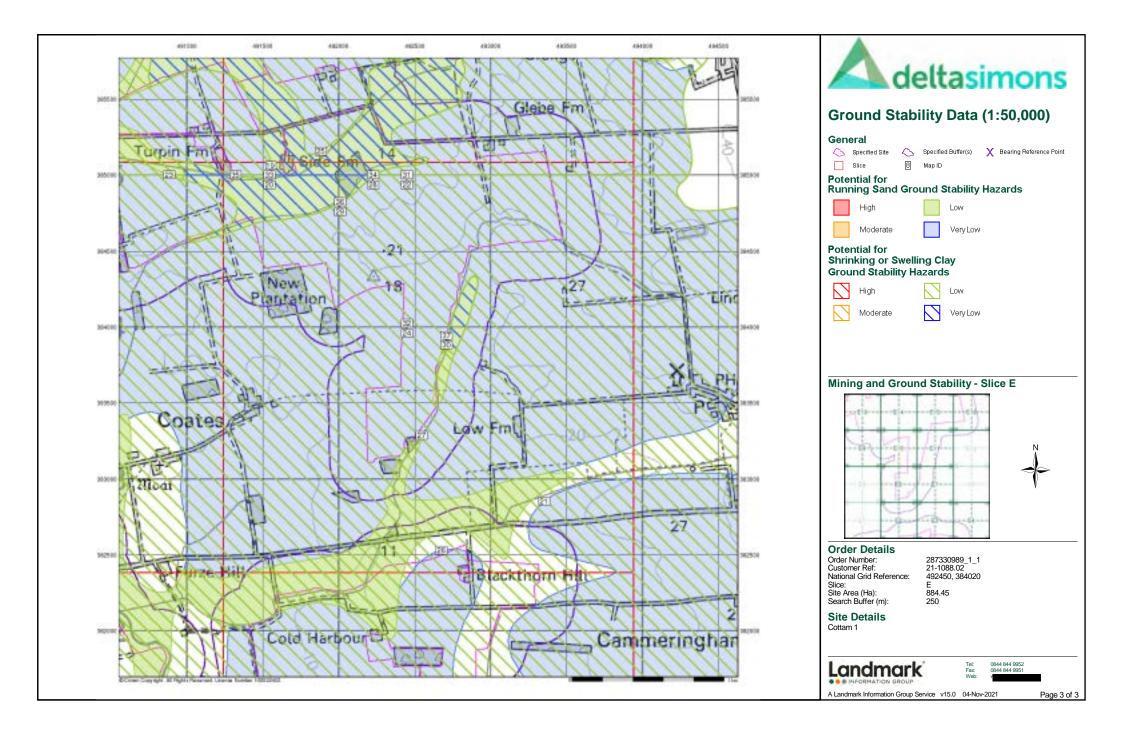
Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 30 of 30











#### **Envirocheck® Report:**

# Mining and Ground Stability Datasheet

#### **Order Details:**

**Order Number:** 

287330989\_1\_1

**Customer Reference:** 

21-1088.02

**National Grid Reference:** 

492450, 384020

Slice:

F

Site Area (Ha):

884.45

Search Buffer (m):

250

#### **Site Details:**

Cottam 1

#### **Client Details:**

Mr A Howells
Delta Simons
3 Henley Office Park
Doddington Road
Lincoln
LN6 3QR







Report Section and Details	Page Number
Summary	-

The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected.

For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).

#### **Mining and Natural Cavities Data**

-

The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities.

Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.

#### Historical Land Use Information (1:2,500)

1

The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative.

For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.

#### **Historical Land Use Information (1:10,000)**

-

The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses.

For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.

#### Ground Stability Data (1:50,000)

2

The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.

Historical Map List	5

The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.

Data Currency	7
Data Suppliers	8
Useful Contacts	9

#### Copyright Notice

© Landmark Information Group Limited 2021. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, and the Environment Agency/Natural Resources Wales, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer. A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report.

© Copyright Stantec UK Limited. All rights reserved.

The brine subsidence data relating to the Driotwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

Report Version v53.0





Data Type	Page Number	On Site	0 to 250m
Mining and Natural Cavities Data			
BGS Recorded Mineral Sites			
Coal Mining Affected Areas			n/a
Man Made Mining Cavities			
Mining Instability			n/a
Natural Cavities			
Non Coal Mining Areas of Great Britain			
Potential Mining Areas			
Historical Land Use Information (1:2,500)			
Extractive Industries or Potential Excavations from 1855-1909 (100m)			
Extractive Industries or Potential Excavations from 1893-1915 (100m)			
Extractive Industries or Potential Excavations from 1906-1937 (100m)			
Extractive Industries or Potential Excavations from 1924-1949 (100m)			
Extractive Industries or Potential Excavations from 1950-1980 (100m)	pg 1	3	3
Subterranean Features (100m)			
Historical Land Use Information (1:10,000)			
Air Shafts			
Disturbed Ground			
General Quarrying			
Heap, unknown constituents			
Mineral Railway			
Mining & quarrying general			
Mining of coal & lignite			
Quarrying of sand & clay, operation of sand & gravel pits			
Former Marshes			
Potentially Infilled Land (Non-Water)			
Potentially Infilled Land (Water)			
Ground Stability Data (1:50,000)			
CBSCB Compensation District			n/a
Brine Pumping Related Features			
Brine Subsidence Solution Area			
Potential for Collapsible Ground Stability Hazards	pg 2	Yes	
Potential for Compressible Ground Stability Hazards	pg 2	Yes	
Potential for Ground Dissolution Stability Hazards	pg 3	Yes	
Potential for Landslide Ground Stability Hazards	pg 3	Yes	
Potential for Running Sand Ground Stability Hazards	pg 3	Yes	Yes
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 4	Yes	
Salt Mining Related Features			





Report Version v53.0



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Extractive Industries or Potential Excavations from 1950-1980  Use: Pond First Map Published 1974  Date:  Last Map Published N/A  Date:	E13NW (NW)	0	-	491570 384755
2	Extractive Industries or Potential Excavations from 1950-1980  Use: Pond First Map Published 1974  Date:  Last Map Published N/A  Date:	E15SE (NE)	0	-	493234 384706
3	Extractive Industries or Potential Excavations from 1950-1980  Use: Pond First Map Published 1974  Date: N/A  Date:	E16SW (NE)	0	-	493382 384632
4	Extractive Industries or Potential Excavations from 1950-1980  Use: Pond First Map Published 1974  Date:  Last Map Published N/A  Date:	E16SW (NE)	6	-	493446 384565
5	Extractive Industries or Potential Excavations from 1950-1980  Use: Pond First Map Published 1974  Date:  Last Map Published N/A  Date:	E11NW (NE)	7	-	492799 384331
6	Extractive Industries or Potential Excavations from 1950-1980  Use: Pond First Map Published 1974  Date:  Last Map Published N/A  Date:	E10NW (W)	21	-	491969 384102

Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Order Number: 287330989\_1\_1 Page 1 of 9



# **Ground Stability Data (1:50,000)**

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District				
	The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area				
	The site does not fall within the brine subsidence solution area.				
7	Potential for Collapsible Ground Stability Hazards  Hazard Potential: Very Low	E10SE	0	1	402449
,	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(NW)	0	ı	492448 384023
	Potential for Collapsible Ground Stability Hazards				
8	Hazard Potential: Very Low	(SW)	0	1	490271
	Source: British Geological Survey, National Geoscience Information Service				382644
9	Potential for Collapsible Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E13NW (NW)	0	1	491554 385006
	Potential for Collapsible Ground Stability Hazards				
10	Hazard Potential: Very Low Source: Very Low British Geological Survey, National Geoscience Information Service	E13NW (NW)	0	1	491545 385000
	Potential for Collapsible Ground Stability Hazards				
11	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E14NE (N)	0	1	492448 385000
12	Potential for Collapsible Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(NW)	0	1	490883 385000
	Potential for Collapsible Ground Stability Hazards				
	Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E6SE (S)	0	1	492545 383288
	Potential for Collapsible Ground Stability Hazards  Hazard Potential: No Hazard	E14NW	0	1	492227
	Source: British Geological Survey, National Geoscience Information Service	(N)			385000
	Potential for Collapsible Ground Stability Hazards  Hazard Potential: No Hazard  Source: British Geological Survey, National Geoscience Information Service	E14NW (NW)	0	1	492010 384823
	Potential for Collapsible Ground Stability Hazards				
	Hazard Potential: No Hazard Source: No Hazard British Geological Survey, National Geoscience Information Service	E11SW (E)	0	1	492710 383945
13	Potential for Compressible Ground Stability Hazards  Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	E14NW (N)	0	1	492227 385000
14	Potential for Compressible Ground Stability Hazards  Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	E14NW (NW)	0	1	492010 384823
	Potential for Compressible Ground Stability Hazards	(1444)			004020
15	Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	E11SW (E)	0	1	492710 383945
16	Potential for Compressible Ground Stability Hazards  Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	E6SE (S)	0	1	492545 383288
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard	E10SE	0	1	492448
	Source: British Geological Survey, National Geoscience Information Service	(NW)		·	384023
	Potential for Compressible Ground Stability Hazards				
	Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(SW)	0	1	490271 382644
	Potential for Compressible Ground Stability Hazards				302044
	Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E13NW (NW)	0	1	491554 385006
	Potential for Compressible Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E13NW (NW)	0	1	491545 385000
	Potential for Compressible Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E14NE (N)	0	1	492448 385000



# **Ground Stability Data (1:50,000)**

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Compressible Ground Stability Hazards				
	Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(NW)	0	1	490883 385000
	Potential for Ground Dissolution Stability Hazards				000000
	Hazard Potential: No Hazard	E14NE	0	1	492448
	Source: British Geological Survey, National Geoscience Information Service	(N)			385000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard	E10SE	0	1	492448
	Source: British Geological Survey, National Geoscience Information Service	(NW)	0	'	384023
	Potential for Landslide Ground Stability Hazards				
17	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E10SE (NW)	0	1	492448 384023
	Potential for Landslide Ground Stability Hazards	(****)			
18	Hazard Potential: Very Low	E14NE	0	1	492448
	Source: British Geological Survey, National Geoscience Information Service	(N)			385000
19	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low	E13NW	0	1	491554
13	Source: British Geological Survey, National Geoscience Information Service	(NW)	0		385006
	Potential for Running Sand Ground Stability Hazards				
20	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E13NW (NW)	0	1	491545 385000
	Potential for Running Sand Ground Stability Hazards	(****)			33333
21	Hazard Potential: Very Low	E4NW	0	1	493351
	Source: British Geological Survey, National Geoscience Information Service	(SE)			382852
22	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low	E14NE	0	1	492448
22	Source: British Geological Survey, National Geoscience Information Service	(N)	U	1	385000
	Potential for Running Sand Ground Stability Hazards				
23	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(NW)	0	1	490883 385000
	Potential for Running Sand Ground Stability Hazards				383000
24	Hazard Potential: Very Low	E10SE	0	1	492448
	Source: British Geological Survey, National Geoscience Information Service	(NW)			384023
0.5	Potential for Running Sand Ground Stability Hazards	(2.024)			40400
25	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(NW)	0	1	491882 385157
	Potential for Running Sand Ground Stability Hazards				
26	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E3SW	0	1	492674
	Potential for Running Sand Ground Stability Hazards	(S)			382532
27	Hazard Potential: Low	E6SE	0	1	492545
	Source: British Geological Survey, National Geoscience Information Service	(S)			383288
00	Potential for Running Sand Ground Stability Hazards	_,			
28	Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	E14NW (N)	0	1	492227 385000
	Potential for Running Sand Ground Stability Hazards				
29	Hazard Potential: Low	E14NW	0	1	492010
	Source: British Geological Survey, National Geoscience Information Service	(NW)			384823
30	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low	E11SW	0	1	492710
	Source: British Geological Survey, National Geoscience Information Service	(E)	Ů	•	383945
	Potential for Running Sand Ground Stability Hazards				
	Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E4NW (SE)	0	1	493376 383039
	Potential for Running Sand Ground Stability Hazards	(/			
	Hazard Potential: No Hazard	(SW)	0	1	490271
	Source: British Geological Survey, National Geoscience Information Service				382644
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard	(SW)	0	1	491313
	Source: British Geological Survey, National Geoscience Information Service	(300)	0	ı	382033
	Potential for Running Sand Ground Stability Hazards				
	Hazard Potential: No Hazard	(SW)	216	1	490924 383303



# **Ground Stability Data (1:50,000)**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrin	king or Swelling Clay Ground Stability Hazards				
31	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	E14NE (N)	0	1	492448 385000
	Potential for Shrin	king or Swelling Clay Ground Stability Hazards				
32	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	E10SE (NW)	0	1	492448 384023
	Potential for Shrin	king or Swelling Clay Ground Stability Hazards				
33	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	E13NW (NW)	0	1	491545 385000
	Potential for Shrin	king or Swelling Clay Ground Stability Hazards				
34	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	E14NW (N)	0	1	492227 385000
	Potential for Shrin	king or Swelling Clay Ground Stability Hazards				
35	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	E13NW (NW)	0	1	491320 385000
	Potential for Shrin	king or Swelling Clay Ground Stability Hazards				
36	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	E14NW (NW)	0	1	492010 384823
	Potential for Shrin	king or Swelling Clay Ground Stability Hazards				
37	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	E11SW (E)	0	1	492710 383945



## **Historical Map List**

### The following mapping has been analysed for Historical Land Use Information (1:2,500):

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	SK9182	1974
Ordnance Survey Plan	SK9183	1974
Ordnance Survey Plan	SK9183	1974
Ordnance Survey Plan	SK9183	1974
Ordnance Survey Plan	SK9183	1974
Ordnance Survey Plan	SK9184	1974
Ordnance Survey Plan	SK9184	1974
Ordnance Survey Plan	SK9184	1974
Ordnance Survey Plan	SK9184	1974
Ordnance Survey Plan	SK9185	1974
Ordnance Survey Plan	SK9185	1974
Ordnance Survey Plan	SK9282	1974
Ordnance Survey Plan	SK9282	1974
Ordnance Survey Plan	SK9283	1974
Ordnance Survey Plan	SK9283	1974
Ordnance Survey Plan	SK9283	1974
Ordnance Survey Plan	SK9283	1974
Ordnance Survey Plan	SK9283	1974
Ordnance Survey Plan	SK9283	1974
Ordnance Survey Plan	SK9284	1974
Ordnance Survey Plan	SK9284	1974
Ordnance Survey Plan	SK9284	1974
Ordnance Survey Plan	SK9284	1974
Ordnance Survey Plan	SK9285	1974
Ordnance Survey Plan	SK9285	1974
Ordnance Survey Plan	SK9382	1974
Ordnance Survey Plan	SK9382	1974
Ordnance Survey Plan	SK9383	1974
Ordnance Survey Plan	SK9383	1974
Ordnance Survey Plan	SK9383	1974
Ordnance Survey Plan	SK9383	1974
Ordnance Survey Plan	SK9384	1974
Ordnance Survey Plan	SK9384	1974
Ordnance Survey Plan	SK9384	1974
Ordnance Survey Plan	SK9385	1974
Ordnance Survey Plan	SK9385	1974



## **Historical Map List**

### The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Lincolnshire	051_SE	1890
Lincolnshire	051_NE	1891
Lincolnshire	052_NW	1891
Lincolnshire	052_SW	1891
Lincolnshire	051_NE	1907
Lincolnshire	051_SE	1907
Lincolnshire	052_NW	1907
Lincolnshire	052_SW	1907
Lincolnshire	051_NE	1947
Lincolnshire	051_SE	1947
Lincolnshire	052_NW	1947
Lincolnshire	052_SW	1948
Ordnance Survey Plan	SK98NW	1956
Ordnance Survey Plan	SK98SW	1956
1:10,000	Mapsheet	Published Date
Ordnance Survey Plan	SK98NW	1979
Ordnance Survey Plan	SK98SW	1979



## **Data Currency**

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites		
British Geological Survey - National Geoscience Information Service	May 2021	Bi-Annually
Coal Mining Affected Areas		
The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Man Made Mining Cavities		
Stantec UK Ltd	May 2021	Bi-Annually
Mining Instability		
Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities		
Stantec UK Ltd	May 2021	Bi-Annually
Non Coal Mining Areas of Great Britain		
British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	Version	Update Cycle
Subterranean Features		
Landmark Information Group Limited	February 2020	Bi-Annually
Ground Stability Data (1:50,000)	Version	Update Cycle
CBSCB Compensation District		
Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	As notified
Potential for Collapsible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	April 2020	Annually
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Brine Subsidence Solution Area Johnson Poole & Bloomer		
	December 2020	Annual Rolling Update



## **Data Suppliers**

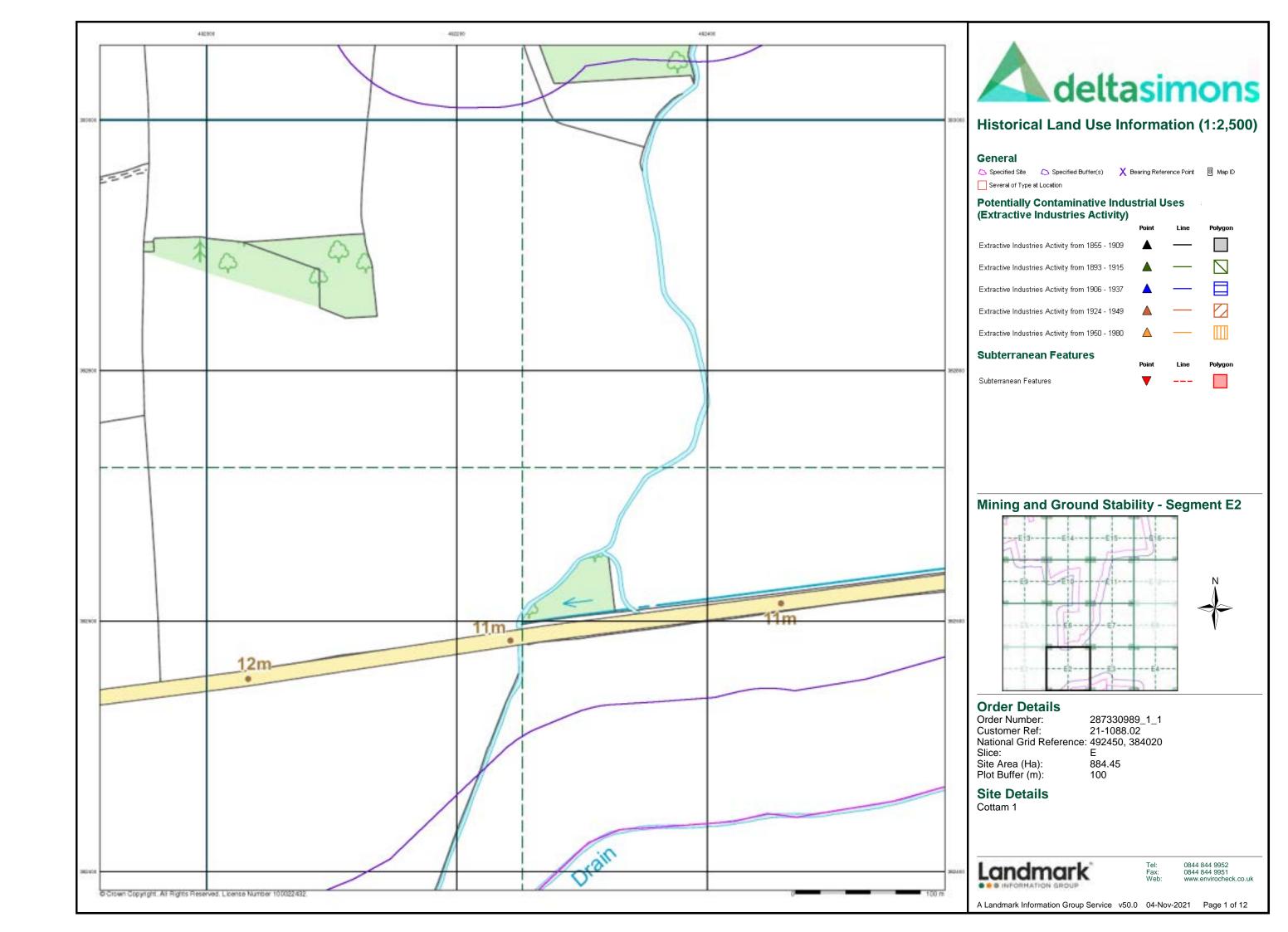
A selection of organisations who provide data within this report

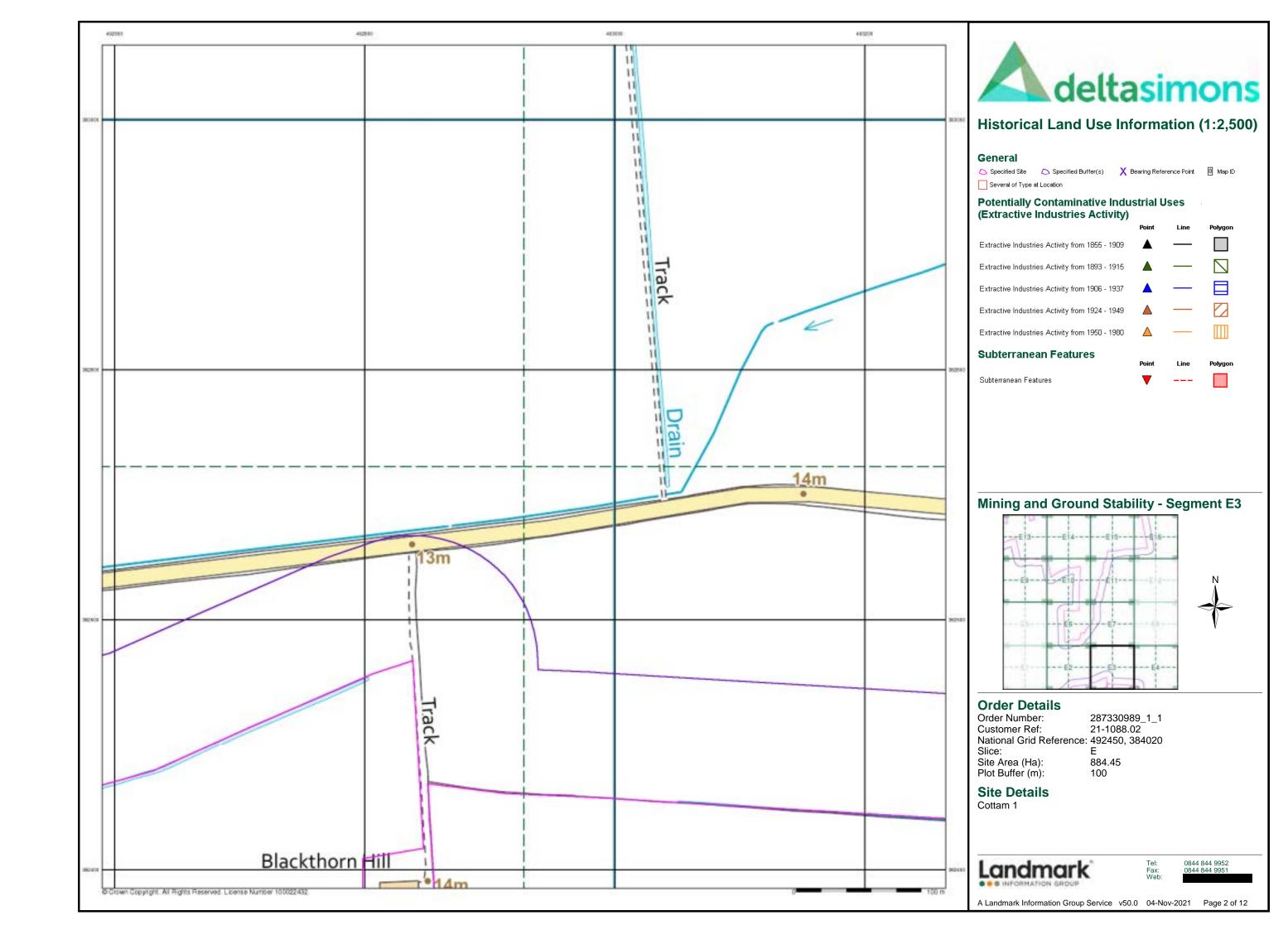
Data Supplier	Data Supplier Logo
Ordnance Survey	Map data
British Geological Survey	British Geological Survey
The Coal Authority	The Coal Authority
Ove Arup	ARUP
Stantec UK Ltd	<b>Stantec</b>
Wardell Armstrong	your yearth our world
Johnson Poole & Bloomer	JPB

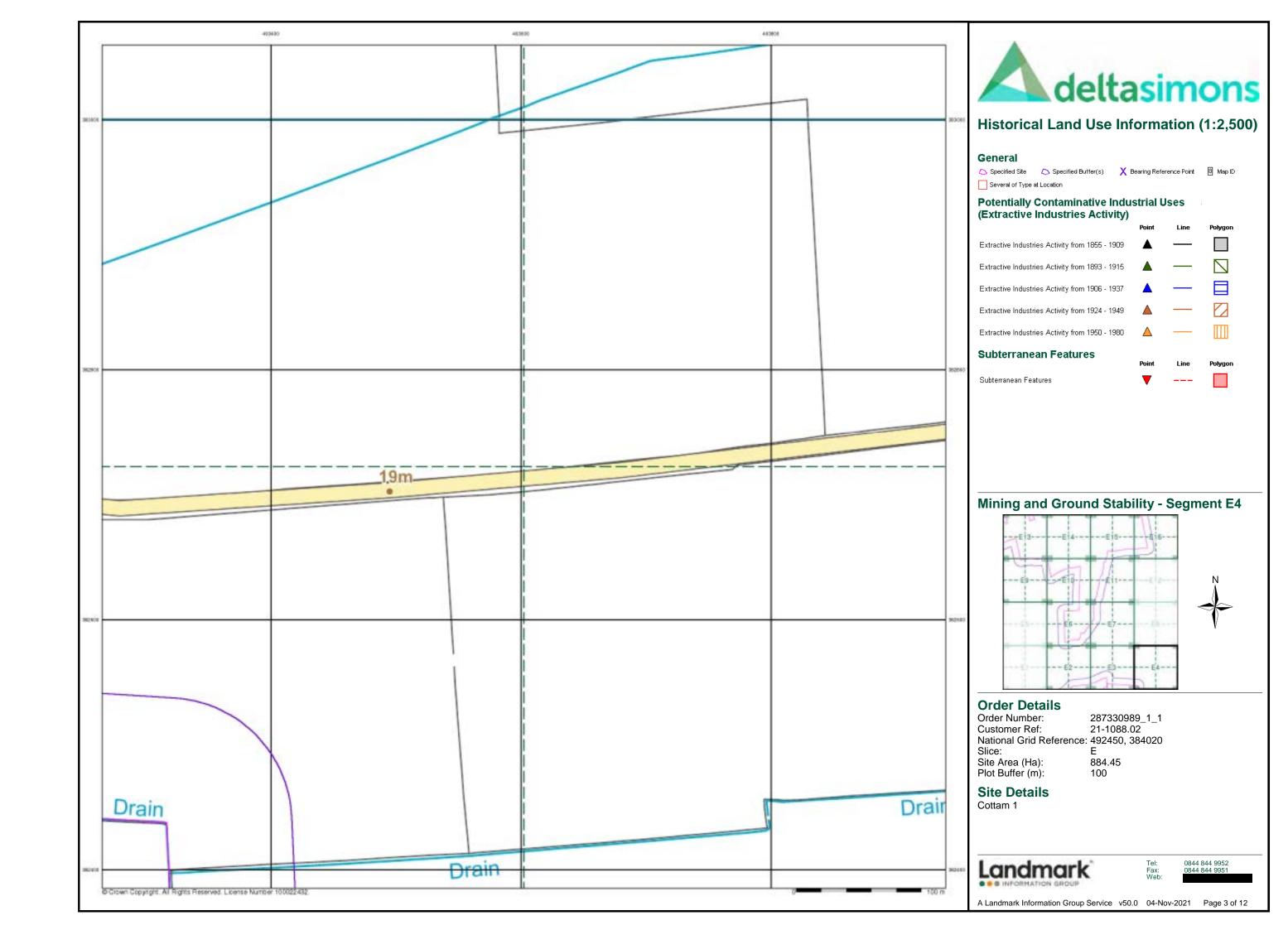


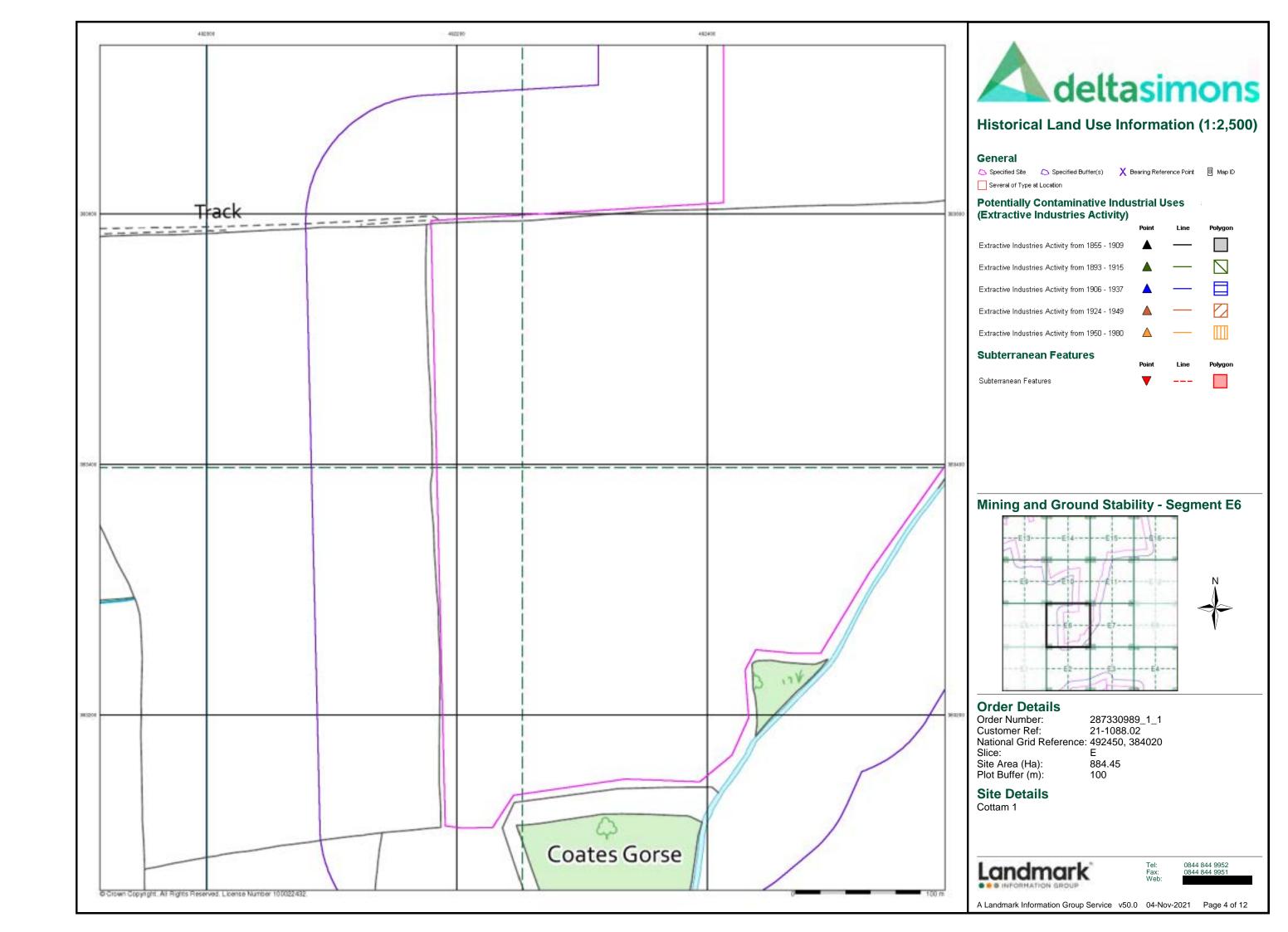
### **Useful Contacts**

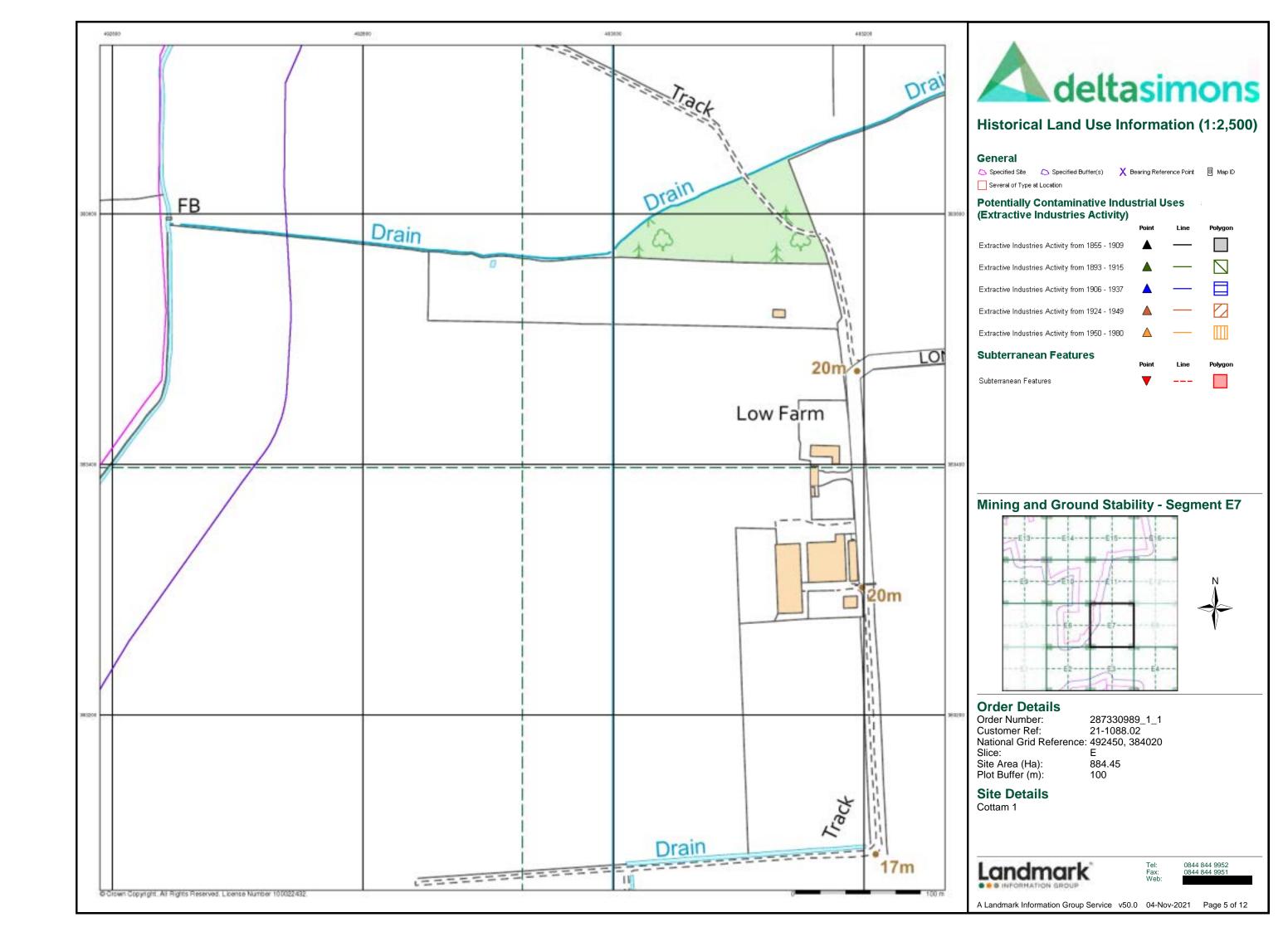
Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service  British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website:
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website:

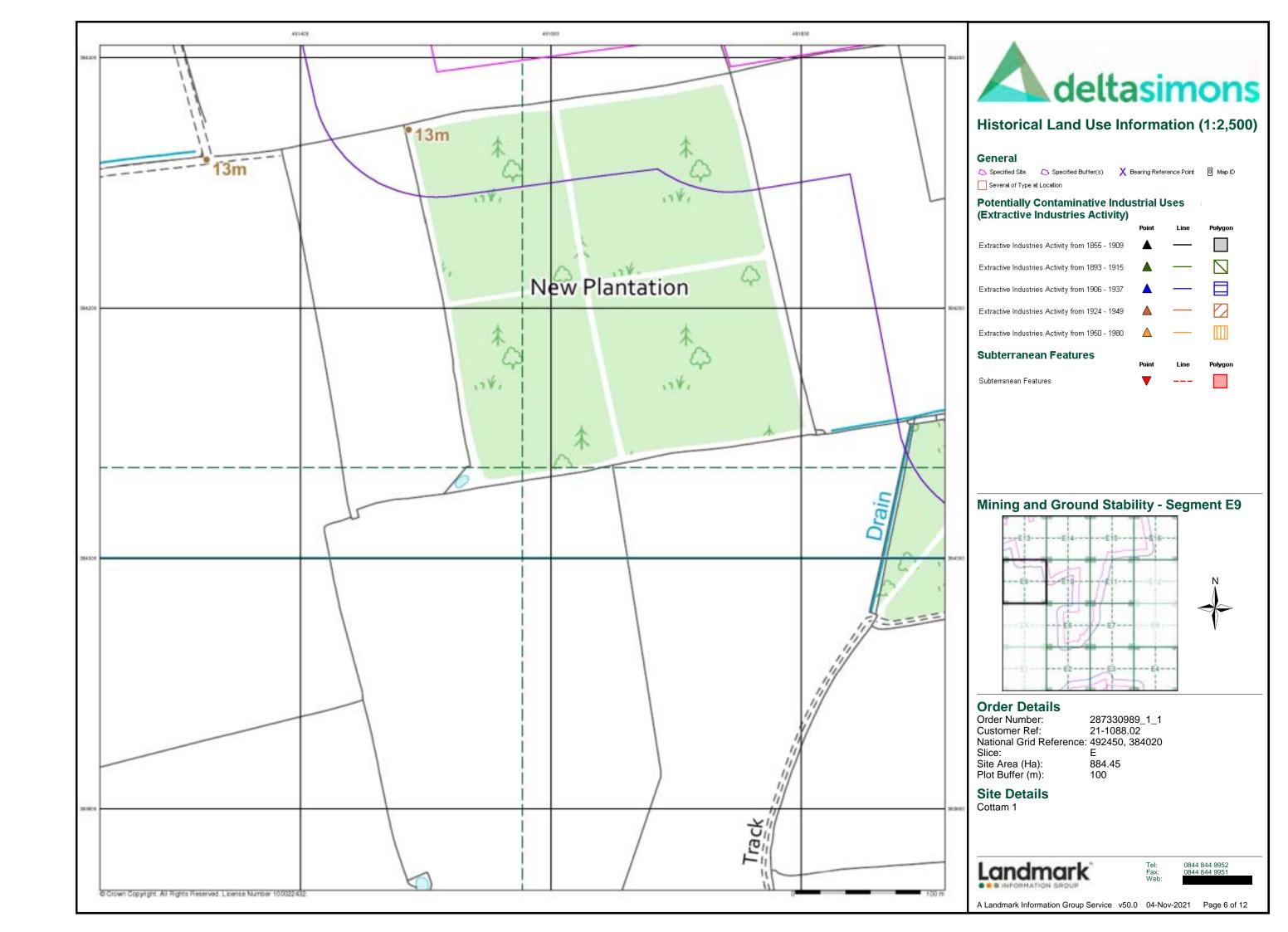


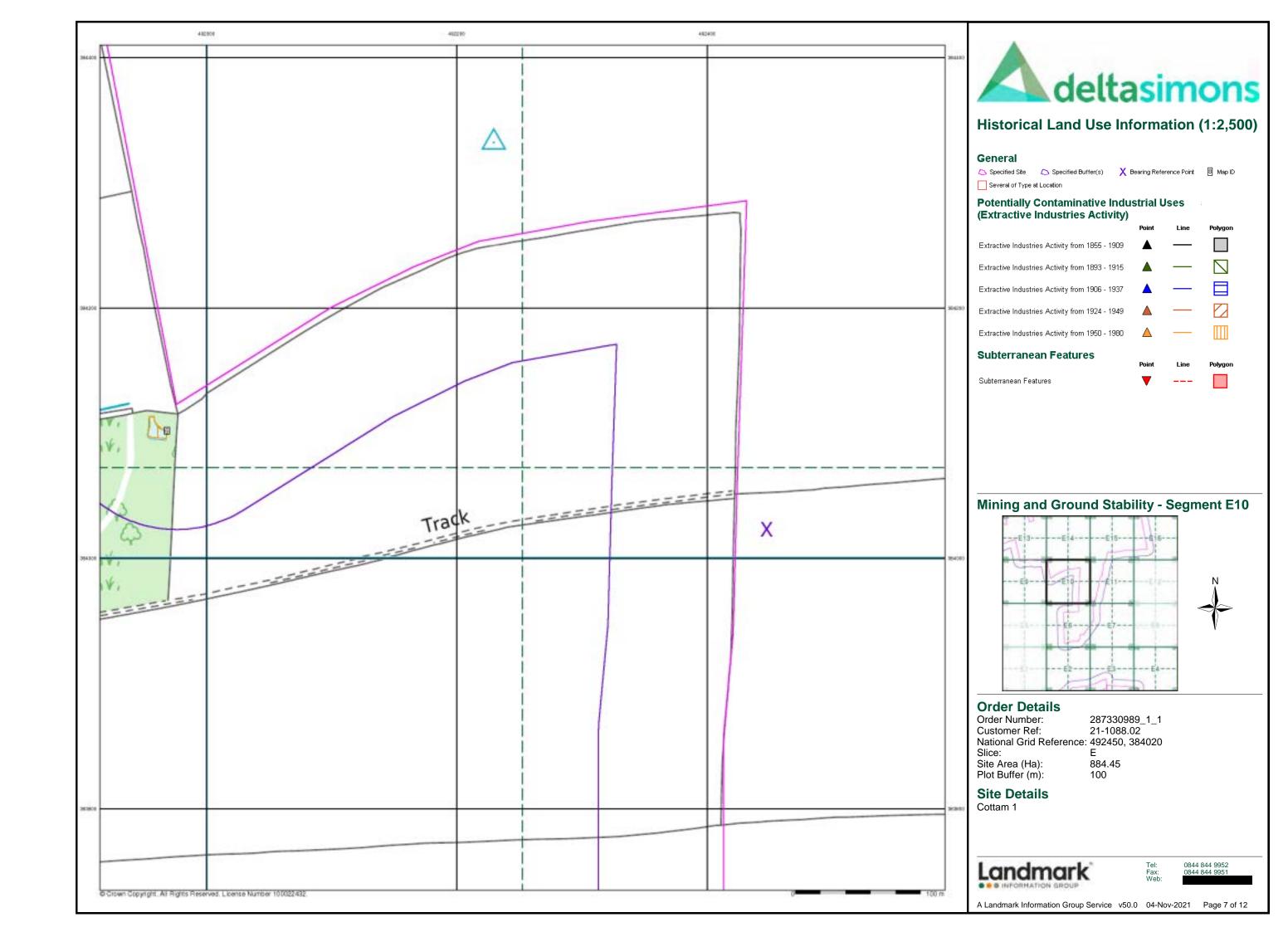


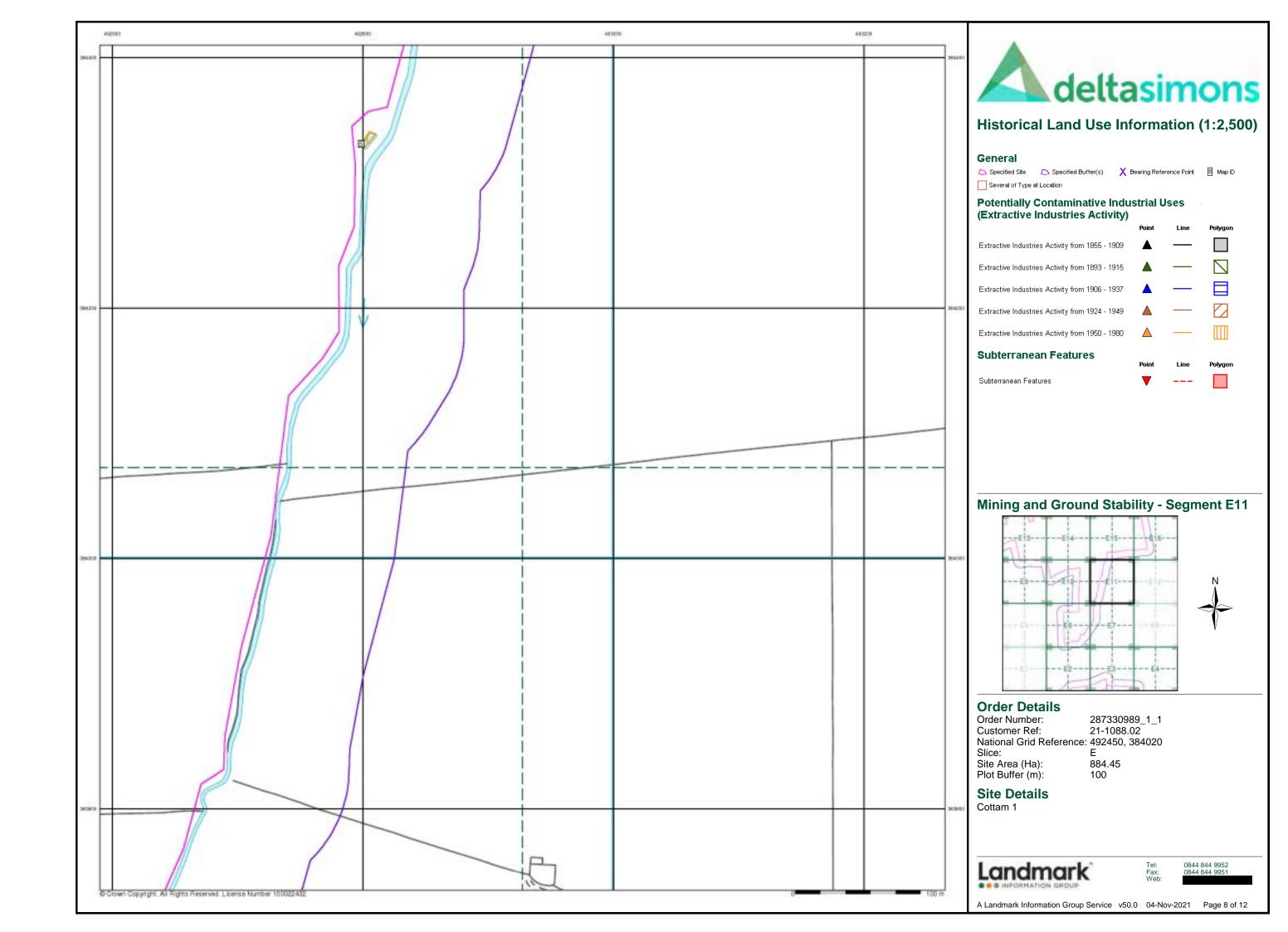


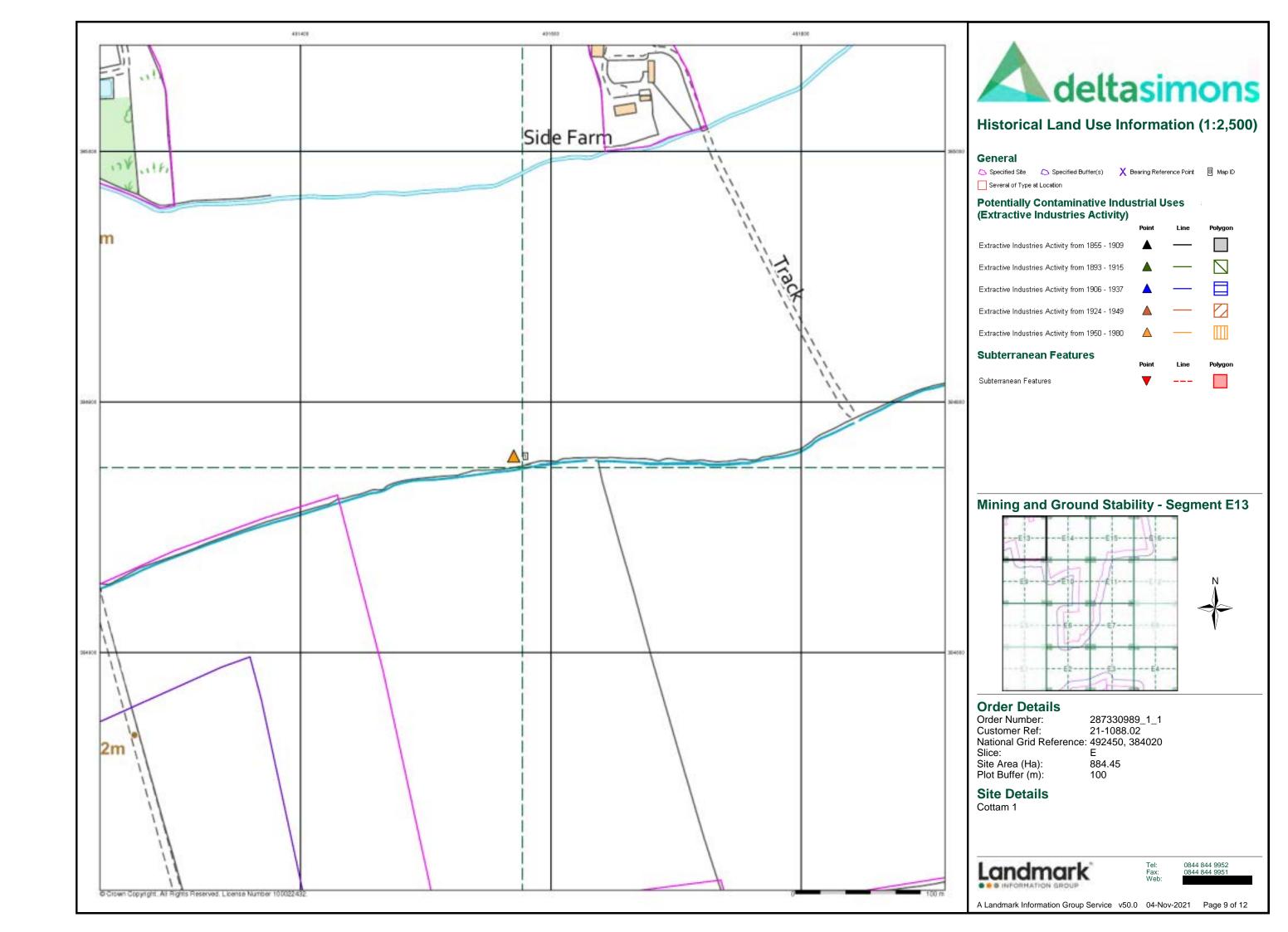


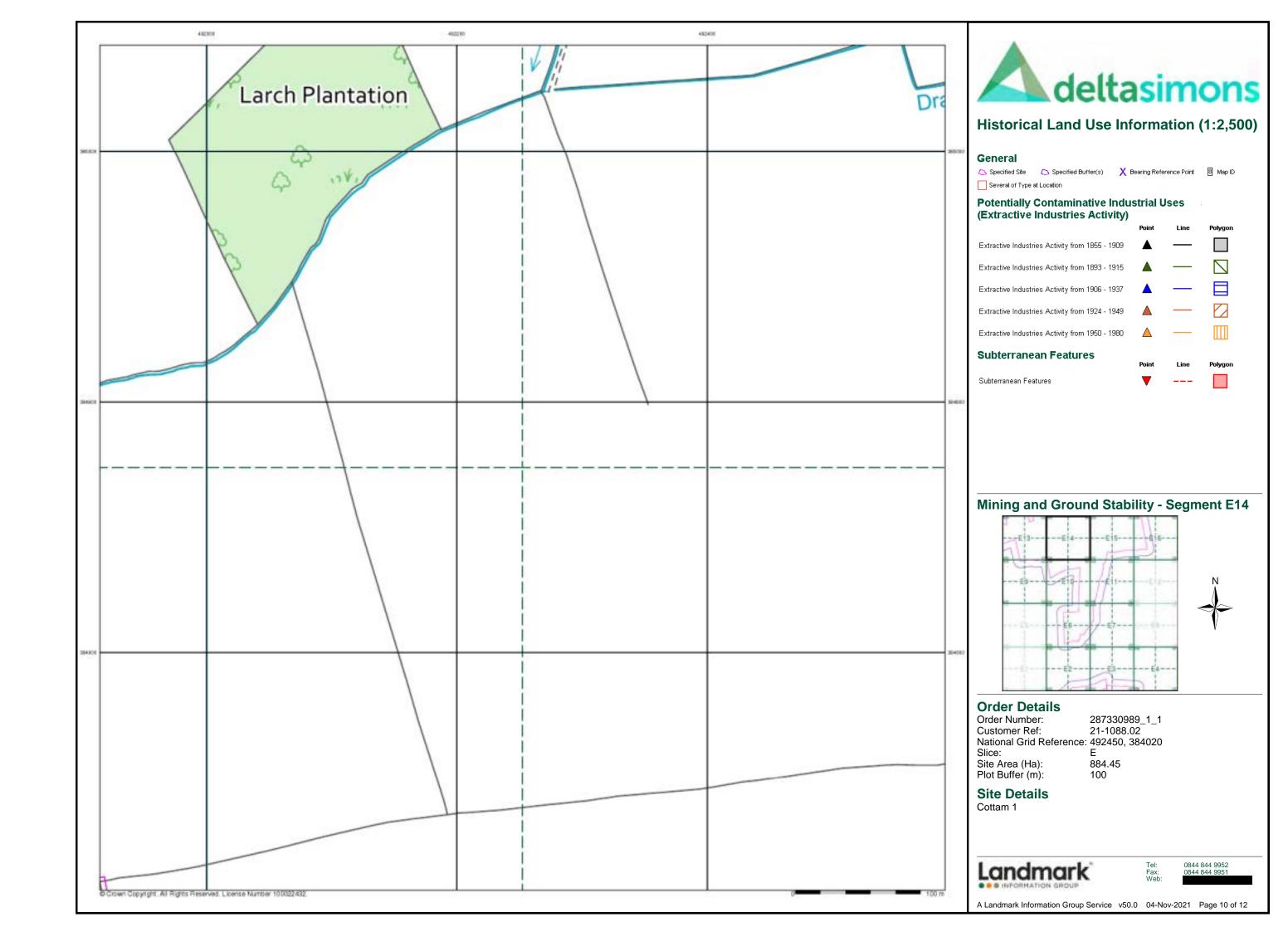


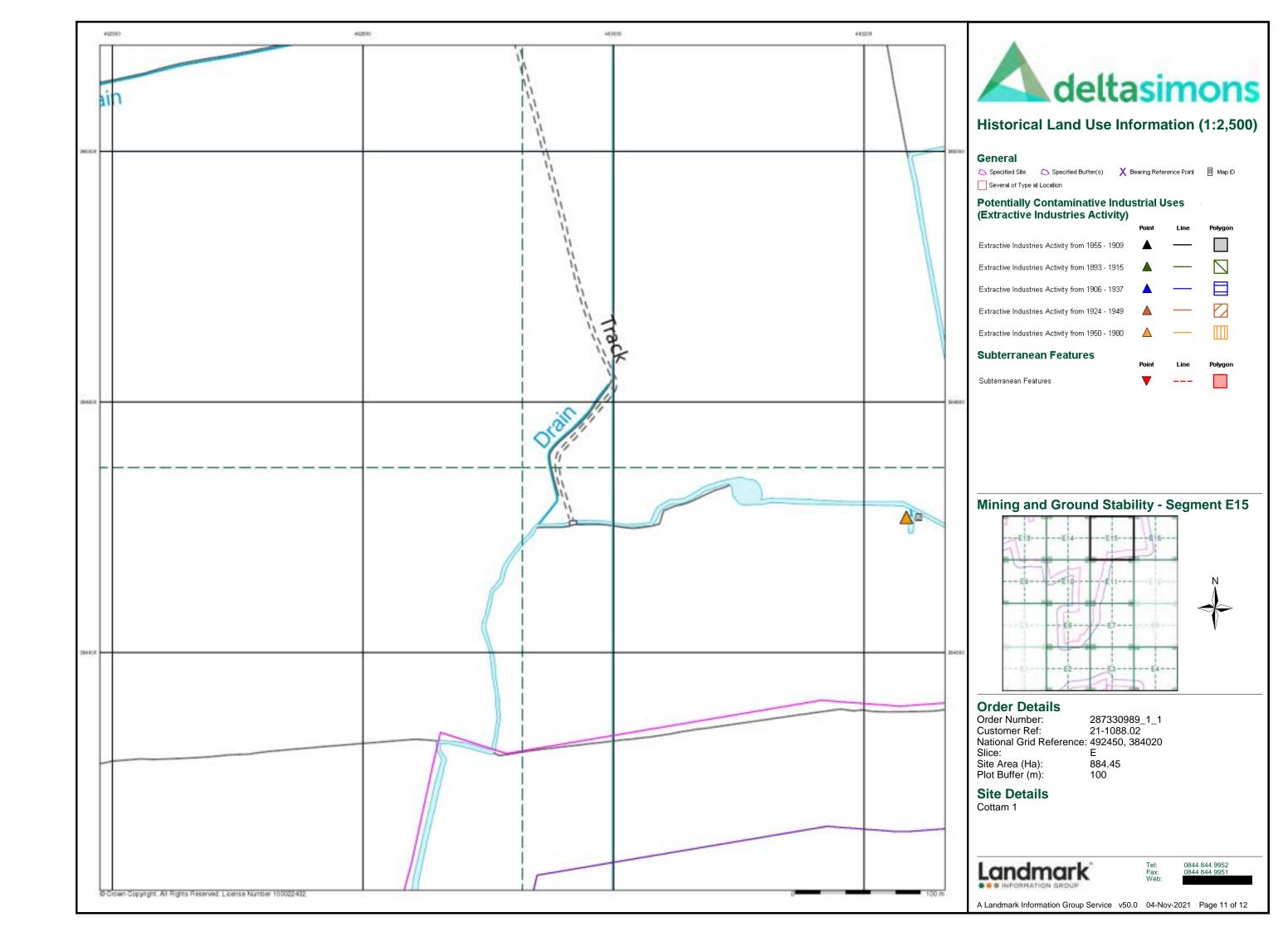


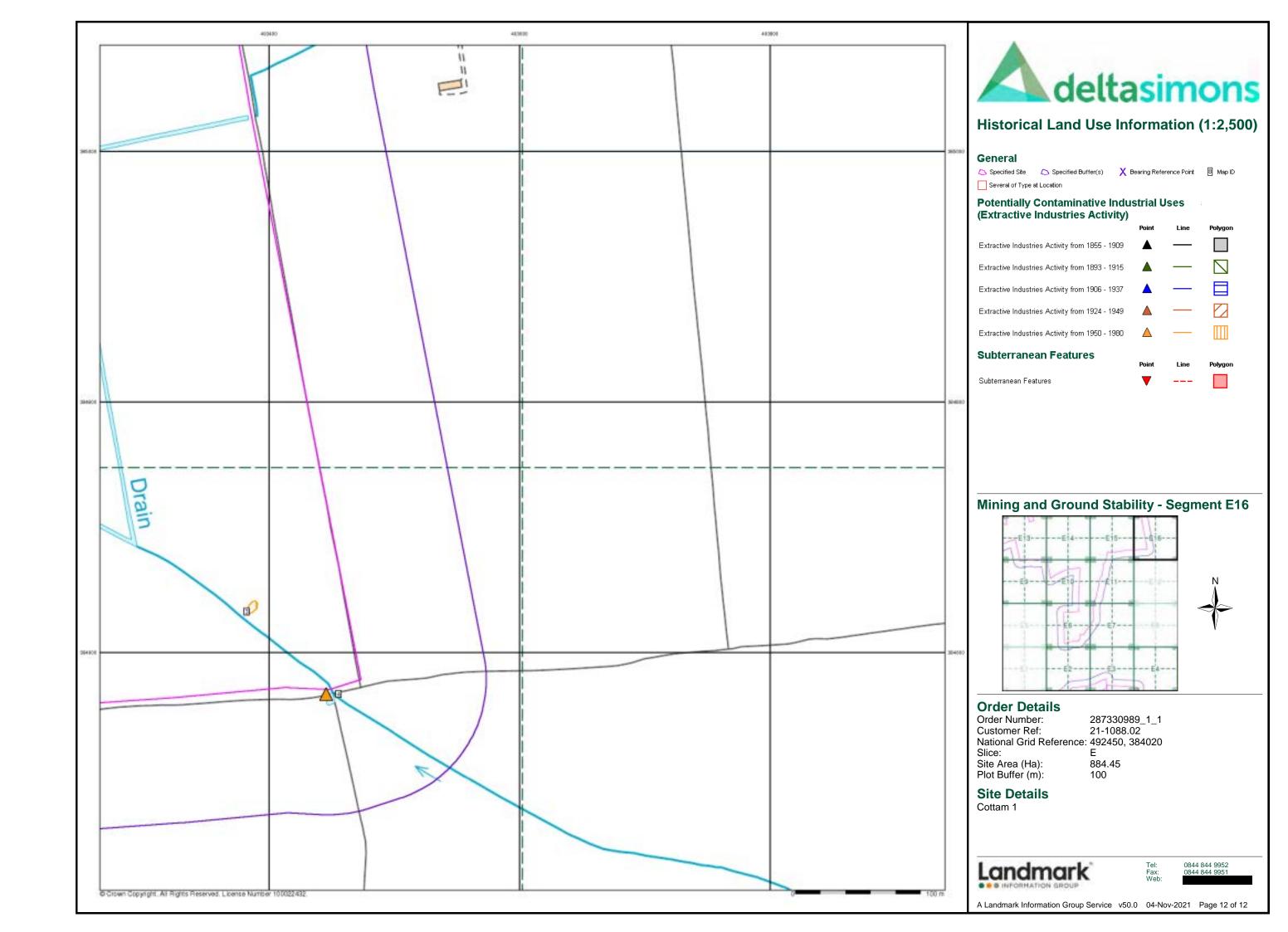












### **Geology 1:50,000 Maps Legends**

#### **Superficial Geology**

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	TILMP	Till, Mid Pleistocene	Diamicton	Not Supplied - Cromerian

#### **Bedrock and Faults**

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	MRB	Marlstone Rock Formation	Ferruginous Limestone and Ferruginous Sandstone	Not Supplied - Pliensbachian
	CHAM	Charmouth Mudstone Formation	Mudstone	Not Supplied - Sinemurian



#### Geology 1:50,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslip deposits, superficial

The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

#### Geology 1:50,000 Maps Coverage

 Map ID:
 1

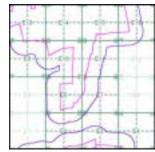
 Map Sheet No:
 102

 Map Name:
 Market Rasen

 Map Date:
 1999

Map Date: 1999
Bedrock Geology: Available
Superficial Geology: Available
Artificial Geology: Not Available
Faults: Not Supplied
Landslip: Not Available
Rock Segments: Not Supplied
Not Supplied

#### Geology 1:50,000 Maps - Slice E





#### Order Details:

Order Number: Customer Reference: National Grid Reference: Slice:

 Slice:
 E

 Site Area (Ha):
 884.45

 Search Buffer (m):
 250

Site Details:

Cottam 1

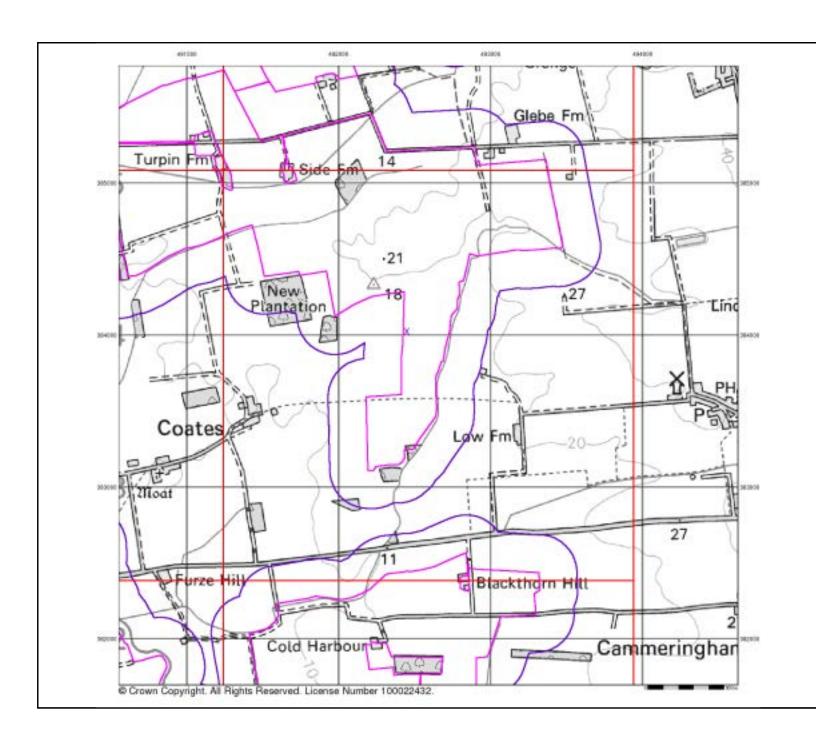


Tel: Fax: Web:

287330989\_1\_1 21-1088.02

492450, 384020

0844 844 9952 0844 844 9951





#### **Artificial Ground and Landslip**

Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground man-made deposits such as embankments and spoil heaps on the natural ground surface.

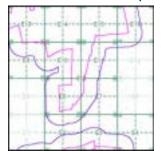
  - Worked ground - areas where the ground has been cut away such as
- quarries and road cuttings.
- Infilled ground areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground areas where the surface has been reshaped.
   Disturbed ground areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

287330989\_1\_1 21-1088.02

492450, 384020

#### Artificial Ground and Landslip Map - Slice E





#### **Order Details:**

Order Number: Customer Reference: National Grid Reference:

Site Area (Ha): Search Buffer (m): 884.45 250

Site Details:

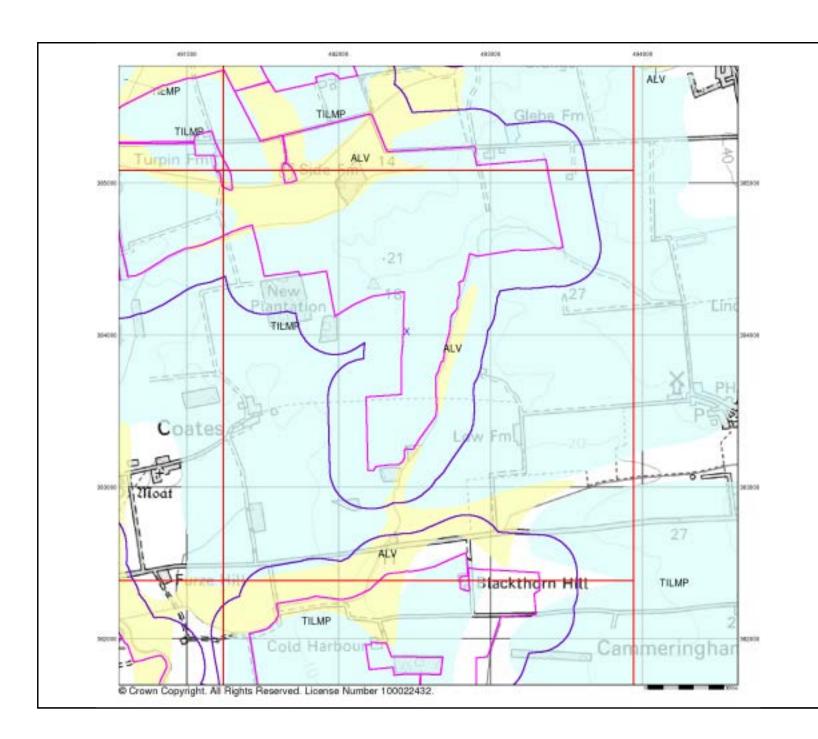
Cottam 1

Landmark

0844 844 9952 0844 844 9951

v15.0 04-Nov-2021

Page 2 of 5





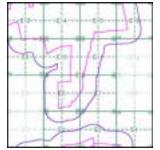
#### **Superficial Geology**

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

### Superficial Geology Map - Slice E



287330989\_1\_1 21-1088.02

492450, 384020



#### **Order Details:**

Order Number: Customer Reference: National Grid Reference:

Site Area (Ha): Search Buffer (m): 884.45 250

Site Details:

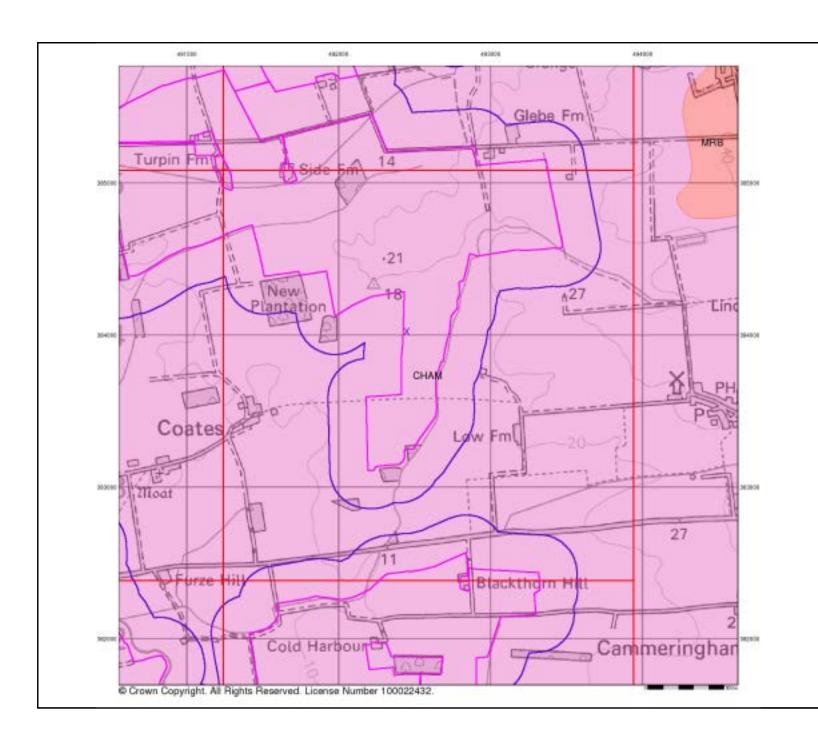
Cottam 1



0844 844 9952 0844 844 9951

v15.0 04-Nov-2021

Page 3 of 5





#### **Bedrock and Faults**

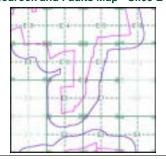
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

#### Bedrock and Faults Map - Slice E





### **Order Details:**

Order Number: Customer Reference: National Grid Reference: Site Area (Ha): Search Buffer (m):

492450, 384020 884.45 250

287330989\_1\_1 21-1088.02

Site Details:

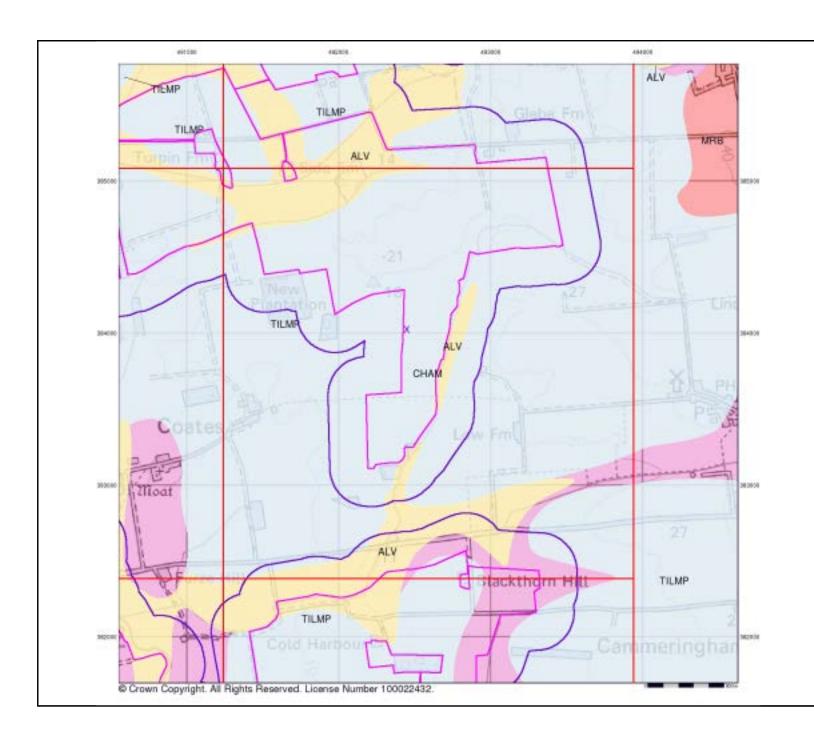
Cottam 1



0844 844 9952 0844 844 9951

v15.0 04-Nov-2021

Page 4 of 5





#### Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

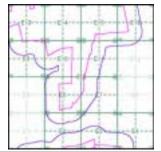
#### **Additional Information**

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

#### Contact

British Geological Survey Kingsley Dunham Centre Keyworth Nottingham NG12 5GG Telephone: 0115 936 3143 Fax: 0115 936 3276 email: enquiries@bgs.ac.uk website: www.bgs.ac.uk

#### Combined Geology Map - Slice E



287330989\_1\_1 21-1088.02

492450, 384020

884.45 250

#### **Order Details:**

Order Number: Customer Reference: National Grid Reference: Slice:

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

Site Details:

Cottam 1

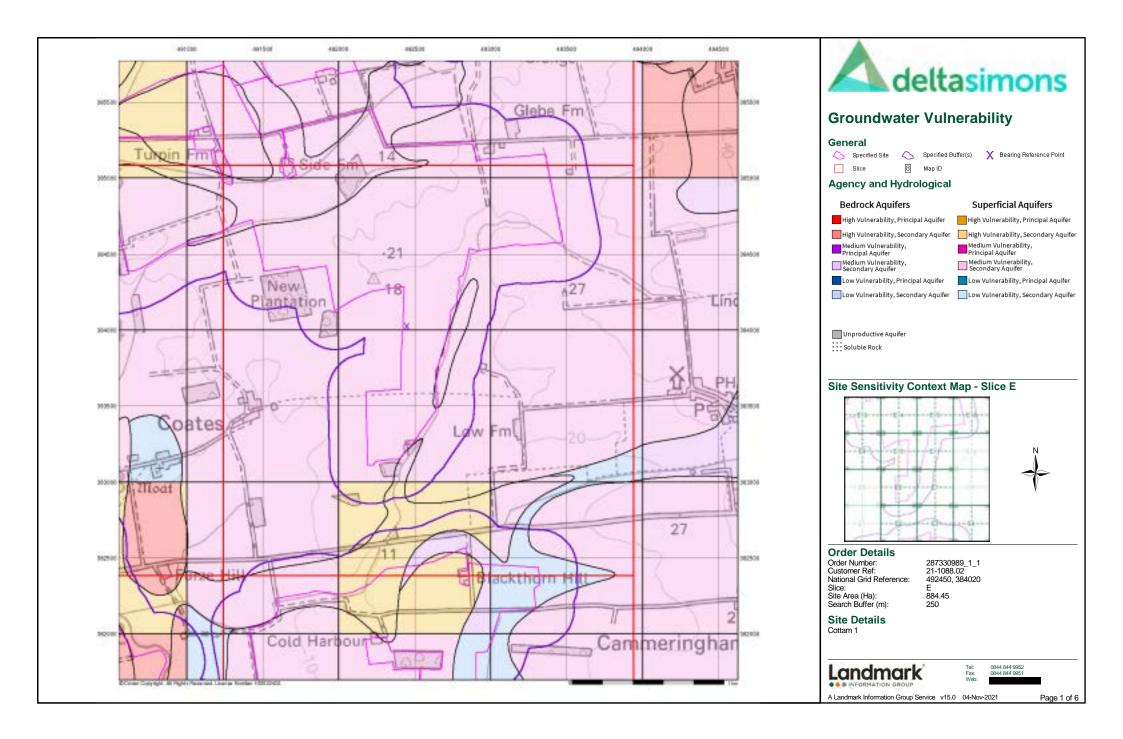


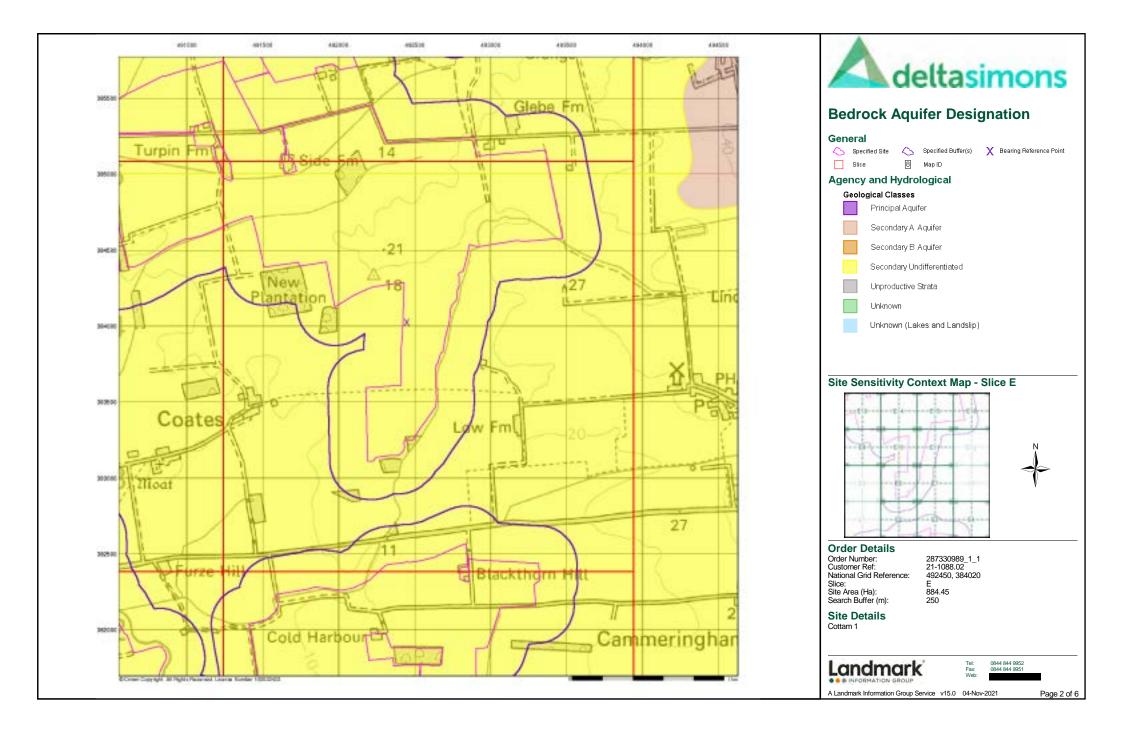
Tel: 0844 84 Fax: 0844 84 Web:

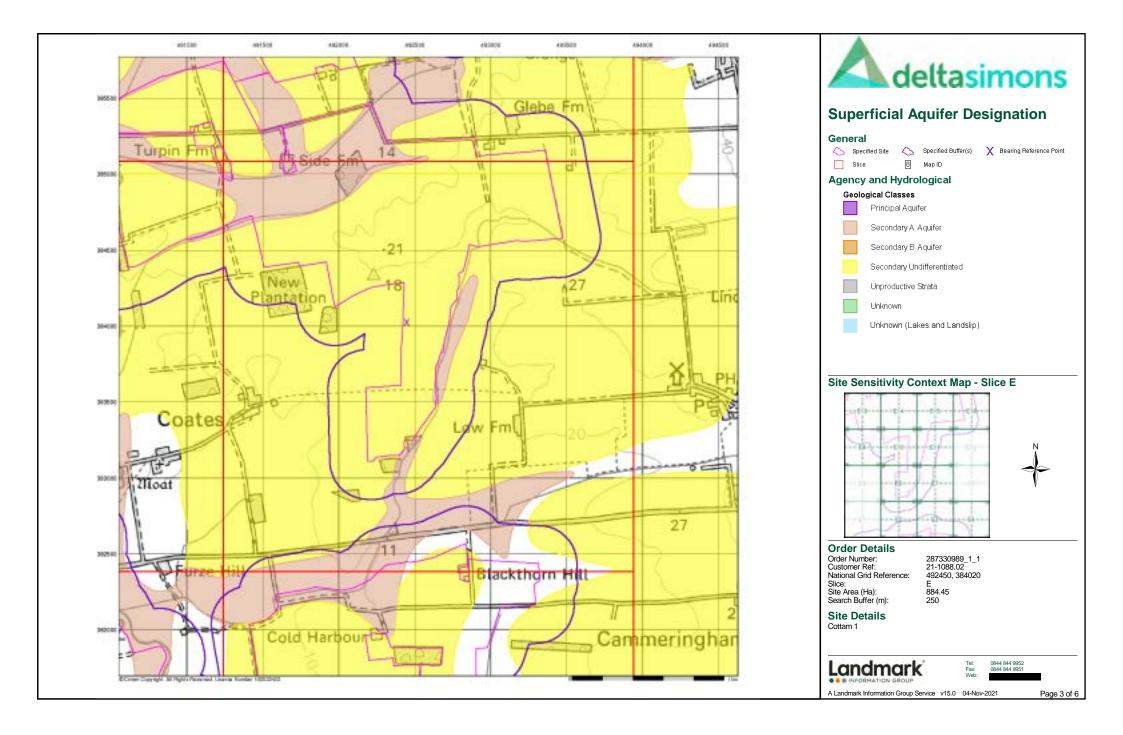
0844 844 9952 0844 844 9951

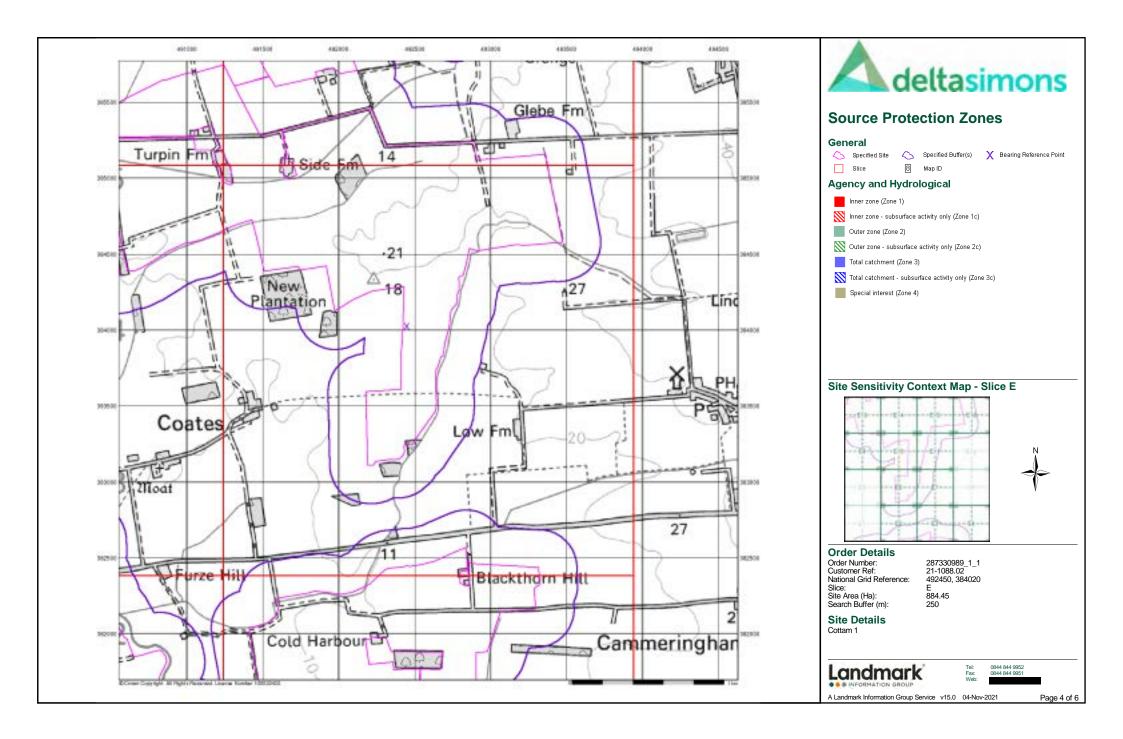
v15.0 04-Nov-2021

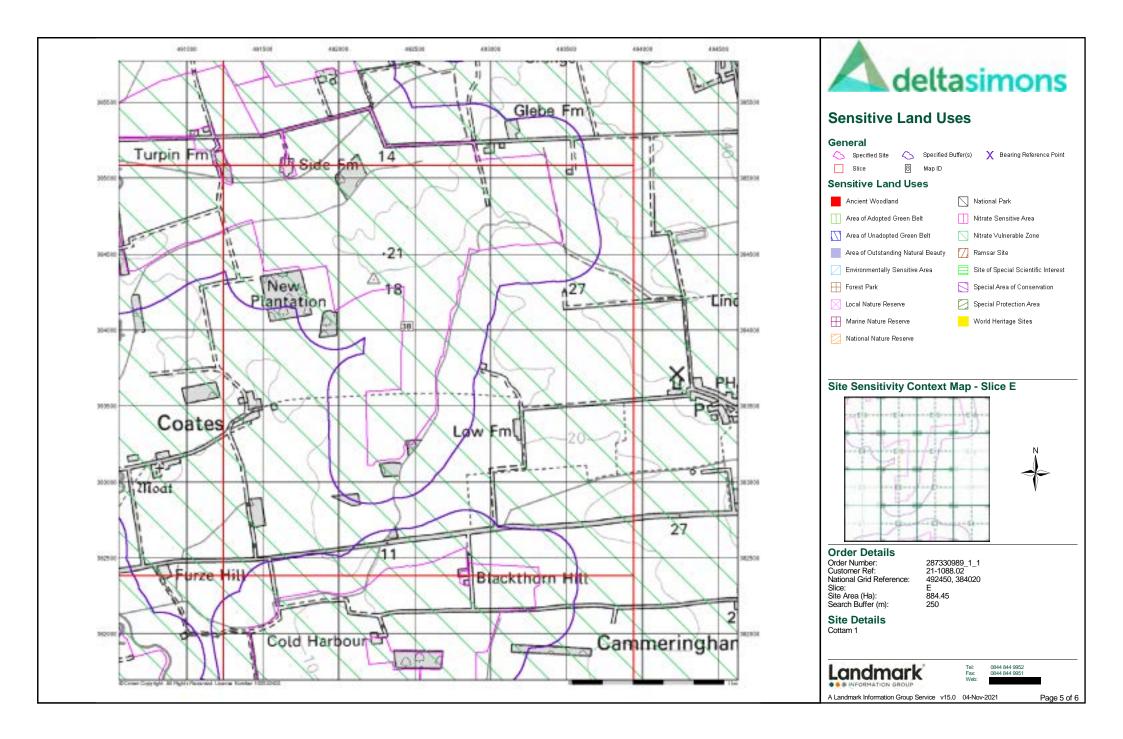
Page 5 of 5













# **Envirocheck® Report:**

### **Datasheet**

### **Order Details:**

Order Number:

287330989\_1\_1

**Customer Reference:** 

21-1088.02

**National Grid Reference:** 

490790, 385540

Slice:

F

Site Area (Ha):

884.45

Search Buffer (m):

250

### **Site Details:**

Cottam 1

### **Client Details:**

Mr A Howells Delta Simons 3 Henley Office Park Doddington Road Lincoln LN6 3QR







Report Section	Page Number	
Summary	-	
Agency & Hydrological	1	
Waste	11	
Hazardous Substances	-	
Geological	12	
Industrial Land Use	-	
Sensitive Land Use	14	
Data Currency	15	
Data Suppliers	20	
Useful Contacts	21	

#### 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.

#### **Copyright Notice**

© Landmark Information Group Limited 2021. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, the Environme Agency/Natural Resources Wales and Natural England, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under

Agency/Natural Resolutes waters and Natural England, and mist not be reproduced in whole of in part by protocopying of any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer.

A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report.

© Environment Agency & United Kingdom Research and Innovation 2021. © Natural Resources Wales & United Kingdom Research and Innovation 2021.

#### Natural England Copyright Notice

Site of Special Scientific Interest, National Nature Reserve, Ramsar, Special Protection Area, Special Conservation Area, Marine Nature Reserve data (derived from Ordnance Survey 1:10000 raster) is provided by, and used with the permission of, Natural England who retain the copyright and Intellectual Property Rights for the data.

#### Scottish Natural Heritage Copyright

Contains SNH information licensed under the Open Government Licence v3.0.

#### Ove Arup Copyright Notice

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

#### Stantec Copyright Notice

The cavity data presented has been extracted from the PBA (now Stantec UK Ltd) enhanced version of the original DEFRA national cavity databases. Stantec UK Ltd retain the copyright & intellectual property rights in the data. Whilst all reasonable efforts are made to check that the information contained in the cavity databases is accurate we do not warrant that the data is complete or error free. The information is based upon our own researches and those collated from a number of external sources and is continually being augmented and updated by Stantec UK Ltd. In no event shall Stantec UK Ltd or Landmark be liable for any loss or damage including, without limitation, indirect or consequential loss or damage arising from the use of this data.

#### Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England.

#### **Natural Resources Wales Copyright Notice**

Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Contains Ordnance Survey Data. Ordnance Survey Licence number 100019741. Crown Copyright and Database Right. Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Some features of this information are based on digital spatial data licensed from the Centre for Ecology & Hydrology © NERC (CEH). Defra, Met Office and DARD Rivers Agency © Crown copyright. © Cranfield University. © James Hutton Institute. Contains OS data © Crown copyright and database right 2021. Land & Property Services © Crown copyright and database right.

#### Report Version v53.0



## **Summary**

Data Type	Page Number	On Site	0 to 250m (*up to 500m)
Agency & Hydrological			
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes
Contaminated Land Register Entries and Notices			
Discharge Consents			
Prosecutions Relating to Controlled Waters			n/a
Enforcement and Prohibition Notices			
Integrated Pollution Controls			
Integrated Pollution Prevention And Control			
Local Authority Integrated Pollution Prevention And Control			
Local Authority Pollution Prevention and Controls			
Local Authority Pollution Prevention and Control Enforcements			
Nearest Surface Water Feature	pg 2	Yes	
Pollution Incidents to Controlled Waters			
Prosecutions Relating to Authorised Processes			
Registered Radioactive Substances			
River Quality			
River Quality Biology Sampling Points			
River Quality Chemistry Sampling Points			
Substantiated Pollution Incident Register			
Water Abstractions			
Water Industry Act Referrals			
Groundwater Vulnerability Map	pg 2	Yes	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a
Groundwater Vulnerability - Local Information			n/a
Bedrock Aquifer Designations	pg 7	Yes	n/a
Superficial Aquifer Designations	pg 7	Yes	n/a
Source Protection Zones			
Extreme Flooding from Rivers or Sea without Defences	pg 8	Yes	
Flooding from Rivers or Sea without Defences	pg 8	Yes	
Areas Benefiting from Flood Defences			
Flood Water Storage Areas			
Flood Defences			
OS Water Network Lines	pg 8	4	10



## **Summary**

Data Type	Page Number	On Site	0 to 250m (*up to 500m)
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 11	2	n/a
Local Authority Recorded Landfill Sites			
Potentially Infilled Land (Non-Water)			
Potentially Infilled Land (Water)			
Registered Landfill Sites			
Registered Waste Transfer Sites			
Registered Waste Treatment or Disposal Sites			
Hazardous Substances			
Control of Major Accident Hazards Sites (COMAH)			
Explosive Sites			
Notification of Installations Handling Hazardous Substances (NIHHS)			
Planning Hazardous Substance Consents			
Planning Hazardous Substance Enforcements			



## **Summary**

Data Type	Page Number	On Site	0 to 250m (*up to 500m)
Geological			
BGS 1:625,000 Solid Geology	pg 12	Yes	n/a
BGS Estimated Soil Chemistry	pg 12	Yes	
BGS Recorded Mineral Sites			
BGS Urban Soil Chemistry			
BGS Urban Soil Chemistry Averages			
CBSCB Compensation District			n/a
Coal Mining Affected Areas			n/a
Mining Instability			n/a
Man-Made Mining Cavities			
Natural Cavities			
Non Coal Mining Areas of Great Britain			
Potential for Collapsible Ground Stability Hazards	pg 12	Yes	Yes
Potential for Compressible Ground Stability Hazards	pg 12	Yes	
Potential for Ground Dissolution Stability Hazards			
Potential for Landslide Ground Stability Hazards	pg 12	Yes	
Potential for Running Sand Ground Stability Hazards	pg 12	Yes	Yes
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 13	Yes	
Radon Potential - Radon Affected Areas			n/a
Radon Potential - Radon Protection Measures			n/a
Industrial Land Use			
Contemporary Trade Directory Entries			
Fuel Station Entries			
Points of Interest - Commercial Services			
Points of Interest - Education and Health			
Points of Interest - Manufacturing and Production			
Points of Interest - Public Infrastructure			
Points of Interest - Recreational and Environmental			
Gas Pipelines			
Underground Electrical Cables			



## **Summary**

Data Type	Page Number	On Site	0 to 250m (*up to 500m)
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 14	1	
Ramsar Sites			
Sites of Special Scientific Interest			
Special Areas of Conservation			
Special Protection Areas			
World Heritage Sites			



Map ID	<b>Details</b>	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR	
	BGS Groundwater Flooding Susceptibility	(0)4()		1		400000
	Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	489800 384400	
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	489750	
	BGS Groundwater Flooding Susceptibility				385000	
	Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	1	489150 385000	
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	0	1	491700	
	BGS Groundwater Flooding Susceptibility	, ,			385950	
	Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	488800 384400	
	BGS Groundwater Flooding Susceptibility				384400	
	Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	0	1	491900 384550	
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	0	1	491750	
		(SE)	0	ı	384600	
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	0	1	491500	
	BGS Groundwater Flooding Susceptibility				385900	
	Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	489450 384900	
	BGS Groundwater Flooding Susceptibility	,_,	_			
	Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	1	490600 384900	
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	0	1	491800	
	BGS Groundwater Flooding Susceptibility				386000	
	Flooding Type: Potential for Groundwater Flooding to Occur at Surface	F4NW (N)	0	1	490789 385545	
	BGS Groundwater Flooding Susceptibility	(14)			300040	
	Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SW)	0	1	490000 384300	
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(S)	0	1	490789	
		(3)	0		385000	
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	8	1	490200	
	BGS Groundwater Flooding Susceptibility				384500	
	Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SW)	21	1	489700 384550	
	BGS Groundwater Flooding Susceptibility	(0)4()	04	4	400000	
	Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	21	1	490000 384950	
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	33	1	490150	
	BGS Groundwater Flooding Susceptibility	(- /			384950	
	Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	200	1	487850 385000	
	BGS Groundwater Flooding Susceptibility				300000	
	Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	208	1	490100 384950	
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SW)	221	1	490100	
		(000)	241	1	384900	
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	F3SW (SW)	227	1	490100 385250	



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Nearest Surface Wa	ater Feature	F3SE (SW)	0	-	490496 385121
	Groundwater Vulne	erability Map	(011)			
	Combined Classification: Combined Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index: Superficial Patchiness: Superficial	Secondary Bedrock Aquifer - High Vulnerability  High  Productive Bedrock Aquifer, Productive Superficial Aquifer Low Well Connected Fractures <300 mm/year 40-70% <90%  <3m	(SW)	0	2	49000 385000
	Thickness: Superficial Recharge:	No Data				
	Groundwater Vulne	erability Map				
	Combined Classification: Combined Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index: Superficial Patchiness: Superficial	Secondary Superficial Aquifer - Medium Vulnerability  Medium  Productive Bedrock Aquifer, Productive Superficial Aquifer Low Well Connected Fractures <300 mm/year 40-70% <90%  <3m	(S)	0	2	490789 385000
	Thickness: Superficial Recharge:	Low				
	Groundwater Vulne	erability Map				
	Combined Classification: Combined Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index: Superficial Patchiness: Superficial Thickness: Superficial Recharge:  Groundwater Vulne	Secondary Superficial Aquifer - Medium Vulnerability  Medium  Productive Bedrock Aquifer, Productive Superficial Aquifer Low  Well Connected Fractures <300 mm/year 40-70% <90%  <3m  Low	(S)	0	2	490883 385000
	Combined Classification: Combined Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index: Superficial Patchiness: Superficial Thickness: Superficial Recharge:	Secondary Superficial Aquifer - Medium Vulnerability  Medium  Productive Bedrock Aquifer, Productive Superficial Aquifer Low  Well Connected Fractures <300 mm/year 40-70% <90%  <3m  Low	(SW)	0	2	490387 385000



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined	Secondary Superficial Aquifer - Medium Vulnerability	(SW)	0	2	490356
	Classification: Combined	Medium				384912
	Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index: Superficial	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Well Connected Fractures <300 mm/year 40-70% <90%				
	Patchiness: Superficial Thickness: Superficial Recharge:	<3m Low				
	-					
	Groundwater Vulne Combined Classification:	erability Map Secondary Superficial Aquifer - Medium Vulnerability	(SW)	0	2	490350 385000
	Combined Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index: Superficial Patchiness: Superficial Thickness: Superficial Recharge:  Groundwater Vulne	Medium  Productive Bedrock Aquifer, Productive Superficial Aquifer Low  Well Connected Fractures <300 mm/year 40-70% <90%  <3m  Low  Prability Map				363000
	Groundwater Vulne Combined	erability Map Secondary Superficial Aquifer - Medium Vulnerability	(SE)	0	2	491320
	Classification: Combined Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index: Superficial Patchiness: Superficial Thickness: Superficial Recharge:	Medium  Productive Bedrock Aquifer, Productive Superficial Aquifer Low Poorly Connected Fractures <300 mm/year 40-70% >90%  3-10m Low				385000
	Groundwater Vulne	•	(2)		_	404000
	Combined Classification: Combined Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index: Superficial Patchiness: Superficial Thickness: Superficial Recharge:	Secondary Superficial Aquifer - Medium Vulnerability  Medium  Productive Bedrock Aquifer, Productive Superficial Aquifer Low Poorly Connected Fractures <300 mm/year 40-70% >90%  3-10m  Low	(S)	0	2	491000 384962



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - High Vulnerability	F4NW (N)	0	2	490789 385545
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index:	Productive Bedrock Aquifer, Productive Superficial Aquifer High Well Connected Fractures <300 mm/year 40-70%				
	Superficial Patchiness:	>90%				
	Superficial Thickness:	<3m				
	Superficial Recharge:	Low				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - High Vulnerability	(S)	0	2	490692 385081
	Combined Vulnerability: Combined Aguifer:	High  Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed: Bedrock Flow: Dilution:	High Well Connected Fractures				
	Baseflow Index: Superficial Patchiness:	<300 mm/year 40-70% >90%				
	Superficial Thickness:	<3m				
	Superficial Recharge:	Low				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - High Vulnerability	F4NW (NW)	0	2	490772 385584
	Combined Vulnerability: Combined Aquifer:	High  Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed: Bedrock Flow: Dilution:	High Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial Patchiness:	40-70% >90%				
	Superficial Thickness: Superficial	<3m Low				
	Recharge:					
	Groundwater Vulne					
	Combined Classification:	Secondary Superficial Aquifer - High Vulnerability	F3SE (SW)	0	2	490328 385270
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution:	Productive Bedrock Aquifer, Productive Superficial Aquifer High Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial Patchiness:	40-70% >90%				
	Superficial Thickness:	<3m				
	Superficial Recharge:	Low				



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined	Secondary Superficial Aquifer - Medium Vulnerability	F4NE	0	2	491000
	Classification: Combined	Medium	(E)			385545
	Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial Patchiness:	40-70% >90%				
	Superficial Thickness: Superficial Recharge:	3-10m High				
	Groundwater Vulne	arahility Man				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	(NE)	0	2	491378 385860
	Combined Vulnerability:	Medium				33333
	Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial Patchiness:	40-70% >90%				
	Superficial Thickness: Superficial	3-10m High				
	Recharge:	•				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	F4NE (NE)	0	2	491000 385682
	Combined Vulnerability: Combined Aquifer:	Medium  Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed: Bedrock Flow: Dilution:	Low Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial Patchiness:	40-70% >90%				
	Superficial Thickness: Superficial Recharge:	3-10m High				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	F4SE (SE)	0	2	491000 385086
	Combined Vulnerability:	Medium	(/			
	Combined Aquifer: Pollutant Speed: Bedrock Flow:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Poorly Connected Fractures				
	Dilution: Baseflow Index: Superficial	<300 mm/year 40-70% >90%				
	Patchiness: Superficial Thickness:	3-10m				
	Superficial Recharge:	High				



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	(NE)	0	2	491342 386000
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% >90%				
	Patchiness: Superficial	3-10m				
	Thickness: Superficial	High				
	Recharge:	-				
	Groundwater Vulne Combined	erability Map  Secondary Superficial Aquifer - Medium Vulnerability	(S)	0	2	491000
	Classification: Combined	Medium	(-)			385000
	Vulnerability: Combined Aquifer:	Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	Low Poorly Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial Patchiness:	>90%				
	Superficial Thickness:	3-10m				
	Superficial Recharge:	Low				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	F8SE (NE)	0	2	491000 386000
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% · >90%				
	Patchiness: Superficial	3-10m				
	Thickness: Superficial	High				
	Recharge:	avakility Man				
	Groundwater Vulne Combined	erability map Secondary Bedrock Aquifer - High Vulnerability	(SW)	0	2	490000
	Classification: Combined	High				384329
	Vulnerability: Combined Aquifer:	Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	Low Well Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial Patchiness:	<90%				
	Superficial Thickness:	<3m				
	Superficial Recharge:	No Data				



Page 7 of 21

ip )		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	rability Map				
	Combined	Secondary Superficial Aquifer - Medium Vulnerability	(SW)	0	2	490207
	Classification:					384417
	Combined	Medium				
	Vulnerability: Combined Aquifer:	Productive Redrock Aguifer Productive Superficial Aguifer				
	Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow:	Well Connected Fractures				
	Dilution:	<300 mm/year				
	Baseflow Index:	40-70%				
	Superficial Patchiness:	<90%				
	Superficial	<3m				
	Thickness:					
	Superficial Recharge:	Low				
		valatitis Man				
	Groundwater Vulne		(14.1)		0	40000
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	(W)	0	2	489000 385000
	Classification:	High				300000
	Vulnerability:	· ··ʊ··				
	Combined Aquifer:	Productive Bedrock Aquifer, No Superficial Aquifer				
	Pollutant Speed:	Low				
	Bedrock Flow: Dilution:	Well Connected Fractures <300 mm/year				
	Baseflow Index:	40-70%				
	Superficial	<90%				
	Patchiness:					
	Superficial	<3m				
	Thickness: Superficial	No Data				
	Recharge:					
	Groundwater Vulne	rability Map				
	Combined	Secondary Bedrock Aquifer - High Vulnerability	(SW)	0	2	48981
	Classification:	Little				385000
	Combined Vulnerability:	High				
	Vulnerability: Combined Aquifer:	Productive Bedrock Aquifer, No Superficial Aquifer				
	Pollutant Speed:	Low				
	Bedrock Flow:	Well Connected Fractures				
	Dilution:	<300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness:					
	Superficial	<3m				
	Thickness:	N. D.				
	Superficial Recharge:	No Data				
		rability - Soluble Rock Risk				
	Bedrock Aquifer De	esignations				
		Secondary Aquifer - Undifferentiated	(S)	0	2	490789
	Rodrock Assister D	signations				385000
	Bedrock Aquifer De	Secondary Aquifer - Undifferentiated	F4NW	0	2	490789
	Aquilei Designation:	Secondary Aquiler - Unumerentiated	(N)	U	۷	38554
	Bedrock Aquifer De	signations	(,			
		Secondary Aquifer - B	(SW)	0	2	490000
	Podrock Assistant	oignations				38500
	Bedrock Aquifer De	signations Secondary Aquifer - B	(SW)	0	2	49035
			(0**)		_	38500
	Bedrock Aquifer De	<del>-</del>		_	_	
	Aquiter Designation:	Secondary Aquifer - B	F3NE (W)	0	2	490308 385498
	Superficial Aquifer	Designations				
	Aquifer Designation:	Secondary Aquifer - Undifferentiated	(S)	0	2	490789
	Superficial Aquifer	Designations				385000
		Secondary Aquifer - Undifferentiated	(S)	0	2	490692
			(-,	-		38508
	Superficial Aquifer	<del>-</del>				
	Aquifor Designations	Secondary Aquifer - Undifferentiated	(SW)	0	2	49000



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	F4NW (NW)	0	2	490608 385668
	Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - Undifferentiated	(SE)	0	2	491320 385000
	Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - Undifferentiated	F4NW (N)	0	2	490789 385545
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(SW)	0	2	490207 384417
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(SW)	0	2	490000 384329
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(S)	0	2	490883 385000
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(SW)	0	2	490387 385000
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	F4NW (NW)	0	2	490772 385584
	Extreme Flooding from Rivers or Sea without Defences  Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	F4NW (NE)	0	3	490880 385615
	Flooding from Rivers or Sea without Defences  Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	F4NW (NW)	0	3	490665 385645
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
1	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 2066.4  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	(S)	0	4	490706 385084
2	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 528.0  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F4NW (NW)	0	4	490760 385602
3	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 704.8  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F4NE (NE)	0	4	491056 385695
4	OS Water Network Lines  Watercourse Forn: Inland river Watercourse Length: 436.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F4NE (E)	0	4	491075 385634



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 445.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F4NW (W)	2	4	490568 385507
6	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 750.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F4NW (NW)	2	4	490630 385627
7	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F3SE (SW)	6	4	490323 385164
8	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F8NE (N)	9	4	491089 386301
9	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 347.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F3SE (SW)	19	4	490315 385173
10	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 7.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F3SE (SW)	19	4	490313 385180
11	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 481.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F3SE (SW)	25	4	490313 385180
12	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 301.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F3NE (W)	55	4	490431 385503
13	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 272.5  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F8NE (N)	195	4	491089 386301



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	OS Water Network Lines				
14	Watercourse Form: Inland river Watercourse Length: 338.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F8NW (N)	202	4	490759 386227



#### **Waste**

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage				
	Name: West Lindsey District Council - Has no landfill data to supply		0	5	490789 385545
	Local Authority Landfill Coverage				
	Name: Lincolnshire County Council - Had landfill data but passed it to the relevant environment agency		0	6	490789 385545





Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Lias Group	F4NW (N)	0	1	490789 385545
	BGS Estimated Soil Chemistry  Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	F4NW (N)	0	1	490789 385545
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	F4NW (NW)	0	1	490772 385584
	Potential for Collapsible Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	F4NW (N)	0	1	490789 385545
	Potential for Collapsible Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	F4NW (NW)	0	1	490608 385668
	Potential for Collapsible Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(S)	0	1	490692 385081
	Potential for Collapsible Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	F3SW (SW)	109	1	490196 385212
	Potential for Compressible Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	F4NW (N)	0	1	490789 385545
	Potential for Compressible Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	F4NW (NW)	0	1	490608 385668
	Potential for Compressible Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(S)	0	1	490692 385081
	Potential for Compressible Ground Stability Hazards  Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	F4NW (NW)	0	1	490772 385584
	Potential for Compressible Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	F3SW (SW)	109	1	490196 385212
	Potential for Ground Dissolution Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	F4NW (N)	0	1	490789 385545
	Potential for Landslide Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	F4NW (N)	0	1	490789 385545
	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	F4NW (N)	0	1	490789 385545



# **Geological**

/lap ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Runnii	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	(S)	0	1	490692 385081
	Potential for Runnii	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	F4NW (NW)	0	1	490608 385668
	Potential for Runnii	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	F4NW (NW)	0	1	490772 385584
	Potential for Runnii	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	F3SW (SW)	109	1	490196 385212
	Potential for Shrink	ing or Swelling Clay Ground Stability Hazards				
	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	F4NW (N)	0	1	490789 385545
	Potential for Shrink	ing or Swelling Clay Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	F4NW (NW)	0	1	490772 385584
	Potential for Shrink	ing or Swelling Clay Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	F4SE (S)	0	1	490929 385098
	Radon Potential - R	adon 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).	F4NW (N)	0	1	490789 385549
	Source:	British Geological Survey, National Geoscience Information Service				
		adon Protection Measures	E 48.04/			400=0
	Protection Measure: Source:	No radon protective measures are necessary in the construction of new dwellings or extensions  British Geological Survey, National Geoscience Information Service	F4NW (N)	0	1	490789 385549



#### **Sensitive Land Use**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	Nitrate Vulnerab Name: Description:	le Zones  Lower Witham Nvz Surface Water	F4NW (N)	0	2	490789 385545
	Source:	Environment Agency, Head Office	(14)			363343



Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Environment Agency - Head Office	June 2020	Annually
West Lindsey District Council - Environmental Health Department	September 2017	Annual Rolling Update
Discharge Consents		
Environment Agency - Anglian Region	July 2021	Quarterly
Environment Agency - Midlands Region	July 2021	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	Canadi y 2000	
Environment Agency - Anglian Region	July 2021	Quarterly
	3diy 2021	Quarterly
Local Authority Integrated Pollution Prevention And Control	November 2014	Variable
West Lindsey District Council - Environmental Health Department	November 2014	Variable
Local Authority Pollution Prevention and Controls		
West Lindsey District Council - Environmental Health Department	November 2014	Annual Rolling Updat
Local Authority Pollution Prevention and Control Enforcements		
West Lindsey District Council - Environmental Health Department	November 2014	Variable
Nearest Surface Water Feature		
Ordnance Survey	August 2021	
Pollution Incidents to Controlled Waters		
Environment Agency - Midlands Region	December 1999	
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	Annually
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	April 2012	Annually
River Quality Chemistry Sampling Points		
Environment Agency - Head Office	April 2012	Annually
Substantiated Pollution Incident Register		
Environment Agency - Anglian Region - Northern Area	July 2021	Quarterly
Water Abstractions		
Environment Agency - Anglian Region	July 2021	Quarterly
Environment Agency - Midlands Region	July 2021	Quarterly
Water Industry Act Referrals		
Environment Agency - Anglian Region	October 2017	Quarterly
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		<u> </u>
Environment Agency - Head Office	May 2021	Bi-Annually



Agency & Hydrological	Version	Update Cycle
Extreme Flooding from Rivers or Sea without Defences	0.515.1	0
Environment Agency - Head Office	September 2021	Quarterly
Flooding from Rivers or Sea without Defences	0 1 1 0004	O constants
Environment Agency - Head Office	September 2021	Quarterly
Areas Benefiting from Flood Defences	Contornhon 2024	O contant.
Environment Agency - Head Office	September 2021	Quarterly
Flood Water Storage Areas	0 1 1 0004	O constant
Environment Agency - Head Office	September 2021	Quarterly
Flood Defences	Contornhon 2024	O contant.
Environment Agency - Head Office	September 2021	Quarterly
OS Water Network Lines	lul : 0004	Out and and a
Ordnance Survey	July 2021	Quarterly
Surface Water 1 in 30 year Flood Extent	M 2212	A
Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent		
Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent		
Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability		
Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility		
British Geological Survey - National Geoscience Information Service	May 2013	Annually
Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	November 2002	Not Applicable
Historical Landfill Sites		
Environment Agency - Head Office	May 2021	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - Anglian Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - Anglian Region - Northern Area	July 2021	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - Anglian Region - Northern Area	July 2021	Quarterly
Local Authority Landfill Coverage		
Lincolnshire County Council	February 2003	Not Applicable
West Lindsey District Council - Environmental Health Department	February 2003	Not Applicable
Local Authority Recorded Landfill Sites		
Lincolnshire County Council	October 2018	
West Lindsey District Council - Environmental Health Department	October 2018	
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water)		
Landmark Information Group Limited	December 1999	
Registered Landfill Sites		
Environment Agency - Anglian Region - Northern Area	March 2006	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - Anglian Region - Northern Area	April 2018	
Registered Waste Treatment or Disposal Sites		
Environment Agency - Anglian Region - Northern Area	June 2015	
		<u>'</u>



Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)	A 11 0040	5: 4 "
Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS)	Water 2017	Annually
Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements		
Lincolnshire County Council - Highways and Planning Department	August 2010	Variable
West Lindsey District Council	February 2016	Variable
Planning Hazardous Substance Consents		
Lincolnshire County Council - Highways and Planning Department	August 2007	Variable
West Lindsey District Council	February 2016	Variable
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology		
British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	Annually
BGS Recorded Mineral Sites	Becomber 2010	7 timacily
British Geological Survey - National Geoscience Information Service	May 2021	Bi-Annually
CBSCB Compensation District	,	,
Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	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	Annually
Potential for Compressible Ground Stability Hazards	April 2020	Armany
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards	,	,
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas		
British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures	July 2011	Annually



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



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

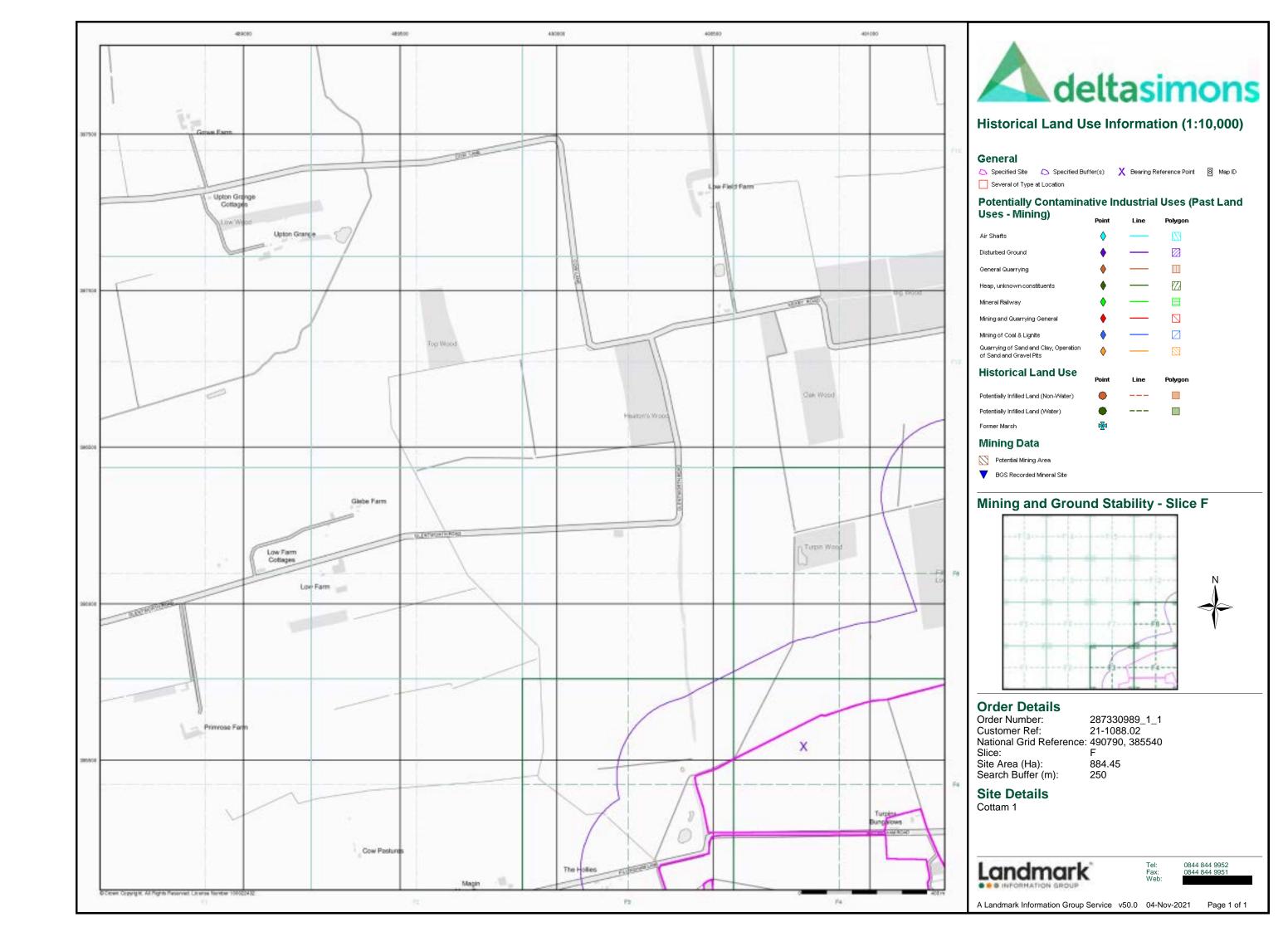
Data Supplier	Data Supplier Logo
Ordnance Survey	Map dicta
Environment Agency	Environment Agency
Scottish Environment Protection Agency	SEPA
The Coal Authority	The Coal Authority
British Geological Survey	British Geological Survey
Centre for Ecology and Hydrology	Centre for Ecology & Hydrology
Natural Resources Wales	Cyfoeth Noturiol Cyfrou Matural Resources Walke
Scottish Natural Heritage	SCOTTISH NATURAL HERITAGE 迎念河
Natural England	BNG.AND
Public Health England	Public Health England
Ove Arup	ARUP
Stantec UK Ltd	Stantec

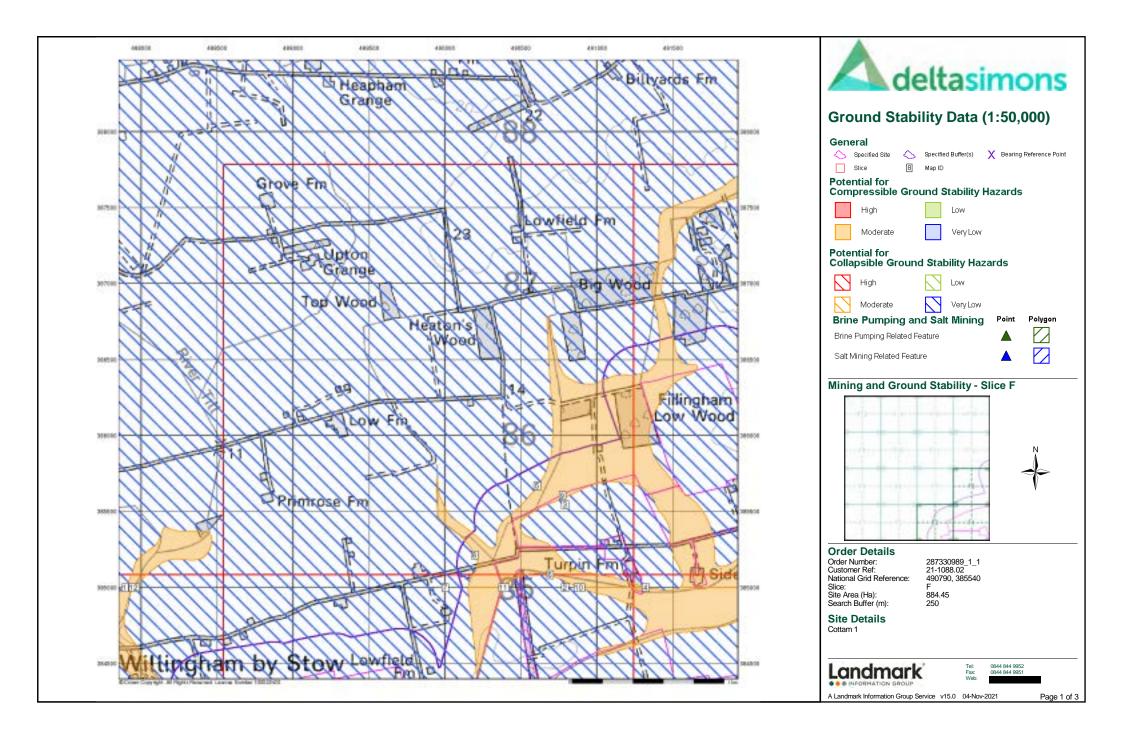


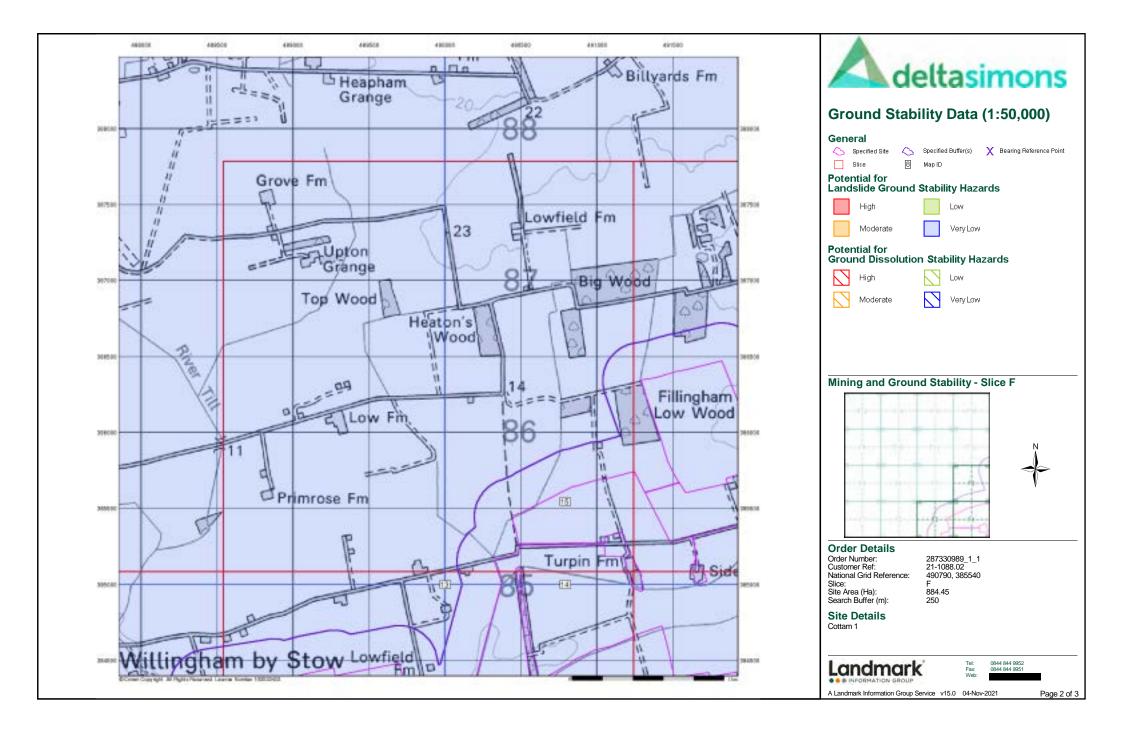
#### **Useful Contacts**

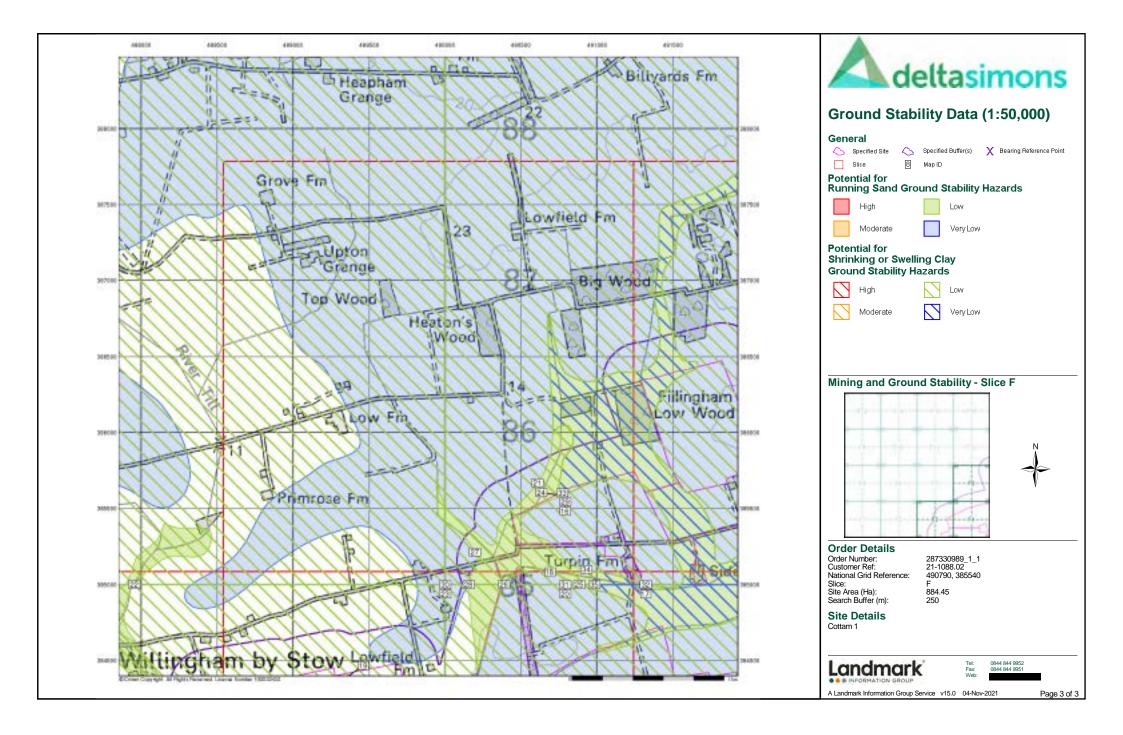
Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service  British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website:
2	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
3	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
4	Ordnance Survey  Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	West Lindsey District Council - Environmental Health Department The Guildhall, Caskgate Street, Gainsborough, Lincolnshire, DN21 2DH	Telephone: 01427 676676 Fax: 01427 810623 Website: www.west-lindsey.gov.uk
6	Lincolnshire County Council 4th Floor, City Hall, Lincoln, Lincolnshire, LN1 1DN	Telephone: 01522 552222 Fax: 01522 552288 Email: PublicRelations@lincolnshire.gov.uk Website: www.lincolnshire.gov.uk
7	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website:
-	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:
-	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:

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











## **Envirocheck® Report:**

# Mining and Ground Stability Datasheet

#### **Order Details:**

**Order Number:** 

287330989\_1\_1

**Customer Reference:** 

21-1088.02

**National Grid Reference:** 

490790, 385540

Slice:

Site Area (Ha):

884.45

Search Buffer (m):

250

**Site Details:** 

Cottam 1

#### **Client Details:**

Mr A Howells
Delta Simons
3 Henley Office Park
Doddington Road
Lincoln
LN6 3QR





Page Number



Report Section and Betails	i age itamber		
Summary	-		
The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected.  For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).			
Mining and Natural Cavities Data	-		
The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities.  Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.			
Historical Land Use Information (1:2,500)	-		
The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative.  For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.			
Historical Land Use Information (1:10,000)	-		
The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses.			

**Report Section and Details** 

Ground Stability Data (1:50,000)

on the accompanying Historical Land Use Information (1:10,000) map.

1

7

The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.

For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted

Historical Map List	4		
The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.			
Data Currency 5			
Data Suppliers	6		

#### **Copyright Notice**

**Useful Contacts** 

© Landmark Information Group Limited 2021. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, and the Environment Agency/Natural Resources Wales, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer. A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report.

© Copyright Stantec UK Limited. All rights reserved.

The brine subsidence data relating to the Driotwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

Report Version v53.0





Data Type	Page Number	On Site	0 to 250m
Mining and Natural Cavities Data			
BGS Recorded Mineral Sites			
Coal Mining Affected Areas			n/a
Man Made Mining Cavities			
Mining Instability			n/a
Natural Cavities			
Non Coal Mining Areas of Great Britain			
Potential Mining Areas			
Historical Land Use Information (1:2,500)			
Extractive Industries or Potential Excavations from 1855-1909 (100m)			
Extractive Industries or Potential Excavations from 1893-1915 (100m)			
Extractive Industries or Potential Excavations from 1906-1937 (100m)			
Extractive Industries or Potential Excavations from 1924-1949 (100m)			
Extractive Industries or Potential Excavations from 1950-1980 (100m)			
Subterranean Features (100m)			
Historical Land Use Information (1:10,000)			
Air Shafts			
Disturbed Ground			
General Quarrying			
Heap, unknown constituents			
Mineral Railway			
Mining & quarrying general			
Mining of coal & lignite			
Quarrying of sand & clay, operation of sand & gravel pits			
Former Marshes			
Potentially Infilled Land (Non-Water)			
Potentially Infilled Land (Water)			
Ground Stability Data (1:50,000)			
CBSCB Compensation District			n/a
Brine Pumping Related Features			
Brine Subsidence Solution Area			
Potential for Collapsible Ground Stability Hazards	pg 1	Yes	Yes
Potential for Compressible Ground Stability Hazards	pg 1	Yes	Yes
Potential for Ground Dissolution Stability Hazards	pg 2	Yes	
Potential for Landslide Ground Stability Hazards	pg 2	Yes	
Potential for Running Sand Ground Stability Hazards	pg 2	Yes	Yes
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 3	Yes	
Salt Mining Related Features			





Report Version v53.0



# **Ground Stability Data (1:50,000)**

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
-	CBSCB Compensation District				
	The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area				
	The site does not fall within the brine subsidence solution area.				
1	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low	(8)	0	1	489994
'	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(S)	0		382845
	Potential for Collapsible Ground Stability Hazards				
2	Hazard Potential: Very Low	(S)	0	1	490789
	Source: British Geological Survey, National Geoscience Information Service				385000
3	Potential for Collapsible Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	F4NW (N)	0	1	490789 385545
	Potential for Collapsible Ground Stability Hazards				
4	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(SE)	0	1	491320 385000
	Potential for Collapsible Ground Stability Hazards				
5	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	F4NW (NW)	0	1	490608 385668
	Potential for Collapsible Ground Stability Hazards				
6	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(S)	0	1	490692 385081
	Potential for Collapsible Ground Stability Hazards				
7	Hazard Potential: Very Low	(SW)	0	1	490000
	Source: British Geological Survey, National Geoscience Information Service				385000
0	Potential for Collapsible Ground Stability Hazards	E00/4/	400	4	400400
8	Hazard Potential: Very Low   Source: British Geological Survey, National Geoscience Information Service	F3SW (SW)	109	1	490196 385212
	Potential for Collapsible Ground Stability Hazards				
	Hazard Potential: No Hazard	(SW)	0	1	489406
	Source: British Geological Survey, National Geoscience Information Service				383691
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard	F4NW	0	0 1	490772
	Source: British Geological Survey, National Geoscience Information Service	(NW)	0	'	385584
	Potential for Collapsible Ground Stability Hazards				
	Hazard Potential: No Hazard Source: British Geological Survey. National Geoscience Information Service	(S)	0	1	490883
	3.4.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.				385000
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard	(SW)	0	1	490387
	Source: British Geological Survey, National Geoscience Information Service	(311)		,	385000
	Potential for Compressible Ground Stability Hazards				
9	Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	F4NW (NW)	0	1	490772 385584
	Potential for Compressible Ground Stability Hazards	(1444)			303304
10	Hazard Potential: Moderate	(S)	0	1	490883
	Source: British Geological Survey, National Geoscience Information Service	(3)	Ů		385000
	Potential for Compressible Ground Stability Hazards				
11	Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	(SW)	0	1	490387 385000
					303000
12	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate	(SW)	0	1	489406
	Source: British Geological Survey, National Geoscience Information Service	(3)		· 	383691
	Potential for Compressible Ground Stability Hazards				
	Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(S)	0	1	489994 382845
	Potential for Compressible Ground Stability Hazards				
	Hazard Potential: No Hazard Source: No Hazard British Geological Survey, National Geoscience Information Service	(S)	0	1	490789 385000
	Potential for Compressible Ground Stability Hazards				



# **Ground Stability Data (1:50,000)**

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Compressible Ground Stability Hazards				
	Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	F4NW (N)	0	1	490789 385545
	Potential for Compressible Ground Stability Hazards				
	Hazard Potential: No Hazard	(SE)	0	1	491320
	Source: British Geological Survey, National Geoscience Information Service  Potential for Compressible Ground Stability Hazards				385000
	Hazard Potential: No Hazard	F4NW	0	1	490608
	Source: British Geological Survey, National Geoscience Information Service	(NW)			385668
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard	(S)	0	1	490692
	Source: British Geological Survey, National Geoscience Information Service	(3)	U	'	385081
	Potential for Compressible Ground Stability Hazards				
	Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	F3SW (SW)	109	1	490196 385212
	Potential for Ground Dissolution Stability Hazards	(- /			
	Hazard Potential: No Hazard	F4NW	0	1	490789
	Source: British Geological Survey, National Geoscience Information Service  Potential for Ground Dissolution Stability Hazards	(N)			385545
	Hazard Potential: No Hazard	(SW)	0	1	490000
	Source: British Geological Survey, National Geoscience Information Service	(- /			385000
	Potential for Ground Dissolution Stability Hazards	(0)	0		400700
	Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(S)	0	1	490789 385000
	Potential for Landslide Ground Stability Hazards				
13	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(SW)	0	1	490000 385000
	Potential for Landslide Ground Stability Hazards				303000
14	Hazard Potential: Very Low	(S)	0	1	490789
	Source: British Geological Survey, National Geoscience Information Service				385000
15	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low	F4NW	0	1	490789
13	Source: British Geological Survey, National Geoscience Information Service	(N)	0	'	385545
	Potential for Running Sand Ground Stability Hazards				
16	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	F4NW (N)	0	1	490789 385545
	Potential for Running Sand Ground Stability Hazards	( )			
17	Hazard Potential: Very Low	(SE)	0	1	491320
	Source: British Geological Survey, National Geoscience Information Service				385000
18	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low	(S)	0	1	490692
	Source: British Geological Survey, National Geoscience Information Service	(-,	-		385081
	Potential for Running Sand Ground Stability Hazards				40000
19	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(SW)	0	1	490000 384329
	Potential for Running Sand Ground Stability Hazards				
20	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(S)	0	1	490789 385000
	Potential for Running Sand Ground Stability Hazards				303000
21	Hazard Potential: Very Low	F4NW	0	1	490608
	Source: British Geological Survey, National Geoscience Information Service	(NW)			385668
22	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low	(SW)	0	1	489406
	Source: British Geological Survey, National Geoscience Information Service	(300)			383691
	Potential for Running Sand Ground Stability Hazards				
23	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(SW)	0	1	490000 385000
	Potential for Running Sand Ground Stability Hazards				113000
24	Hazard Potential: Low	F4NW	0	1	490772
	Source: British Geological Survey, National Geoscience Information Service	(NW)			385584
25	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low	(S)	0	1	490883
20	Source: British Geological Survey, National Geoscience Information Service	(5)		•	385000



# **Ground Stability Data (1:50,000)**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	Potential for Runn Hazard Potential: Source:	ing Sand Ground Stability Hazards  Low  British Geological Survey, National Geoscience Information Service	(SW)	0	1	490387 385000
	Potential for Runn	ing Sand Ground Stability Hazards				
27	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	F3SW (SW)	109	1	490196 385212
	Potential for Runn	ing Sand Ground Stability Hazards				
28	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	(SW)	207	1	490154 385000
	Potential for Runn	ing Sand Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	(SW)	0	1	489816 385000
	Potential for Runn	ing Sand Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	(S)	0	1	489994 382845
	Potential for Runn	ing Sand Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	(SW)	5	1	490152 384983
	Potential for Shrinking or Swelling Clay Ground Stability Hazards					
29	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	F4NW (N)	0	1	490789 385545
	Potential for Shrin	king or Swelling Clay Ground Stability Hazards				
30	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	(SW)	0	1	490000 385000
	Potential for Shrin	king or Swelling Clay Ground Stability Hazards				
31	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	(S)	0	1	490789 385000
	Potential for Shrin	king or Swelling Clay Ground Stability Hazards				
32	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	(SE)	0	1	491320 385000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards					
33	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	F4NW (NW)	0	1	490772 385584
	Potential for Shrinking or Swelling Clay Ground Stability Hazards					
34	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	F4SE (S)	0	1	490929 385098
	Potential for Shrin	king or Swelling Clay Ground Stability Hazards				
35	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	(S)	0	1	490983 385000



## **Historical Map List**

#### The following mapping has been analysed for Historical Land Use Information (1:2,500):

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	SK8985	1972
Ordnance Survey Plan	SK9085	1974
Ordnance Survey Plan	SK9085	1974
Ordnance Survey Plan	SK9085	1974
Ordnance Survey Plan	SK9086	1974
Ordnance Survey Plan	SK9185	1974
Ordnance Survey Plan	SK9185	1974
Ordnance Survey Plan	SK9186	1974

#### The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Lincolnshire	043_SE	1891
Lincolnshire	051_NE	1891
Lincolnshire	043_SE	1907
Lincolnshire	051_NE	1907
Lincolnshire	043_SE	1947
Lincolnshire	051_NE	1947
Ordnance Survey Plan	SK88NE	1956
Ordnance Survey Plan	SK98NW	1956
1:10,000	Mapsheet	Published Date
Ordnance Survey Plan	SK98NW	1979
Ordnance Survey Plan	SK88NE	1980



## **Data Currency**

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites		
British Geological Survey - National Geoscience Information Service	May 2021	Bi-Annually
Coal Mining Affected Areas		
The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Man Made Mining Cavities		
Stantec UK Ltd	May 2021	Bi-Annually
Mining Instability		
Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities		
Stantec UK Ltd	May 2021	Bi-Annually
Non Coal Mining Areas of Great Britain		
British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	Version	Update Cycle
Subterranean Features		
Landmark Information Group Limited	February 2020	Bi-Annually
Ground Stability Data (1:50,000)	Version	Update Cycle
CBSCB Compensation District		
Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	As notified
Potential for Collapsible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	April 2020	Annually
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Brine Subsidence Solution Area		
Johnson Poole & Bloomer	December 2020	Annual Rolling Updat

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 5 of 7



## **Data Suppliers**

A selection of organisations who provide data within this report

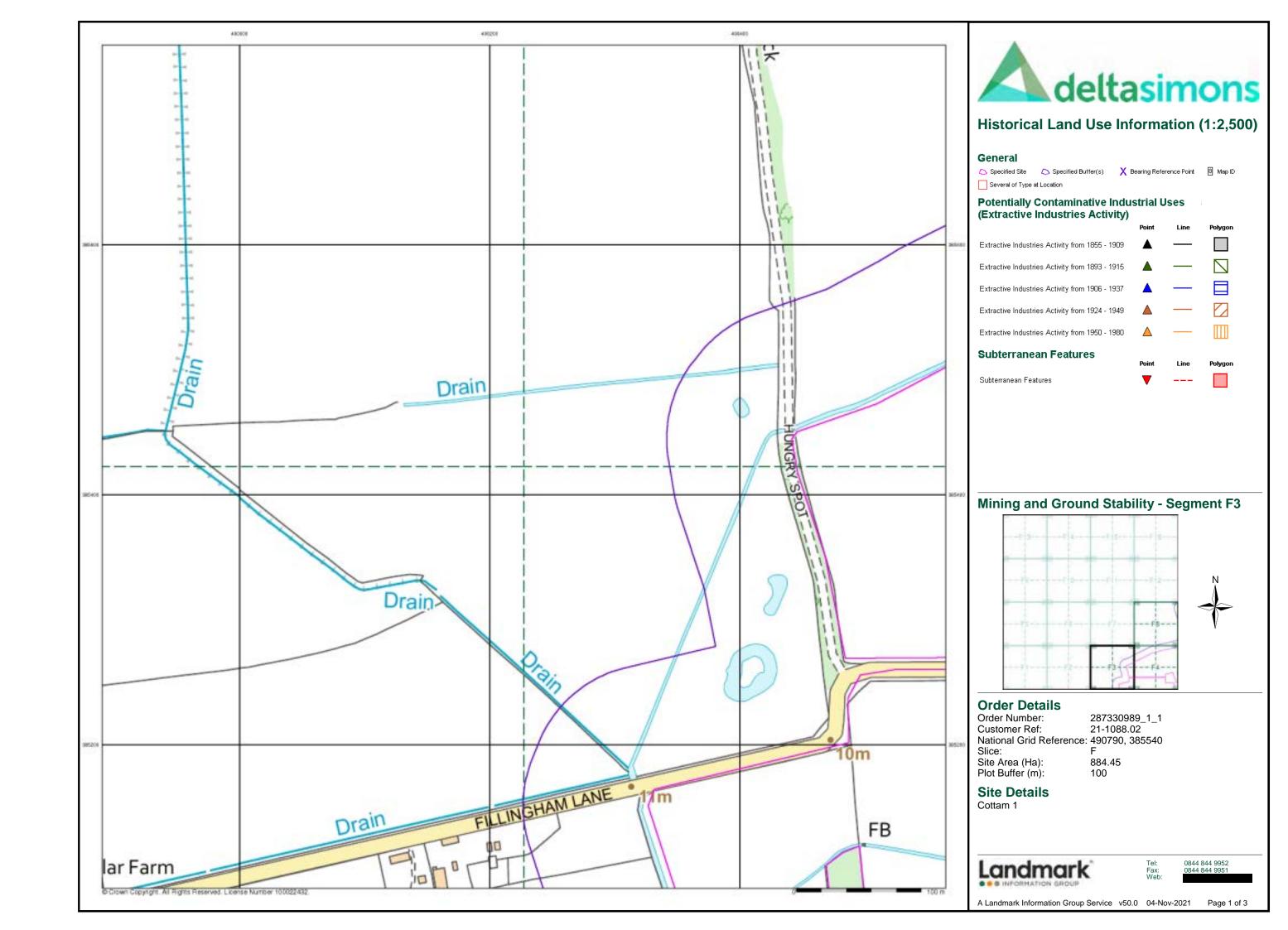
Data Supplier	Data Supplier Logo
Ordnance Survey	Map duta
British Geological Survey	British Geological Survey HATURAL BAYERORMENT REBEASCH COUNCIL
The Coal Authority	The Coal Authority
Ove Arup	ARUP
Stantec UK Ltd	Stantec
Wardell Armstrong	your yearth our world
Johnson Poole & Bloomer	JPB

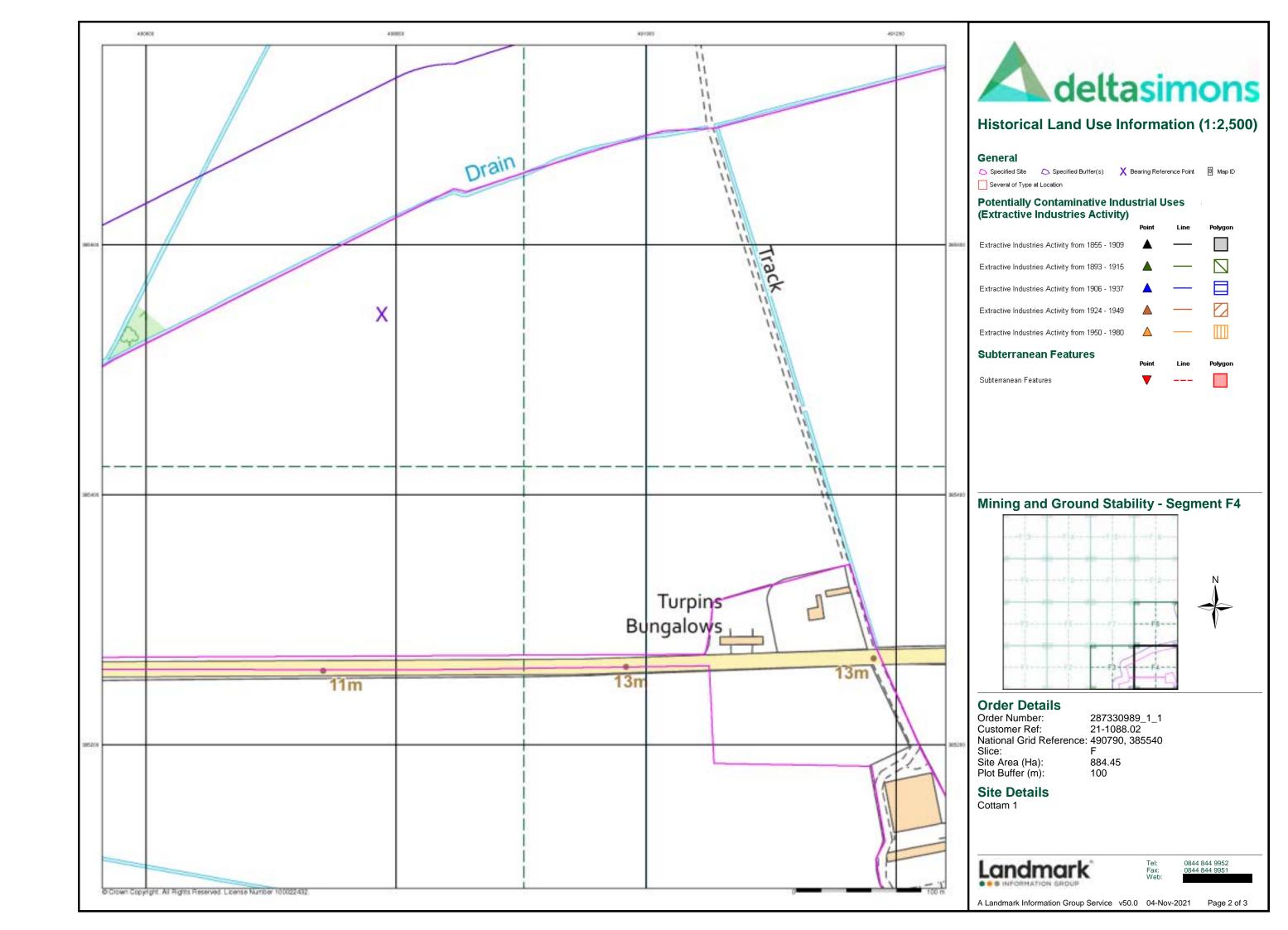


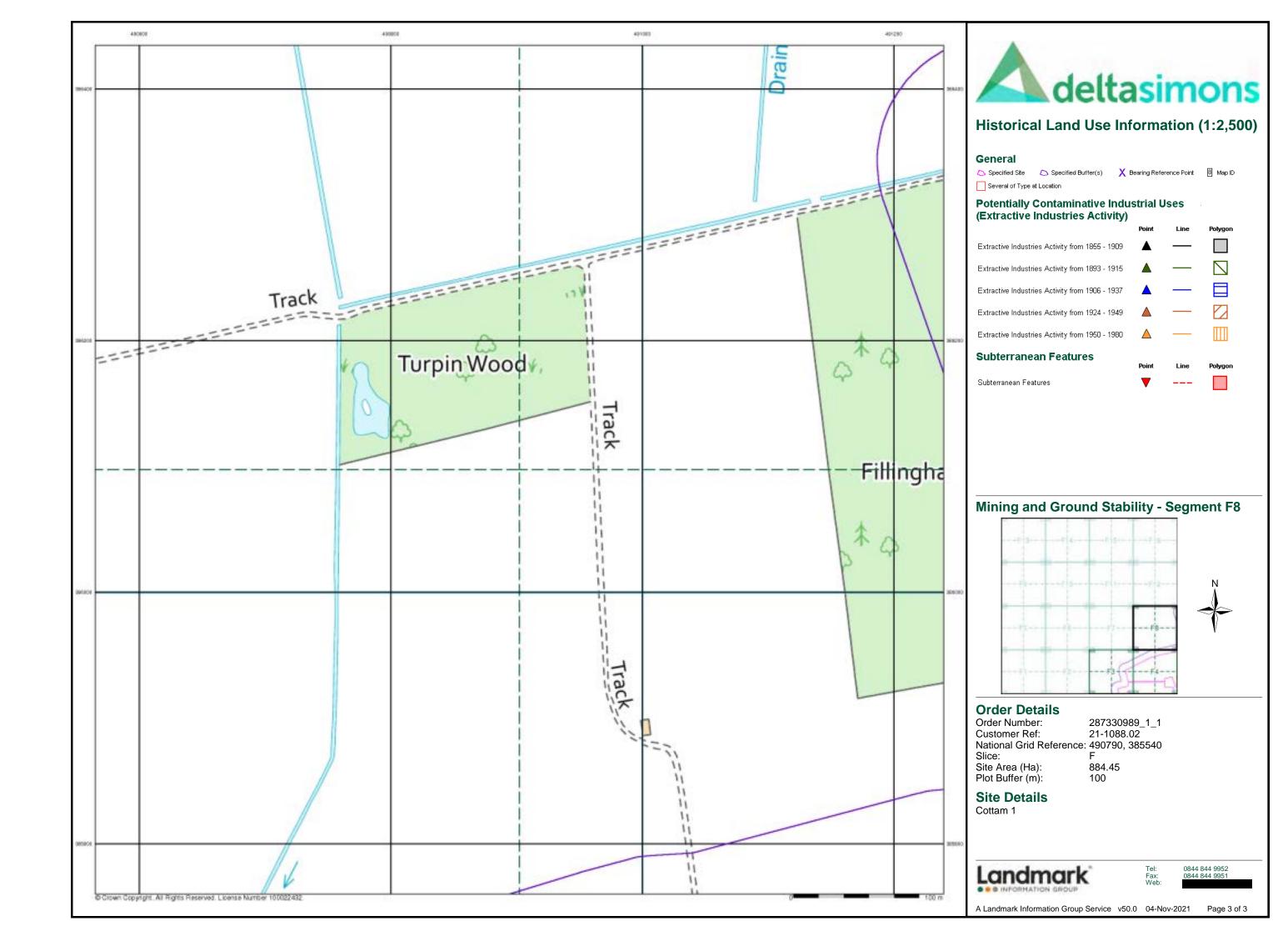
## **Useful Contacts**

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:
-	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:

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 7 of 7







## **Geology 1:50,000 Maps Legends**

### **Superficial Geology**

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	TILMP	Till, Mid Pleistocene	Diamicton	Not Supplied - Cromerian
	RTDU	River Terrace Deposits (Undifferentiated)	Sand and Gravel	Not Supplied - Quaternary

#### **Bedrock and Faults**

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	CHAM	Charmouth Mudstone Formation	Mudstone	Not Supplied - Sinemurian
	SMD	Scunthorpe Mudstone Formation	Mudstone and Limestone, Interbedded	Not Supplied - Rhaetian



### Geology 1:50,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslip deposits, superficial

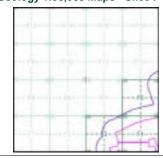
geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

### Geology 1:50,000 Maps Coverage

Map ID: Map Sheet No: Map Name: Market Rasen 1999 Map Date:

Available Superficial Geology: Artificial Geology: Not Available Not Supplied Landslip: Not Available

### Geology 1:50,000 Maps - Slice F





#### **Order Details:**

287330989\_1\_1 21-1088.02 Order Number: Customer Reference: National Grid Reference:

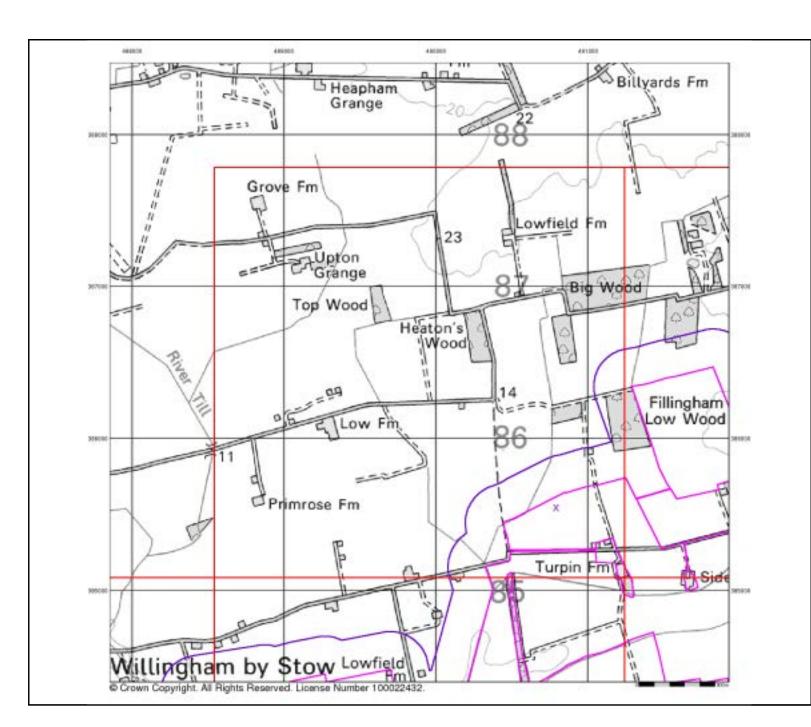
490790, 385540 Site Area (Ha): Search Buffer (m): 884.45

Site Details:

Cottam 1



0844 844 9952 0844 844 9951





#### **Artificial Ground and Landslip**

Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

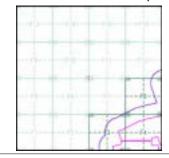
Artificial ground includes:

- Made ground man-made deposits such as embankments and spoil heaps on the natural ground surface.

  - Worked ground - areas where the ground has been cut away such as
- quarries and road cuttings.
- Infilled ground areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground areas where the surface has been reshaped.
   Disturbed ground areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

### Artificial Ground and Landslip Map - Slice F





#### **Order Details:** Order Number:

Customer Reference: National Grid Reference:

490790, 385540 Site Area (Ha): Search Buffer (m): 884.45 250

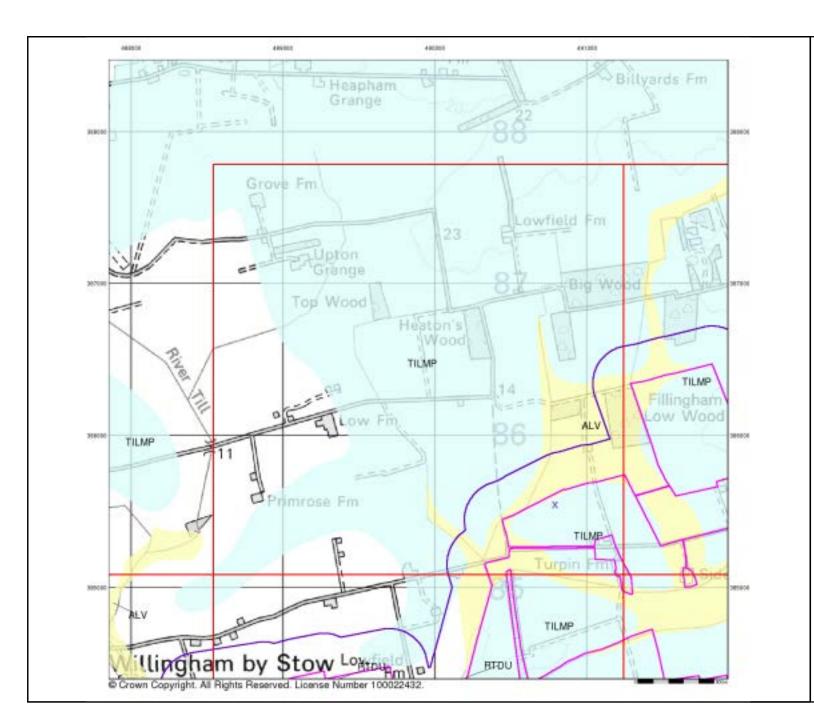
Site Details:

Cottam 1

Landmark

0844 844 9952 0844 844 9951

287330989\_1\_1 21-1088.02





### **Superficial Geology**

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

### Superficial Geology Map - Slice F





## **Order Details:**

Order Number: Customer Reference: National Grid Reference:

Site Area (Ha): Search Buffer (m): 884.45 250

Site Details:

Cottam 1

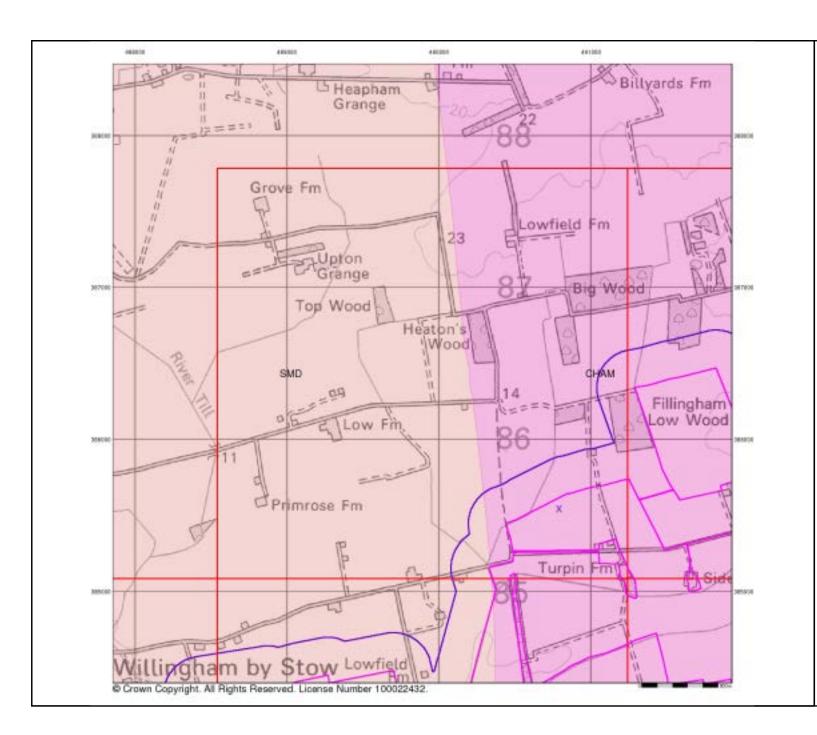


0844 844 9952 0844 844 9951

v15.0 04-Nov-2021

287330989\_1\_1 21-1088.02

490790, 385540





#### **Bedrock and Faults**

Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

### Bedrock and Faults Map - Slice F



287330989\_1\_1 21-1088.02

490790, 385540



## **Order Details:**

Order Number: Customer Reference: National Grid Reference:

Site Area (Ha): Search Buffer (m): 884.45 250

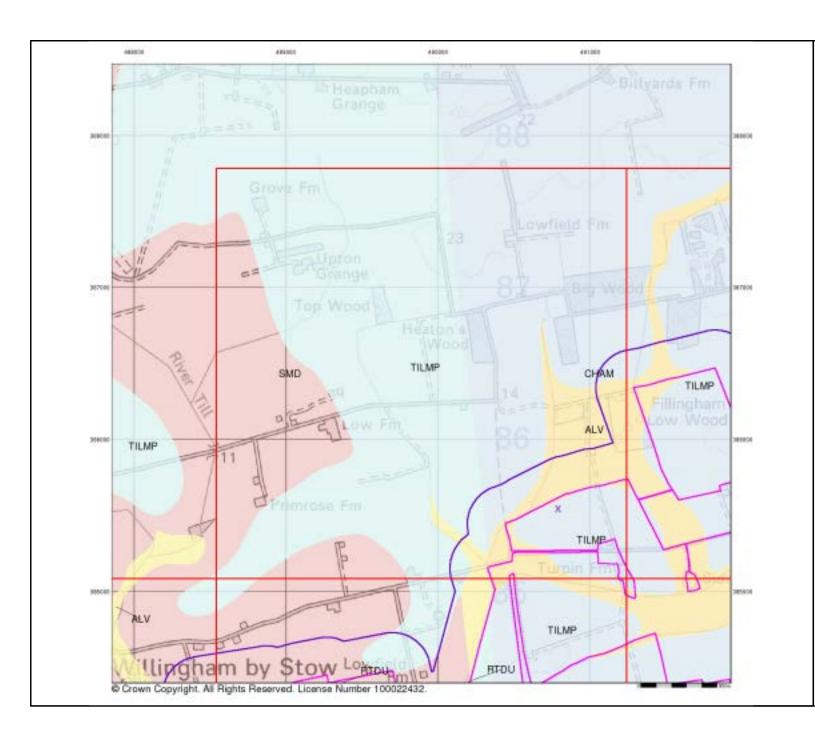
### Site Details:

Cottam 1



0844 844 9952 0844 844 9951

v15.0 04-Nov-2021





### **Combined Surface Geology**

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

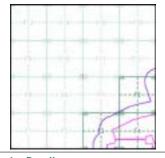
#### Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

#### Contact

British Geological Survey Kingsley Dunham Centre Keyworth Nottingham NG12 5GG Telephone: 0115 936 3143 Fax: 0115 936 3276 email: enquiries@bgs.ac.uk website: www.bgs.ac.uk

### Combined Geology Map - Slice F





## Order Details:

Order Number: Customer Reference: National Grid Reference: Slice: Site Area (Ha): Search Buffer (m):

: 490790, 385540 F 884.45 250

287330989\_1\_1 21-1088.02

Site Details:

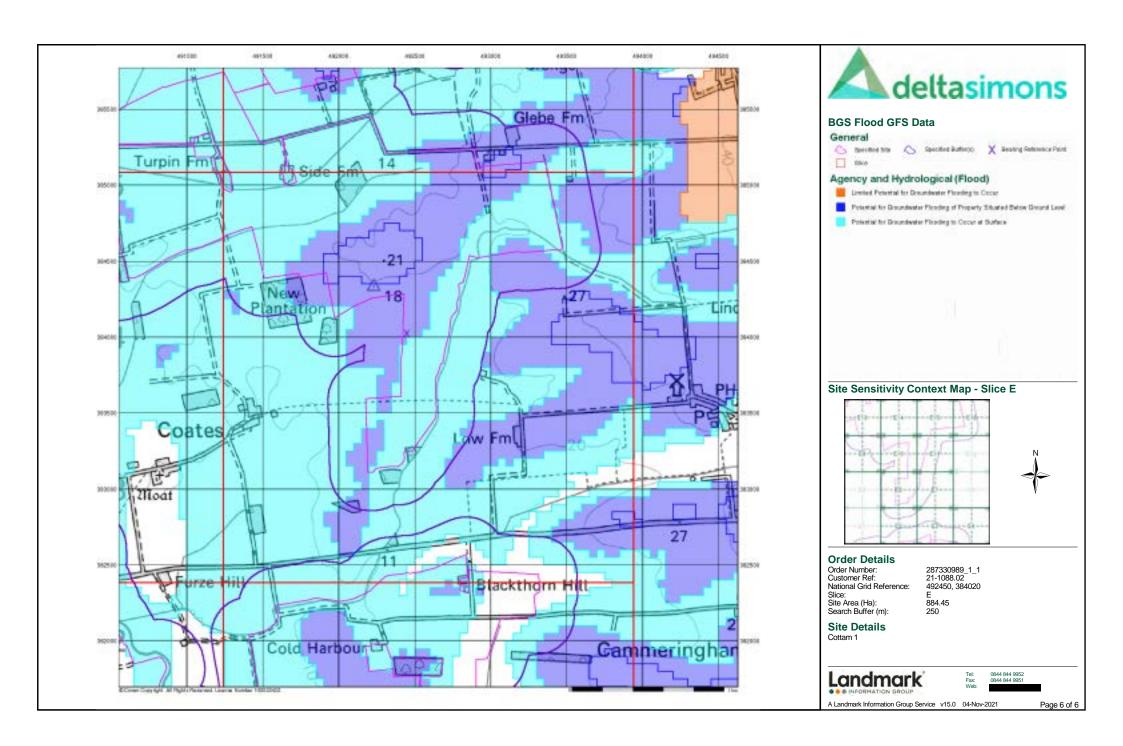
Site Details: Cottam 1

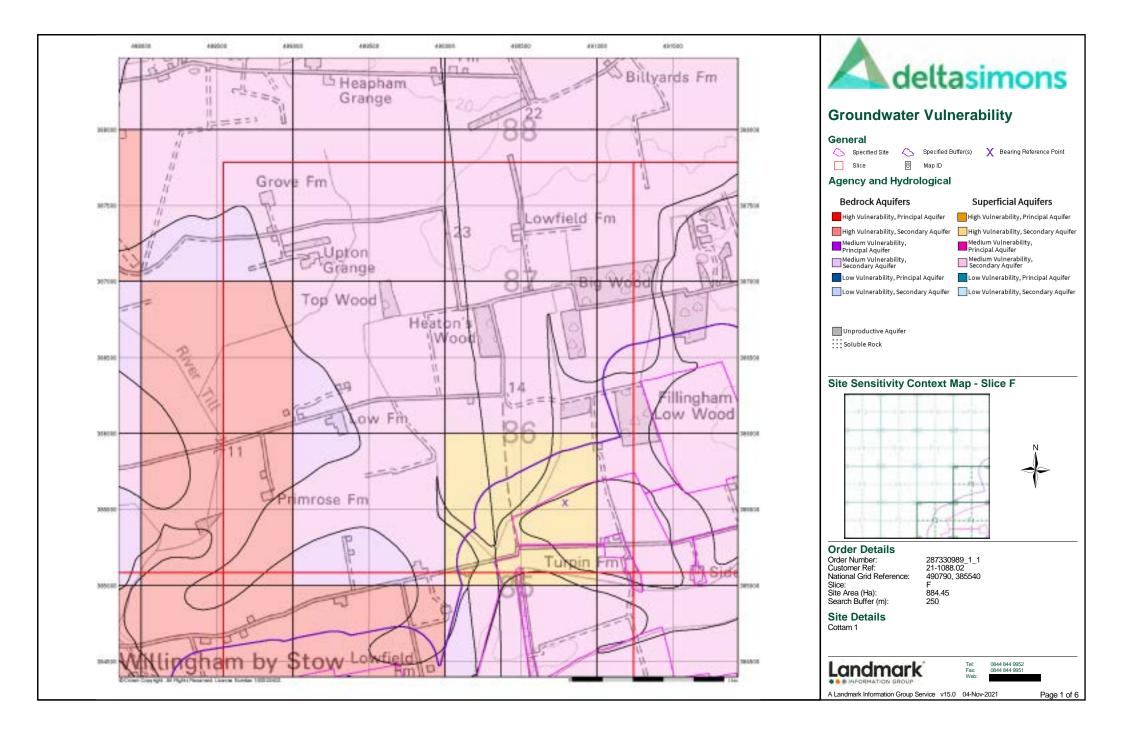
Landmark INFORMATION GROUP

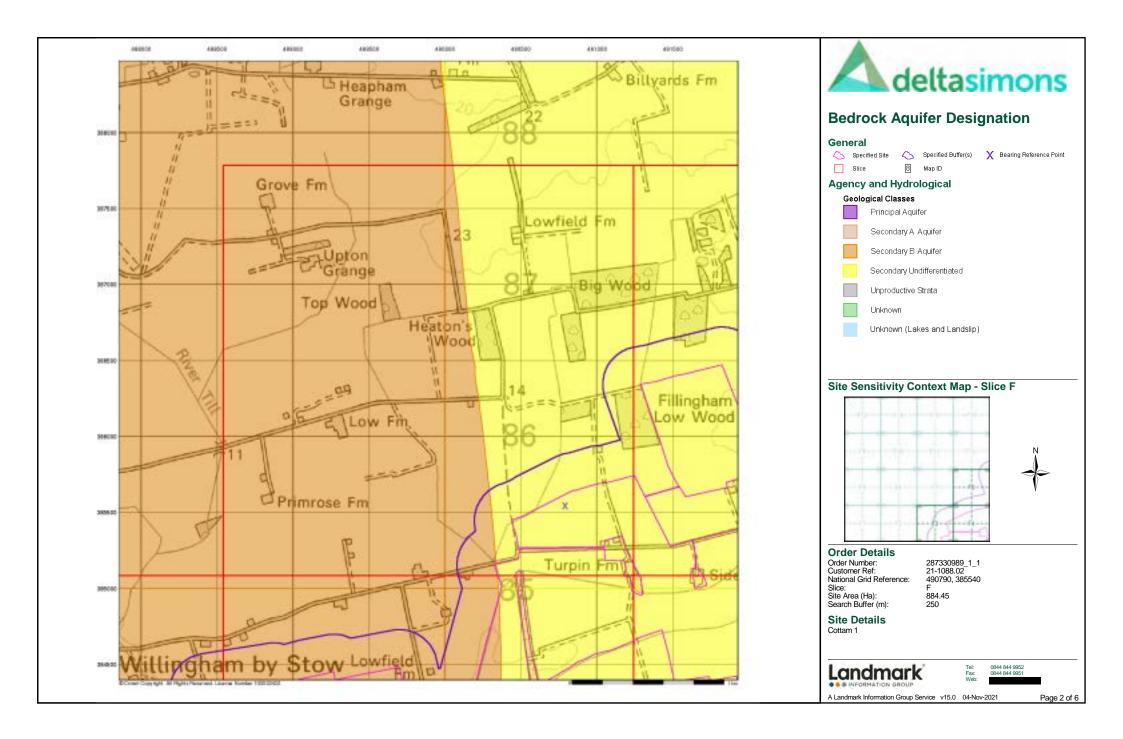
el: 0844 844 9952 ax: 0844 844 9951

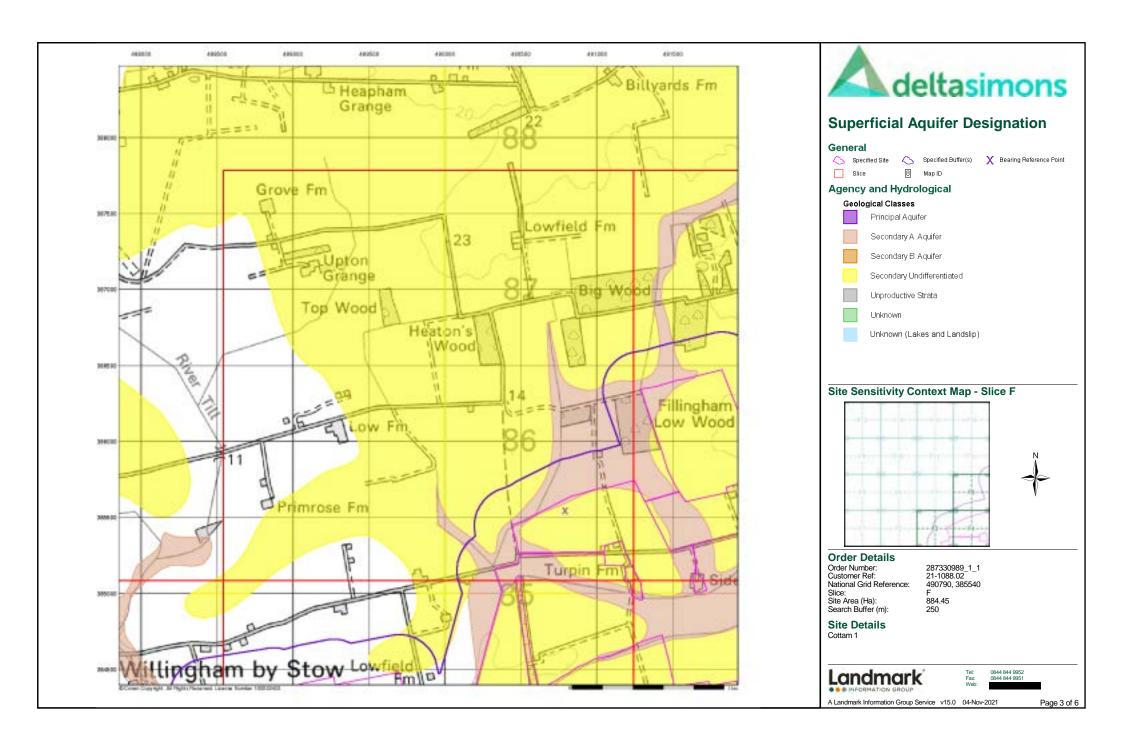
v15.0 04-Nov-2021

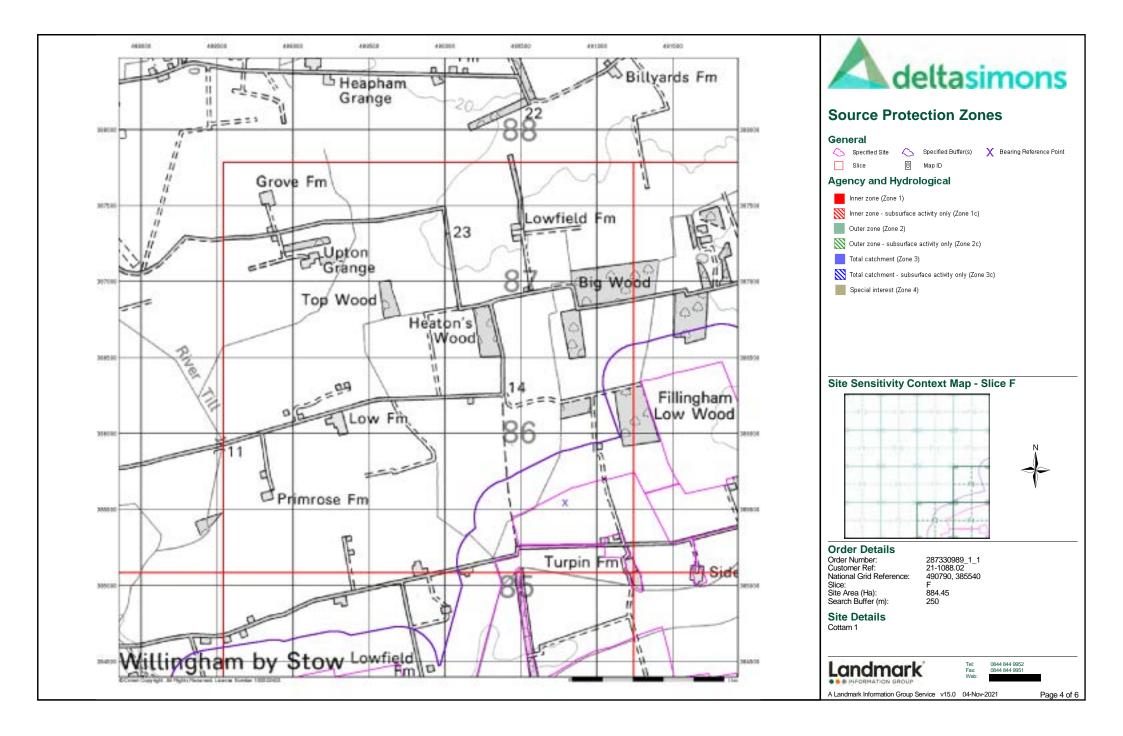
Page 5 of 5

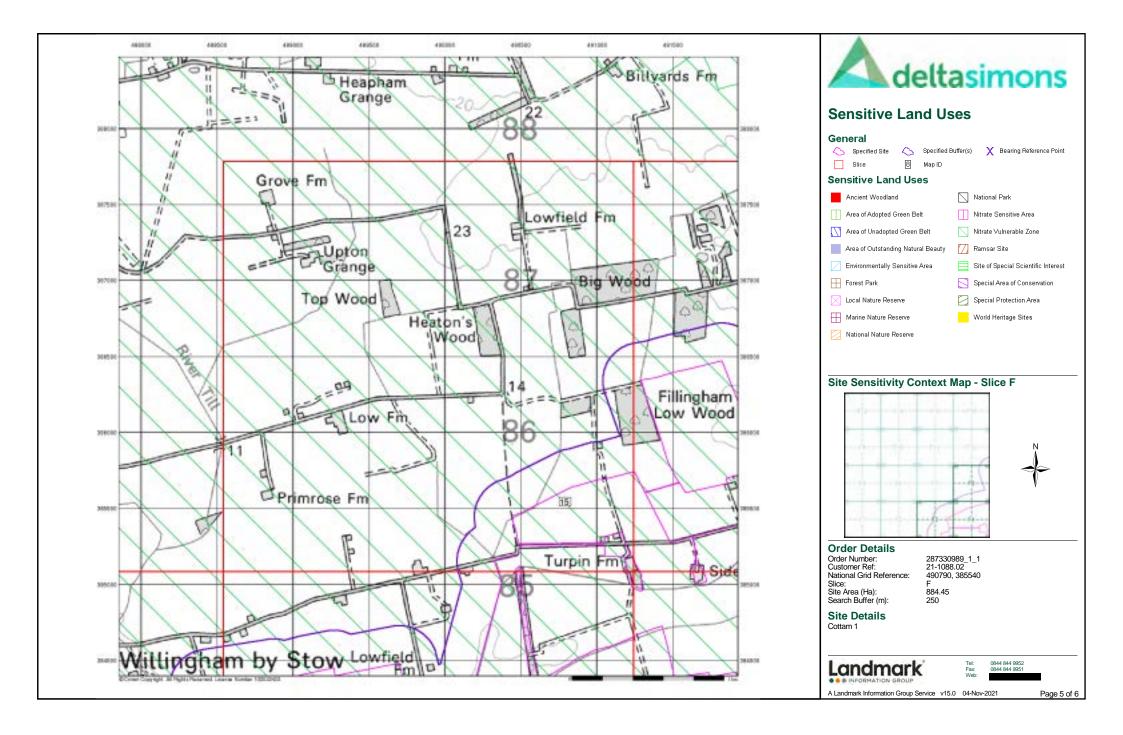


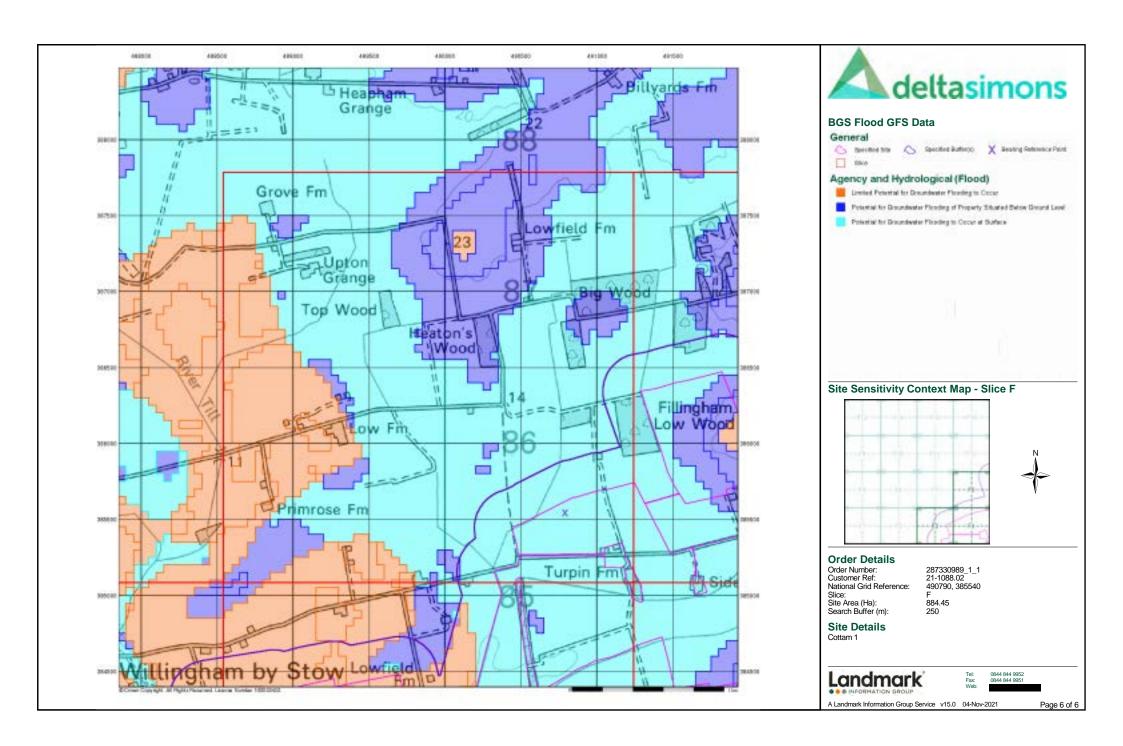














## **Envirocheck® Report:**

## **Datasheet**

## **Order Details:**

Order Number:

287330989\_1\_1

**Customer Reference:** 

21-1088.02

**National Grid Reference:** 

492430, 386010

Slice:

G

Site Area (Ha):

884.45

Search Buffer (m):

250

## **Site Details:**

Cottam 1

## **Client Details:**

Mr A Howells Delta Simons 3 Henley Office Park Doddington Road Lincoln LN6 3QR







Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	13
Hazardous Substances	-
Geological	14
Industrial Land Use	16
Sensitive Land Use	17
Data Currency	18
Data Suppliers	23
Useful Contacts	24

#### 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.

### Copyright Notice

© Landmark Information Group Limited 2021. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, the Environme Agency/Natural Resources Wales and Natural England, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under

Agency/Natural Resolutes waters and Natural England, and mist not be reproduced in whole of in part by protocopying of any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer.

A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report.

© Environment Agency & United Kingdom Research and Innovation 2021. © Natural Resources Wales & United Kingdom Research and Innovation 2021.

### Natural England Copyright Notice

Site of Special Scientific Interest, National Nature Reserve, Ramsar, Special Protection Area, Special Conservation Area, Marine Nature Reserve data (derived from Ordnance Survey 1:10000 raster) is provided by, and used with the permission of, Natural England who retain the copyright and Intellectual Property Rights for the data.

### Scottish Natural Heritage Copyright

Contains SNH information licensed under the Open Government Licence v3.0.

### Ove Arup Copyright Notice

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

### Stantec Copyright Notice

The cavity data presented has been extracted from the PBA (now Stantec UK Ltd) enhanced version of the original DEFRA national cavity databases. Stantec UK Ltd retain the copyright & intellectual property rights in the data. Whilst all reasonable efforts are made to check that the information contained in the cavity databases is accurate we do not warrant that the data is complete or error free. The information is based upon our own researches and those collated from a number of external sources and is continually being augmented and updated by Stantec UK Ltd. In no event shall Stantec UK Ltd or Landmark be liable for any loss or damage including, without limitation, indirect or consequential loss or damage arising from the use of this data.

### Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England.

### **Natural Resources Wales Copyright Notice**

Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Contains Ordnance Survey Data. Ordnance Survey Licence number 100019741. Crown Copyright and Database Right. Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Some features of this information are based on digital spatial data licensed from the Centre for Ecology & Hydrology © NERC (CEH). Defra, Met Office and DARD Rivers Agency © Crown copyright. © Cranfield University. © James Hutton Institute. Contains OS data © Crown copyright and database right 2021. Land & Property Services © Crown copyright and database right.

### Report Version v53.0



Data Type	Page Number	On Site	0 to 250m (*up to 500m)
Agency & Hydrological			
BGS Groundwater Flooding Susceptibility	pg 1	Yes	
Contaminated Land Register Entries and Notices			
Discharge Consents	pg 1		1
Prosecutions Relating to Controlled Waters			n/a
Enforcement and Prohibition Notices			
Integrated Pollution Controls			
Integrated Pollution Prevention And Control			
Local Authority Integrated Pollution Prevention And Control			
Local Authority Pollution Prevention and Controls			
Local Authority Pollution Prevention and Control Enforcements			
Nearest Surface Water Feature		Yes	
Pollution Incidents to Controlled Waters	pg 2		1
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			
Water Industry Act Referrals			
Groundwater Vulnerability Map	pg 2	Yes	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a
Groundwater Vulnerability - Local Information			n/a
Bedrock Aquifer Designations	pg 8	Yes	n/a
Superficial Aquifer Designations	pg 8	Yes	n/a
Source Protection Zones			
Extreme Flooding from Rivers or Sea without Defences	pg 9	Yes	
Flooding from Rivers or Sea without Defences	pg 9	Yes	
Areas Benefiting from Flood Defences			
Flood Water Storage Areas			
Flood Defences			
OS Water Network Lines	pg 9	9	21



Data Type	Page Number	On Site	0 to 250m (*up to 500m)
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
Local Authority Recorded Landfill Sites			
Potentially Infilled Land (Non-Water)			
Potentially Infilled Land (Water)			
Registered Landfill Sites			
Registered Waste Transfer Sites			
Registered Waste Treatment or Disposal Sites			
Hazardous Substances			
Control of Major Accident Hazards Sites (COMAH)			
Explosive Sites			
Notification of Installations Handling Hazardous Substances (NIHHS)			
Planning Hazardous Substance Consents			
Planning Hazardous Substance Enforcements			



Data Type	Page Number	On Site	0 to 250m (*up to 500m)
Geological			
BGS 1:625,000 Solid Geology	pg 14	Yes	n/a
BGS Estimated Soil Chemistry	pg 14	Yes	
BGS Recorded Mineral Sites			
BGS Urban Soil Chemistry			
BGS Urban Soil Chemistry Averages			
CBSCB Compensation District			n/a
Coal Mining Affected Areas			n/a
Mining Instability			n/a
Man-Made Mining Cavities			
Natural Cavities			
Non Coal Mining Areas of Great Britain			
Potential for Collapsible Ground Stability Hazards	pg 15	Yes	
Potential for Compressible Ground Stability Hazards	pg 15	Yes	
Potential for Ground Dissolution Stability Hazards			
Potential for Landslide Ground Stability Hazards	pg 15	Yes	
Potential for Running Sand Ground Stability Hazards	pg 15	Yes	
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 15	Yes	
Radon Potential - Radon Affected Areas			n/a
Radon Potential - Radon Protection Measures			n/a
Industrial Land Use			
Contemporary Trade Directory Entries			
Fuel Station Entries			
Points of Interest - Commercial Services			
Points of Interest - Education and Health			
Points of Interest - Manufacturing and Production	pg 16		2
Points of Interest - Public Infrastructure			
Points of Interest - Recreational and Environmental			
Gas Pipelines			
Underground Electrical Cables			



Data Type	Page Number	On Site	0 to 250m (*up to 500m)
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 17	1	
Ramsar Sites			
Sites of Special Scientific Interest			
Special Areas of Conservation			
Special Protection Areas			
World Heritage Sites			



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater I Flooding Type:	Flooding Susceptibility  Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	0	1	493100 384650
	<b>BGS Groundwater I</b> Flooding Type:	Flooding Susceptibility  Potential for Groundwater Flooding of Property Situated Below Ground Level	G6SE (SW)	0	1	492434 386011
	<b>BGS Groundwater I</b> Flooding Type:	Flooding Susceptibility Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	1	492400 384750
	BGS Groundwater I Flooding Type:	Flooding Susceptibility Potential for Groundwater Flooding of Property Situated Below Ground Level	G11SE (NE)	0	1	493000 386450
	BGS Groundwater I Flooding Type:	Flooding Susceptibility Potential for Groundwater Flooding of Property Situated Below Ground Level	G7SE (E)	0	1	492950 386000
	BGS Groundwater I Flooding Type:	Flooding Susceptibility Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	0	1	493450
	BGS Groundwater I Flooding Type:	Flooding Susceptibility  Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	1	385000 492550 385000
	BGS Groundwater I Flooding Type:	Flooding Susceptibility Limited Potential for Groundwater Flooding to Occur	G6NE (N)	0	1	385000 492400 386200
	BGS Groundwater I Flooding Type:	Flooding Susceptibility Potential for Groundwater Flooding of Property Situated Below Ground Level	G6SE (S)	0	1	492434 386000
	BGS Groundwater I Flooding Type:	Flooding Susceptibility Potential for Groundwater Flooding of Property Situated Below Ground Level	G3SE (SE)	0	1	493000 385200
	BGS Groundwater I Flooding Type:	Flooding Susceptibility Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	1	490650 384850
	BGS Groundwater I Flooding Type:	Flooding Susceptibility Limited Potential for Groundwater Flooding to Occur	G6SW (W)	0	1	492000 386050
	BGS Groundwater I Flooding Type:	Flooding Susceptibility Potential for Groundwater Flooding to Occur at Surface	G6SE (SW)	0	1	492350 385900
	BGS Groundwater I Flooding Type:	Flooding Susceptibility Potential for Groundwater Flooding to Occur at Surface	G4SW (SE)	0	1	493300 385150
	BGS Groundwater I Flooding Type:	Flooding Susceptibility Potential for Groundwater Flooding to Occur at Surface	(S)	0	1	492434 385000
	BGS Groundwater I Flooding Type:	Flooding Susceptibility Potential for Groundwater Flooding of Property Situated Below Ground Level	G7NE (E)	0	1	493100 386100
1	Discharge Consents Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water: Status: Positional Accuracy:	Simon Skelton Domestic Property (Single) North Farm, Fillingham Willingham Road, Fillingham, Gainsborough, Lincolnshire, Dn21 5bj Environment Agency, Anglian Region River Till Prnnf12935 1 7th July 2003 15th July 2003 Not Supplied Sewage Discharges - Final/Treated Effluent - Not Water Company Freshwater Stream/River Unnamed Trib Of River Till New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Located by supplier to within 10m	G2NW (SW)	71	2	491920 385630
	Nearest Surface Wa	,	G2SE (S)	0	-	492309 385208

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Pollution Incidents	to Controlled Waters				
2	Property Type: Location: Authority: Pollutant: Note: Incident Date: Incident Reference: Catchment Area: Receiving Water: Cause of Incident: Incident Severity:	Other General Premises Lincoln District Environment Agency, Anglian Region Chlorinated Water Witham 19th April 1994 1883 Not Given Freshwater Stream/River Poor Operational Practice Category 1 - Major Incident Located by supplier to within 100m	G9SE (NW)	82	2	491600 386500
	Groundwater Vulne	rability Map				
	Combined Classification: Combined Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index: Superficial Patchiness: Superficial Thickness: Superficial Recharge:	Secondary Superficial Aquifer - Medium Vulnerability  Medium  Productive Bedrock Aquifer, Productive Superficial Aquifer Low  Well Connected Fractures <300 mm/year 40-70% <90%  <3m  Low	(SW)	0	3	491000 384962
	Groundwater Vulne	• •				
	Combined Classification: Combined Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index: Superficial Patchiness: Superficial Thickness: Superficial Recharge:  Groundwater Vulne Combined Classification: Combined Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution:	Secondary Superficial Aquifer - Medium Vulnerability  Medium  Productive Bedrock Aquifer, Productive Superficial Aquifer Low Poorly Connected Fractures <300 mm/year	(SW)	0	3	491000 385000 491545 385000
	Baseflow Index: Superficial Patchiness: Superficial Thickness: Superficial Recharge:	40-70% >90% 3-10m Low				
	Groundwater Vulne					
	Combined Classification: Combined Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index: Superficial Patchiness: Superficial Thickness: Superficial Recharge:	Secondary Superficial Aquifer - Medium Vulnerability  Medium  Productive Bedrock Aquifer, Productive Superficial Aquifer Low Poorly Connected Fractures <300 mm/year 40-70% >90%  3-10m  Low	(S)	0	3	492000 384818



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined	Secondary Superficial Aquifer - High Vulnerability	(W)	0	3	491000
	Classification: Combined	High				385682
	Vulnerability: Combined Aquifer:	Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	High Well Connected Fractures				
	Dilution:	<300 mm/year				
	Baseflow Index:	40-70%				
	Superficial Patchiness:	>90%				
	Superficial	<3m				
	Thickness:					
	Superficial	Low				
	Recharge:					
	Groundwater Vulne	erability Map				
	Combined	Secondary Superficial Aquifer - High Vulnerability	(SW)	0	3	490883
	Classification:	TR. I				385000
	Combined Vulnerability:	High				
	Combined Aquifer:	Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed:	High				
	Bedrock Flow:	Well Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial	>90%				
	Patchiness:					
	Superficial Thickness:	<3m				
	Superficial	Low				
	Recharge:					
	Groundwater Vulne	erability Map				
	Combined	Secondary Superficial Aquifer - High Vulnerability	(W)	0	3	491000
	Classification:					386000
	Combined	High				
	Vulnerability: Combined Aquifer:	Productive Bedrock Aguifer, Productive Superficial Aguifer				
	Pollutant Speed:	High				
	Bedrock Flow:	Well Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial	>90%				
	Patchiness:					
	Superficial Thickness:	<3m				
	Superficial	Low				
	Recharge:					
	Groundwater Vulne	erability Map				
	Combined	Secondary Superficial Aguifer - Medium Vulnerability	G1NW	0	3	491451
	Classification:		(SW)	-	-	385445
	Combined	Medium				
	Vulnerability: Combined Aquifer:	Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed:	Low				
	Bedrock Flow:	Poorly Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial	40-70% >90%				
	Patchiness:					
	Superficial	3-10m				
	Thickness: Superficial	High				
	Recharge:	High				



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	G6SW (W)	0	3	492000 386000
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial Patchiness:	40-70% >90%				
	Superficial Thickness:	3-10m				
	Superficial Recharge:	High				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	G2SW (SW)	0	3	492000 385247
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed: Bedrock Flow:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Poorly Connected Fractures				
	Dilution: Baseflow Index:	<ul><li>40-70%</li></ul>				
	Superficial Patchiness:	>90%				
	Superficial Thickness:	3-10m				
	Superficial Recharge:	High				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	(SW)	0	3	491320 385000
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed: Bedrock Flow:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Poorly Connected Fractures				
	Dilution: Baseflow Index:	40-70%				
	Superficial Patchiness:	>90%				
	Superficial Thickness:	3-10m				
	Superficial Recharge:	High				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	G7SW (E)	0	3	492818 385945
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed: Bedrock Flow:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Peorly Connected Fractures				
	Dilution: Baseflow Index:	Poorly Connected Fractures <300 mm/year 40-70%				
	Superficial Patchiness:	>90%				
	Superficial Thickness:	3-10m				
	Superficial Recharge:	High				



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	G6SE (S)	0	3	492434 386000
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index: Superficial Patchiness:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Poorly Connected Fractures <300 mm/year 40-70% >90%				
	Superficial Thickness: Superficial Recharge:	3-10m High				
	Groundwater Vulne	erability Map				
	Combined Classification: Combined	Secondary Superficial Aquifer - Medium Vulnerability  Medium	G7SW (E)	0	3	492829 386000
	Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index: Superficial Patchiness:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Poorly Connected Fractures <300 mm/year 40-70% >90%				
	Superficial Thickness: Superficial	>10m Low				
	Recharge:					
	Groundwater Vulne	erability Map				
	Combined Classification: Combined Vulnerability: Combined Aquifer:	Secondary Superficial Aquifer - Medium Vulnerability  Medium  Productive Bedrock Aquifer, Productive Superficial Aquifer	G6SE (SW)	0	3	492434 386011
	Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index: Superficial	Poorly Connected Fractures <300 mm/year 40-70% >90%				
	Patchiness: Superficial Thickness: Superficial Recharge:	>10m Low				
	-	such life. Man				
	Groundwater Vulne Combined	erability Map Secondary Superficial Aquifer - Medium Vulnerability	G7SW	0	3	492741
	Classification: Combined Vulnerability:	Medium	(E)			386000
	Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index: Superficial Patchiness: Superficial	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Poorly Connected Fractures <300 mm/year 40-70% >90%				
	Thickness: Superficial Recharge:	Low				



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	G7SE (E)	0	3	493000 386011
	Combined Vulnerability:	Medium	(=)			
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% >90%				
	Patchiness:					
	Superficial Thickness:	>10m				
	Superficial Recharge:	High				
	Groundwater Vulne	• •	04:::=	_	_	405
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	G11NE (NE)	0	3	493000 386898
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% · >90%				
	Patchiness: Superficial	>10m				
	Thickness: Superficial	High				
	Recharge:	<u> </u>				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	G11SE (NE)	0	3	493000 386766
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% >90%				
	Patchiness: Superficial	>10m				
	Thickness: Superficial	High				
	Recharge:	Tigi				
	Groundwater Vulne	• •	0005			40000
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	G6SE (S)	0	3	492361 385770
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% · >90%				
	Patchiness: Superficial	3-10m				
	Thickness: Superficial	High				
	Recharge:	•				



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	G7SE (E)	0	3	493000 386000
	Combined Vulnerability:	Medium	(=)			
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow:	Poorly Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial Patchiness:	>90%				
	Superficial Thickness:	3-10m				
	Superficial Recharge:	No Data				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	G6SW (W)	0	3	492000 386011
	Combined Vulnerability:	Medium	(**)			300011
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Bedrock Flow:	Low Poorly Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial Patchiness:	>90%				
	Superficial Thickness:	3-10m				
	Superficial Recharge:	High				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	(SW)	0	3	492000 385000
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow:	Poorly Connected Fractures <300 mm/year				
	Baseflow Index:	40-70%				
	Superficial Patchiness:	>90%				
	Superficial Thickness:	3-10m				
	Superficial Recharge:	Low				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	(S)	0	3	492434 385000
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow:	Poorly Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial Patchiness:	>90%				
	Superficial Thickness:	3-10m				
	Superficial Recharge:	No Data				



ap O		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined	Secondary Superficial Aquifer - Medium Vulnerability	(S)	0	3	492227
	Classification:					385000
	Combined	Medium				
	Vulnerability:					
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow:	Poorly Connected Fractures				
	Dilution:	<300 mm/year				
	Baseflow Index:	40-70%				
	Superficial	>90%				
	Patchiness: Superficial	3-10m				
	Thickness:	3-1011				
	Superficial	No Data				
	Recharge:					
	Groundwater Vulne	erahility Man				
		•	(05)		0	400000
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	(SE)	0	3	493000 385000
	Combined	Medium				303000
	Vulnerability:					
	Combined Aquifer:	Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed:	Low				
	Bedrock Flow:	Poorly Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial	40-70% >90%				
	Patchiness:					
	Superficial	3-10m				
	Thickness:					
	Superficial	High				
	Recharge:					
	Groundwater Vulne	erability Map				
	Combined	Secondary Superficial Aquifer - Medium Vulnerability	G5NE	0	3	491659
	Classification:	, , , , , , , , , , , , , , , , , , , ,	(NW)			386434
	Combined	Medium				
	Vulnerability:					
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow:	Poorly Connected Fractures				
	Dilution:	<300 mm/year				
	Baseflow Index:	40-70%				
	Superficial	>90%				
	Patchiness:	2.40				
	Superficial Thickness:	3-10m				
	Superficial	High				
	Recharge:	r ngri				
		erability - Soluble Rock Risk				
	None					
	Bedrock Aquifer De	esignations				
	Aquifer Designation:	Secondary Aquifer - Undifferentiated	(S)	0	3	492434
						385000
	Bedrock Aquifer De	esignations				
	Aquifer Designation:	Secondary Aquifer - Undifferentiated	G6SE	0	3	492434
			(SW)			386011
	Superficial Aquifer	Designations				
	Aquifer Designation:	Secondary Aquifer - Undifferentiated	(S)	0	3	492434
		· ·	, ,			385000
	Superficial Aquifer	Designations				
	= =	Secondary Aquifer - Undifferentiated	G7SW	0	3	492818
			(E)			385945
	Superficial Aquifer	Designations				
	= =	Secondary Aquifer - Undifferentiated	(SW)	0	3	490883
	quo. Doorgilation.		(5**)		Ü	385000
	Superficial Aquifer	Designations				
		_	G6SE		2	492434
	Aquilei Designation:	Secondary Aquifer - Undifferentiated	(SW)	0	3	386011
	Suporficial Aif	Designations	(000)			33001
	Superficial Aquifer		<u> </u>		_	
	Aquiter Designation:	Secondary Aquifer - Undifferentiated	G11NE	0	3	492994
			(NE)	I		386902
	Superficial Aquifer	Designations Secondary Aquifer - Undifferentiated				



Order Number: 287330989\_1\_1

# **Agency & Hydrological**

Page 9 of 24

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	G1NW (SW)	0	3	491451 385445
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(S)	0	3	492227 385000
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	G6SE (S)	0	3	492361 385770
	Extreme Flooding from Rivers or Sea without Defences  Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	G2NE (S)	0	2	492515 385690
	Flooding from Rivers or Sea without Defences  Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	G2NE (S)	0	2	492515 385685
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
3	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	G11SE (NE)	0	4	493059 386736
4	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 5.7  Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	G11SE (NE)	0	4	493107 386736
5	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 712.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	G11SE (NE)	0	4	493116 386723
6	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 936.7  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	G7SW (E)	0	4	492799 385911
7	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 669.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	G2SE (S)	0	4	492553 385093
8	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 2066.4  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	G2NW (S)	0	4	492211 385447



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 704.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	G1NW (SW)	0	4	491382 385469
10	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 10.1 Watercourse Level: Underground True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	G2NW (S)	0	4	492219 385454
11	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	G2SE (S)	0	4	492309 385208
12	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 173.9  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	G11SE (NE)	2	4	493059 386736
13	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 211.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	(SE)	3	4	493385 385061
14	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 93.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	G10SE (N)	5	4	492578 386662
15	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 232.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	G2NE (S)	5	4	492392 385608
16	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 305.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	G11SW (N)	6	4	492666 386677
17	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	G5NW (W)	9	4	491282 386350



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 380.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	G12SW (NE)	12	4	493422 386637
	OS Water Network Lines				
19	Watercourse Form: Inland river Watercourse Length: 611.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	G8NE (E)	14	4	493603 386297
20	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 220.0  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	G8NE (E)	14	4	493603 386297
21	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 410.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	G6SE (W)	87	4	492263 385948
22	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 325.8  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	G11NW (NE)	162	4	492870 386873
23	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 127.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	G11NW (NE)	162	4	492870 386873
24	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 11.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	G11NE (NE)	171	4	492995 386898
25	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 3.3  Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	G4SW (SE)	173	4	493542 385143
26	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 171.8  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	G4SW (SE)	176	4	493545 385145



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 9.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	G7SW (SE)	209	4	492772 385808
28	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 78.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	G7SW (SE)	218	4	492770 385799
29	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 10.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	G2NE (S)	221	4	492340 385737
30	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 129.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	G2NE (S)	223	4	492344 385728
31	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 325.7  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	G8NE (E)	224	4	493723 386115
32	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 381.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	G2NE (S)	235	4	492534 385673

Order Number: 287330989\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service



## **Waste**

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage				
	Name: West Lindsey District Council - Has no landfill data to supply		0	5	492434 386011
	Local Authority Landfill Coverage				
	Name: Lincolnshire County Council - Had landfill data but passed it to the relevant environment agency		0	6	492434 386011





lap ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid	i Geology				
	Description:	Lias Group	G6SE (SW)	0	1	492434 386011
	BGS Estimated Soil Source: Soil Sample Type:	British Geological Survey, National Geoscience Information Service Rural Soil	G6SE (SW)	0	1	492434 386011
	Arsenic Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel	<1.8 mg/kg <1.8 mg/kg 60 - 90 mg/kg <100 mg/kg 15 - 30 mg/kg				
	Concentration:					
	Source: Soil Sample Type: Arsenic	Chemistry British Geological Survey, National Geoscience Information Service Rural Soil <15 mg/kg	G6SE (S)	0	1	492434 386000
	Concentration: Cadmium Concentration:	<1.8 mg/kg				
	Chromium Concentration: Lead Concentration: Nickel Concentration:	90 - 120 mg/kg <100 mg/kg 15 - 30 mg/kg				
	BGS Estimated Soil	Chemistry				
	Source: Soil Sample Type: Arsenic Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil <15 mg/kg	G7SW (E)	0	1	492818 385945
	Cadmium Concentration: Chromium Concentration:	<1.8 mg/kg 90 - 120 mg/kg				
	Lead Concentration: Nickel Concentration:	<100 mg/kg 15 - 30 mg/kg				
	BGS Estimated Soil	Chemistry				
	Source: Soil Sample Type: Arsenic Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg	G7SE (E)	0	1	493000 386011
	Cadmium Concentration:	<1.8 mg/kg				
	Chromium Concentration: Lead Concentration:	90 - 120 mg/kg				
	Nickel Concentration:	15 - 30 mg/kg				
	BGS Estimated Soil	Chemistry				
	Source: Soil Sample Type: Arsenic Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg	G11NE (NE)	0	1	493000 386898
	Cadmium Concentration: Chromium	<1.8 mg/kg 90 - 120 mg/kg				
	Concentration: Lead Concentration: Nickel Concentration:					
	BGS Measured Urba No data available	an Soil Chemistry				
	BGS Urban Soil Che No data available	emistry Averages				
	Coal Mining Affecte	d Areas not be affected by coal mining				
		· · · · · · · · · · · · · · · · · · ·				
	Non Coal Mining Are No Hazard	eas of Great Britain				



# **Geological**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Collap	sible Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	G6SE (S)	0	1	492361 385770
	Potential for Collap	sible Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	G1NW (SW)	0	1	491451 385445
	Potential for Collap	sible Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	G6SE (SW)	0	1	492434 386011
	Potential for Comp	ressible Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	G1NW (SW)	0	1	491451 385445
	Potential for Comp	ressible Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	G6SE (SW)	0	1	492434 386011
	Potential for Comp	ressible Ground Stability Hazards				
	Hazard Potential: Source:	Moderate British Geological Survey, National Geoscience Information Service	G6SE (S)	0	1	492361 385770
	Potential for Groun	d Dissolution Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	G6SE (SW)	0	1	492434 386011
	Potential for Lands	lide Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	G6SE (SW)	0	1	492434 386011
	Potential for Runni	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	G1NW (SW)	0	1	491451 385445
	Potential for Runni	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	G7SW (E)	0	1	492818 385945
	Potential for Runni	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	G6SE (SW)	0	1	492434 386011
	Potential for Runni	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	G6SE (S)	0	1	492361 385770
	Potential for Shrink	ing or Swelling Clay Ground Stability Hazards				
	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	G6SE (SW)	0	1	492434 386011
	Potential for Shrink	ing or Swelling Clay Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	G6SE (S)	0	1	492361 385770
	Radon Potential - R	adon Affected Areas				
	Affected Area: Source:	The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level).  British Geological Survey, National Geoscience Information Service	G6SE (SW)	0	1	492434 386011
		adon Protection Measures  No radon protective measures are necessary in the construction of new	G6SE	0	1	492434



## **Industrial Land Use**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Points of Interest - I	Manufacturing and Production				
33	Class Code:	Tank DN21 Industrial Features Tanks (Generic) Positioned to an adjacent address or location	G1NE (SW)	13	7	491863 385651
	Points of Interest - I	Manufacturing and Production				
33	Class Code:	Tanks DN21 Industrial Features Tanks (Generic) Positioned to an adjacent address or location	G2NW (SW)	46	7	491915 385668



## **Sensitive Land Use**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	Nitrate Vulnerable Name: Description: Source:	e Zones  Lower Witham Nvz Surface Water Environment Agency, Head Office	G6SE (SW)	0	3	492434 386011



Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Environment Agency - Head Office	June 2020	Annually
West Lindsey District Council - Environmental Health Department	September 2017	Annual Rolling Update
Discharge Consents		
Environment Agency - Anglian Region	July 2021	Quarterly
Environment Agency - Midlands Region	July 2021	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 2021	Quarterly
Local Authority Integrated Pollution Prevention And Control		
West Lindsey District Council - Environmental Health Department	November 2014	Variable
Local Authority Pollution Prevention and Controls		
West Lindsey District Council - Environmental Health Department	November 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
West Lindsey District Council - Environmental Health Department	November 2014	Variable
Nearest Surface Water Feature		
Ordnance Survey	August 2021	
Pollution Incidents to Controlled Waters		
Environment Agency - Midlands Region	December 1999	
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	Annually
River Quality	Guile 2010	7 timedily
Environment Agency - Head Office	November 2001	Not Applicable
	14040111501 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	April 2012	Annually
	April 2012	Aillidally
River Quality Chemistry Sampling Points Environment Agency - Head Office	April 2012	Annually
<u> </u>	April 2012	Annually
Substantiated Pollution Incident Register	h.h. 2024	O. contonic
Environment Agency - Anglian Region - Northern Area	July 2021	Quarterly
Water Abstractions		
Environment Agency - Anglian Region Environment Agency - Midlands Region	July 2021 July 2021	Quarterly Quarterly
	July 2021	Quarterly
Water Industry Act Referrals	Oatob == 0047	Ou out and a
Environment Agency - Anglian Region	October 2017	Quarterly
Groundwater Vulnerability Map	hara 2040	A = CC = -1
Environment Agency - Head Office	June 2018	As notified
Groundwater Vulnerability - Soluble Rock Risk		
Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations		
Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations		
Environment Agency - Head Office	January 2018	Annually



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



Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	November 2002	Not Applicable
Historical Landfill Sites		
Environment Agency - Head Office	May 2021	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - Anglian Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - Anglian Region - Northern Area	July 2021	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - Anglian Region - Northern Area	July 2021	Quarterly
Local Authority Landfill Coverage		
Lincolnshire County Council	February 2003	Not Applicable
West Lindsey District Council - Environmental Health Department	February 2003	Not Applicable
Local Authority Recorded Landfill Sites		
Lincolnshire County Council	October 2018	
West Lindsey District Council - Environmental Health Department	October 2018	
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water)		
Landmark Information Group Limited	December 1999	
Registered Landfill Sites		
Environment Agency - Anglian Region - Northern Area	March 2006	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - Anglian Region - Northern Area	April 2018	
Registered Waste Treatment or Disposal Sites		
Environment Agency - Anglian Region - Northern Area	June 2015	
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites	·	
Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements	3	
Lincolnshire County Council - Highways and Planning Department	August 2010	Variable
West Lindsey District Council	February 2016	Variable
Planning Hazardous Substance Consents	,	
Lincolnshire County Council - Highways and Planning Department	August 2007	Variable
West Lindsey District Council	February 2016	Variable



Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology	J	Not Applicable
British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry		
British Geological Survey - National Geoscience Information Service	December 2015	Annually
BGS Recorded Mineral Sites		
British Geological Survey - National Geoscience Information Service	May 2021	Bi-Annually
CBSCB Compensation District		
Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	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	Annually
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards	·	•
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas		
British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures		
British Geological Survey - National Geoscience Information Service	July 2011	Annually
	54.9 25	7
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries		
Thomson Directories	July 2021	Quarterly
Fuel Station Entries		
Catalist Ltd - Experian	August 2021	Quarterly
Gas Pipelines		
National Grid	October 2021	Annually
Points of Interest - Commercial Services		
PointX	September 2021	Quarterly
Points of Interest - Education and Health		
PointX	September 2021	Quarterly
Points of Interest - Manufacturing and Production		
PointX	September 2021	Quarterly
Points of Interest - Public Infrastructure		
PointX	September 2021	Quarterly
Points of Interest - Recreational and Environmental		
PointX	September 2021	Quarterly
Underground Electrical Cables	,	<u> </u>
		1



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

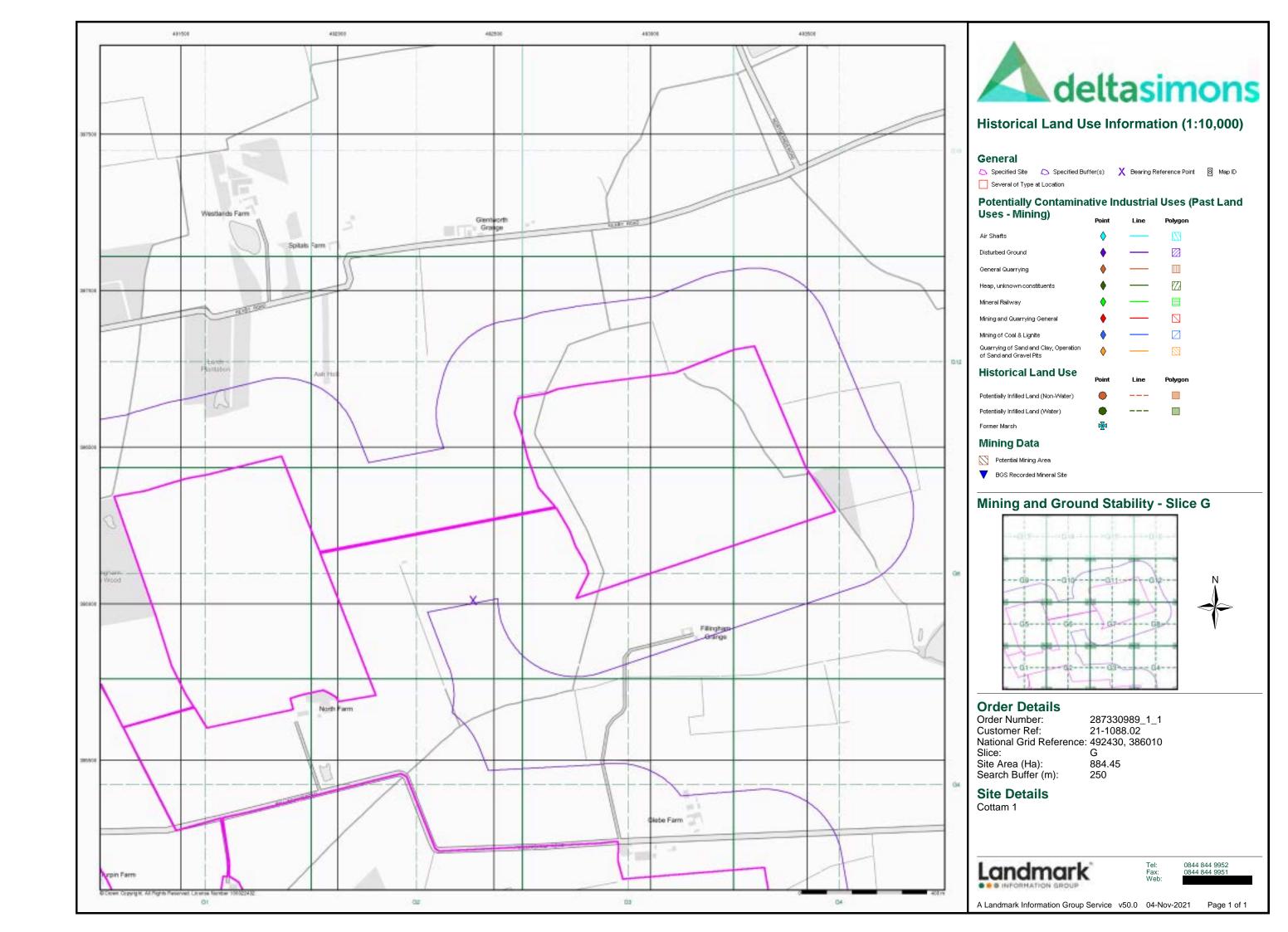
Data Supplier	Data Supplier Logo
Ordnance Survey	Map data
Environment Agency	Environment Agency
Scottish Environment Protection Agency	SEPA
The Coal Authority	The Coal Authority
British Geological Survey	British Geological Survey HATURAL ENVIRONMENT REMARCH COUNCIL
Centre for Ecology and Hydrology	Centre for Ecology & Hydrology
Natural Resources Wales	Cyloeth Naturiol Office Matural Resources Walks
Scottish Natural Heritage	SCOTTISH NATURAL HERITAGE WAN
Natural England	BNG.AND
Public Health England	Public Health England
Ove Arup	ARUP
Stantec UK Ltd	<b>Stantec</b>

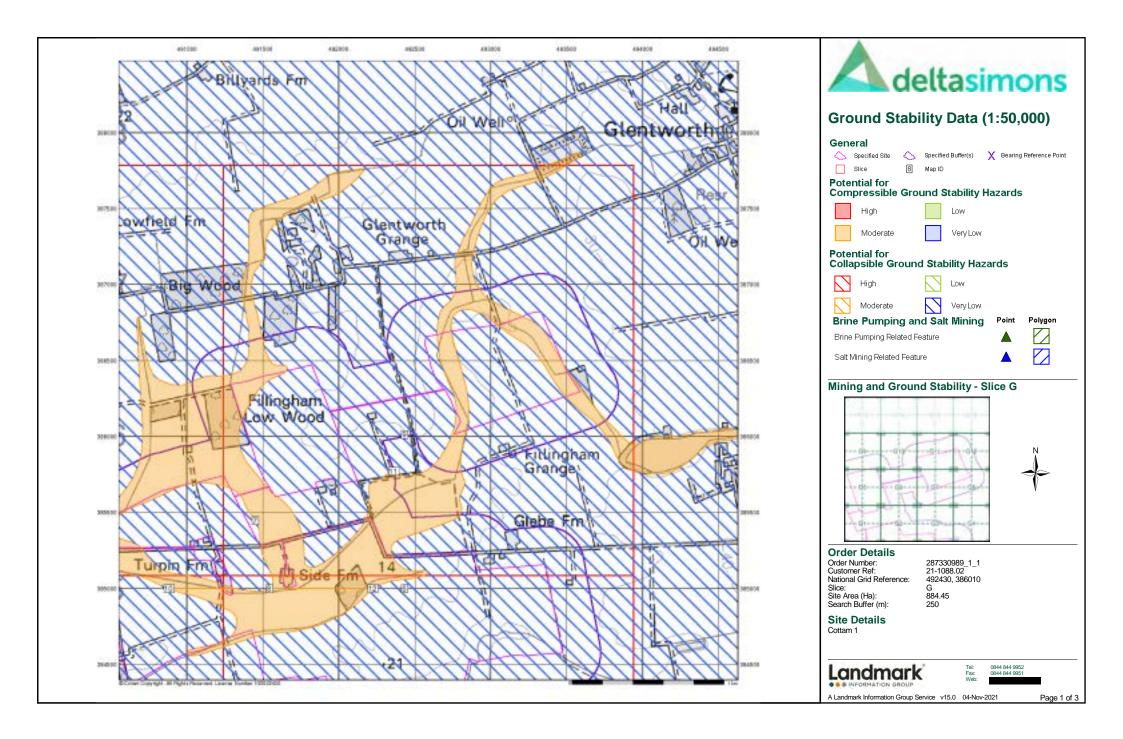


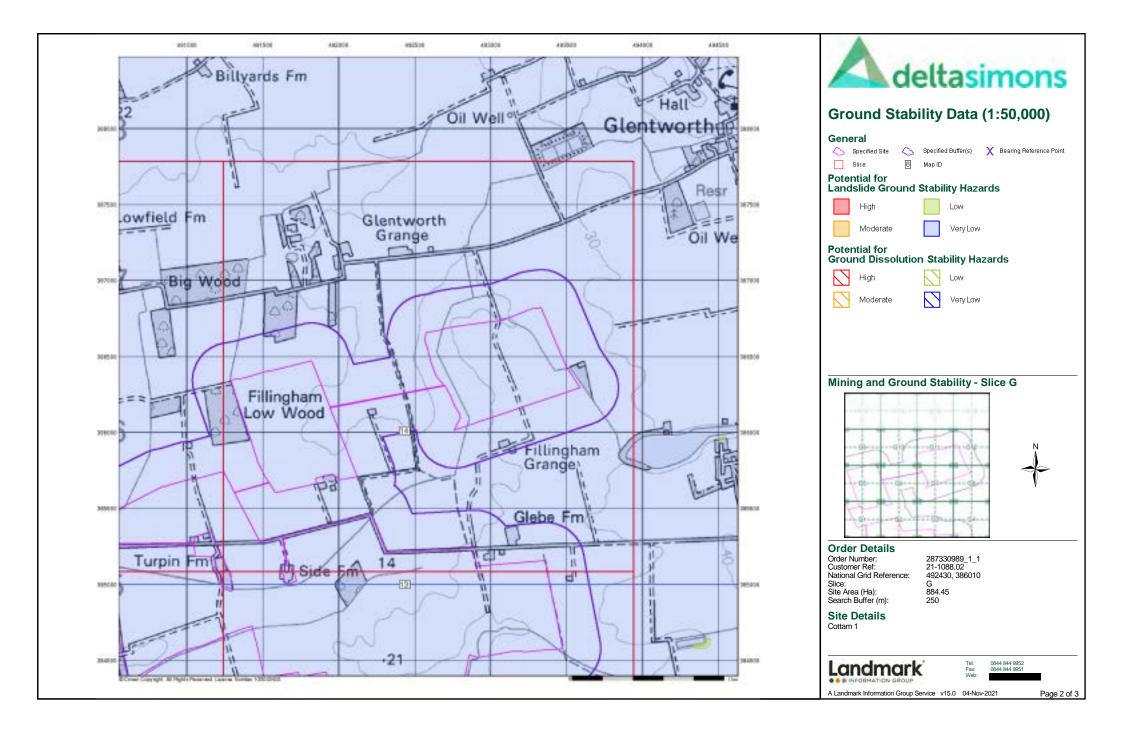
## **Useful Contacts**

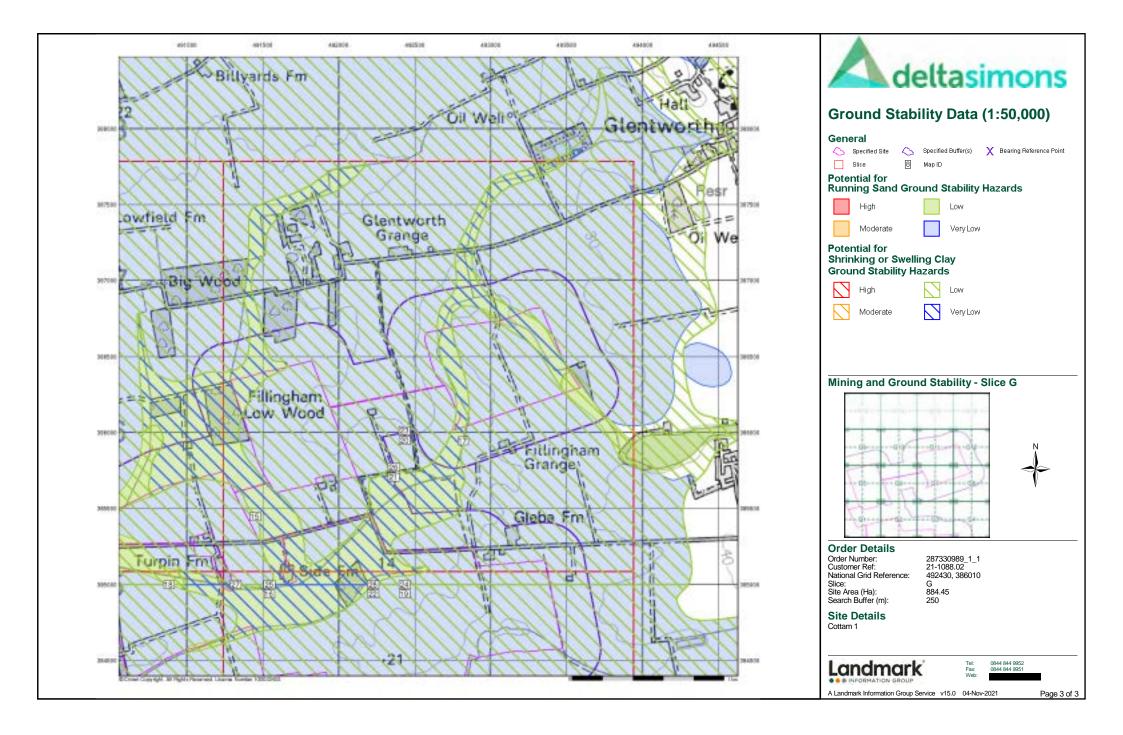
Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service  British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website:
2	Environment Agency - National 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	West Lindsey District Council - Environmental Health Department The Guildhall, Caskgate Street, Gainsborough, Lincolnshire, DN21 2DH	Telephone: 01427 676676 Fax: 01427 810623 Website: www.west-lindsey.gov.uk
6	Lincolnshire County Council 4th Floor, City Hall, Lincoln, Lincolnshire, LN1 1DN	Telephone: 01522 552222 Fax: 01522 552288 Email: PublicRelations@lincolnshire.gov.uk Website: www.lincolnshire.gov.uk
7	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website:
-	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:
-	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:

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











## **Envirocheck® Report:**

# Mining and Ground Stability Datasheet

## **Order Details:**

**Order Number:** 

287330989\_1\_1

**Customer Reference:** 

21-1088.02

**National Grid Reference:** 

492430, 386010

Slice:

C

Site Area (Ha):

884.45

Search Buffer (m):

250

## **Site Details:**

Cottam 1

## **Client Details:**

Mr A Howells
Delta Simons
3 Henley Office Park
Doddington Road
Lincoln
LN6 3QR







Report Secti	on and Details	Page Number
Summary		-

The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected.

For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).

#### **Mining and Natural Cavities Data**

-

The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities.

Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.

#### Historical Land Use Information (1:2,500)

1

The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative.

For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.

#### **Historical Land Use Information (1:10,000)**

-

The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses.

For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.

#### **Ground Stability Data (1:50,000)**

2

The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.

## Historical Map List 4

The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.

Data Currency	6
Data Suppliers	7
Useful Contacts	8

#### Copyright Notice

© Landmark Information Group Limited 2021. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, and the Environment Agency/Natural Resources Wales, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer. A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report.

© Copyright Stantec UK Limited. All rights reserved.

The brine subsidence data relating to the Driotwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

Report Version v53.0





Data Type	Page Number	On Site	0 to 250m
Mining and Natural Cavities Data			
BGS Recorded Mineral Sites			
Coal Mining Affected Areas			n/a
Man Made Mining Cavities			
Mining Instability			n/a
Natural Cavities			
Non Coal Mining Areas of Great Britain			
Potential Mining Areas			
Historical Land Use Information (1:2,500)			
Extractive Industries or Potential Excavations from 1855-1909 (100m)			
Extractive Industries or Potential Excavations from 1893-1915 (100m)			
Extractive Industries or Potential Excavations from 1906-1937 (100m)			
Extractive Industries or Potential Excavations from 1924-1949 (100m)			
Extractive Industries or Potential Excavations from 1950-1980 (100m)	pg 1	2	3
Subterranean Features (100m)			
Historical Land Use Information (1:10,000)			
Air Shafts			
Disturbed Ground			
General Quarrying			
Heap, unknown constituents			
Mineral Railway			
Mining & quarrying general			
Mining of coal & lignite			
Quarrying of sand & clay, operation of sand & gravel pits			
Former Marshes			
Potentially Infilled Land (Non-Water)			
Potentially Infilled Land (Water)			
Ground Stability Data (1:50,000)			
CBSCB Compensation District			n/a
Brine Pumping Related Features			
Brine Subsidence Solution Area			
Potential for Collapsible Ground Stability Hazards	pg 2	Yes	
Potential for Compressible Ground Stability Hazards	pg 2	Yes	
Potential for Ground Dissolution Stability Hazards	pg 2	Yes	
Potential for Landslide Ground Stability Hazards	pg 2	Yes	
Potential for Running Sand Ground Stability Hazards	pg 2	Yes	
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 3	Yes	
Salt Mining Related Features			





Report Version v53.0



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extractive Industries or Potential Excavations from 1950-1980				
1	Use: Pond First Map Published 1974 Date: Last Map Published N/A Date:	G5SE (W)	0	-	491809 385934
	Extractive Industries or Potential Excavations from 1950-1980				
2	Use: Pond First Map Published 1974 Date: Last Map Published N/A Date:	G1SE (SW)	0	-	491620 385205
	Extractive Industries or Potential Excavations from 1950-1980				
3	Use: Pond First Map Published 1974 Date: Last Map Published N/A Date:	G7NW (NE)	11	-	492684 386280
	Extractive Industries or Potential Excavations from 1950-1980				
4	Use: Pond First Map Published 1974 Date: Last Map Published N/A Date:	G3SE (SE)	34	-	492933 385222
	Extractive Industries or Potential Excavations from 1950-1980				
5	Use: Pond First Map Published 1974 Date: Last Map Published N/A Date:	G2NW (SW)	35	-	491955 385455

rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Order Number: 287330989\_1\_1 Date: 04-Nov-2021 Page 1 of 8



# **Ground Stability Data (1:50,000)**

/lap ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District  The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area				
	The site does not fall within the brine subsidence solution area.				
	Potential for Collapsible Ground Stability Hazards				
6	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(S)	0	1	492434 385000
	Potential for Collapsible Ground Stability Hazards				
7	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	G1NW (SW)	0	1	491451 385445
	Potential for Collapsible Ground Stability Hazards				
8	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(SW)	0	1	491545 385000
	Potential for Collapsible Ground Stability Hazards				
9	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	G6SE (SW)	0	1	492434 386011
	Potential for Collapsible Ground Stability Hazards				
10	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(SW)	0	1	490883 385000
	Potential for Collapsible Ground Stability Hazards				
	Hazard Potential: No Hazard	G6SE	0	1	492361
	Source: British Geological Survey, National Geoscience Information Service  Potential for Collapsible Ground Stability Hazards	(S)			385770
	Hazard Potential: No Hazard	(S)	0	1	492227
	Source: British Geological Survey, National Geoscience Information Service	. ,			385000
	Potential for Compressible Ground Stability Hazards		_		
11	Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	G6SE (S)	0	1	492361 385770
	Potential for Compressible Ground Stability Hazards				
12	Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	(S)	0	1	492227 385000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard	(6)	0	1	492434
	Source: British Geological Survey, National Geoscience Information Service	(S)	0	1	385000
	Potential for Compressible Ground Stability Hazards				
	Hazard Potential: No Hazard Source: No Hazard British Geological Survey, National Geoscience Information Service	G1NW (SW)	0	1	491451 385445
	Potential for Compressible Ground Stability Hazards	(011)			000110
	Hazard Potential: No Hazard	(SW)	0	1	491545
	Source: British Geological Survey, National Geoscience Information Service				385000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard	G6SE	0	1	492434
	Source: British Geological Survey, National Geoscience Information Service	(SW)			386011
	Potential for Compressible Ground Stability Hazards				
	Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(SW)	0	1	490883 385000
	Potential for Ground Dissolution Stability Hazards				
	Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	G6SE (SW)	0	1	492434 386011
	Potential for Ground Dissolution Stability Hazards	(/			
	Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(S)	0	1	492434 385000
	Potential for Landslide Ground Stability Hazards				
13	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(S)	0	1	492434 385000
	Potential for Landslide Ground Stability Hazards				
14	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	G6SE (SW)	0	1	492434 386011
	Potential for Running Sand Ground Stability Hazards				



# **Ground Stability Data (1:50,000)**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Runn	ing Sand Ground Stability Hazards				
16	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	(SW)	0	1	491545 385000
	Potential for Runn	ing Sand Ground Stability Hazards				
17	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	G7SW (E)	0	1	492818 385945
	Potential for Runn	ing Sand Ground Stability Hazards				
18	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	(SW)	0	1	490883 385000
	Potential for Runn	ing Sand Ground Stability Hazards				
19	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	(S)	0	1	492434 385000
	Potential for Runn	ing Sand Ground Stability Hazards				
20	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	G6SE (SW)	0	1	492434 386011
	Potential for Runn	ing Sand Ground Stability Hazards				
21	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	G6SE (S)	0	1	492361 385770
	Potential for Runn	ing Sand Ground Stability Hazards				
22	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	(S)	0	1	492227 385000
	Potential for Runn	ing Sand Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	(SE)	0	1	494227 384918
	Potential for Shrin	king or Swelling Clay Ground Stability Hazards				
23	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	G6SE (SW)	0	1	492434 386011
	Potential for Shrin	king or Swelling Clay Ground Stability Hazards				
24	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	(S)	0	1	492434 385000
	Potential for Shrin	king or Swelling Clay Ground Stability Hazards				
25	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	(SW)	0	1	491545 385000
	Potential for Shrin	king or Swelling Clay Ground Stability Hazards				
26	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	G6SE (S)	0	1	492361 385770
	Potential for Shrin	king or Swelling Clay Ground Stability Hazards				
27	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	(SW)	0	1	491320 385000
	Potential for Shrin	king or Swelling Clay Ground Stability Hazards				
28	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	(S)	0	1	492227 385000



# **Historical Map List**

## The following mapping has been analysed for Historical Land Use Information (1:2,500):

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	SK9185	1974
Ordnance Survey Plan	SK9185	1974
Ordnance Survey Plan	SK9185	1974
Ordnance Survey Plan	SK9185	1974
Ordnance Survey Plan	SK9186	1974
Ordnance Survey Plan	SK9186	1974
Ordnance Survey Plan	SK9186	1974
Ordnance Survey Plan	SK9186	1974
Ordnance Survey Plan	SK9187	1974
Ordnance Survey Plan	SK9187	1974
Ordnance Survey Plan	SK9285	1974
Ordnance Survey Plan	SK9285	1974
Ordnance Survey Plan	SK9285	1974
Ordnance Survey Plan	SK9285	1974
Ordnance Survey Plan	SK9286	1974
Ordnance Survey Plan	SK9286	1974
Ordnance Survey Plan	SK9286	1974
Ordnance Survey Plan	SK9286	1974
Ordnance Survey Plan	SK9287	1974
Ordnance Survey Plan	SK9287	1974
Ordnance Survey Plan	SK9385	1974
Ordnance Survey Plan	SK9385	1974
Ordnance Survey Plan	SK9385	1974
Ordnance Survey Plan	SK9385	1974
Ordnance Survey Plan	SK9386	1974
Ordnance Survey Plan	SK9386	1974
Ordnance Survey Plan	SK9386	1974
Ordnance Survey Plan	SK9386	1974
Ordnance Survey Plan	SK9387	1974
Ordnance Survey Plan	SK9387	1974



# **Historical Map List**

## The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Lincolnshire	043_SE	1891
Lincolnshire	044_SW	1891
Lincolnshire	051_NE	1891
Lincolnshire	052_NW	1891
Lincolnshire	043_SE	1907
Lincolnshire	044_SW	1907
Lincolnshire	051_NE	1907
Lincolnshire	052_NW	1907
Lincolnshire	043_SE	1947
Lincolnshire	044_SW	1947
Lincolnshire	051_NE	1947
Lincolnshire	052_NW	1947
Ordnance Survey Plan	SK98NW	1956
1:10,000	Mapsheet	Published Date
Ordnance Survey Plan	SK98NW	1979



Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites		
British Geological Survey - National Geoscience Information Service	May 2021	Bi-Annually
Coal Mining Affected Areas		
The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Man Made Mining Cavities		
Stantec UK Ltd	May 2021	Bi-Annually
Mining Instability		
Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities		
Stantec UK Ltd	May 2021	Bi-Annually
Non Coal Mining Areas of Great Britain		
British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	Version	Update Cycle
Subterranean Features		
Landmark Information Group Limited	February 2020	Bi-Annually
Ground Stability Data (1:50,000)	Version	Update Cycle
CBSCB Compensation District		
Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	As notified
Potential for Collapsible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	April 2020	Annually
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
Potential for Shrinking or Swelling Clay Ground Stability Hazards  British Geological Survey - National Geoscience Information Service	January 2019	Annually
	January 2019	Annually



# **Data Suppliers**

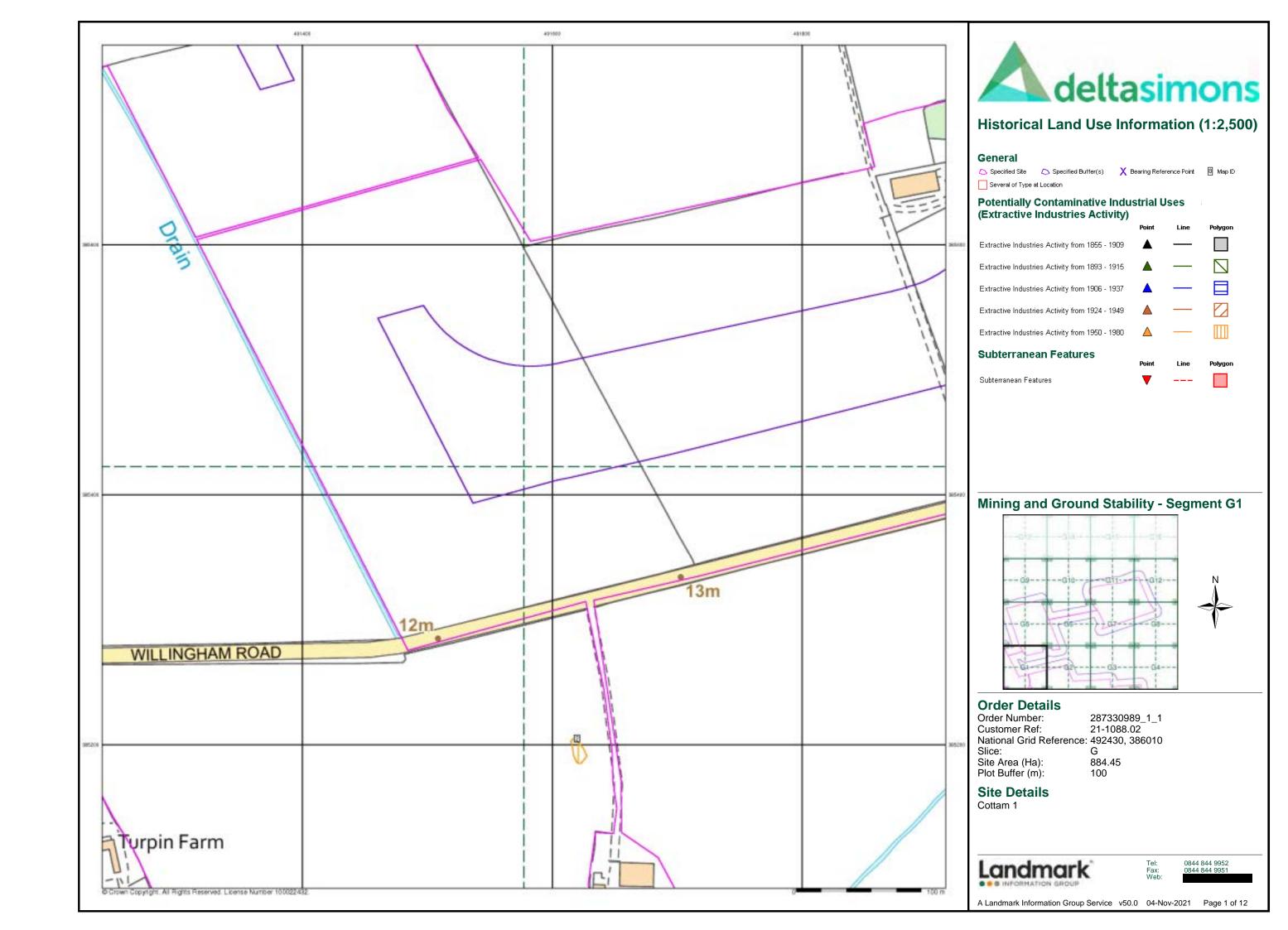
A selection of organisations who provide data within this report

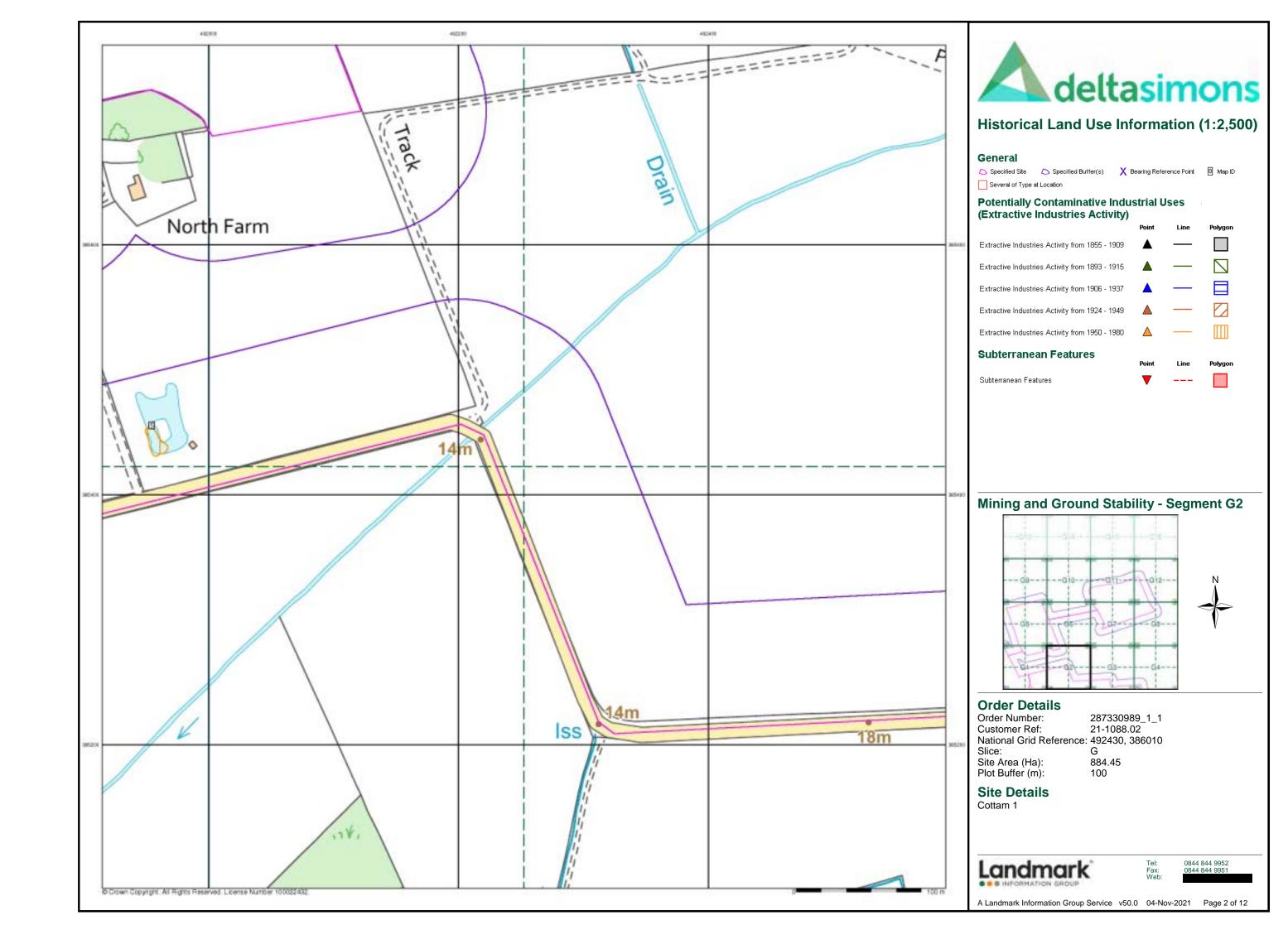
Data Supplier	Data Supplier Logo
Ordnance Survey	Map data
British Geological Survey	British Geological Survey
The Coal Authority	The Coal Authority
Ove Arup	ARUP
Stantec UK Ltd	Stantec
Wardell Armstrong	wardell your yearth our world
Johnson Poole & Bloomer	JPB

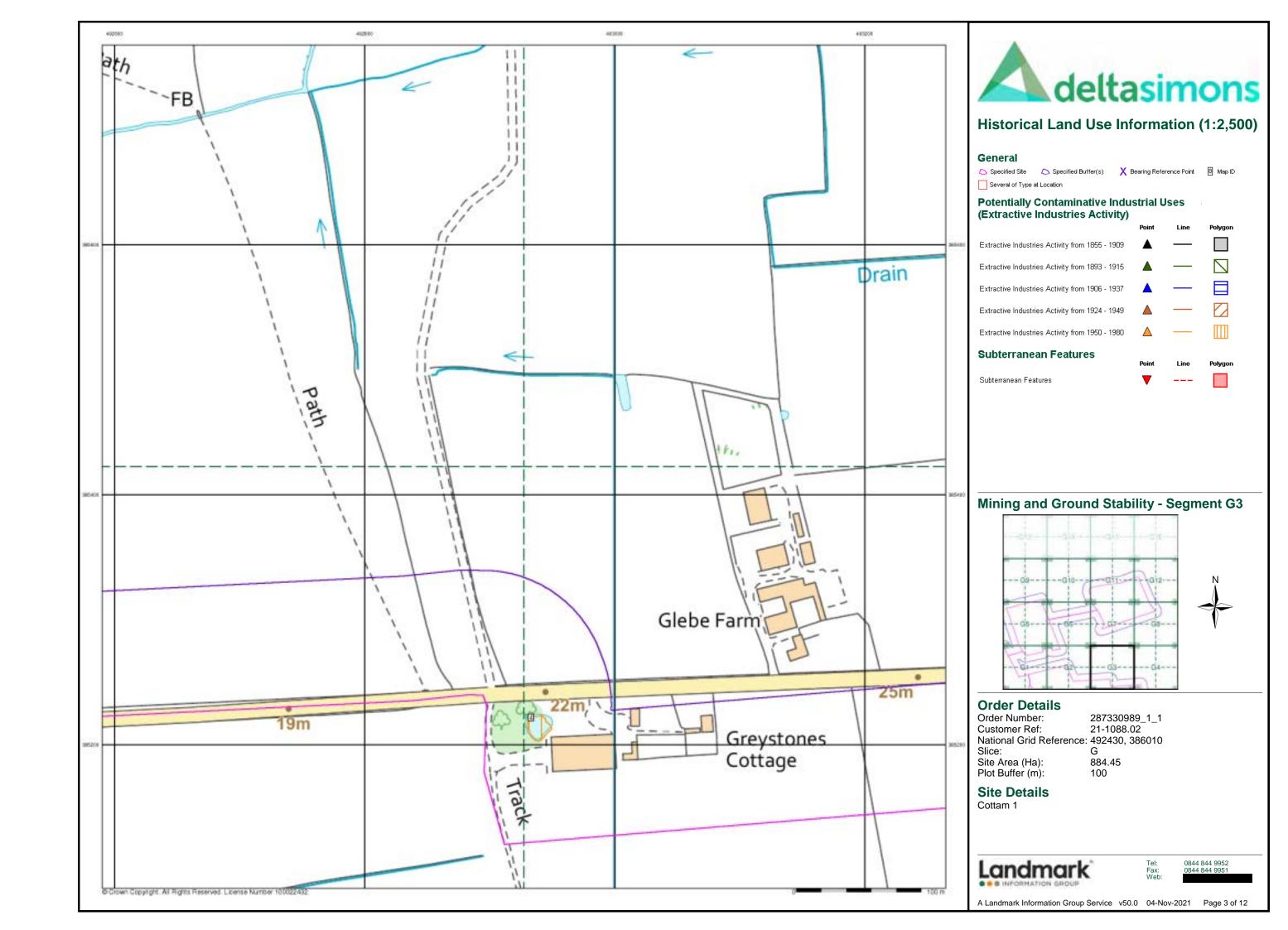


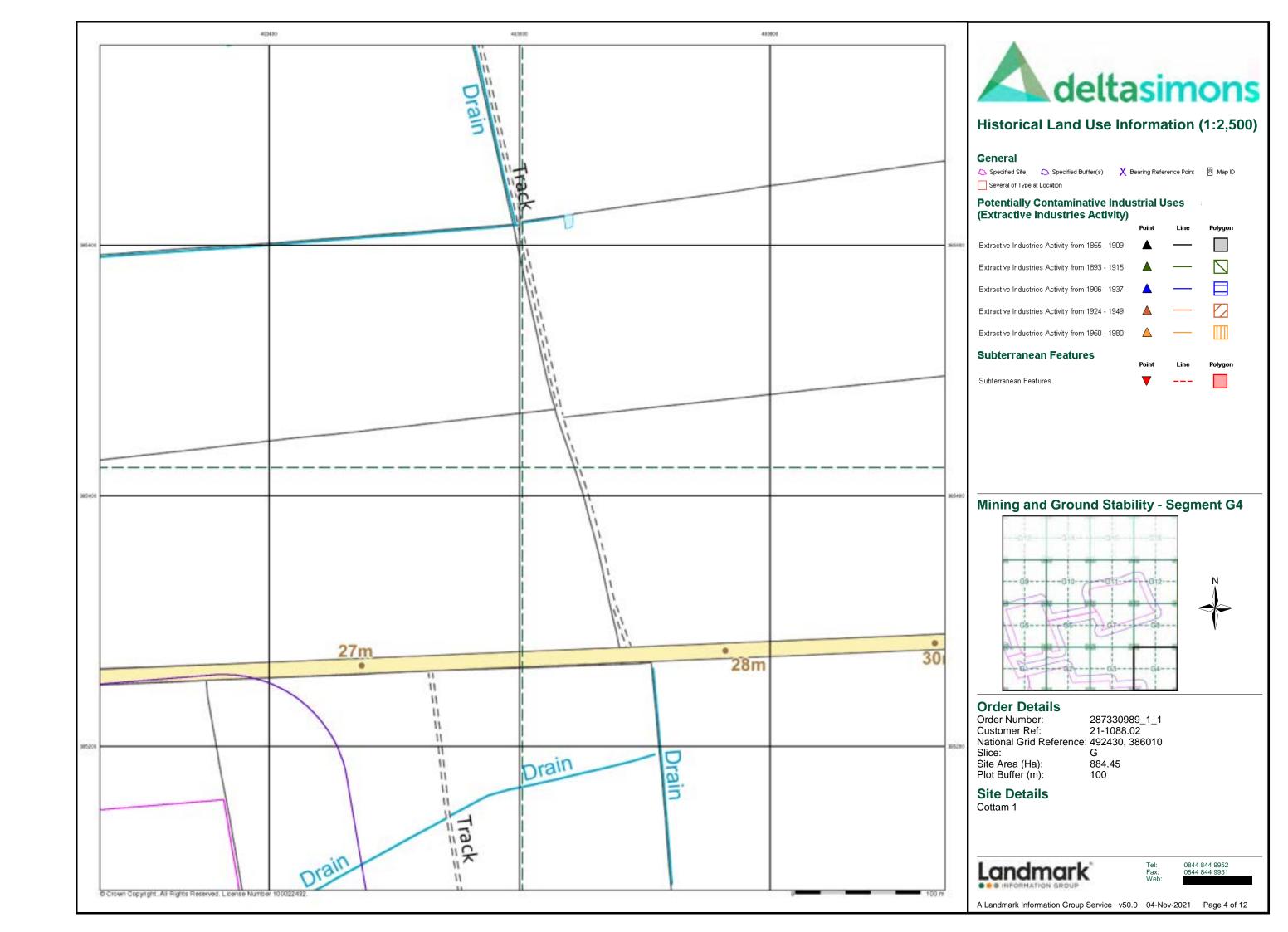
## **Useful Contacts**

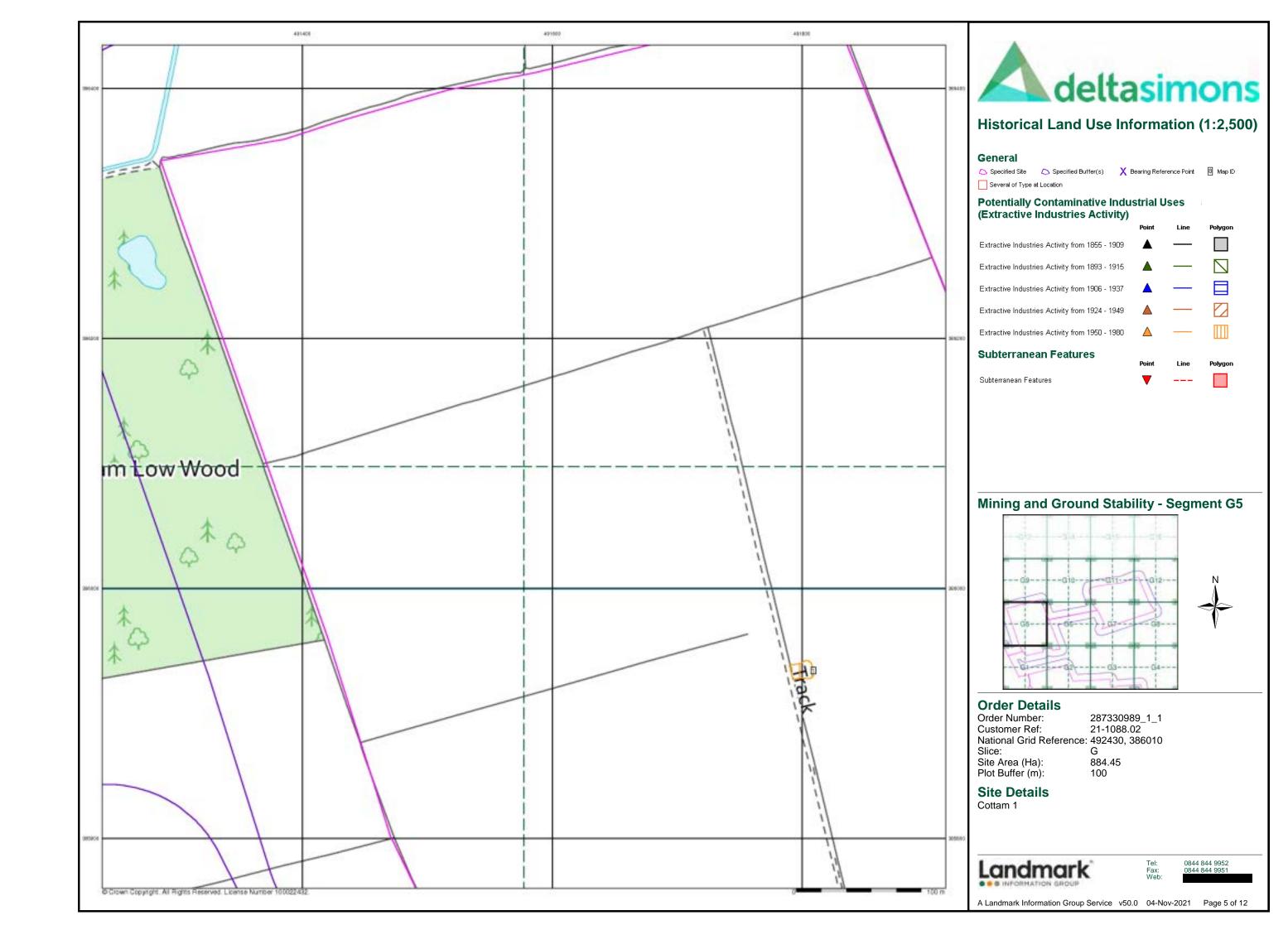
Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service  British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website:
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website:

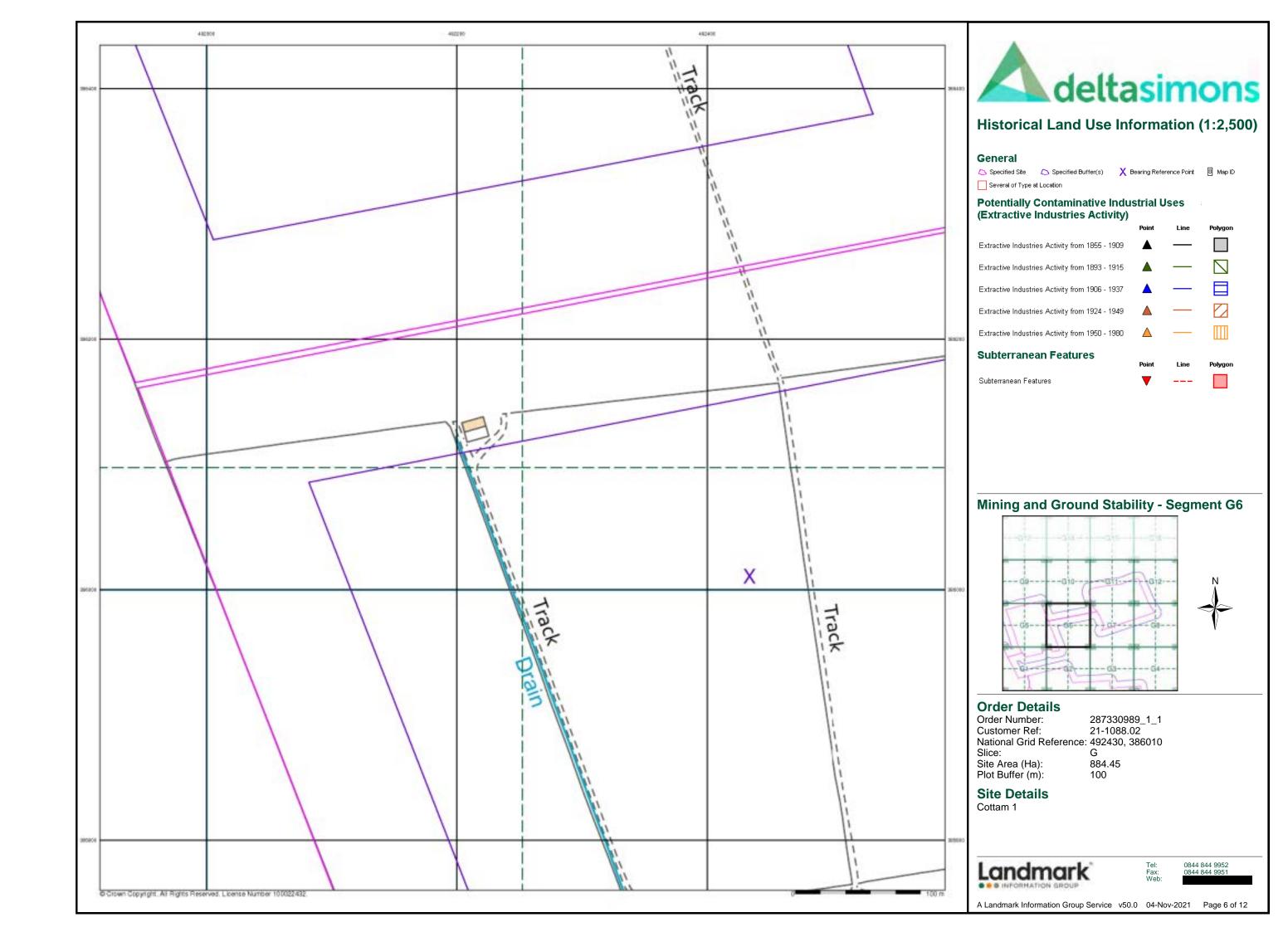


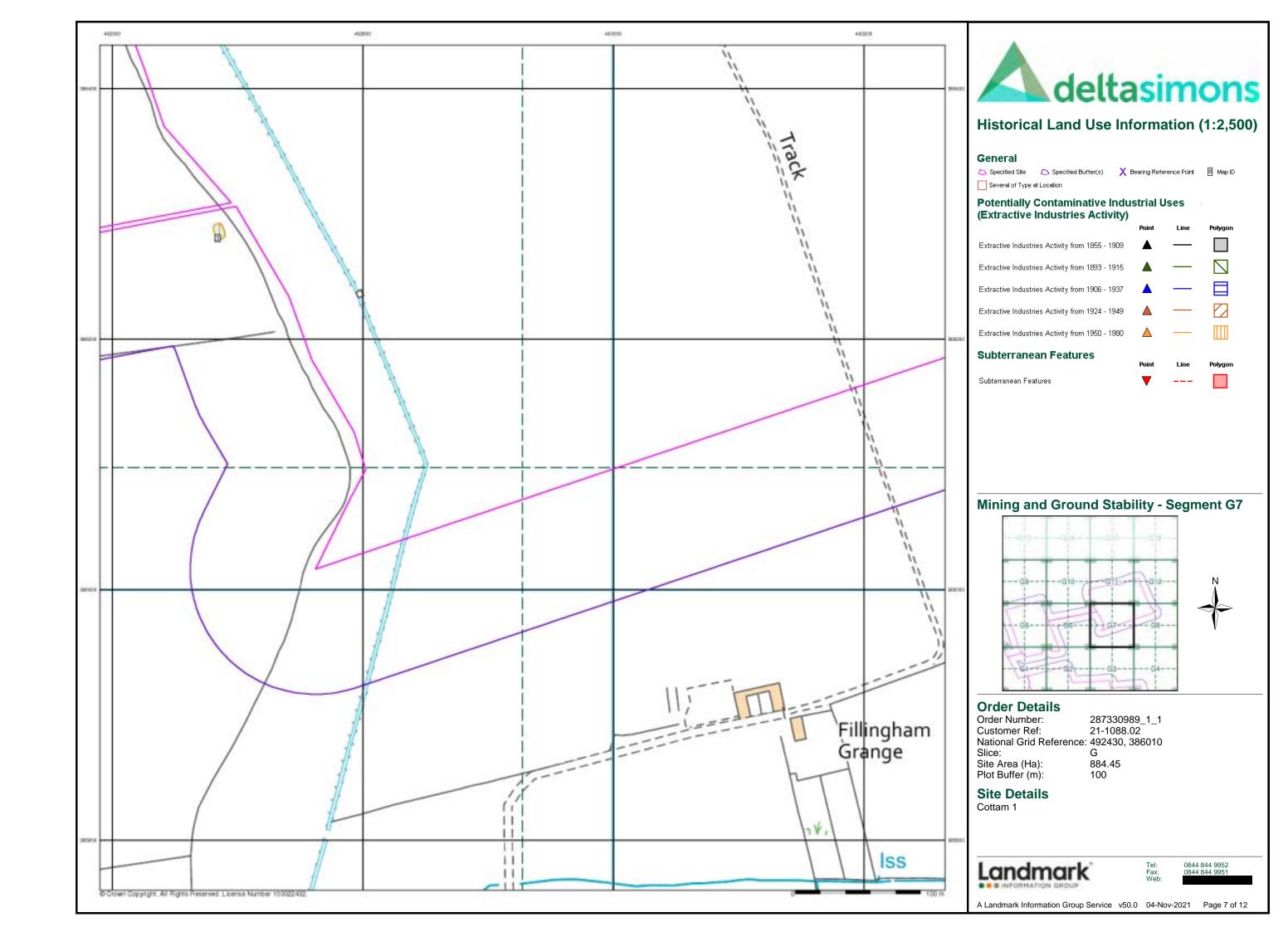


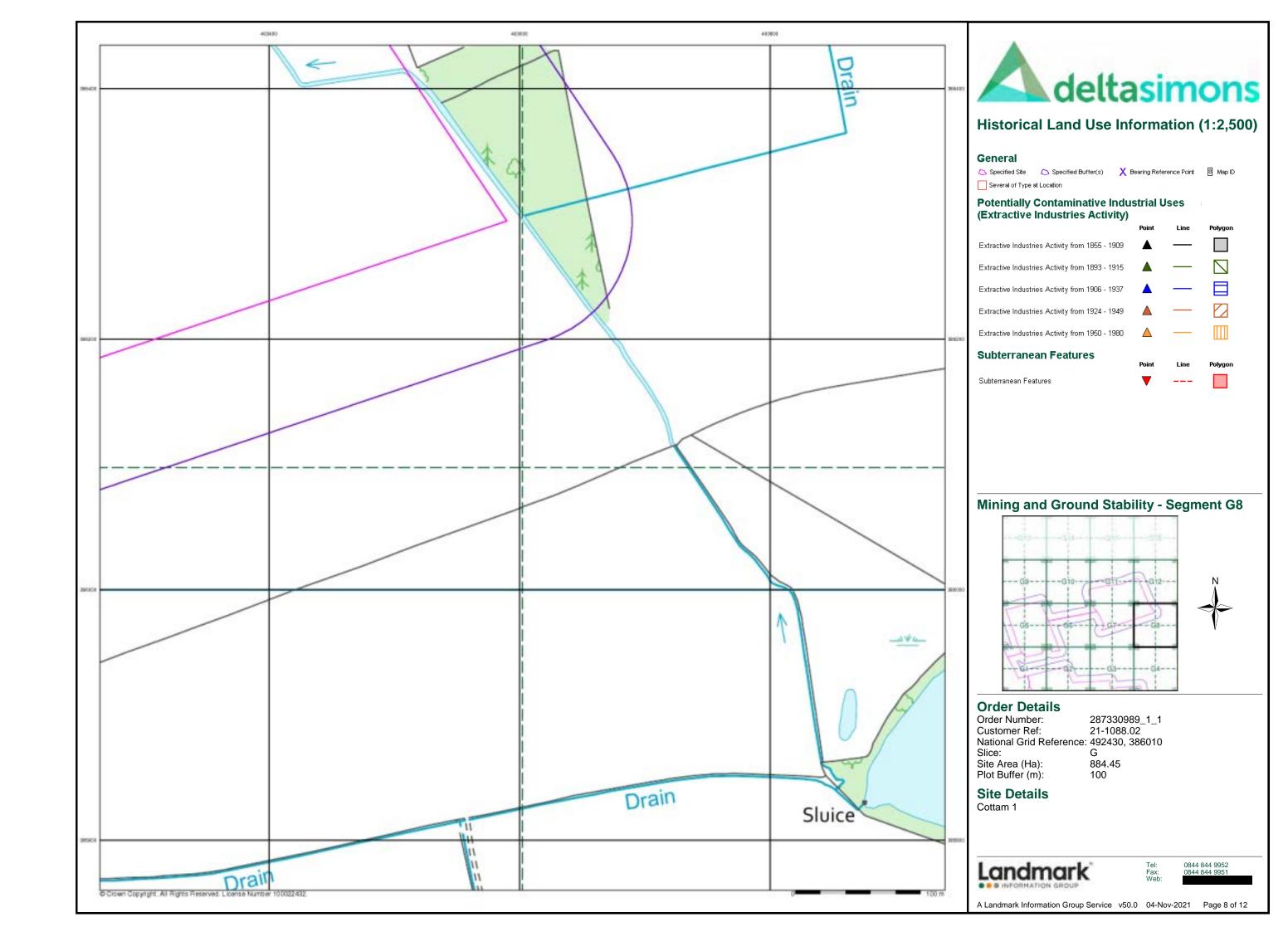


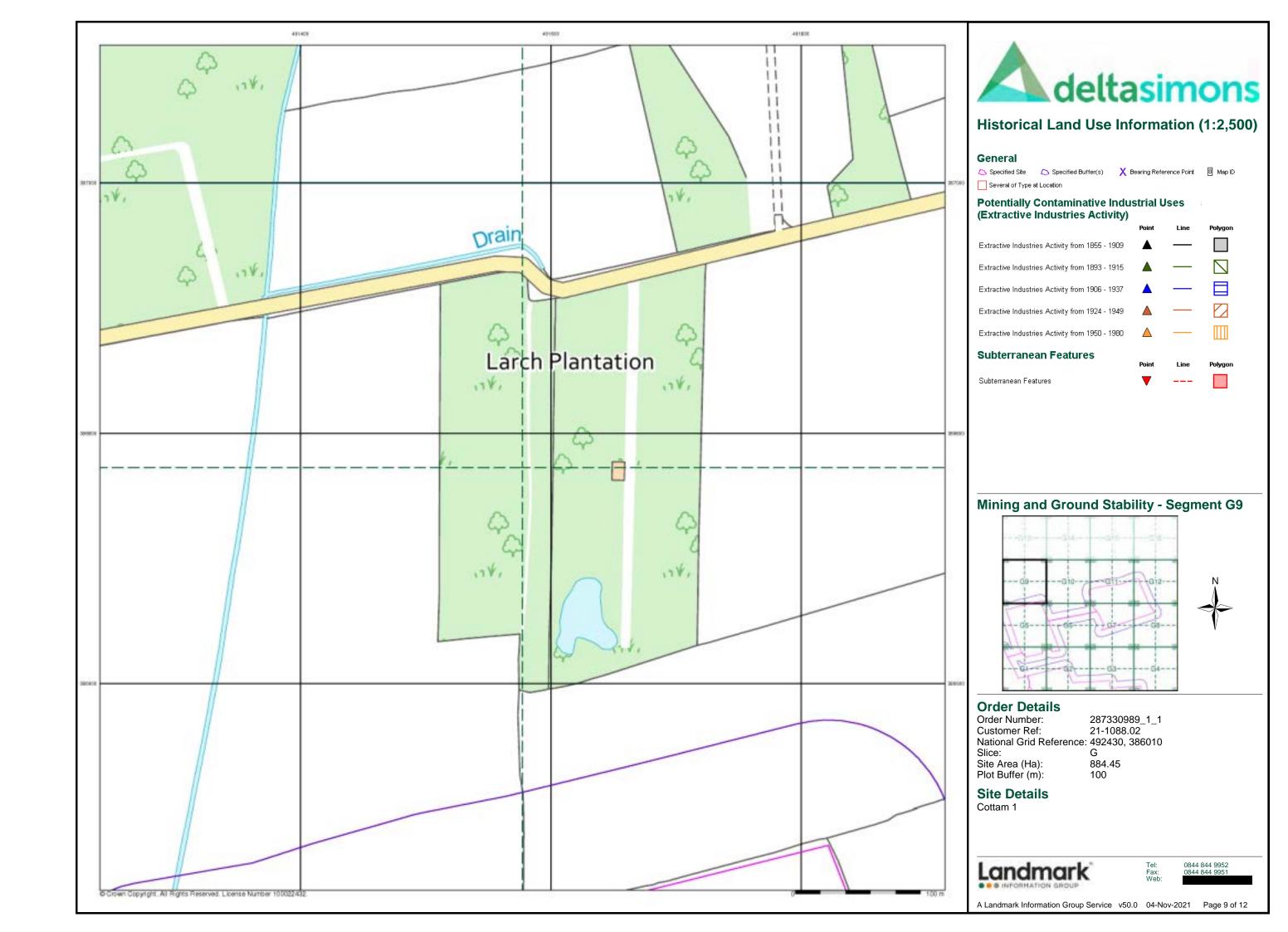


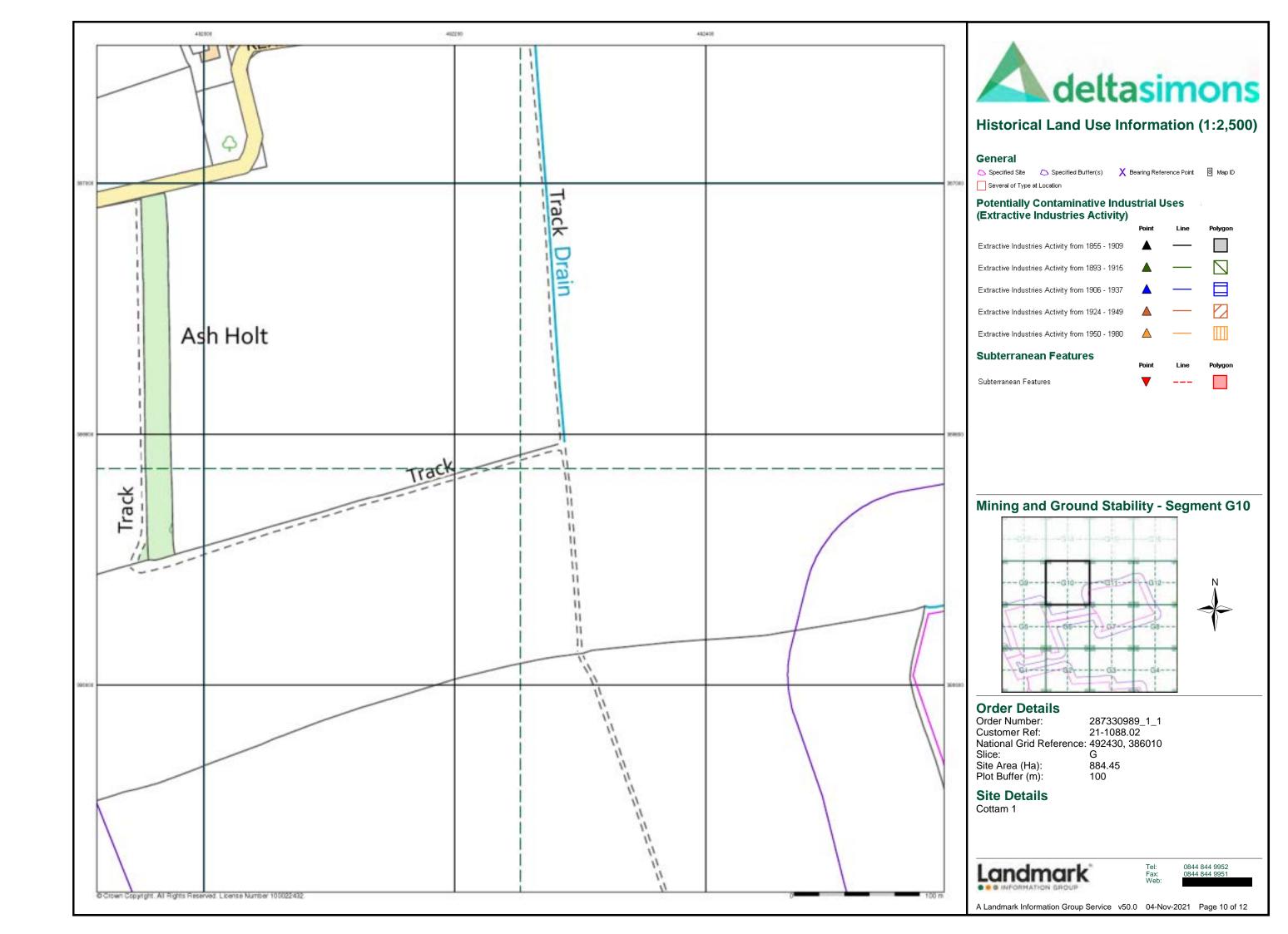


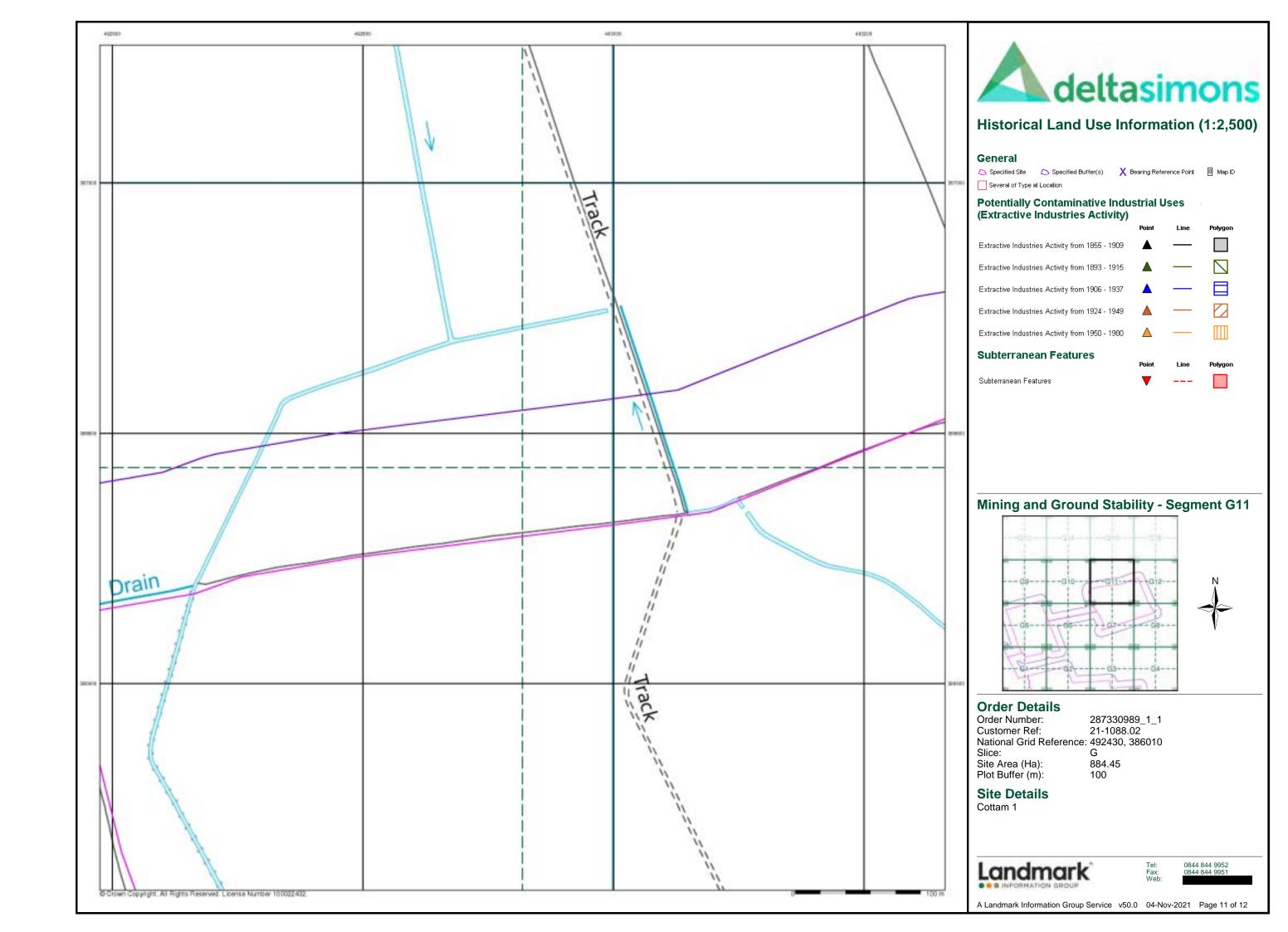


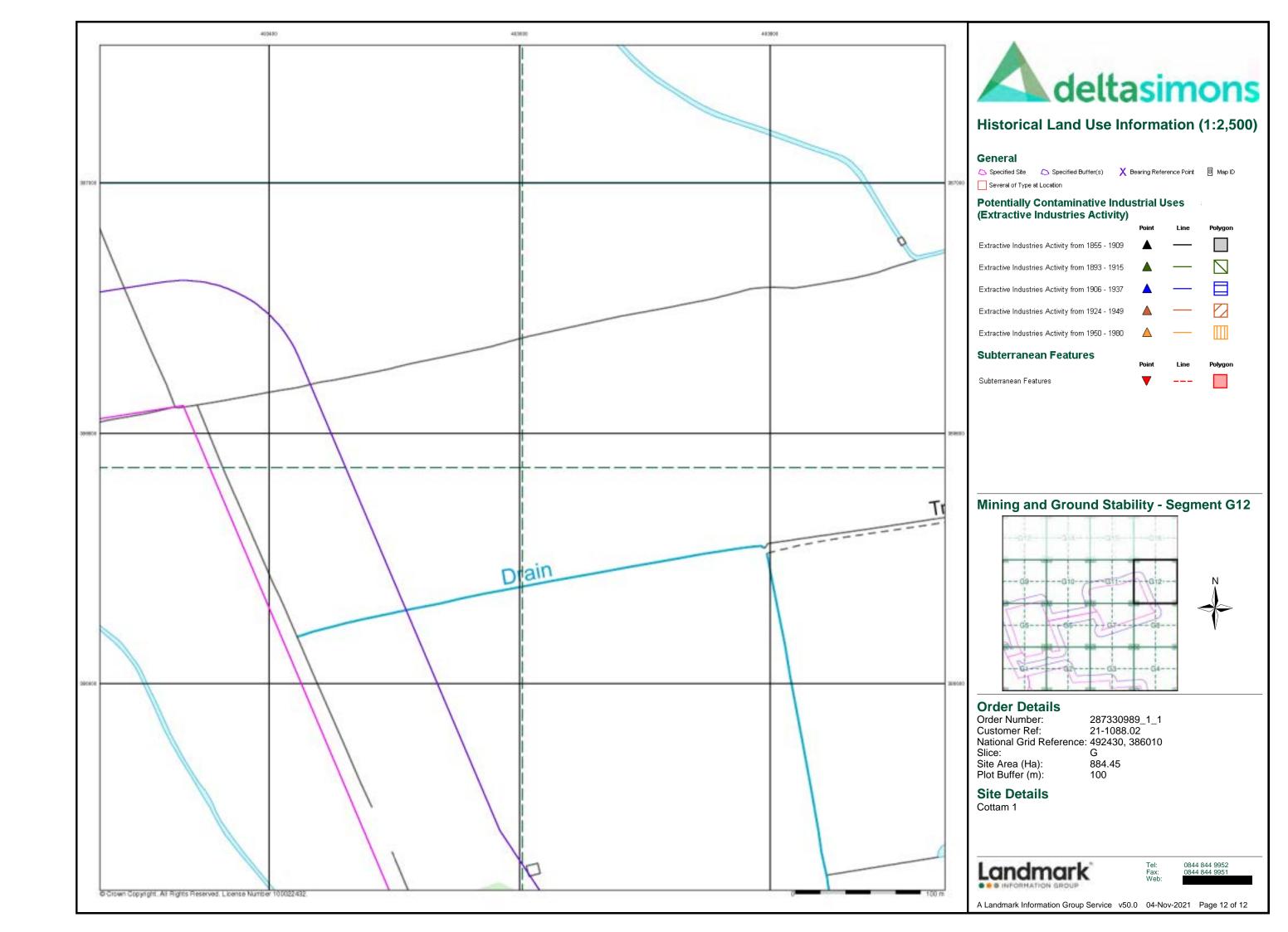












# **Geology 1:50,000 Maps Legends**

### **Superficial Geology**

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	TILMP	Till, Mid Pleistocene	Diamicton	Not Supplied - Cromerian
	GFDMP	Glaciofluvial Deposits, Mid Pleistocene	Sand and Gravel	Not Supplied - Cromerian

#### **Bedrock and Faults**

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WHM	Whitby Mudstone Formation	Mudstone	Not Supplied - Toarcian
	MRB	Marlstone Rock Formation	Ferruginous Limestone and Ferruginous Sandstone	Not Supplied - Pliensbachian
	CHAM	Charmouth Mudstone Formation	Mudstone	Not Supplied - Sinemurian



### Geology 1:50,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslip deposits, superficial

The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

### Geology 1:50,000 Maps Coverage

 Map ID:
 1

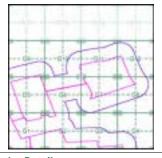
 Map Sheet No:
 102

 Map Name:
 Market Rasen

 Map Date:
 1999

Map Name: Market Raser
Map Date: 1999
Bedrock Geology: Available
Superficial Geology: Available
Artificial Geology: Not Available
Landslip: Not Supplied
Landslip: Not Available
Not Not Supplied
Not Not Supplied

### Geology 1:50,000 Maps - Slice G





#### **Order Details:**

Order Number: Customer Reference: National Grid Reference: Slice:

 Slice:
 G

 Site Area (Ha):
 884.45

 Search Buffer (m):
 250

Site Details:

Cottam 1

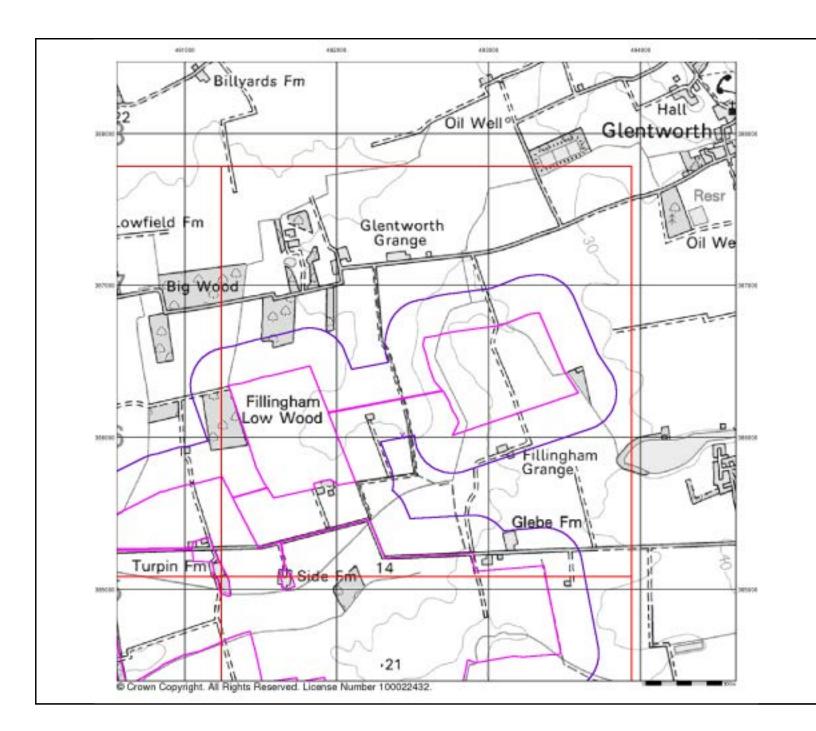


Tel: Fax: Web

287330989\_1\_1 21-1088.02

492430, 386010

0844 844 9952 0844 844 9951





#### **Artificial Ground and Landslip**

Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

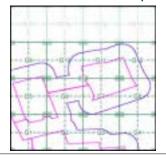
- Made ground man-made deposits such as embankments and spoil heaps on the natural ground surface.

  - Worked ground - areas where the ground has been cut away such as
- quarries and road cuttings.
- Infilled ground areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground areas where the surface has been reshaped.
   Disturbed ground areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

287330989\_1\_1 21-1088.02

### Artificial Ground and Landslip Map - Slice G





## **Order Details:**

Order Number: Customer Reference: National Grid Reference:

492430, 386010 Site Area (Ha): Search Buffer (m): 884.45 250

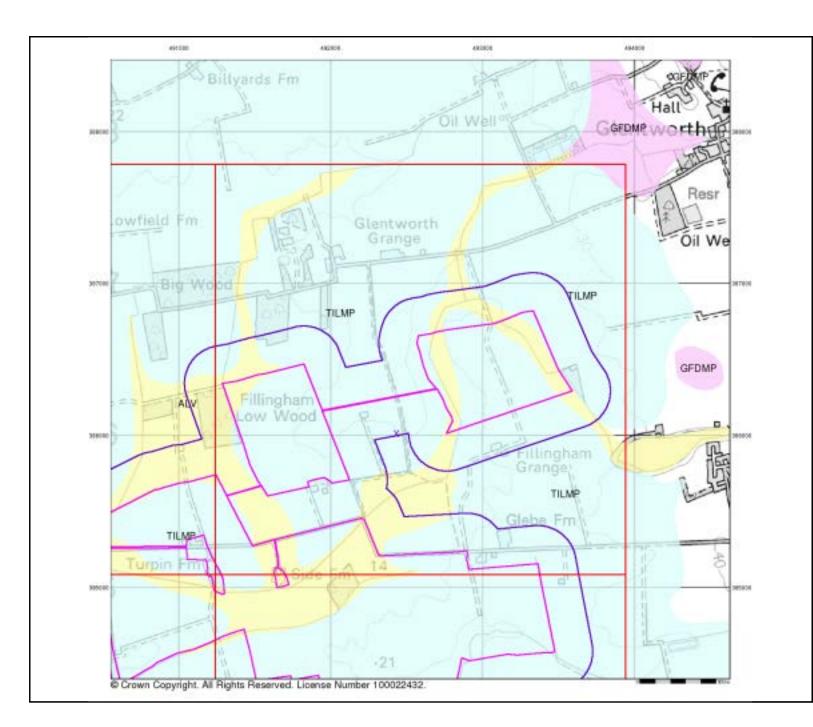
Site Details: Cottam 1



0844 844 9952 0844 844 9951

v15.0 04-Nov-2021

Page 2 of 5





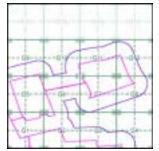
#### **Superficial Geology**

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

### Superficial Geology Map - Slice G





## **Order Details:**

Order Number: Customer Reference: National Grid Reference: Site Area (Ha): Search Buffer (m):

492430, 386010 G 884.45 250

287330989\_1\_1 21-1088.02

Site Details:

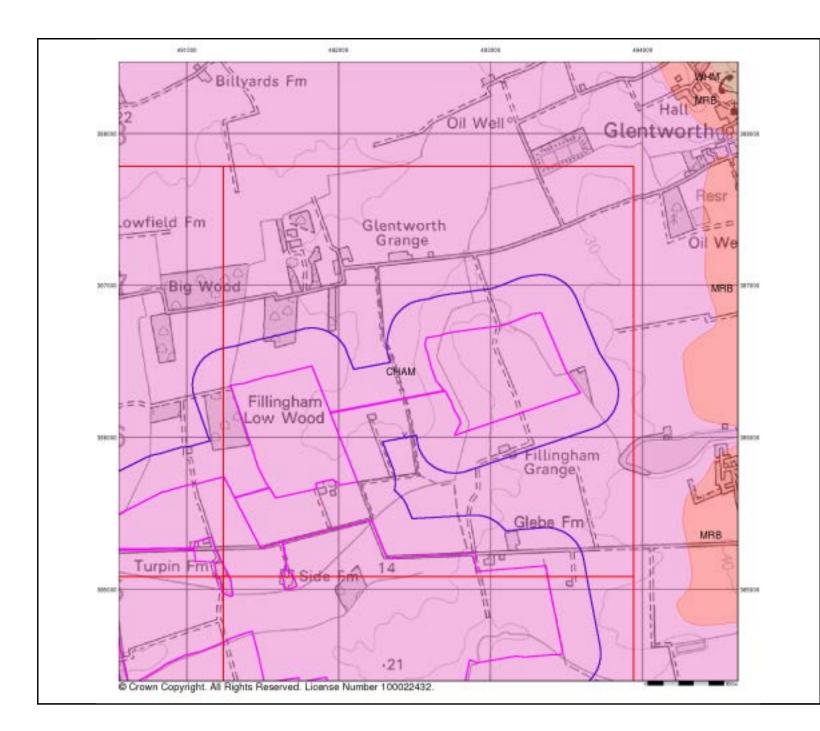
Cottam 1



0844 844 9952 0844 844 9951

v15.0 04-Nov-2021

Page 3 of 5





#### **Bedrock and Faults**

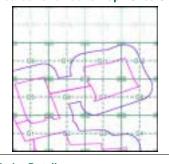
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

### Bedrock and Faults Map - Slice G



287330989\_1\_1 21-1088.02

492430, 386010

## **Order Details:**

Order Number: Customer Reference: National Grid Reference:

G 884.45 Site Area (Ha): Search Buffer (m): 250

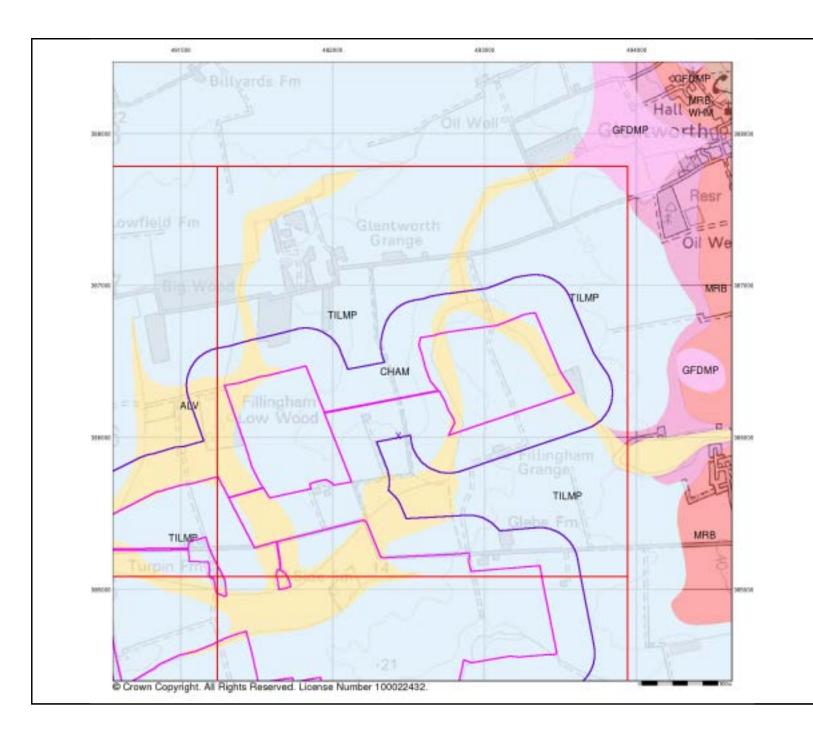
### Site Details:

Cottam 1



0844 844 9952 0844 844 9951

v15.0 04-Nov-2021





### **Combined Surface Geology**

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

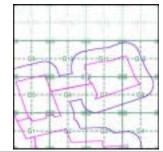
#### Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS

#### Contact

British Geological Survey Kingsley Dunham Centre Keyworth Nottingham NG12 5GG Telephone: 0115 936 3143 Fax: 0115 936 3276 email: enquiries@bgs.ac.uk website: www.bgs.ac.uk

### Combined Geology Map - Slice G





#### **Order Details:**

Order Number: Customer Reference: National Grid Reference:

492430, 386010 G 884.45 Site Area (Ha): Search Buffer (m): 250

287330989\_1\_1 21-1088.02

Site Details:

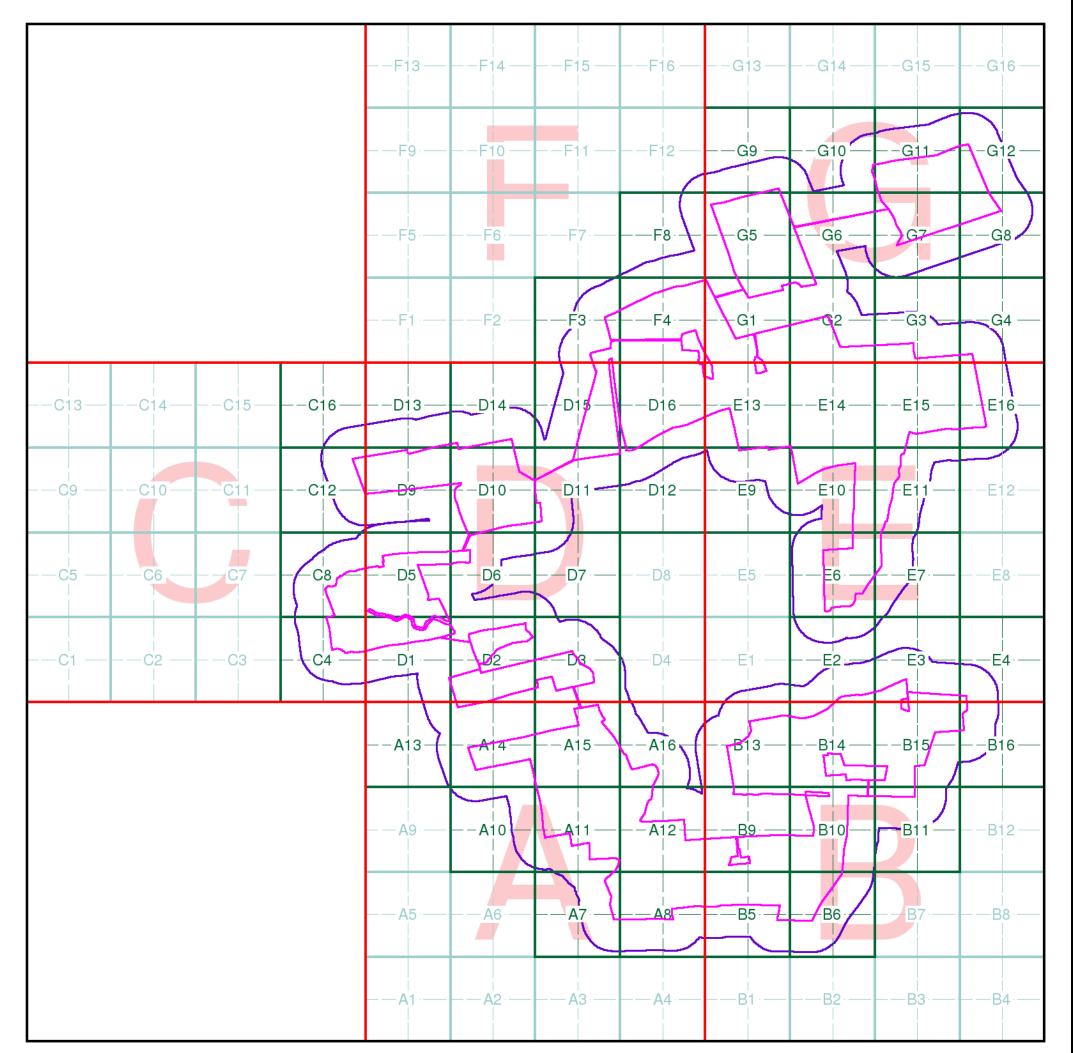
Cottam 1



0844 844 9952 0844 844 9951

v15.0 04-Nov-2021

Page 5 of 5





## **Index Map**

For ease of identification, your site and buffer have been split into Slices, Segments and Quadrants. These are illustrated on the Index Map opposite and explained further below.

#### Slice

Each slice represents a 1:10,000 plot area (2.7km x 2.7km) for your site and buffer. A large site and buffer may be made up of several slices (represented by a red outline), that are referenced by letters of the alphabet, starting from the bottom left corner of the slice "grid". This grid does not relate to National Grid lines but is designed to give best fit over the site and buffer.

#### Seament

A segment represents a 1:2,500 plot area. Segments that have plot files associated with them are shown in dark green, others in light blue. These are numbered from the bottom left hand corner within each slice.

### Quadrant

A quadrant is a quarter of a segment. These are labelled as NW, NE, SW, SE and are referenced in the datasheet to allow features to be quickly located on plots. Therefore a feature that has a quadrant reference of A7NW will be in Slice A, Segment 7 and the NW Quadrant.

A selection of organisations who provide data within this report:









Envirocheck reports are compiled from 136 different sources of data.

### **Client Details**

Mr A Howells, Delta Simons, 3 Henley Office Park, Doddington Road, Lincoln, LN6 3QR

## **Order Details**

Order Number: 287330989\_1\_1
Customer Ref: 21-1088.02
National Grid Reference: 491290, 383560
Site Area (Ha): 884.45

Search Buffer (m): 884.45

### **Site Details**

Cottam 1

Full Terms and Conditions can be found on the following link:



0844 844 9952 0844 844 9951

Web.

A Landmark Information Group Service v50.0 04-Nov-2021 Page 1 of 1

