# West Burton Solar Project

# Environmental Statement Appendix 2.1: EIA Scoping Report (Part 3 of 5)

Prepared by: Lanpro Services

March 2023

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APFP Regulation 5(2)(a)



# West Burton Solar Project

# EIA Scoping Report Appendices (Part 2 of 4): Chapter 10 (Part A) Ground Conditions and Contamination

Prepared by Lanpro January 2022





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### **Issue Sheet**

Report Prepared for: West Burton Solar Project Ltd.

EIA Scoping Report Submission

West Burton Solar Project: EIA Scoping Report

Appendices (Part 2 of 4): Chapter 10 (Part A)

### **Ground Conditions and Contamination**

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Date: January 2022

Revision: 1



10.1 Preliminary Geo-Environmental Risk Assessment Report for West Burton 1



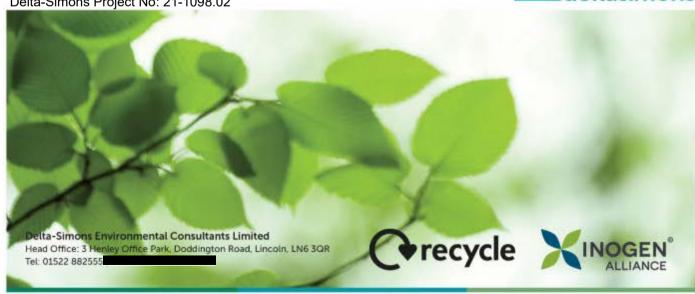
# Preliminary Geo-Environmental Risk Assessment West Burton Solar Project – West Burton 1

**West Burton Solar Project Limited** Presented to:

Issued: November 2021

Delta-Simons Project No: 21-1098.02





## Report Details

Client	West Burton Solar Project Limited	
Report Title	Preliminary Geo-Environmental Risk Assessment	
Site Address	Land at Broxholme, Lincoln, LN1 2ZS	
Report No.	21-1098.02_REP_West-Burton-Solar-WB1_PRA_21-11-29	
Delta-Simons Contact	Paul Huteson eltasimons.com)	

# **Quality Assurance**

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

# **About Us**

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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.

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### 1.0 Introduction

### 1.1 Appointment

Delta-Simons Environmental Consultants Limited ("Delta-Simons") was instructed by West Burton Solar Project Limited (the "Client") to prepare a Preliminary (Geo-Environmental) Risk Assessment for a parcel of land located to the east of Broxholme, Lincoln, LN1 2ZS, hereafter referred to as 'West Burton 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 (West Burton 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. 287331719 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 49157 378500.	Elevation	4 to 8 m AOD
	370300.	Area	89 Ha
Site Address and Location	The Site is located off Main Street, Broxholme, approximately 10 km north west of Lincoln city centre. A Site Location Map is included as Figure 1.		
Site Description	The Site has been assessed through readily available online aerial and street view imagery and a Site Layout Plan is included as Figure 2. In addition, a Delta-Simons representative undertook a Site walkover on 24th November 2021. Pertinent entries observed or reported on-Stie are described below and shown on Figure 3, with supporting photographs.		
	The Site consists a series of agricultural fields separated by hedgerows, land drains and occasional trees. The fields are accessed via entrances off Main Street, which runs through the north western area of the Site. A number of concrete blocks were noted in the entrance of the north eastern field.  Overhead electrical power lines and associated pylons are noted to cut across the southern area of the Site.  From readily available online data the Site is in accordance with the local topography and slopes from 8 m AOD in the west to 4 m AOD in the south.		
Description of Adjacent and Surrounding Land Uses	The Site is located within a predominantly rural area with farmland to the north, south and east. The village of Broxholme with associated residential dwellings and a church is present to the west.		

### 2.2 Physical Setting

Published Geology	From the BGS Geology of Britain Online Viewer, the eastern area of the Site is indicated to be underlain by superficial Till (Diamicton). Superficial Alluvium (Clay, Silt, Sand and Gravel) is noted to encroach onto the Site along the northern boundary. No superficial deposits are mapped across the eastern area. The bedrock is mapped as the Charmouth Mudstone Formation.	
Site-Specific Geology	There are three BGS Boreholes (Ref. SK97NW9/G, SK97NW24 and SK97NW9/F) located between 10 m and 180 m of the north western boundary. The boreholes recorded a general sequence of Topsoil underlain by soft sandy silty clay underlain by very stiff fissured blue grey silty clay with thin bands of limestone to a maximum drilled depth of 12.00 m bgl. Groundwater was recorded at 4.50 m bgl.	
Aquifers and Groundwater Receptors	The EA classify the superficial Till and bedrock of the Charmouth Mudstone Formation as Secondary Undifferentiated Aquifers. The Alluvium along the northern boundary is classified as a Secondary A Aquifer, however, given its limited extent on-Site, is unlikely to form a viable potable groundwater source.  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 and along the Site boundaries. In addition, the River Till is located approximately 400 m west.  According to the Envirocheck® Report there are no licenced abstraction records from surface water within 500 m of the Site.	
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	
	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 indicate that there are four heritage interest sites located adjacent to the western boundary associated with Broxholme Medieval settlement and three Grade II listed buildings; Boontown Cottage, All Saints Church and The Old Rectory.	

### 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	From the earliest map edition dated 1885, the Site is largely undeveloped and comprises a series of agricultural fields with associated land drains and a single pond in the central area. A road is noted in the north western area of the Site, consistent with the route of the present-day thoroughfare. The pond in the central area is no longer mapped by the 1906 map edition and is potentially infilled.
	No further changes are noted until the 1976 map edition where overhead power lines and pylons are noted in the southern area of the Site.  No further alterations are noted, and the Site remains consistent until present day.



Potential sources of contamination located within 250 m are limited to the potential infilling of three ponds located between 180 m and 250 m south west, however, given the underlying clay geology, the infilling is not considered to represent a significant risk. In addition, Grange Farm is located approximately 50 m west from the earliest map edition dated 1885 until present.

### 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 does not list any entries for the Site.	
Potentially Contaminative	Pertinent entries included within the Landmark Envirocheck® Report, located within 250 m of the Site, include the following:	
Features Off-Site	▲ A single Discharge Consent located approximately 20 m south west relating to the discharge of final/treated sewage to a tributary of the River Till; and	
	▲ Two Public Infrastructure Points of Interest located approximately 245 m north east relating to a weir, sluice or dam.	
	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	15/11/2021
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			Heavy metals and hydrocarbon compounds	
S2	Potentially infilled pond	Central area	1906 to present	Asbestos, heavy metals, hydrocarbon compounds and hazardous ground gas	
S3	Potential for buried asbestos waste	Site-wide Pre 2006 to Asbes		Asbestos	
S4	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 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. 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 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 infilled pond in central area).	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 a potentially infilled pond in the central area of the Site. 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 considered 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 a potentially infilled pond and land drain in the north eastern area of the Site. Given the very low sensitivity end use comprising a solar farm, the potential for hazardous ground gas to accumulate is considered 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 Mana (MMP) in accordance with the CL:AIRE Code of Practice to facili of these materials. The Contractor shall be responsible for the present of MMP and obtaining appropriate sign off from a Qualified Person commencement of earthworks.		
Potential Contaminated Land Development Risks	contaminated Land assessment has identified a very low to low risk of soil/groundw	

### 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 and superficial Till across the eastern area of the Site with the potential for Alluvium (clay, silt, sand and gravel) to encroach along the northern boundary, subsequently underlain by bedrock of the Charmouth Mudstone Formation. Bedrock is anticipated directly below Topsoil in the western area of the Site.  Given the presence of a land drains, 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 the potentially infilled pond in the central area. 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.

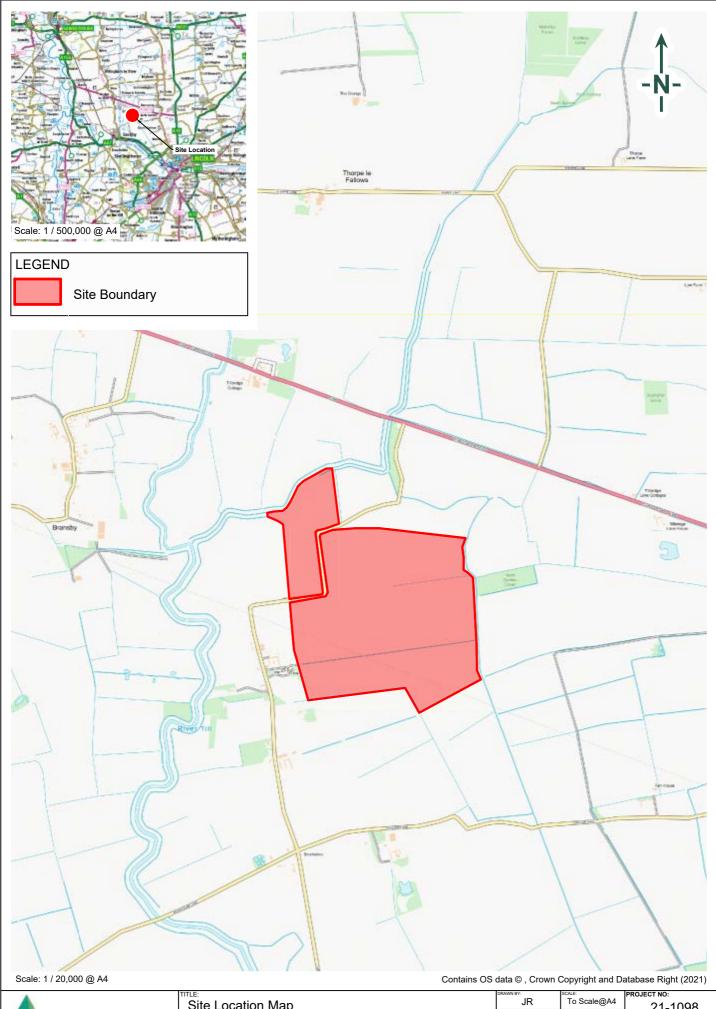


# **Figures**



# Figure 1 – Site Location Map





Site Location Map
West Burton Solar Project
West Burton 1

# Figure 2 – Site Layout Plan





deltasimons

Site Layout Plan West Burton Solar Project West Burton 1

DRAWN BY:		SCALE:	PROJECT NO:
JR		Not to Scale	21-1098.02
	CHECKED BY:	REVISION:	21-1000.02
	PH	1	FIGURE NO:
	DATE: 8th Nove	ember 2021	2

# Figure 3 – Relevant Feature Plan





PH02: View across western area



PH03: View across southern area



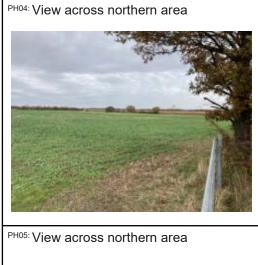


**Bing** maps

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 West Burton Solar Project West Burton 1





PH06: Access track along central area



JR NTS

FIGURE NO:

25<sup>th</sup> November 2021

21-1098.02

# **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
IVIIIN CANSSALIS	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		Medium	Mild	Minor	
<u>ج</u>	High	Very High	High	Moderate	Moderate/Low
Probability	Likely	High	Moderate	Moderate/low	Low
Prob	Low Likelihood	Moderate	Moderate/low	Low	Very Low
	Unlikely	Moderate/low	Low	Very Low	Very Low

### Classified risks and likely action

	<u> </u>
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	(I)	
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

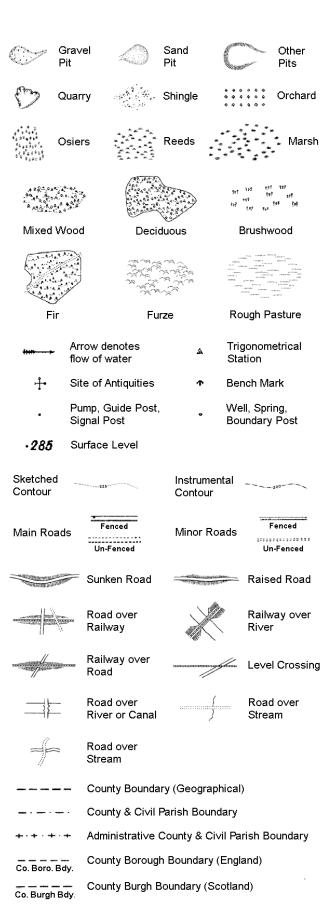


# Appendix C – Historical Maps



# **Historical Mapping Legends**

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



Rural District Boundary

····· Civil Parish Boundary

R.D. Bdy.

### Ordnance Survey Plan 1:10,000

	E CHUMAN CHUMAN	Chalk Pit, or Quarry		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		Refuse or Slag Hear			Lake, Loch or Pond
		Dunes			Boulders
	* * *	Coniferou Trees	IS	400	β Non-Coniferous Trees
	ф ф	Orchard	D o _	Scrub	∖Υ <sub>π</sub> ν Coppice
	ਜ ਜ ਜ	Bracken	MIII.	Heath	, , , , , , Rough Grassland
	<u> </u>	Marsh	\\\\// <sub>1</sub>	Reeds	스크스 Saltings
Direction of Flow of Water  Building					f Water
		Danamg			Shingle
			*	*	Sand
	<b>223</b>	Glasshouse			Janu Sanu
	2555	Glassilouse			
				Pylon	
					<ul> <li>Electricity</li> <li>Transmission</li> </ul>
		Sloping Mas	onry		Line
				Pole	Lille
				• -	_
	Cutting		Embankme	ent	
		************		**************	
		***********			'' Multiple Track
	Road'''∏''' Road Level Foot Single Track Under Over Crossing Bridge				
					Siding, Tramway or Mineral Line
	+	+ + +		<del></del>	→ Narrow Gauge
g — — Geographical County					
			nistrative Co unty of City	unty, County	Borough
			ipal Boroug or District (	h, Urban or R Council	tural District,
		Shown	only when no	or County Cor t coincident with	nstituency h other boundaries
		Civil F Shown		hen coincidence	of boundaries occurs
	BP, BS	Boundary Post	or Stone	Pol Sta	Police Station
	Ch	Church	or Stolle	PO SIA	Police Station Post Office
	СН	Club House		PC	Public Convenience
	F E Sta	Fire Engine Stat	ion	PH	Public House
	FB	Foot Bridge		SB	Signal Box
	Fn	Fountain		Spr	Spring
	GP	Guide Post		тсв	Telephone Call Box
	MD	Mile Post		TCD	Telephone Call Post

Mile Post

TCP

Telephone Call Post

### 1:10,000 Raster Mapping

	Gravel Pit		Refuse tip or slag heap
	Rock	3 3 3	Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle	Mud	Mud
Sand	Sand		Sand Pit
mmi	Slopes		Top of cliff
	General detail		Underground detail
	- Overhead detail		Narrow gauge railway
	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>0</sup>	Area of wooded vegetation	۵ <sup>۵</sup>	Non-coniferous trees
۵ ۵	Non-coniferous trees (scattered)	**	Coniferous trees
<b>*</b>	Coniferous trees (scattered)	Ö̈	Positioned tree
ф ф ф ф	Orchard	* *	Coppice or Osiers
ωTr,	Rough Grassland	www.	Heath
On_	Scrub	<u>→</u> <u>\</u> \/∟	Marsh, Salt Marsh or Reeds
6	Water feature	<b>←</b>	Flow arrows
MHW(S)	Water feature  Mean high water (springs)	MLW(S)	Flow arrows  Mean low water (springs)
MHW(S)	Mean high	MLW(S)	Mean low
MHW(S)  ← ← ← BM 123.45 m	Mean high water (springs) Telephone line	← ← ← ← ← ← ← ← ← ← ← ← ← ← ← ← ← ← ←	Mean low water (springs) Electricity transmission line
<b>-•</b> •-	Mean high water (springs)  Telephone line (where shown)  Bench mark	<b></b>	Mean low water (springs) Electricity transmission line (with poles) Triangulation
<b>-•</b> •-	Mean high water (springs)  Telephone line (where shown)  Bench mark (where shown)  Point feature (e.g. Guide Post	<b>→ - → -</b>	Mean low water (springs) Electricity transmission line (with poles) Triangulation station Pylon, flare stack

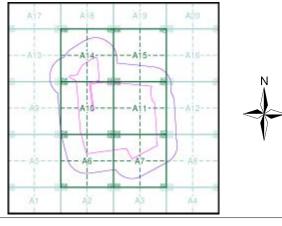
Building



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

Mapping Type	Scale	Date	Pg
Lincolnshire	1:10,560	1885 - 1886	3
Lincolnshire	1:10,560	1907	4
Lincolnshire	1:10,560	1907	5
Lincolnshire	1:10,560	1947	6
Ordnance Survey Plan	1:10,000	1956	7
Ordnance Survey Plan	1:10,000	1976	8
Lincoln	1:10,000	1989	9
10K Raster Mapping	1:10,000	2000	10
10K Raster Mapping	1:10,000	2006	11
VectorMap Local	1:10,000	2021	12

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



### **Order Details**

Order Number: 287331719\_1\_1 Customer Ref: 21-1098.02 National Grid Reference: 491570, 378500

Slice: Site Area (Ha):

90.26 Search Buffer (m):

**Site Details** 

West Burton 1



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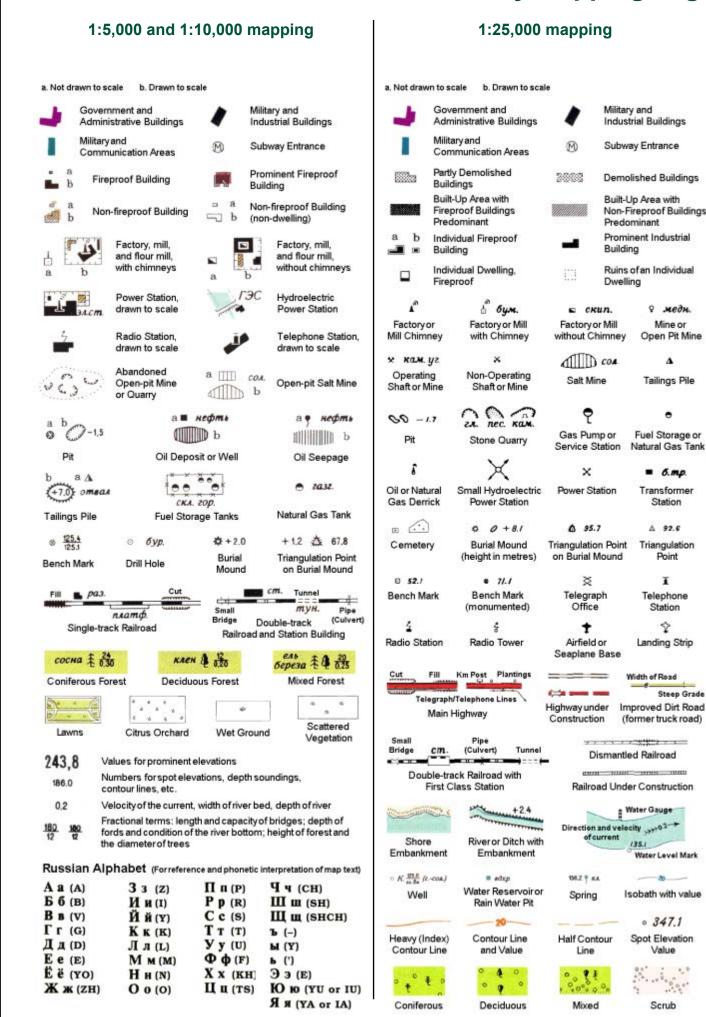
A Landmark Information Group Service v50.0 04-Nov-2021 Page 1 of 12

# **Russian Military Mapping Legends**

Mine or

4

Steep Grade



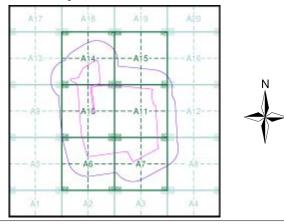
### **Key to Numbers on Mapping**



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

Mapping Type	Scale	Date	Pg
Lincolnshire	1:10,560	1885 - 1886	3
Lincolnshire	1:10,560	1907	4
Lincolnshire	1:10,560	1907	5
Lincolnshire	1:10,560	1947	6
Ordnance Survey Plan	1:10,000	1956	7
Ordnance Survey Plan	1:10,000	1976	8
Lincoln	1:10,000	1989	9
10K Raster Mapping	1:10,000	2000	10
10K Raster Mapping	1:10,000	2006	11
VectorMap Local	1:10,000	2021	12

### Russian Map - Slice A



### **Order Details**

Order Number: 287331719\_1\_1 21-1098.02 **Customer Ref:** National Grid Reference: 491570, 378500

Slice:

Site Area (Ha): 90.26 Search Buffer (m):

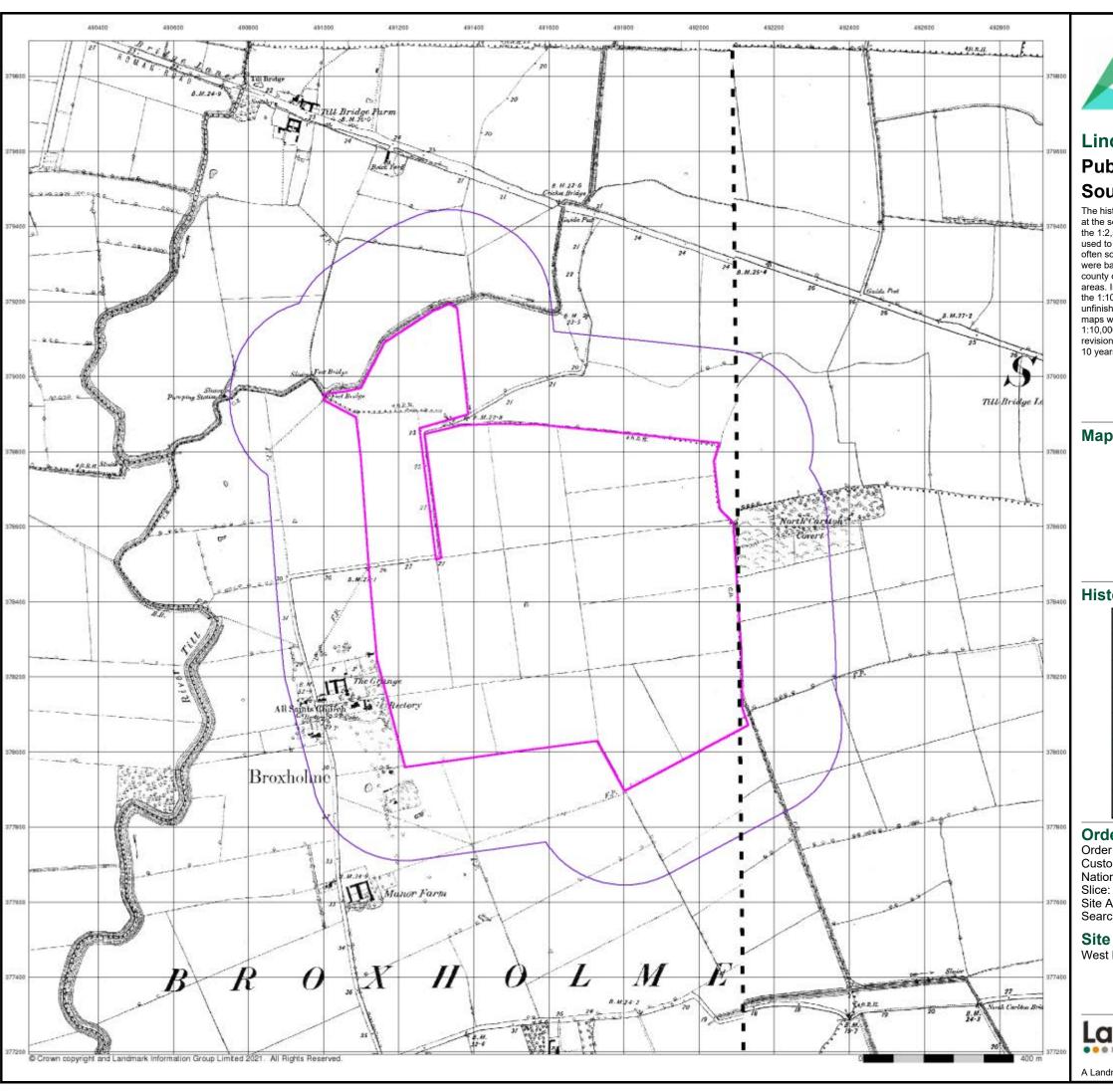
**Site Details** 

West Burton 1

Landmark

0844 844 9951

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### Lincolnshire

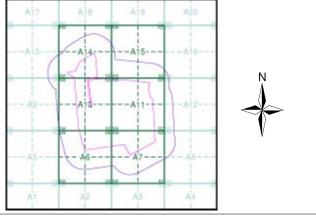
# Published 1885 - 1886 Source map scale - 1:10,560

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 A**



### **Order Details**

Order Number: 287331719\_1\_1 **Customer Ref:** 21-1098.02 National Grid Reference: 491570, 378500

Site Area (Ha): Search Buffer (m): 90.26

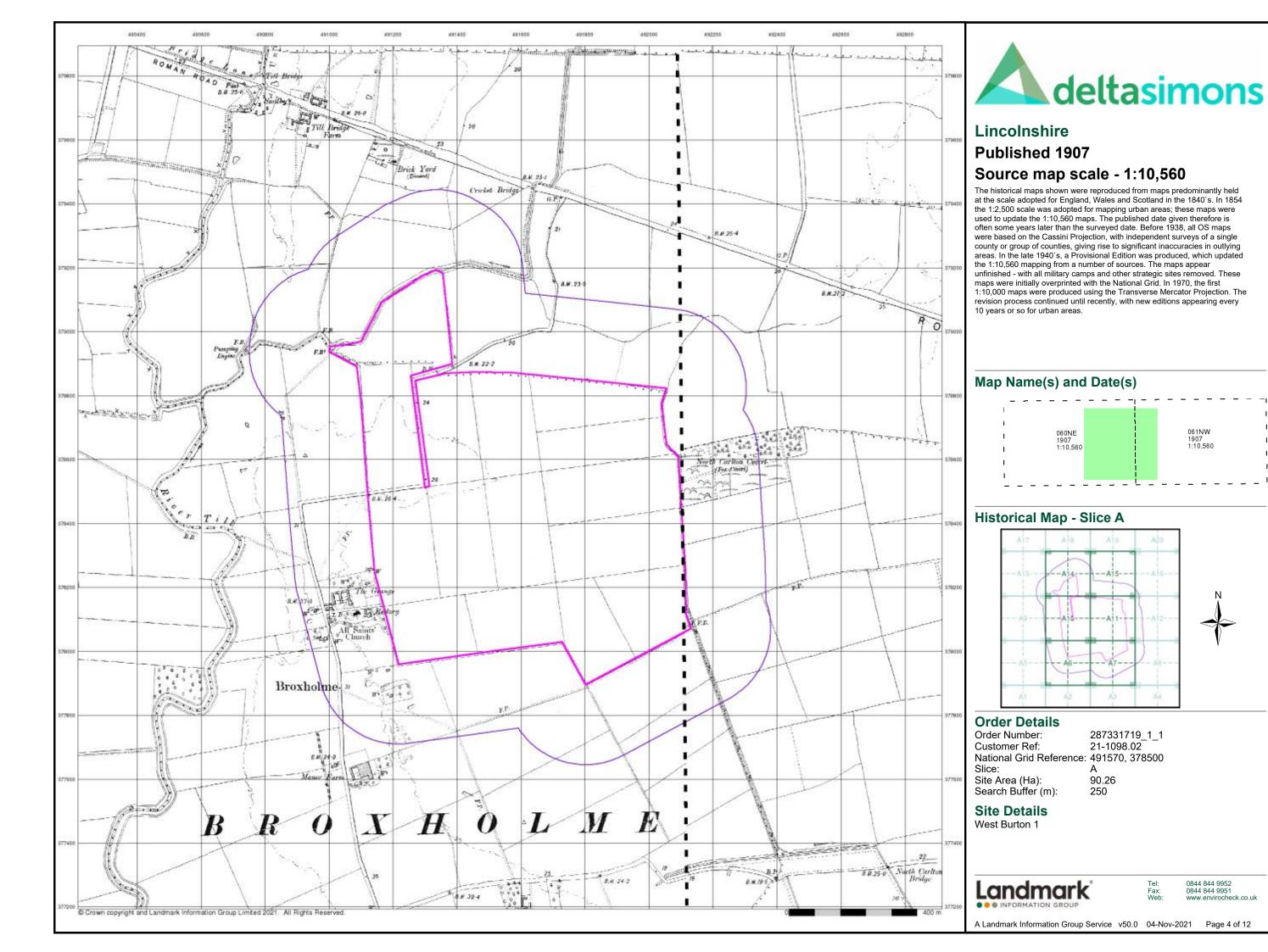
## **Site Details**

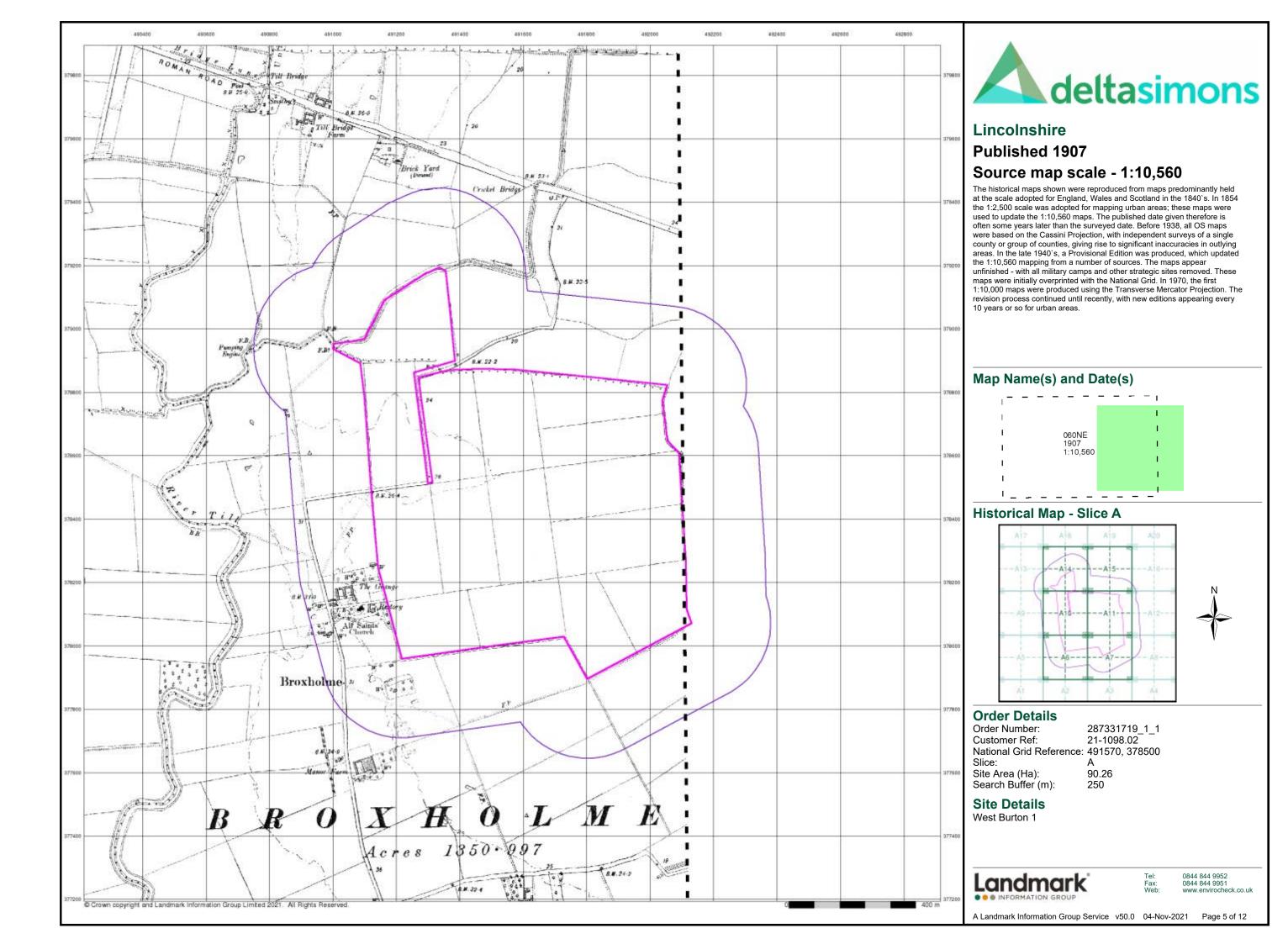
West Burton 1

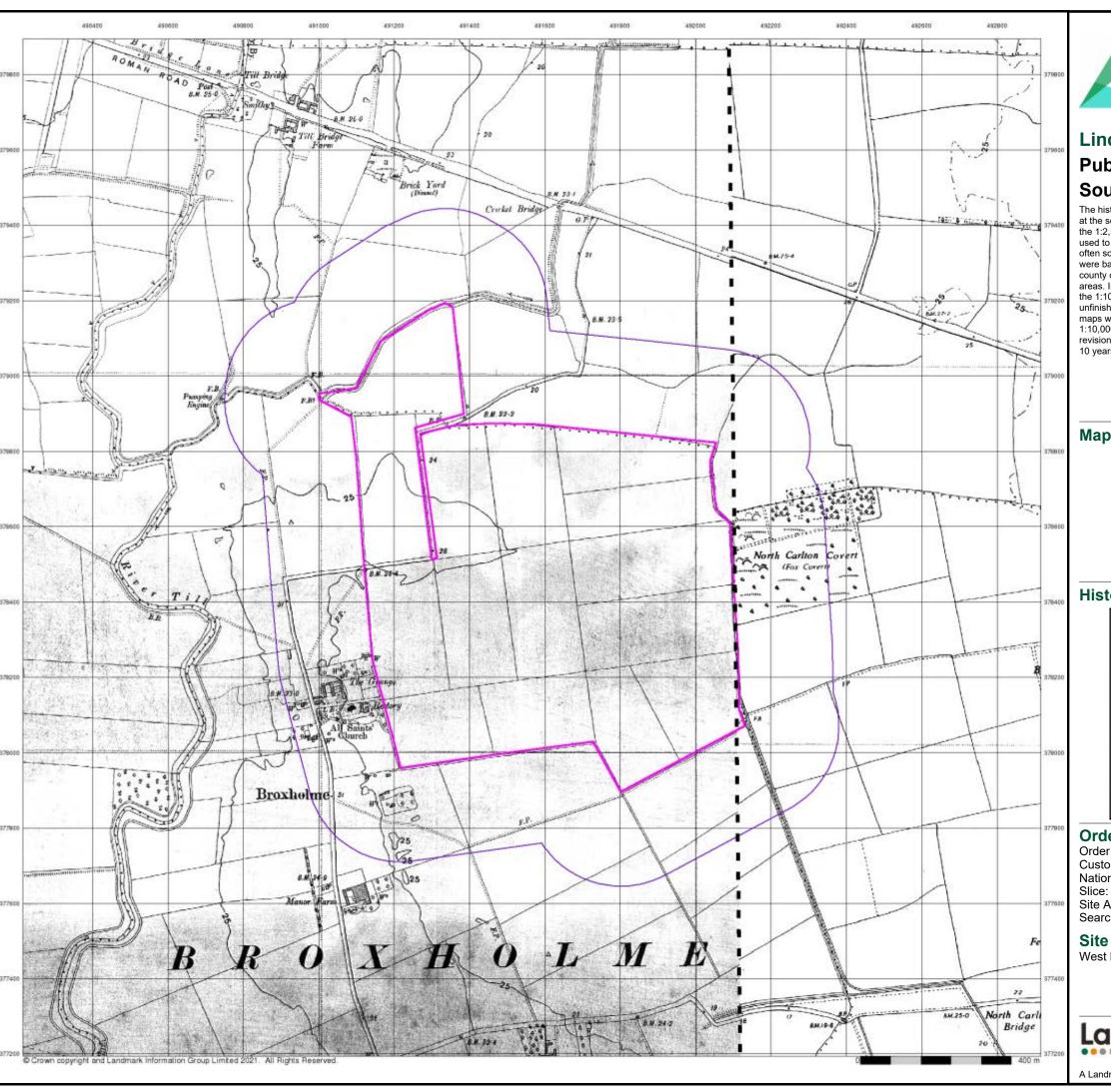
Landmark

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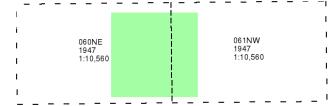


### Lincolnshire

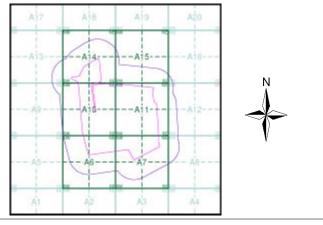
### **Published 1947** Source map scale - 1:10,560

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: 287331719\_1\_1 **Customer Ref:** 21-1098.02 National Grid Reference: 491570, 378500

Site Area (Ha): Search Buffer (m): 90.26

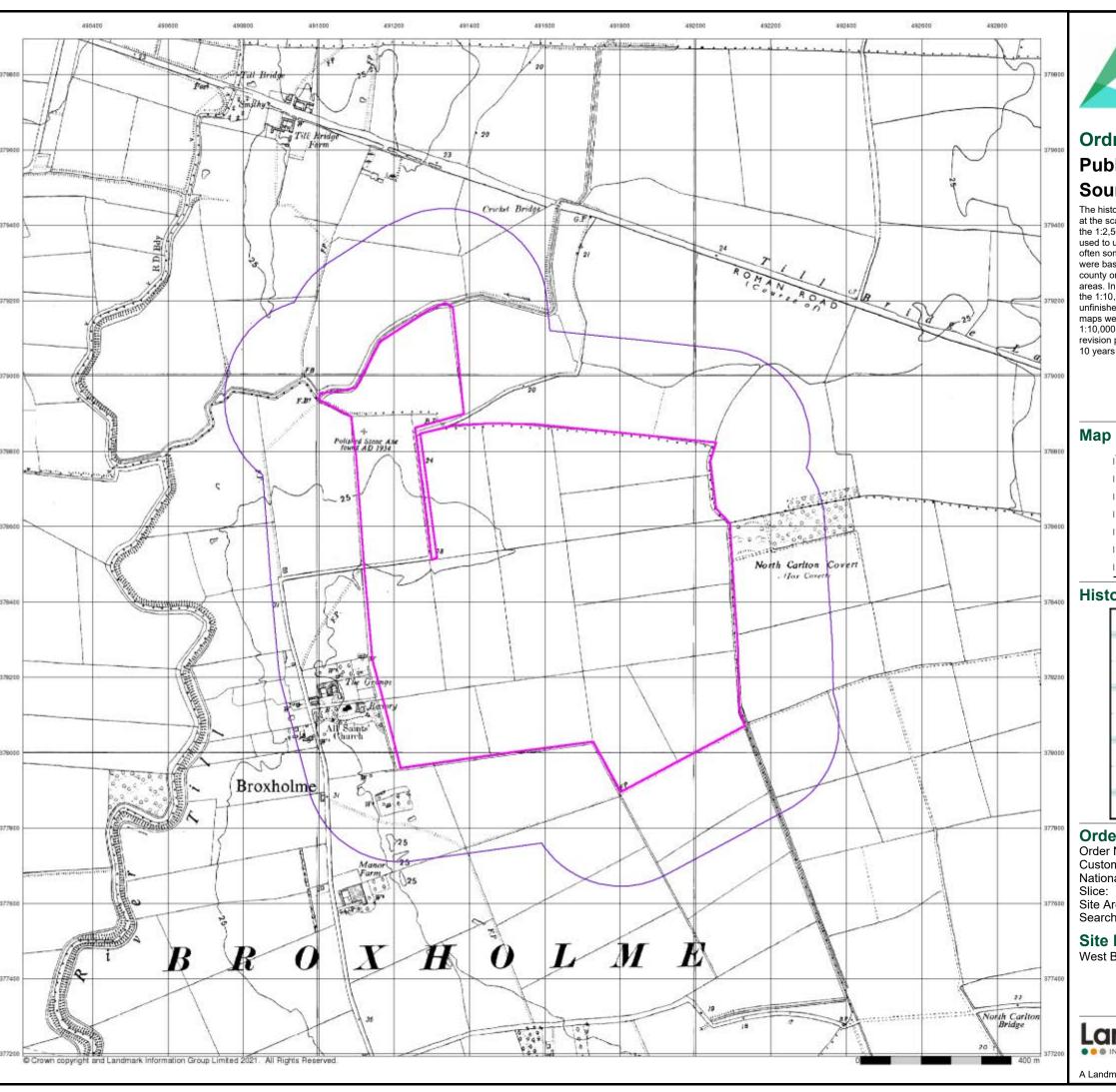
**Site Details** 

West Burton 1



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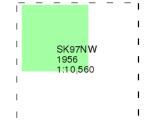




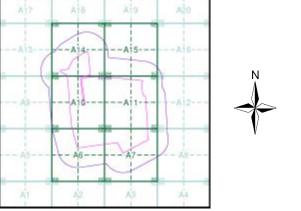
## **Ordnance Survey Plan** Published 1956 Source map scale - 1:10,000

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 A**



### **Order Details**

Order Number: 287331719\_1\_1 **Customer Ref:** 21-1098.02 National Grid Reference: 491570, 378500

Site Area (Ha): Search Buffer (m): 90.26

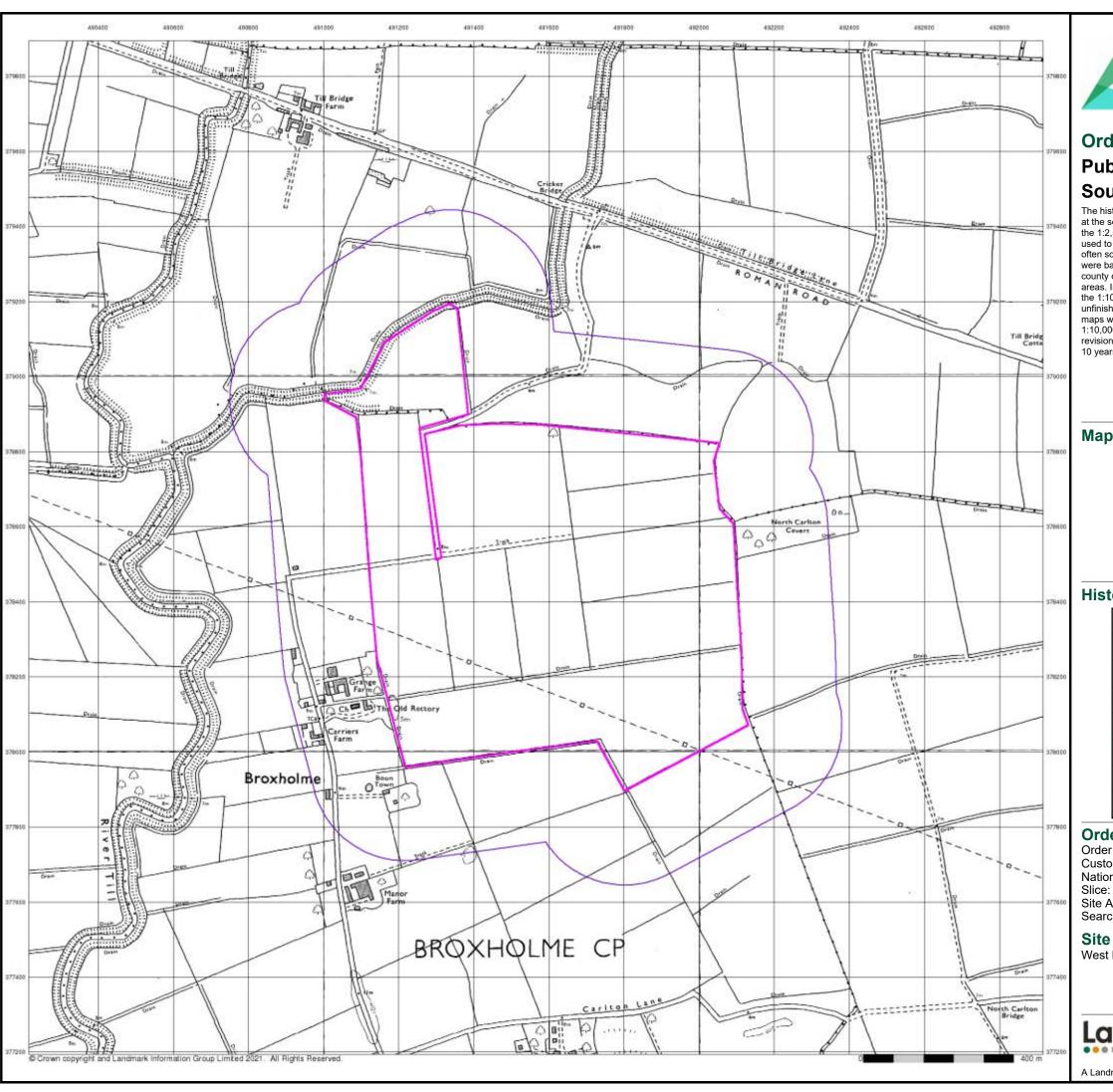
## **Site Details**

West Burton 1



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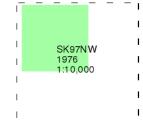




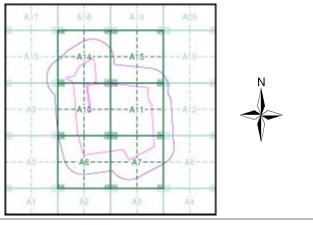
## **Ordnance Survey Plan** Published 1976 Source map scale - 1:10,000

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: 287331719\_1\_1 **Customer Ref:** 21-1098.02 National Grid Reference: 491570, 378500

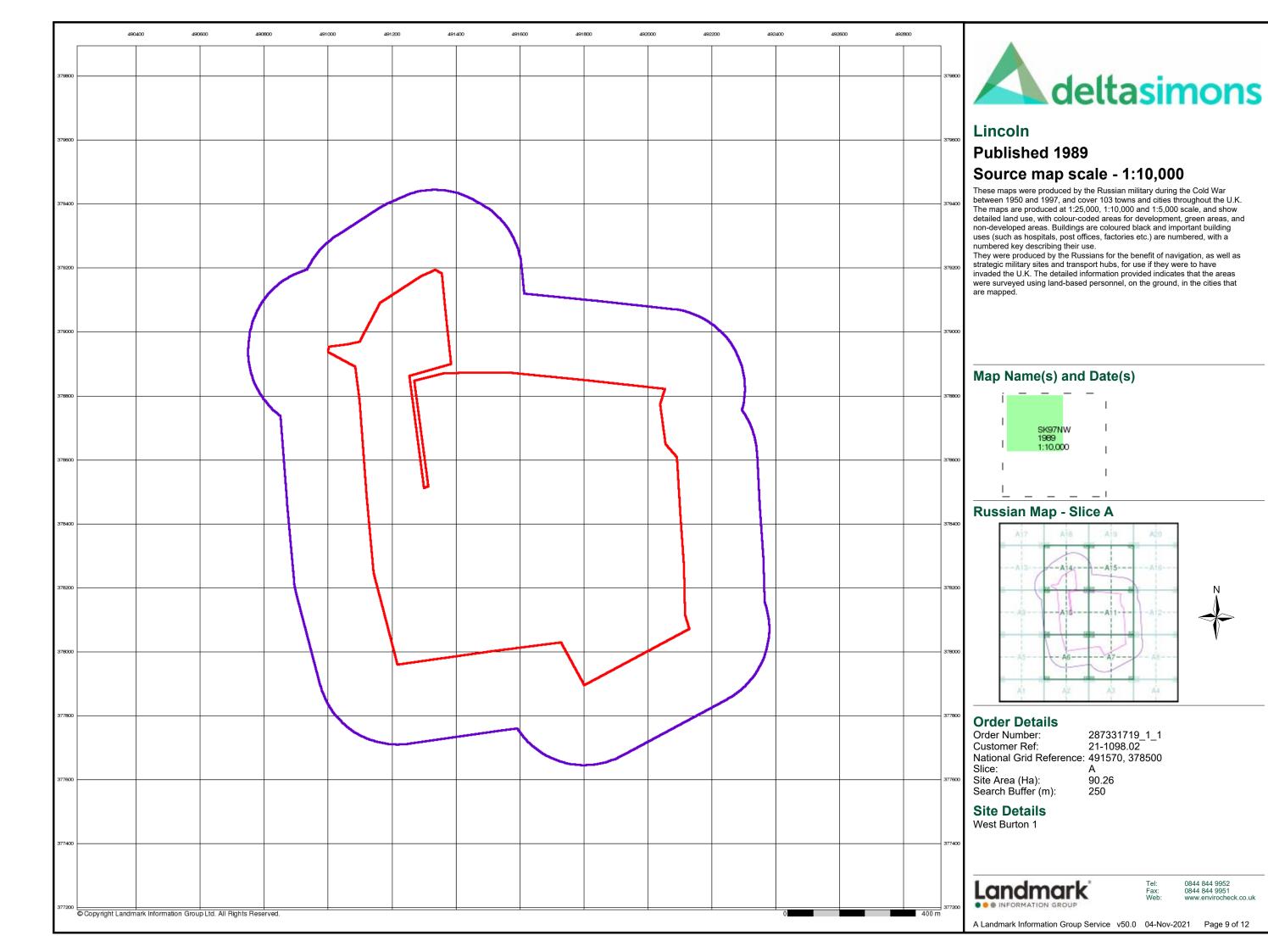
Site Area (Ha): Search Buffer (m): 90.26

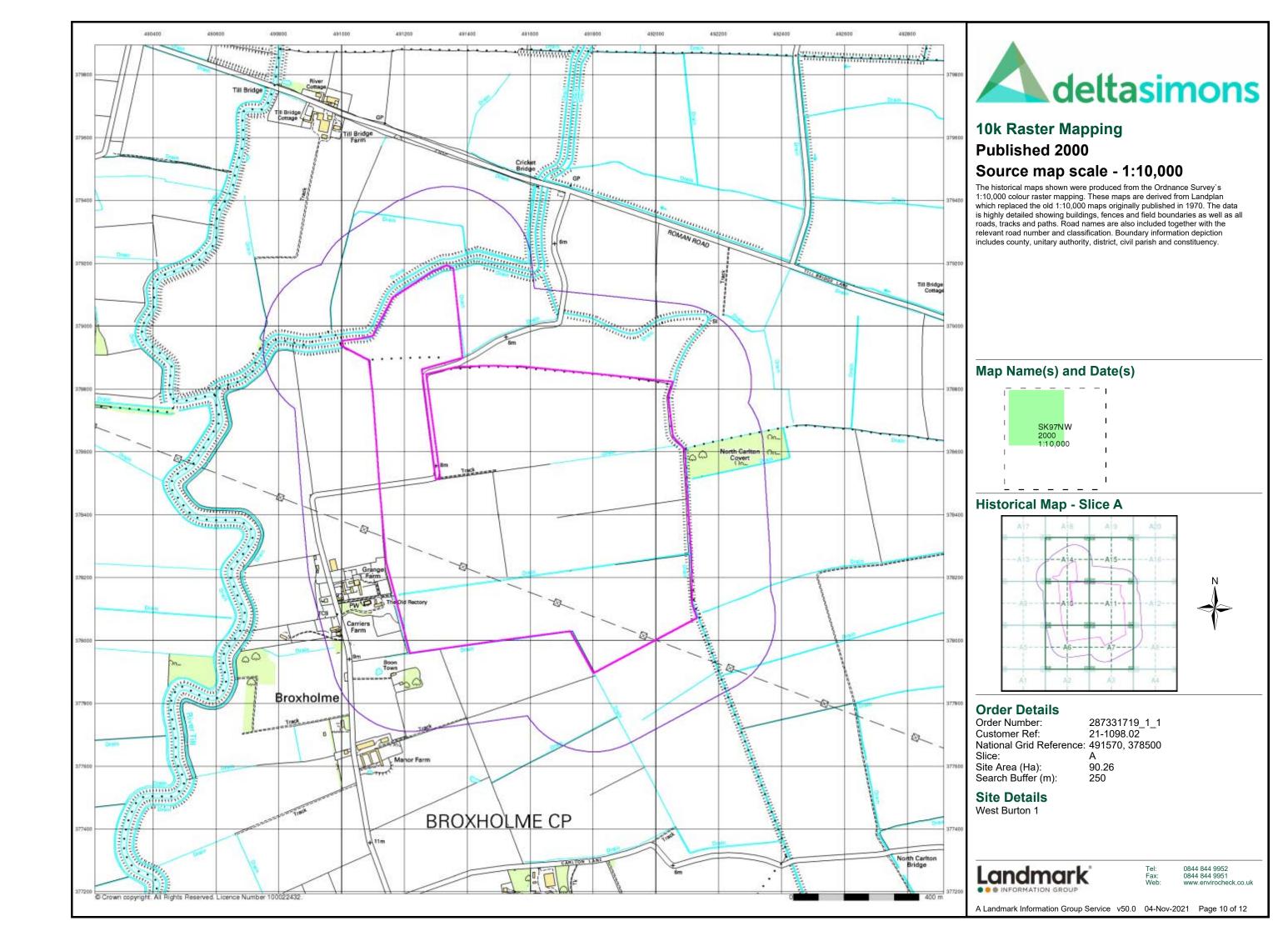
**Site Details** West Burton 1

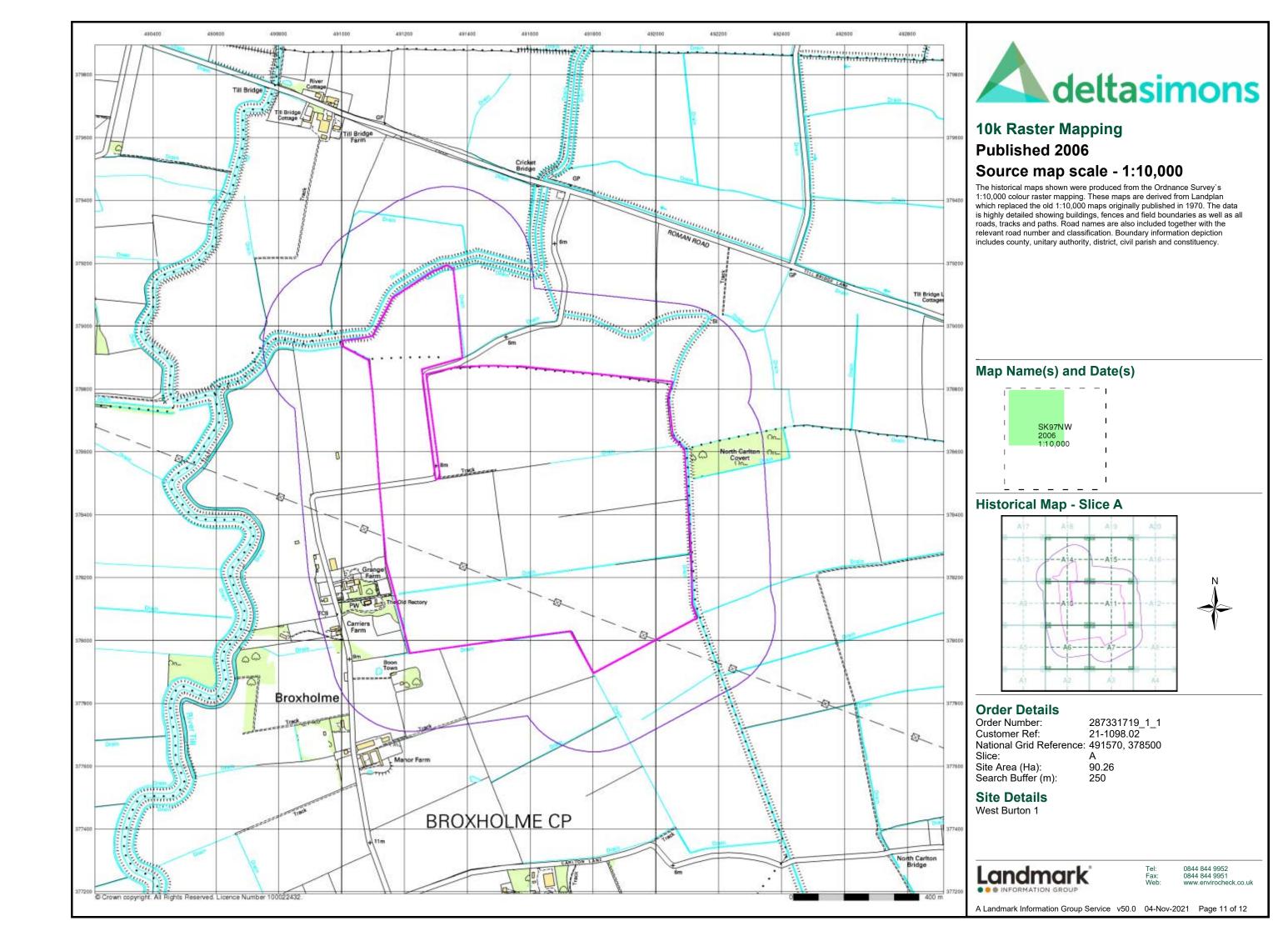
Landmark

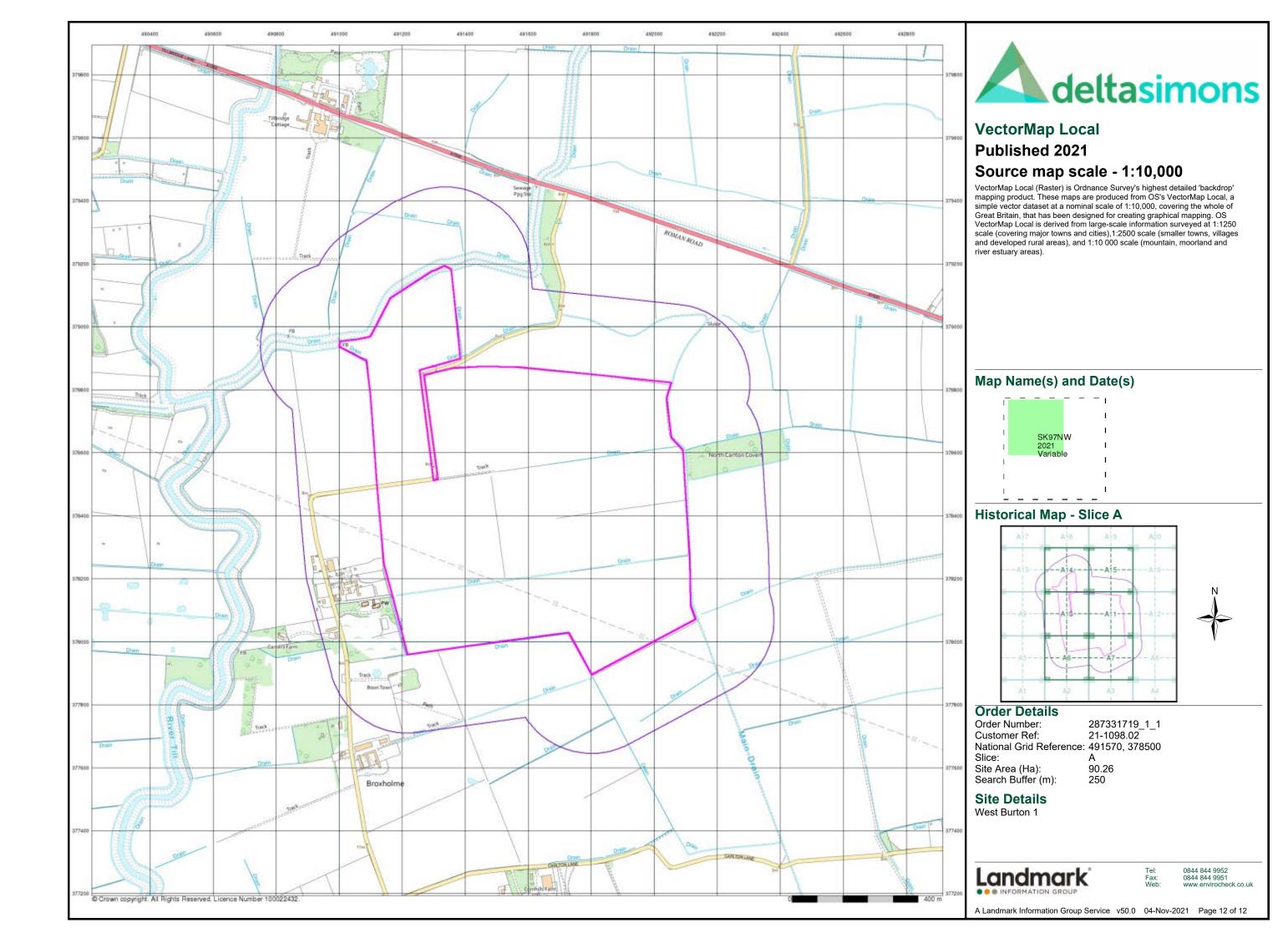
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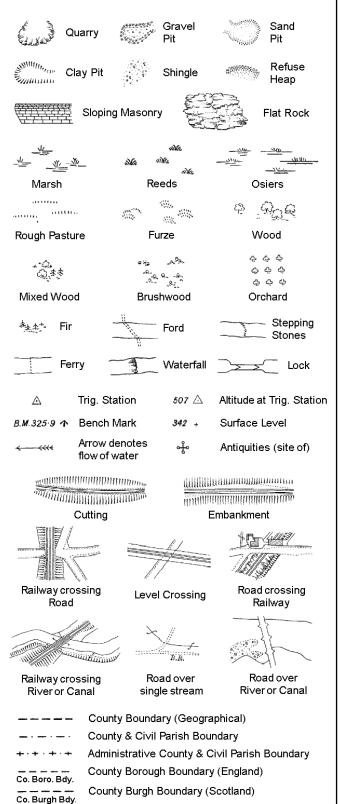








### **Ordnance Survey County Series and** Ordnance Survey Plan 1:2,500



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

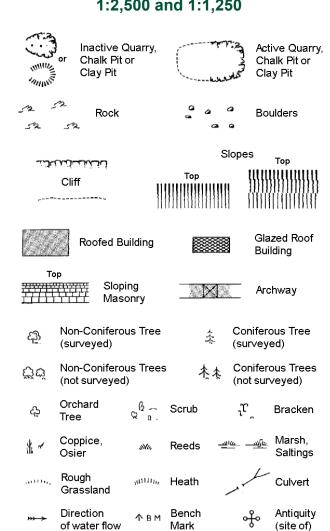
Trough Well

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

Triangulation

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			
الم الماليات. الم الماليات	للنابلات		Тор	1111111	Top 	
(	Cliff	111			((((((((	
,						
520	Rock		52	Rock (so	cattered)	
$\triangle$	Boulders		₽	Boulders	s (scattered)	
$\Box$	Positioned	Boulder		Scree		
ফ্র	Non-Conif (surveyed	erous Tree )	*	Conifero		
ζţά	Non-Conif (not surve	erous Trees yed)	* **	Coniferd (not sur	ous Trees /eyed)	
දා	Orchard Tree	© a .	Scrub	<sup>7</sup> μັ	Bracken	
* ~	Coppice, Osier	siNts,	Reeds 🛥	100 <u>- M</u> [0	Marsh, Saltings	
willing.	Rough Grassland	$uuu_{h}$	Heath	1	Culvert	
<b>&gt;&gt;→</b>	Direction of water flo	Δ ow	Triangulation Station	ું નું	Antiquity (site of)	
E <u>T</u> L	_ Electric	ity Transmi	ssion Line	$\boxtimes$	Electricity Pylon	
/ <del>/</del> / BM	231.60m E	Bench Mark		Building Building		
	Roofe	ed Building		201	azed Roof iilding	
		Ci∨il parish	/community b	oundary		
		District bo	=	,		
_	_		•			
_ •		County bo				
٥		Boundary		-1 (4	41	
P	,	-	mereing symb pear in oppose	,		
Bks	Barracks		Р	Pillar, Po	le or Post	
Bty	Battery		PO	Post Offi		
Cemy	Cemetery		PC	Public C	onvenience	
Chy	Chimney		Pp	Pump		
Cis	Cistern		Ppg Sta	Pumping		
Dismtd R	•	tled Railway	PW	Place of		
El Gen Si	ta Electric Station	ity Generating	Sewage F		ewage umping Station	
EIP	Electricity	Pole, Pillar	SB, S Br		ox or Bridge	
El Sub St	ta Electricity		SP, SL	_	ost or Light	
FB	Filter Bed		Spr	Spring	<u> </u>	
	Fountain (	Drinking Etc	Tν	Topker		

Fn / D Fn Fountain / Drinking Ftn.

Gas Governer

**Guide Post** 

Manhole

Gas Valve Compound

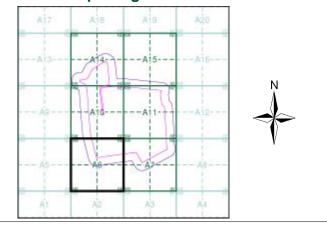
Mile Post or Mile Stone



### **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 A6**



#### **Order Details**

Order Number: 287331719\_1\_1 21-1098.02 **Customer Ref:** National Grid Reference: 491570, 378500 Slice:

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

**Site Details** West Burton 1

Tank or Track

Works (building or area)

Trough

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

Tr

Wd Pp

Wks

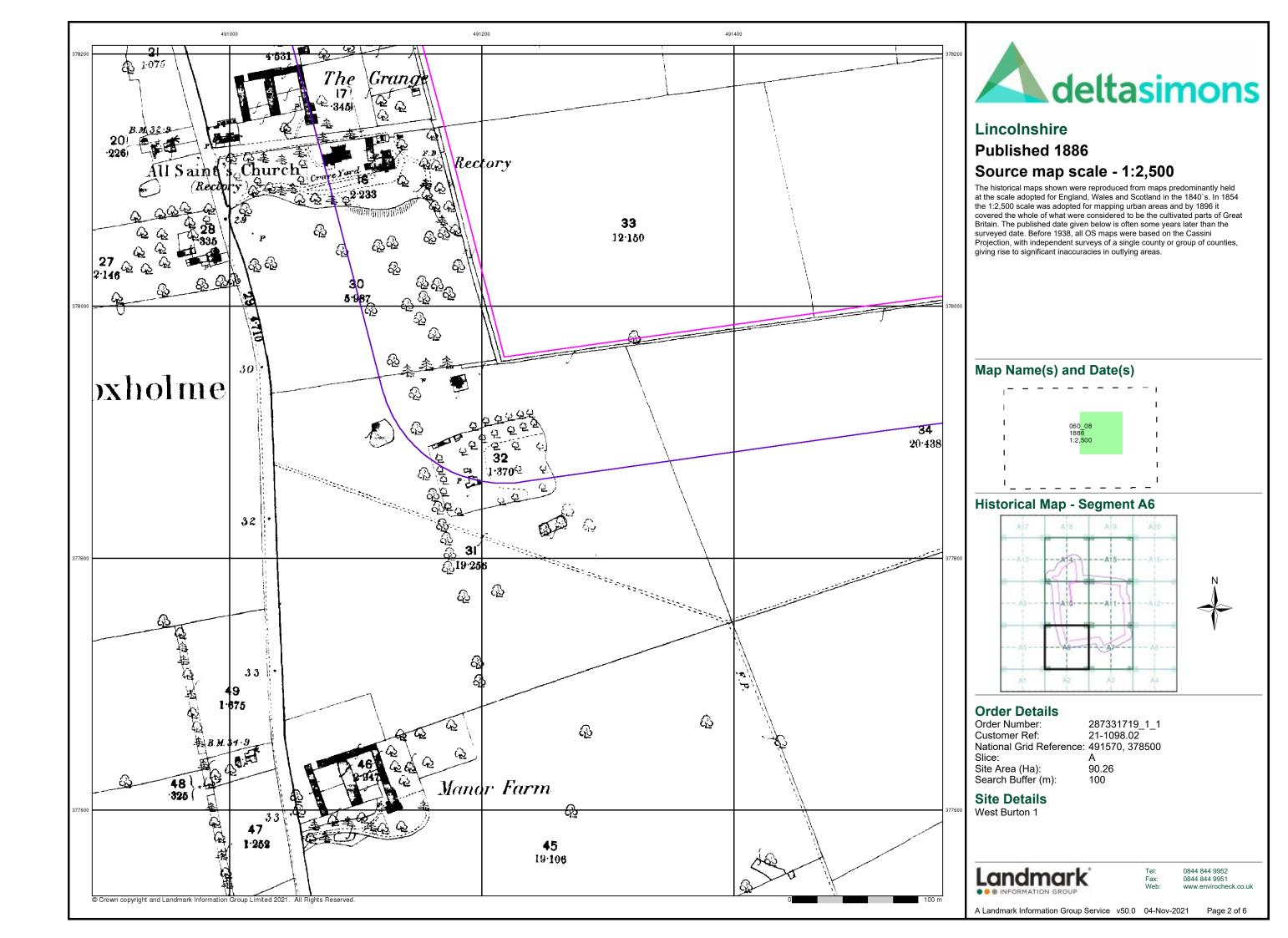


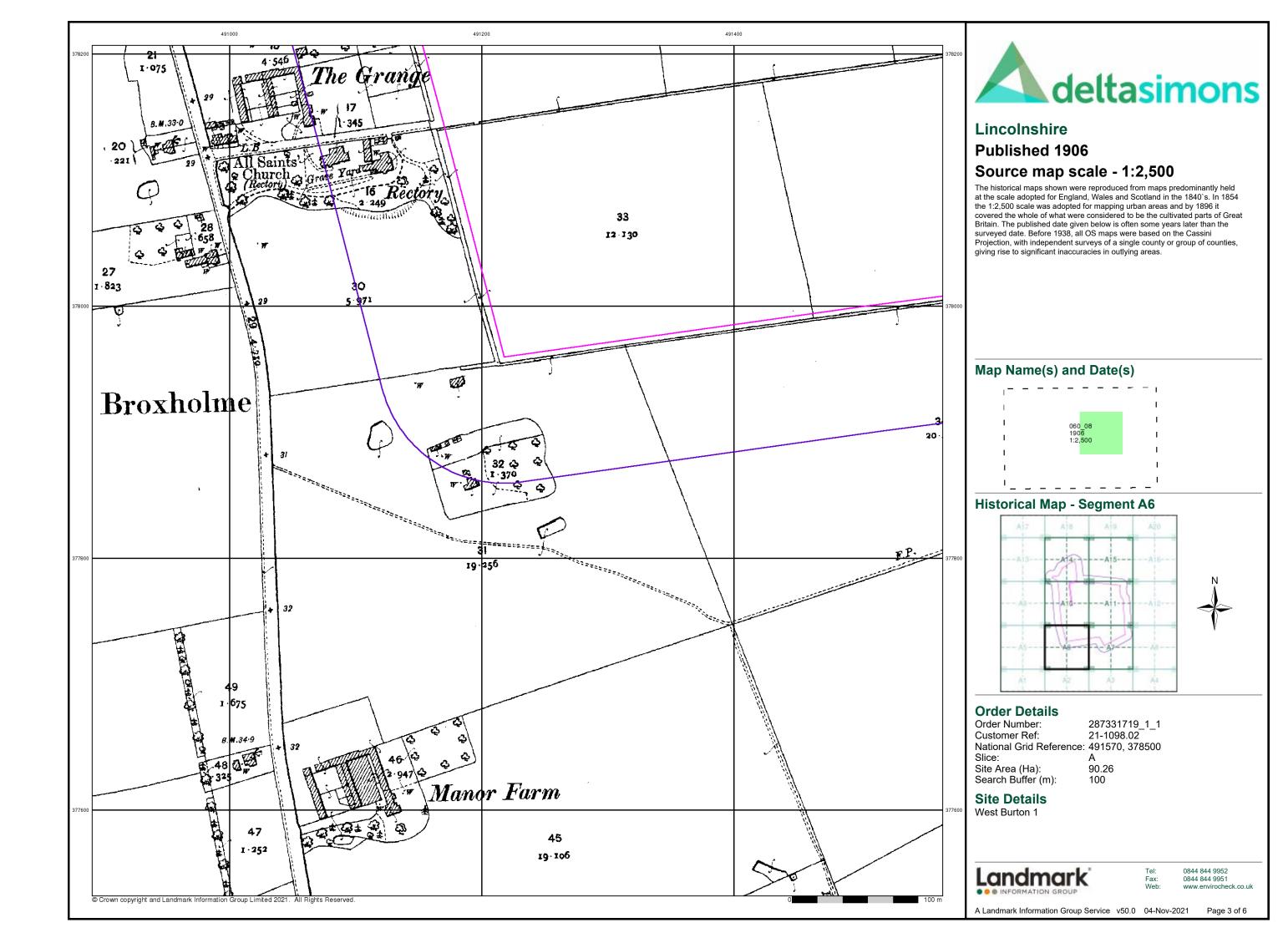
0844 844 9952

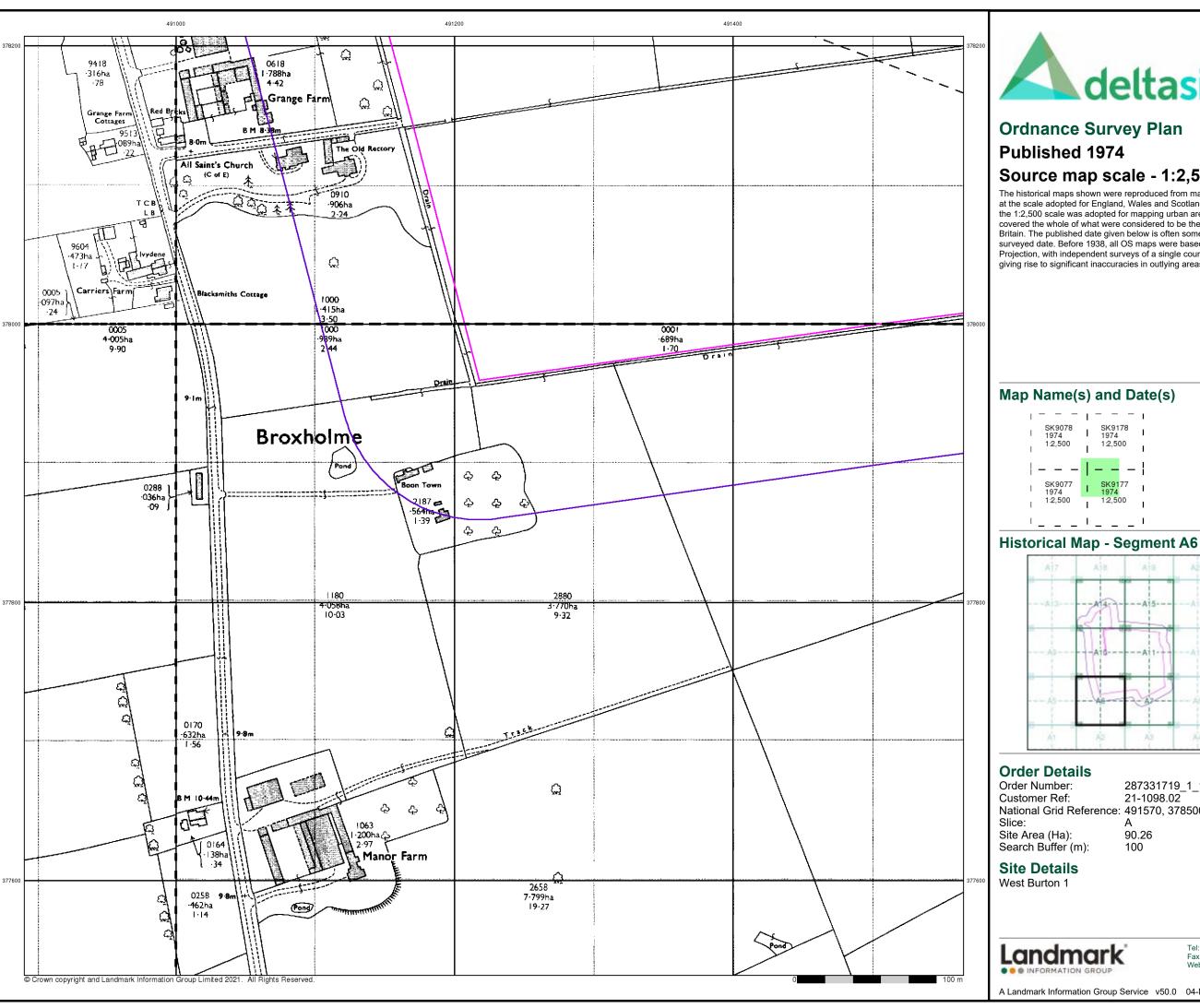
Page 1 of 6

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

90.26





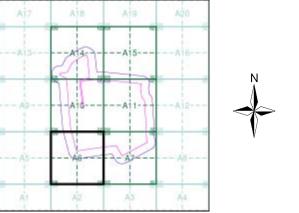




# **Ordnance Survey Plan** Source map scale - 1:2,500

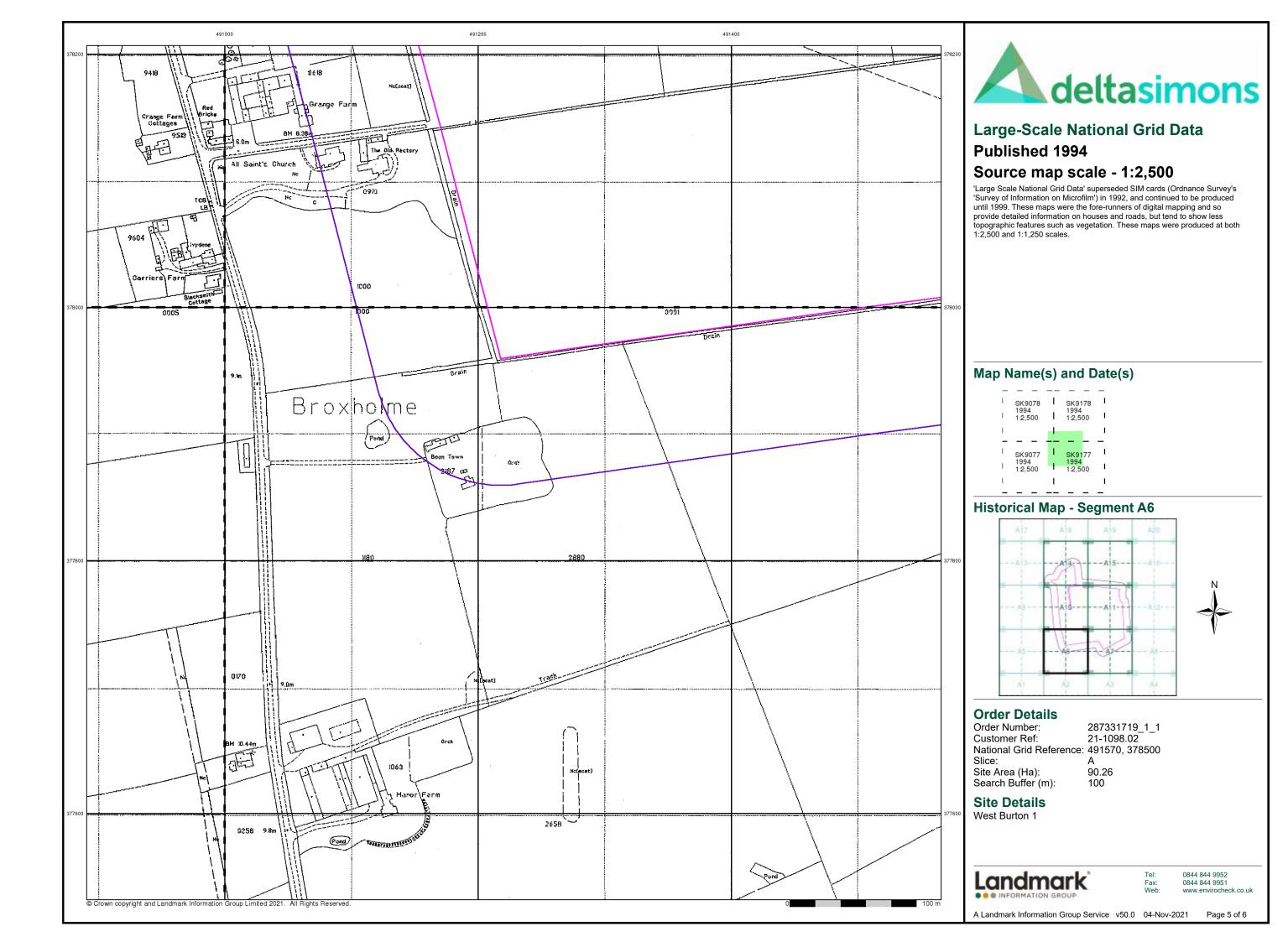
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

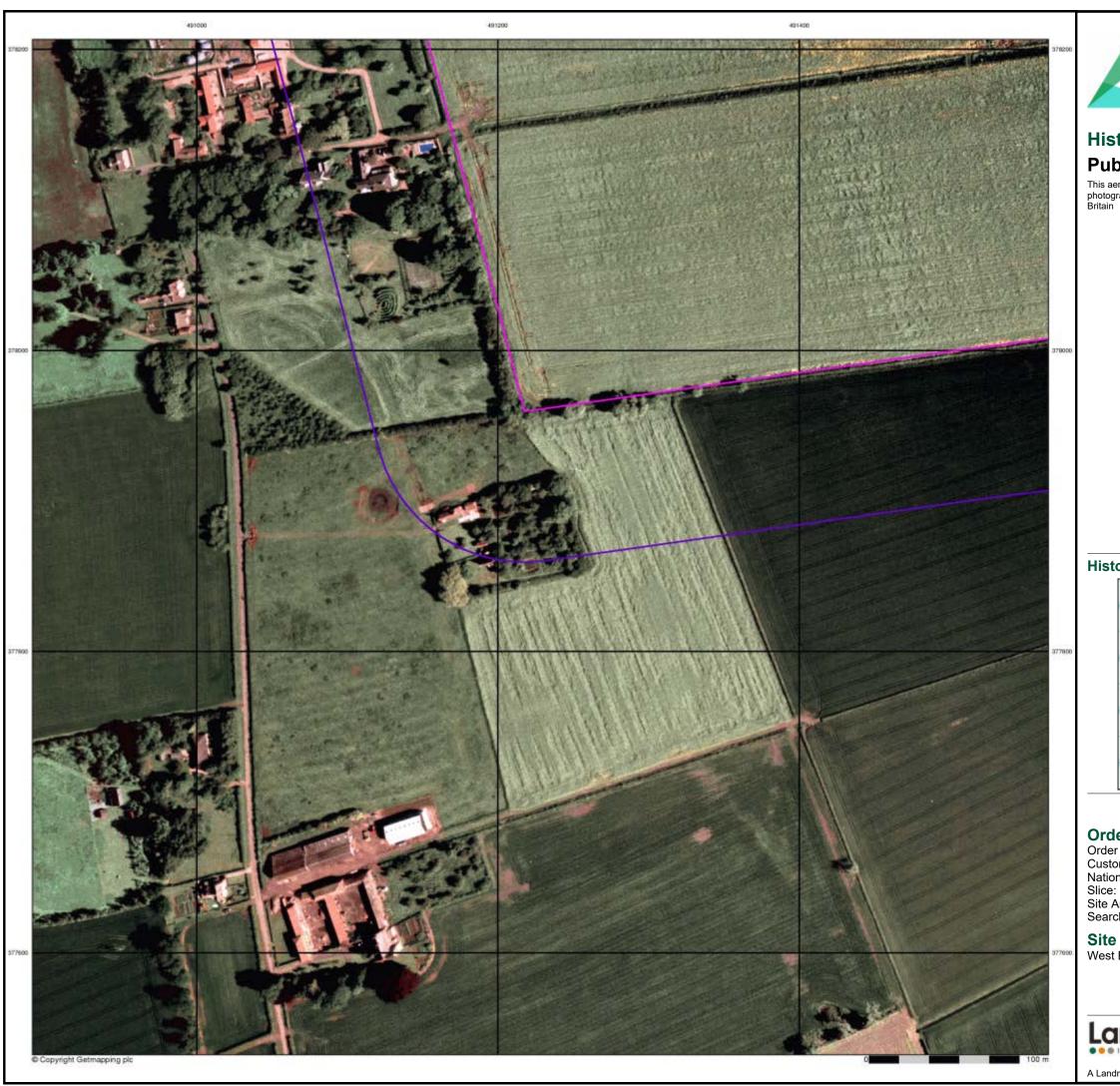
### Map Name(s) and Date(s)



287331719\_1\_1 21-1098.02 National Grid Reference: 491570, 378500

0844 844 9952



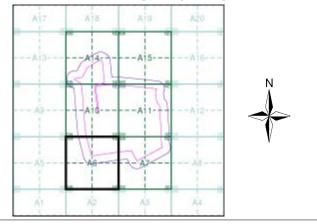




## **Historical Aerial Photography** Published 1999

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 A6**



### **Order Details**

Order Number: 287331719\_1\_1
Customer Ref: 21-1098.02
National Grid Reference: 491570, 378500

Site Area (Ha): Search Buffer (m): 90.26

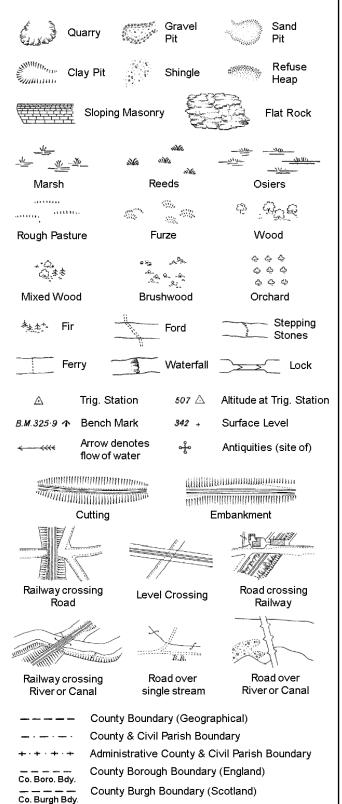
**Site Details** West Burton 1

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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

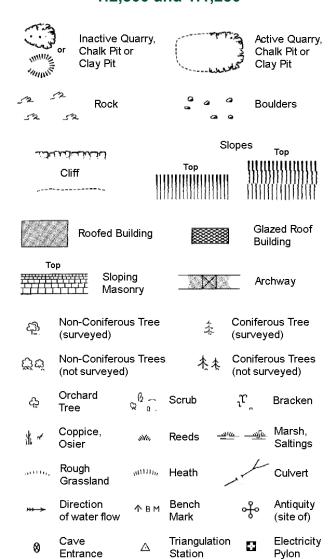
Trough Well

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



**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

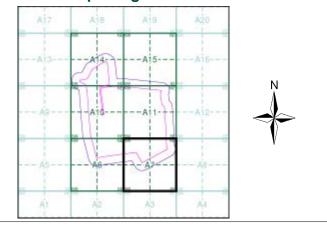
			Sle	opes	
	للنبليان		Тор	1111111	Top 
C	Cliff	1111	HANION HANA		111111111111
,		1111			11111111111
520	Rock		7,5	Rock (so	attered)
$\triangle_{a}$	Boulders		<i>△</i>	Boulders	s (scattered)
$\triangle$	Positioned	Boulder		Scree	
C 13	Non-Conife (surveyed)		\$	Conifero	
C3 C5	Non-Conife (not survey	erous Trees red)	未未	Conifero	ous Trees /eyed)
45	Orchard Tree	Q 0.	Scrub	'n,	Bracken
	Coppice, Osier	sNe.	Reeds 🛥	<u>. നിര</u>	Marsh, Saltings
	Rough Grassland	<sub>0</sub> 01111 <sub>11</sub> ,	Heath	1	Culvert
***	Direction of water flo	Δ w	Triangulation Station	, &	Antiquity (site of)
E <u>T</u> L	Electrici	ty Transmis	sion Line	$\boxtimes$	Electricity Pylon
K BM	231.6ûm B	ench Mark		Building Building	gs with g Seed
	Roofe	d Building		∞1	azed Roof iilding
		Civil narish	community b	oundary	
		District bou	=		
		County bou	ındarv		
٥		Boundary p	="		
مر		Boundary n	nereing symb ear in oppose	. ` .	
Bks	Barracks		Р	Pillar, Pol	le or Post
Bty	Battery		PO	Post Offi	
Cemy	Cemetery		PC		onvenience
Chy	Chimney		Pp	Pump	<b>-</b>
Cis Dismtd Pl	Cistern	lad Dailway	Ppg Sta PW	Pumping Place of	
Dismtd RI El Gen St	a Electrici	led Railway ty Generating	Sewage F		wage
ELD	Station	Pala Billar	QD QD-		ımping Station
El P El Sub St	Electricity I		SB, S Br	_	ox or Bridge
FB FB	a Electricity: Filter Bed	JUD SIALIUII	SP, SL Spr		ost or Light
FD / D Fn		Drinking Ftn.	Spr Tk	Spring Tank or T	rack
Gas Gov	Gas Valve	_	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	1973 - 1974	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

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



#### **Order Details**

Order Number: 287331719\_1\_1 **Customer Ref:** 21-1098.02 National Grid Reference: 491570, 378500 Slice:

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

**Site Details** 

West Burton 1

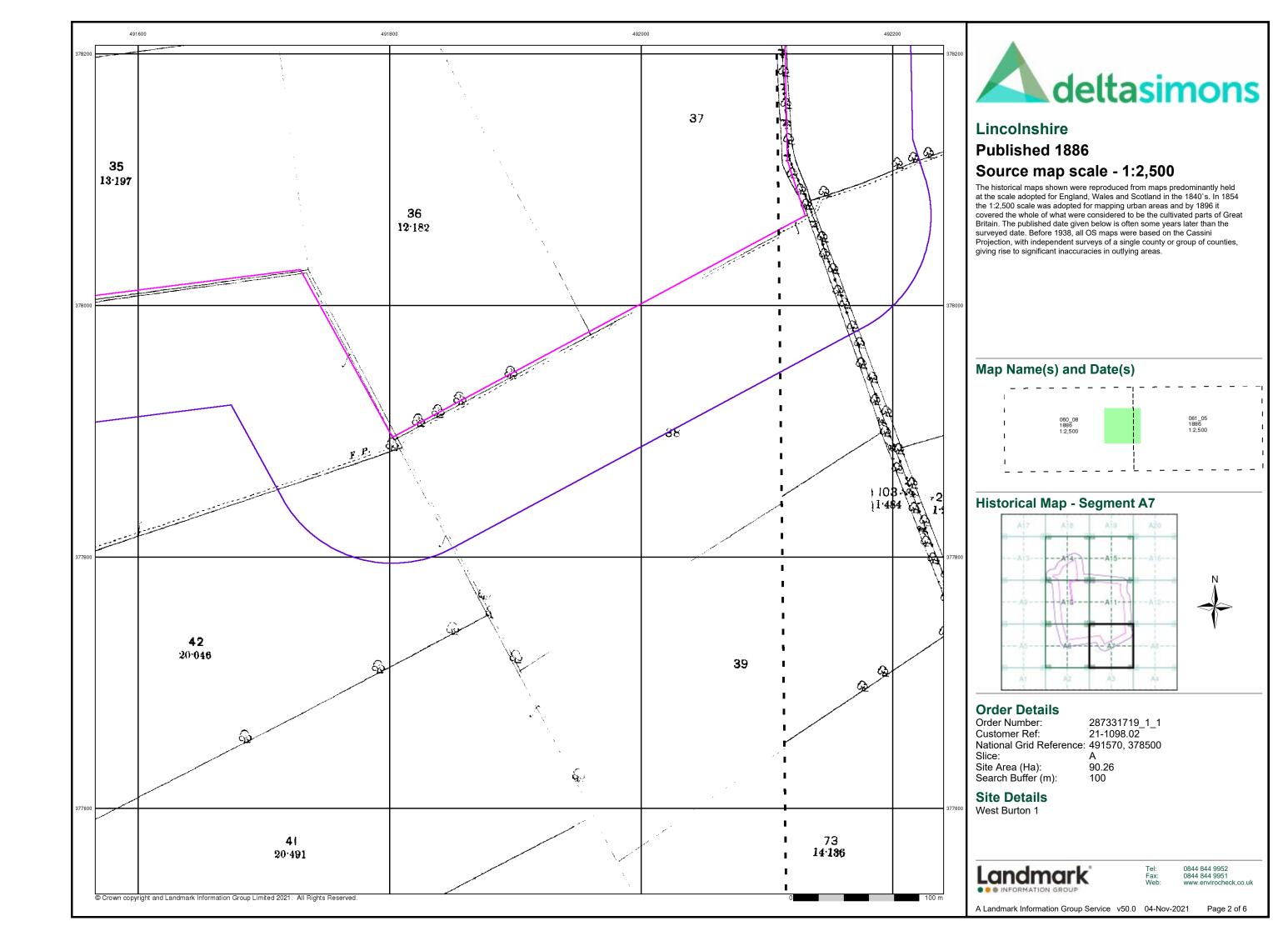


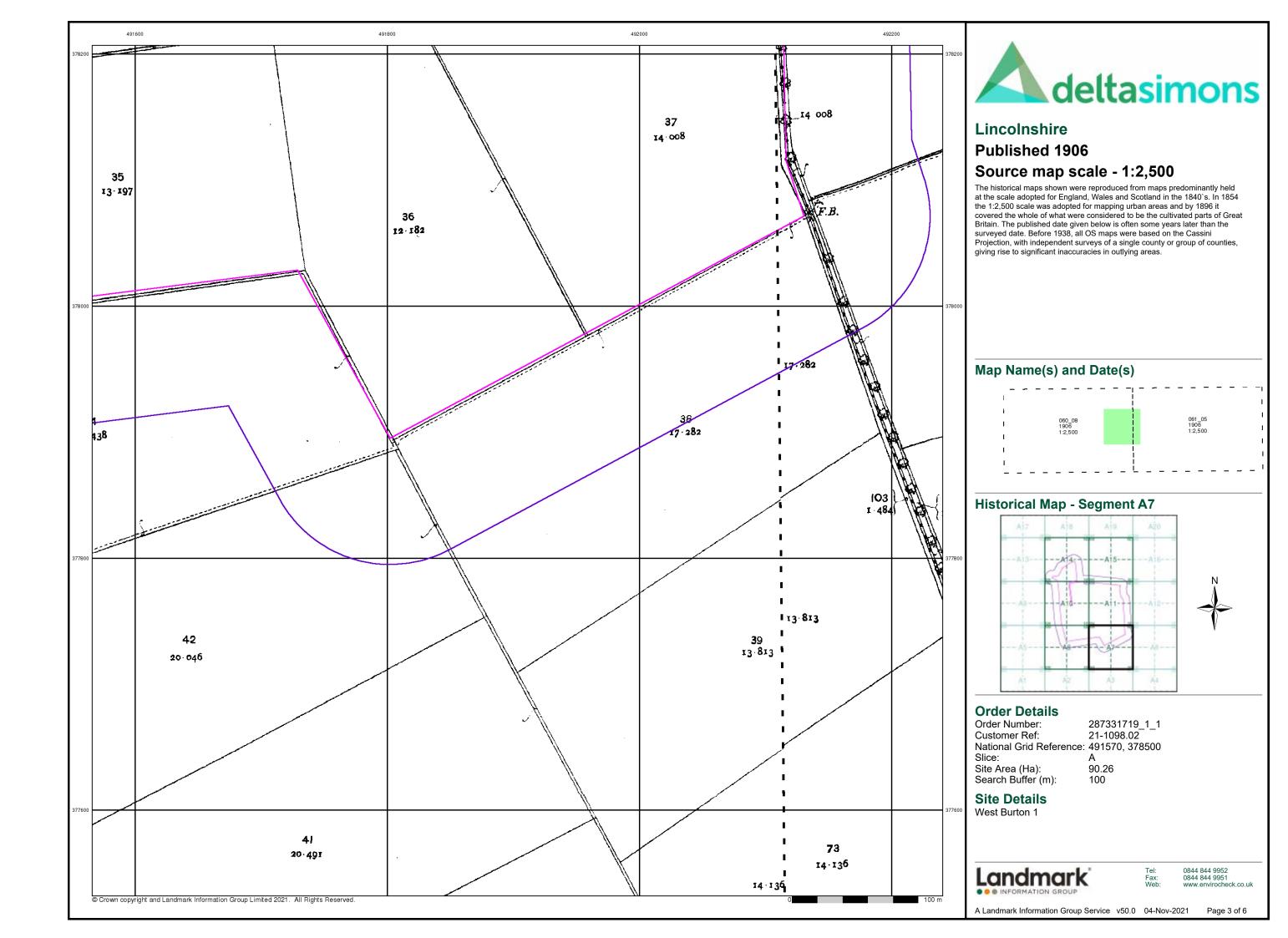
0844 844 9952 0844 844 9951

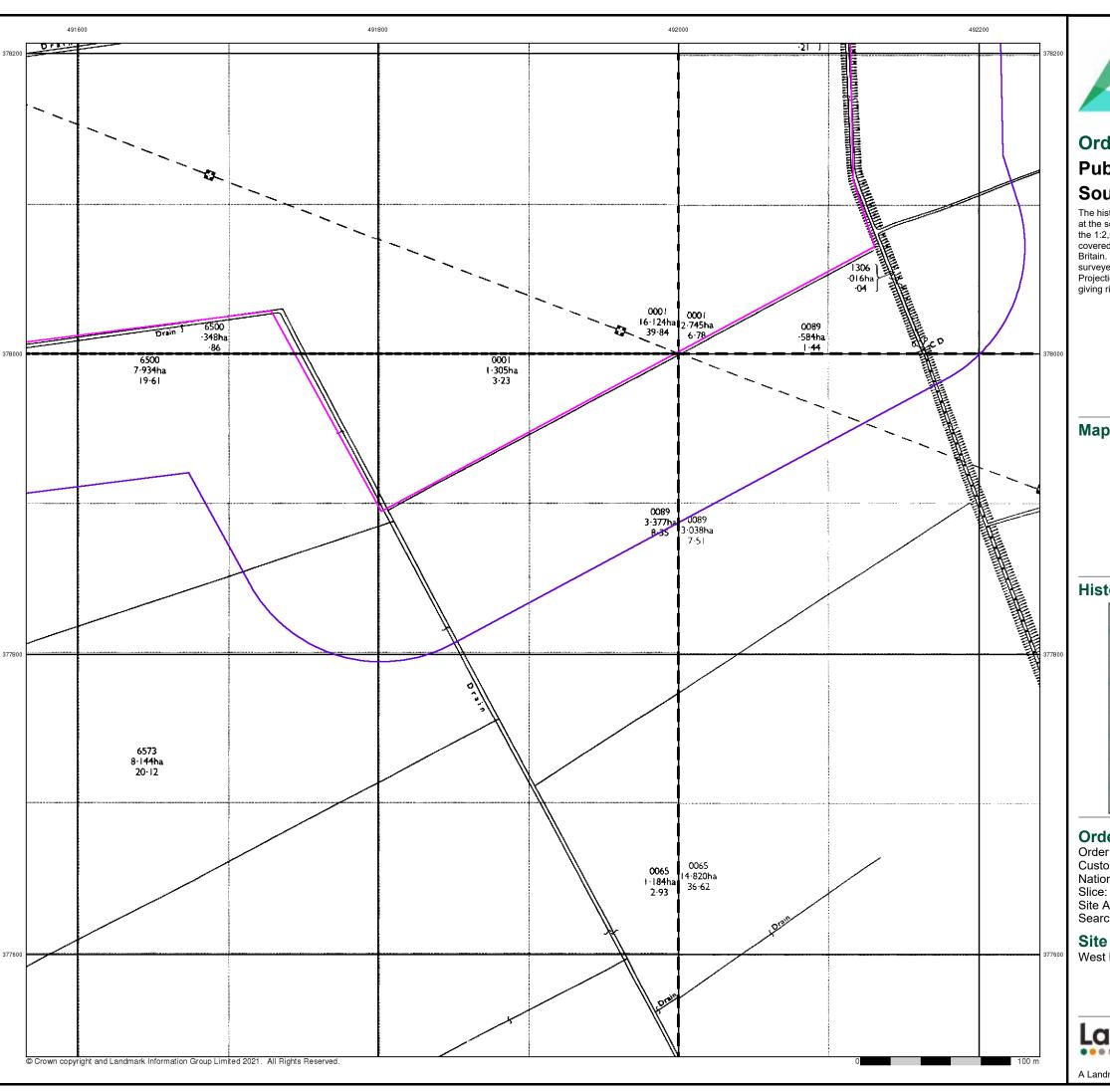
Page 1 of 6

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

90.26









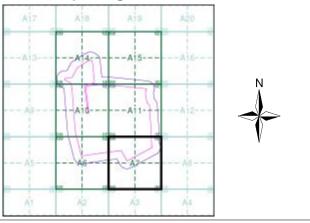
## **Ordnance Survey Plan Published 1973 - 1974** Source map scale - 1:2,500

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)

 	SK9178 1974	SK9278	1
	1:2,500	I 1:2,500	!
1	SK9177 1974 1:2,500	SK9277 1973 1:2,500	1
1		1	1

## Historical Map - Segment A7



### **Order Details**

Order Number: 287331719\_1\_1
Customer Ref: 21-1098.02
National Grid Reference: 491570, 378500

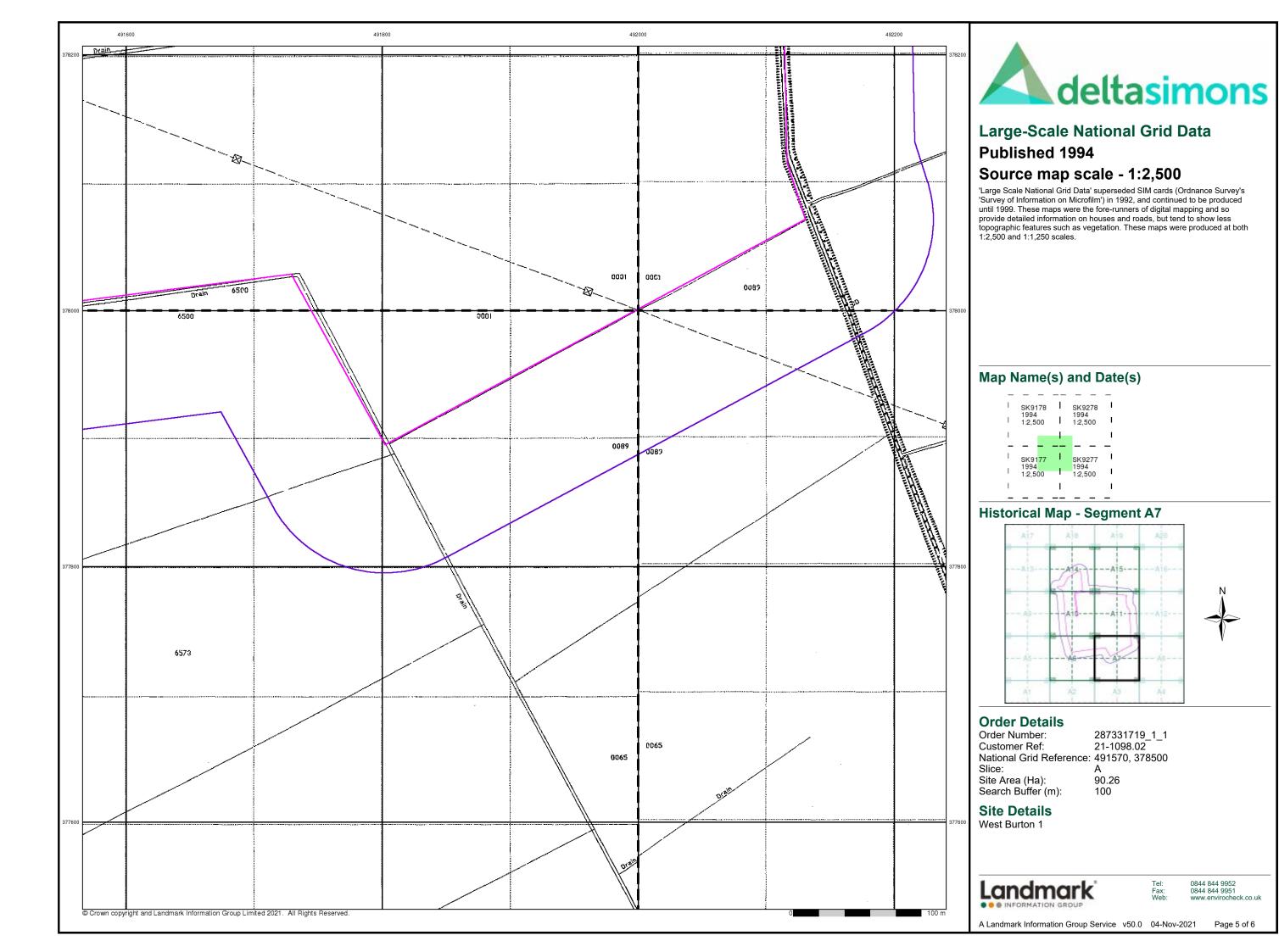
Site Area (Ha): Search Buffer (m): 90.26

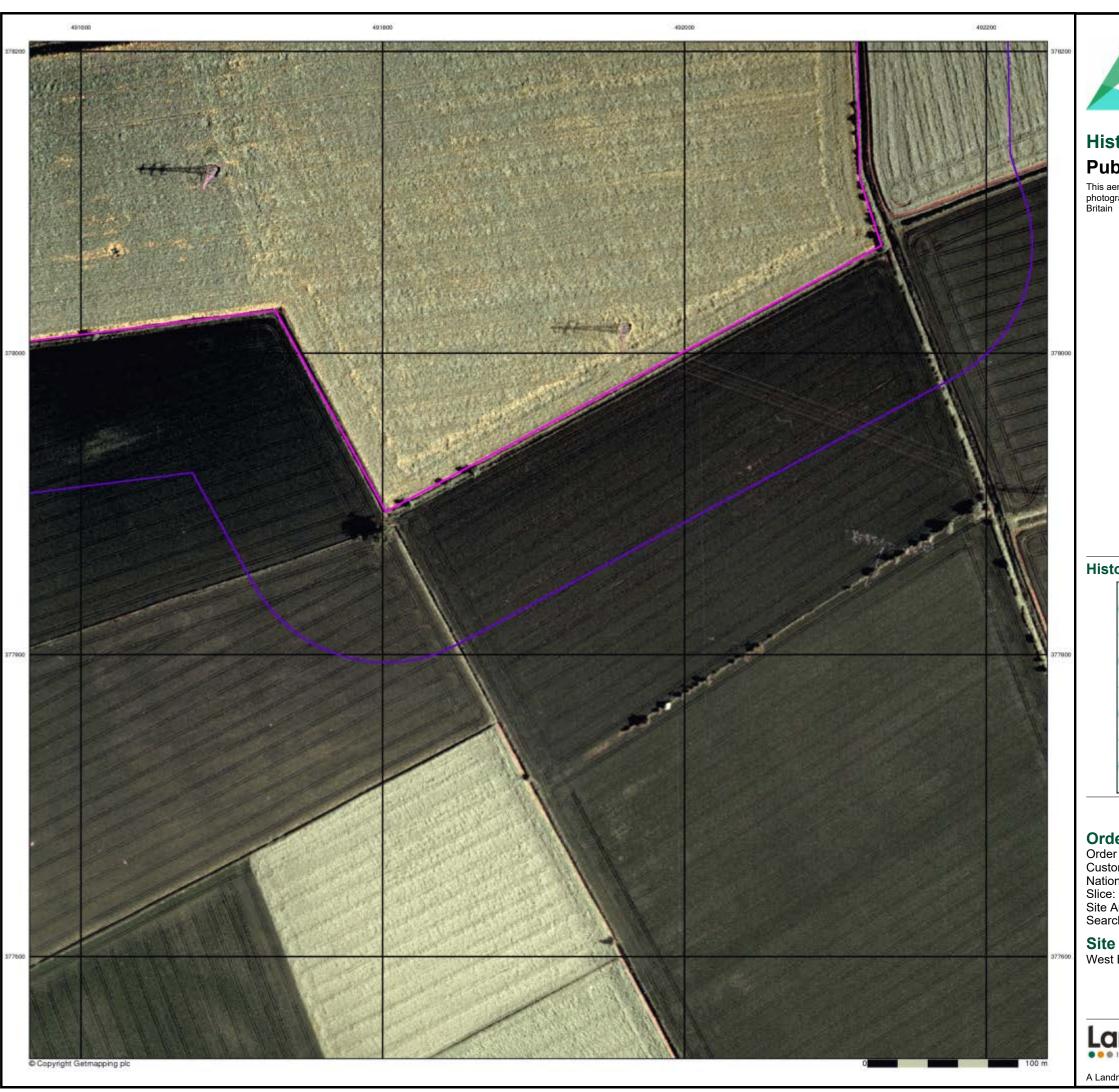
### **Site Details**

West Burton 1



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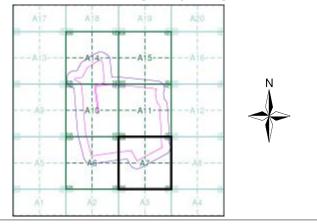




## **Historical Aerial Photography** Published 1999

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: 287331719\_1\_1
Customer Ref: 21-1098.02
National Grid Reference: 491570, 378500

Site Area (Ha): Search Buffer (m): 90.26

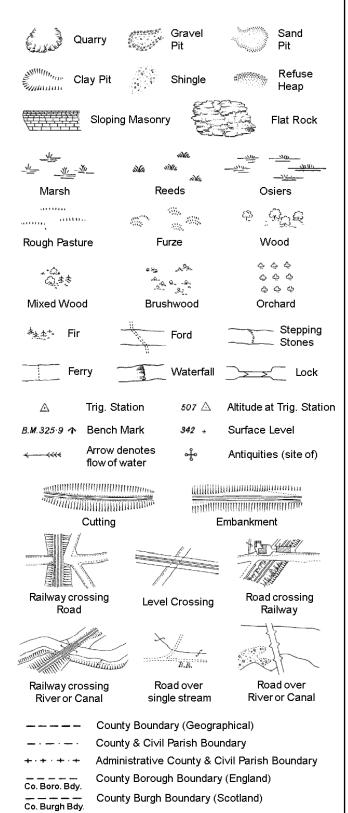
**Site Details** 

West Burton 1

Landmark INFORMATION GROUP

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### **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

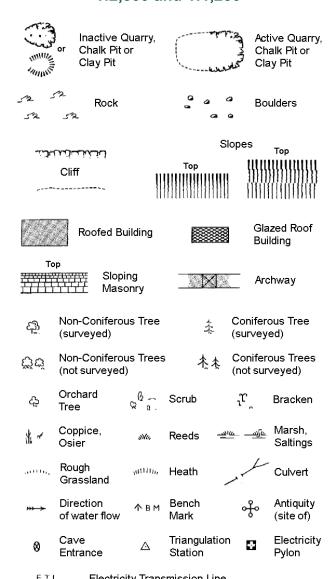
Trough Well

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			
بالمثند	المنافعات. المنافعات	To	ор	10111111	
	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
\ ₩\ BM	231.60m Bench	Mark		Building Building	
	Roofed Bui	lding		9	azed Roof ilding
	Civil	parish/com	munity ho	nundary	
		ict bounda	-	ouridar y	
			-		
		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			<b>T</b>	Tunnel	

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

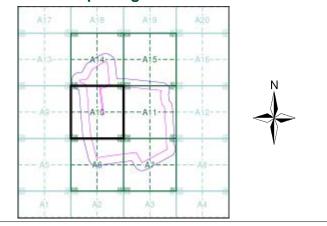
Wks



### **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 A10**



#### **Order Details**

Order Number: 287331719\_1\_1 **Customer Ref:** 21-1098.02 National Grid Reference: 491570, 378500 Slice:

Site Area (Ha):

90.26 Search Buffer (m):

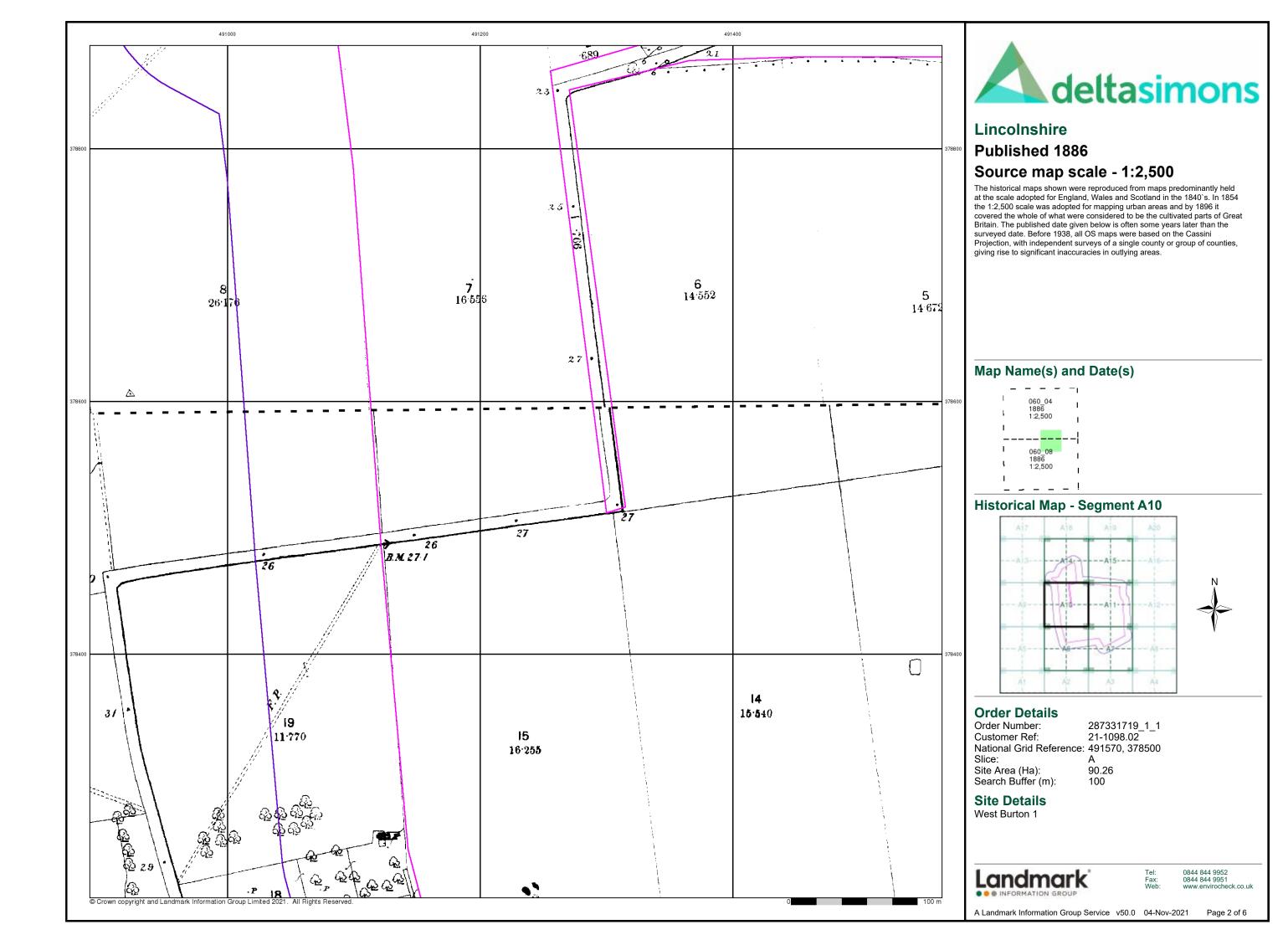
### **Site Details**

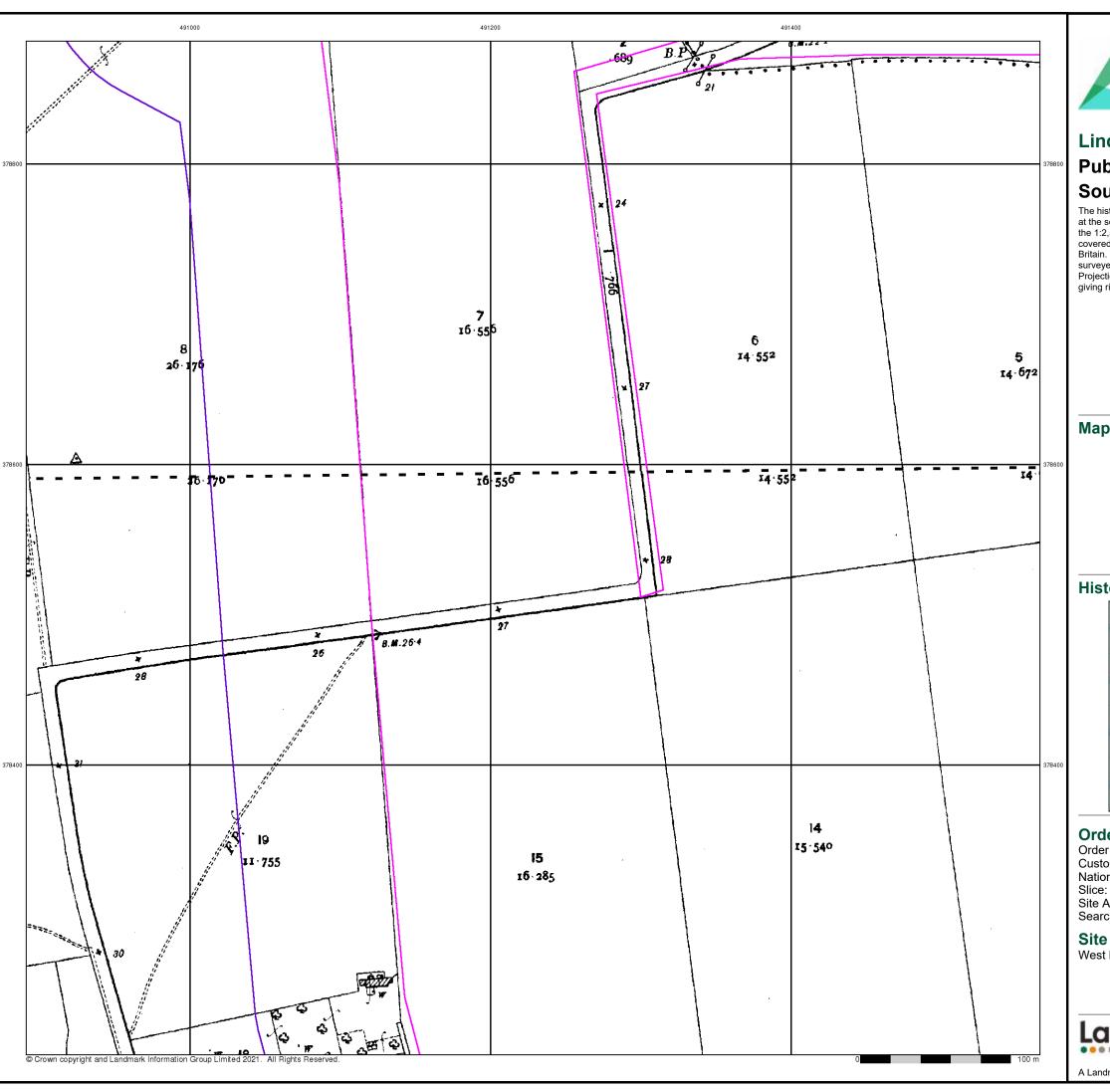
West Burton 1



0844 844 9952 0844 844 9951

Page 1 of 6





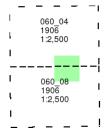


### Lincolnshire

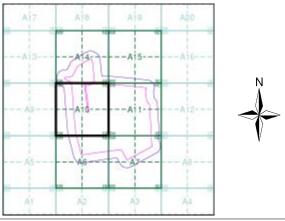
## Published 1906 Source map scale - 1:2,500

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 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 A10**



### **Order Details**

Order Number: 287331719\_1\_1
Customer Ref: 21-1098.02
National Grid Reference: 491570, 378500

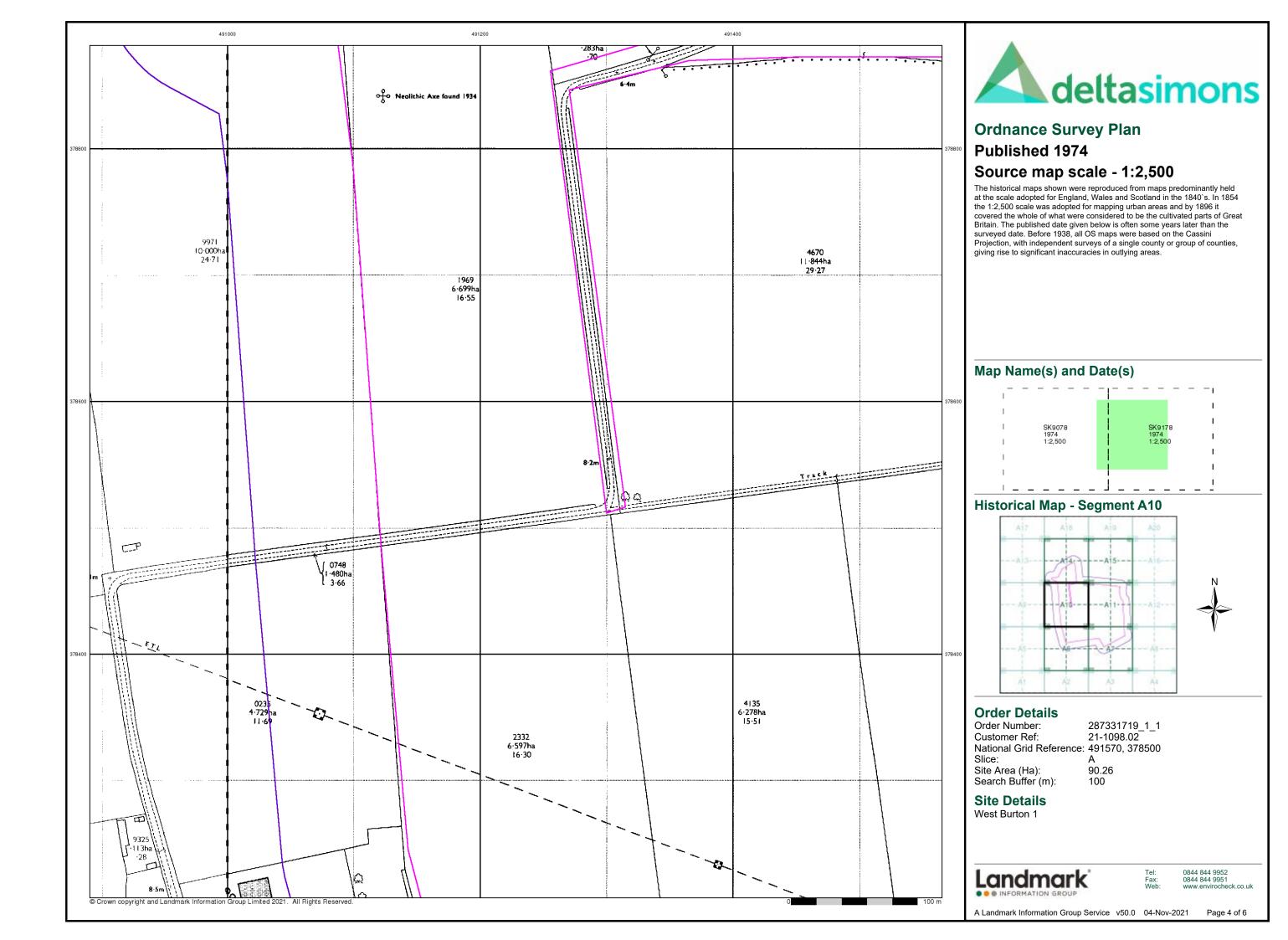
Site Area (Ha): Search Buffer (m): 90.26

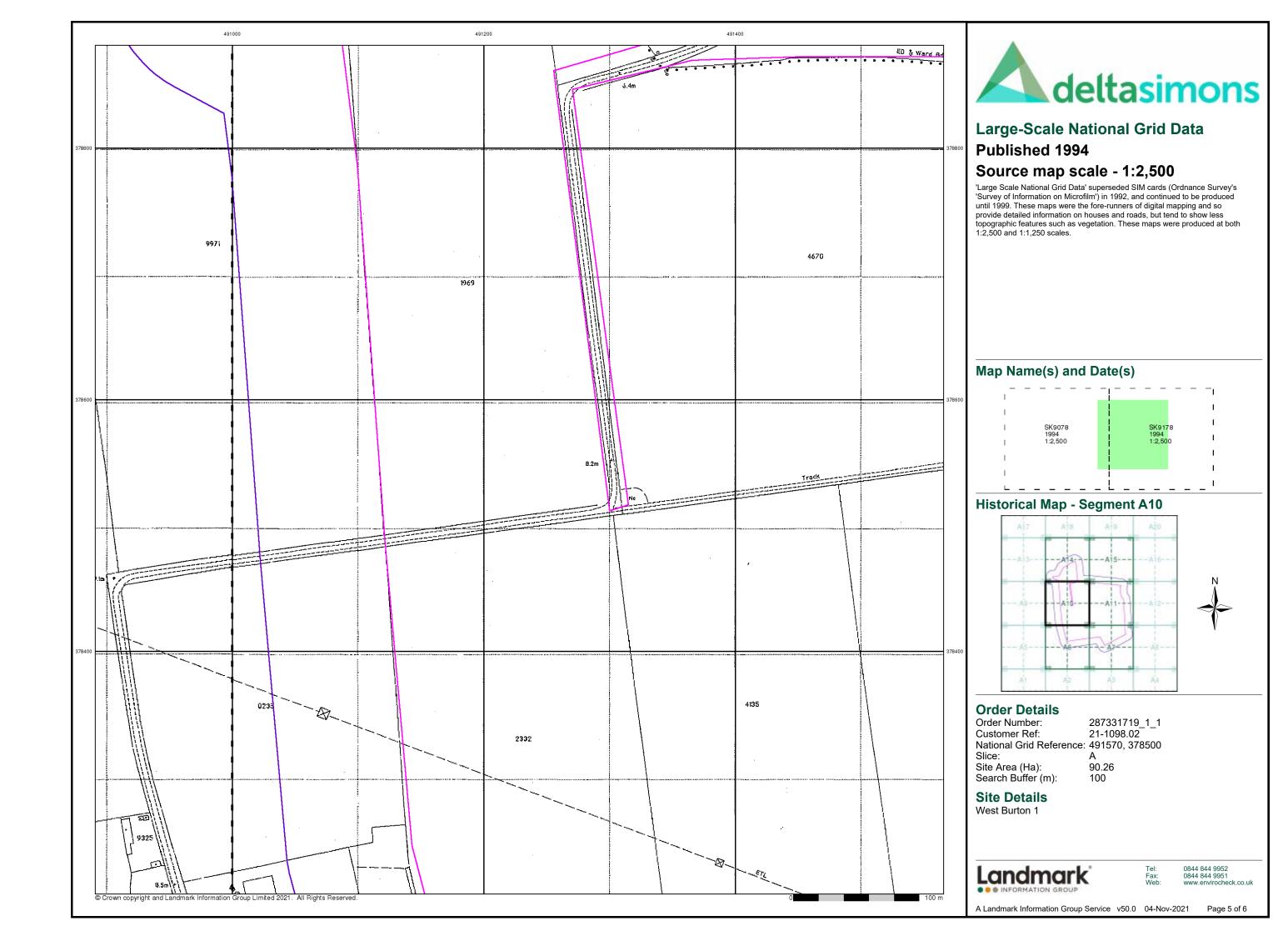
### **Site Details**

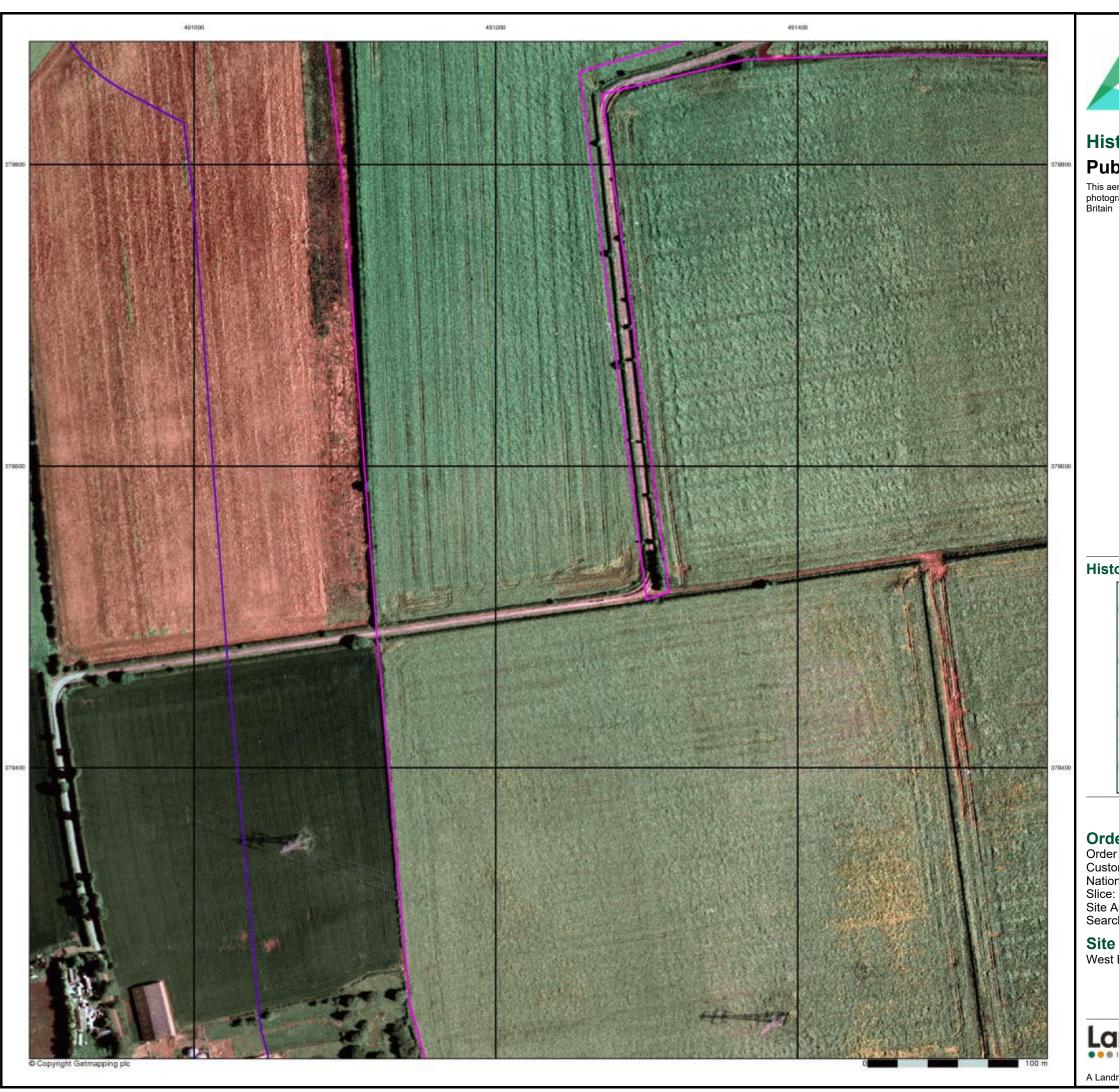
West Burton 1



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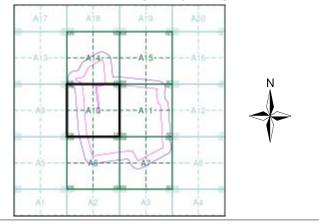




## **Historical Aerial Photography** Published 1999

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: 287331719\_1\_1
Customer Ref: 21-1098.02
National Grid Reference: 491570, 378500

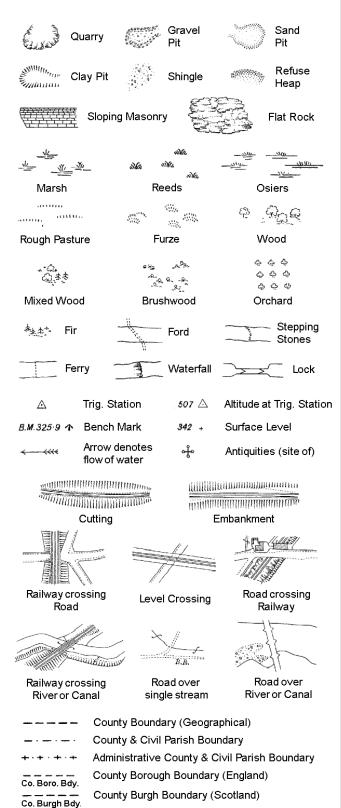
Site Area (Ha): Search Buffer (m): 90.26

**Site Details** West Burton 1

Landmark INFORMATION GROUP

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### **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

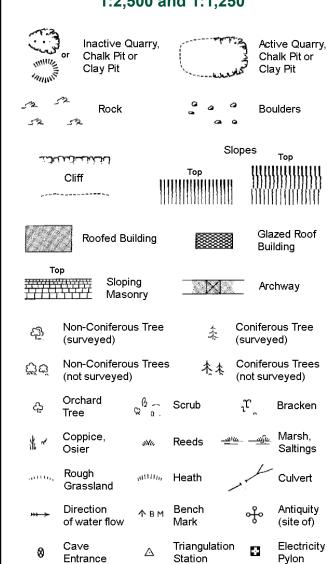
Well

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 Electi	ricity 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	opes	
وأملاند	للنبليان		Тор	1111111	Top 
	Cliff	1111	111111111111111111111111111111111111111		
	,				
Da	Rock		7,3	Rock (so	cattered)
$\square_{\triangle}$	Boulders		Δ	Boulders	s (scattered)
	Positioned	Boulder		Scree	
<u> 원</u>	Non-Conif	erous Tree )	*	Coniferd (surveye	
ర్లోలే	Non-Conife (not surve	erous Trees yed)	***	Conifero	ous Trees /eyed)
දා	Orchard Tree	Q a.	Scrub	<sup>1</sup> T,	Bracken
* ~	Coppice, Osier	siVic,	Reeds 🛥	<u> ம_ அம</u>	Marsh, Saltings
actin,	Rough Grassland	mun,	Heath	1	Culvert
<del>**&gt; &gt;</del>	Direction of water flo	Δ	Triangulation Station	, of	Antiquity (site of)
E_T_L	_ Electric	ity Transmis	ssion Line	$\boxtimes$	Electricity Pylon
\ <sup>€</sup> / вм	231.60m E	Bench Mark		Building Building	gs with g Seed
	Roofe	ed Building		81	azed Roof iilding
		Civil parish	/community b	oundary	
		District box			
		County box	-		
		Boundary			
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	u <del>.</del> "	Ppg Sta	Pumping	
Dismtd F	•	tled Railway it: Conorating	PW Sowage B	Place of	
El Gen S	ta Electric Station	ity Generating	Sewage P		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	r Fountain /	Drinking Ftn.	Tk	Tank or T	rack
Gas Gov	Gas Valve	Compound	Tr	Trough	

Gas Governer

Mile Post or Mile Stone

**Guide Post** 

Manhole

Wd Pp

Wks

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

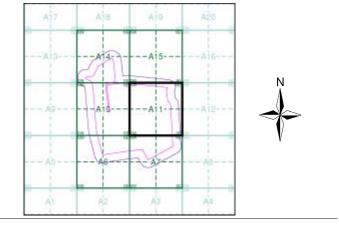
Works (building or area)



### **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 A11**



#### **Order Details**

Order Number: 287331719\_1\_1 **Customer Ref:** 21-1098.02 National Grid Reference: 491570, 378500 Slice:

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

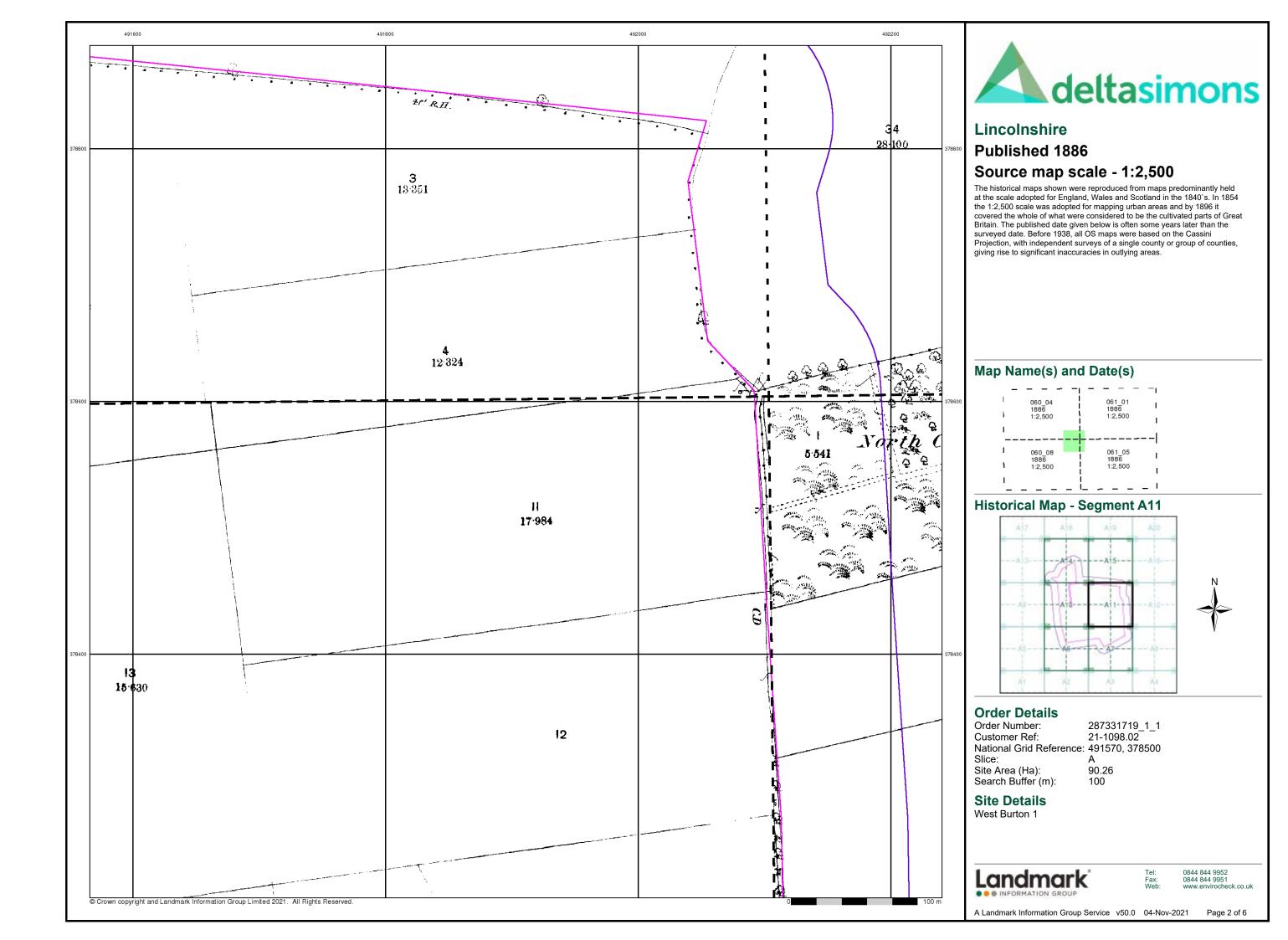
90.26

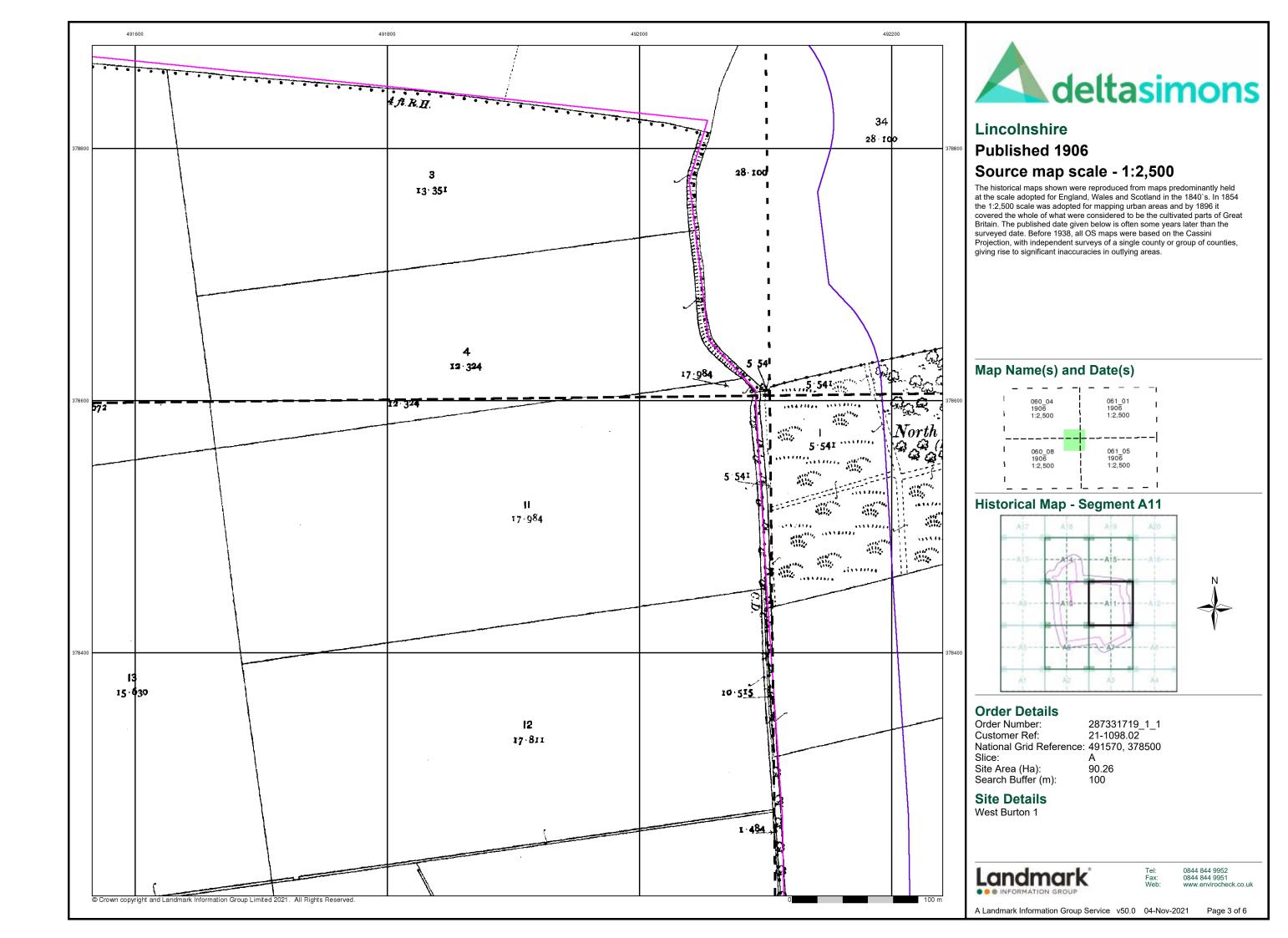
**Site Details** West Burton 1

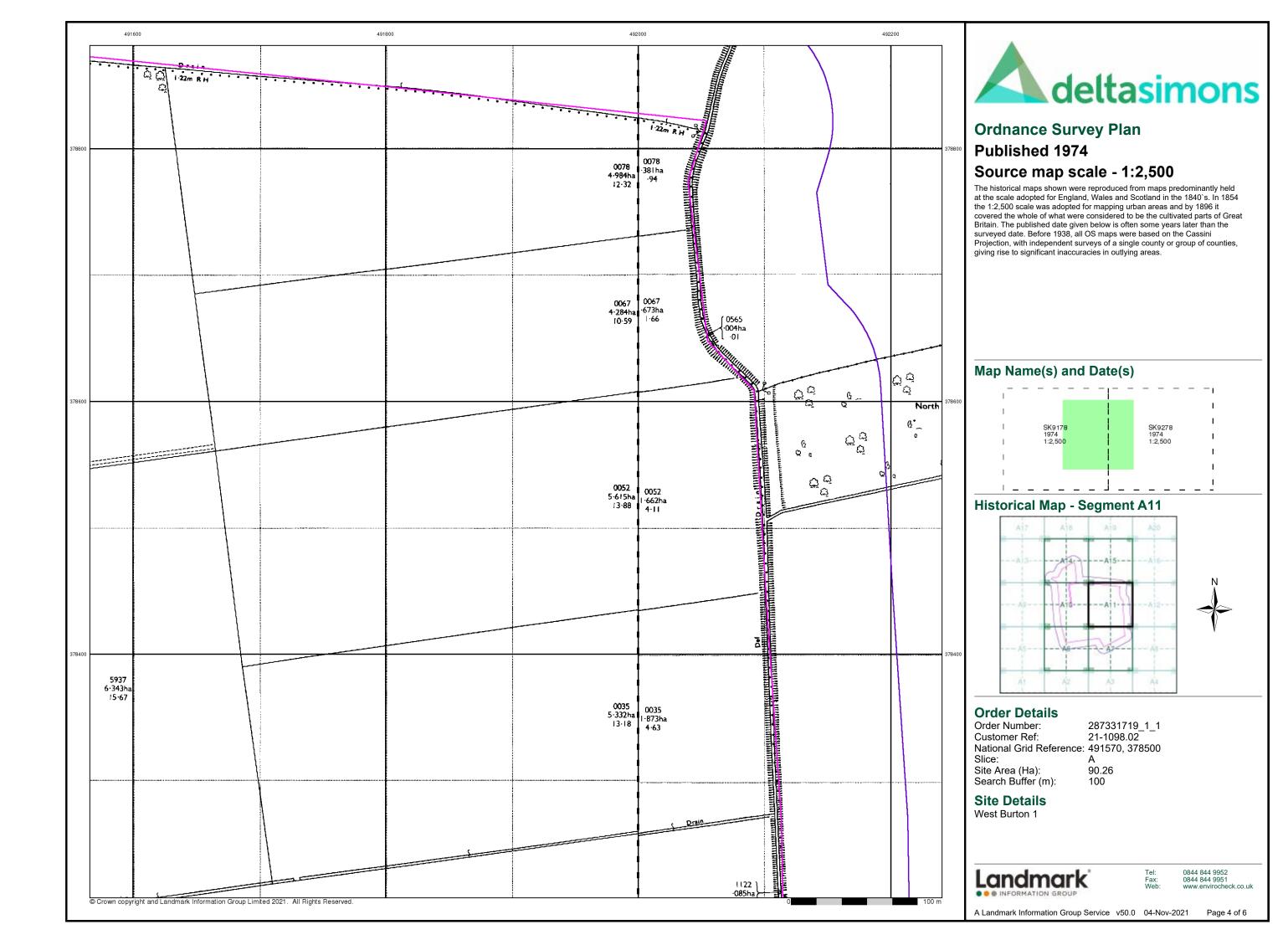


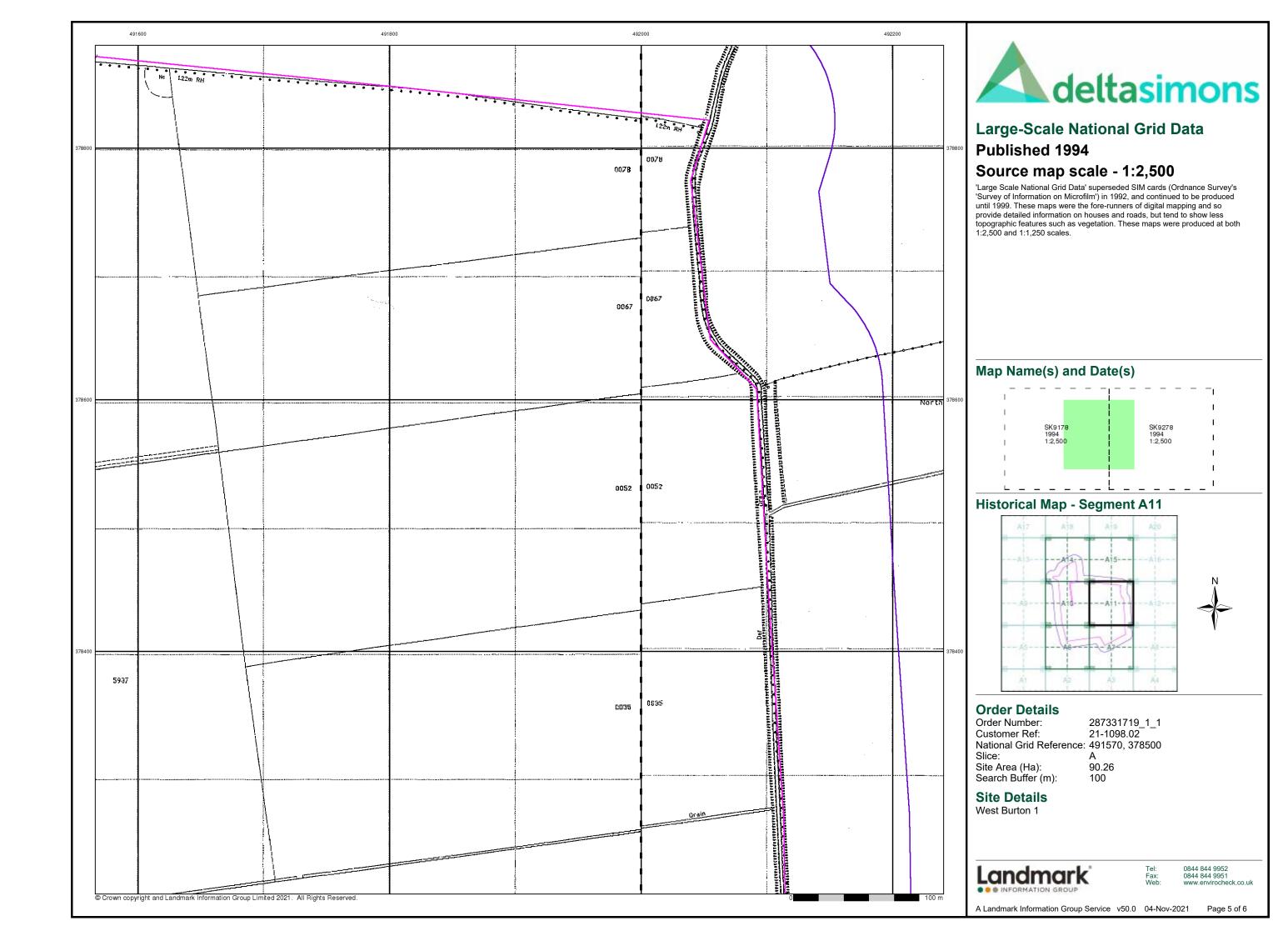
0844 844 9952 0844 844 9951

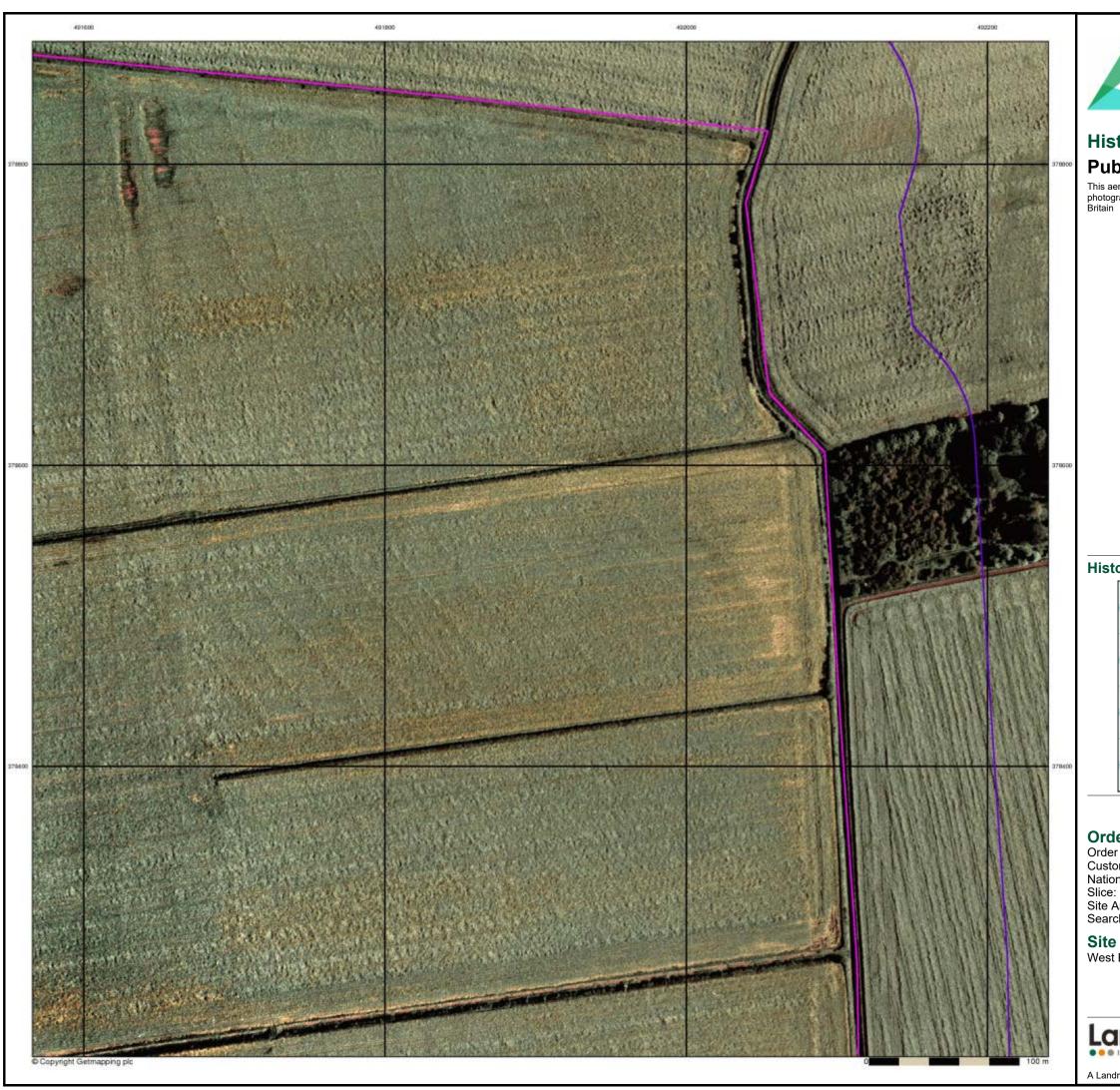
Page 1 of 6









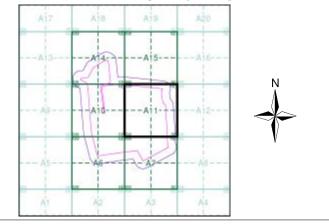




# Historical Aerial Photography Published 1999

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 A11**



### **Order Details**

Order Number: 287331719\_1\_1
Customer Ref: 21-1098.02
National Grid Reference: 491570, 378500

Araa (Ua):

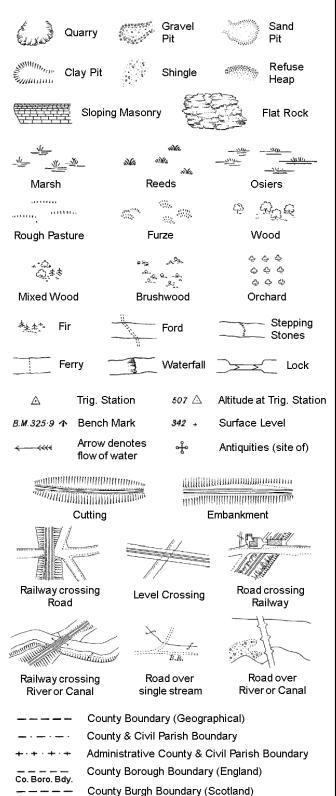
Site Area (Ha): 90.26 Search Buffer (m): 100

Site Details
West Burton 1

Landmark INFORMATION GROUP

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### **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

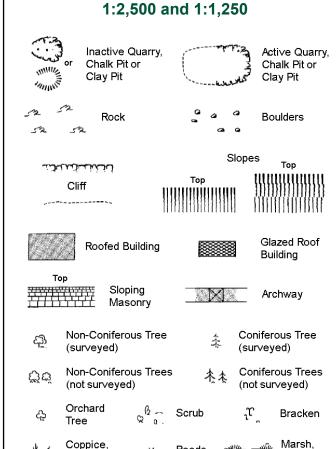
B.R.

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



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

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
**************************************	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

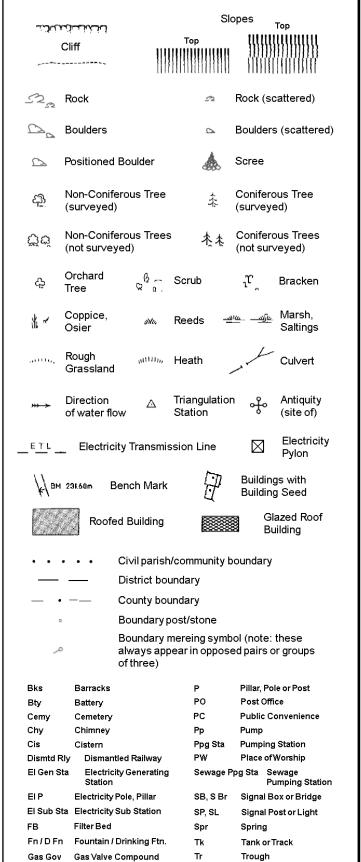
Wd Pp

Wks

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

Works (building or area)

# 1:1,250

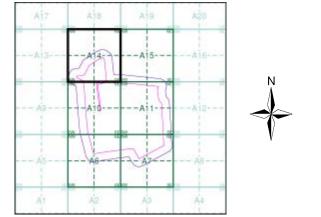




### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Ordnance Survey Plan	1:2,500	1973 - 1974	4
Additional SIMs	1:2,500	1993	5
Large-Scale National Grid Data	1:2,500	1994	6
Historical Aerial Photography	1:2,500	1999	7

### **Historical Map - Segment A14**



#### **Order Details**

Order Number: 287331719\_1\_1 21-1098.02 **Customer Ref:** National Grid Reference: 491570, 378500 Slice:

Site Area (Ha):

Search Buffer (m):

**Site Details** 

West Burton 1

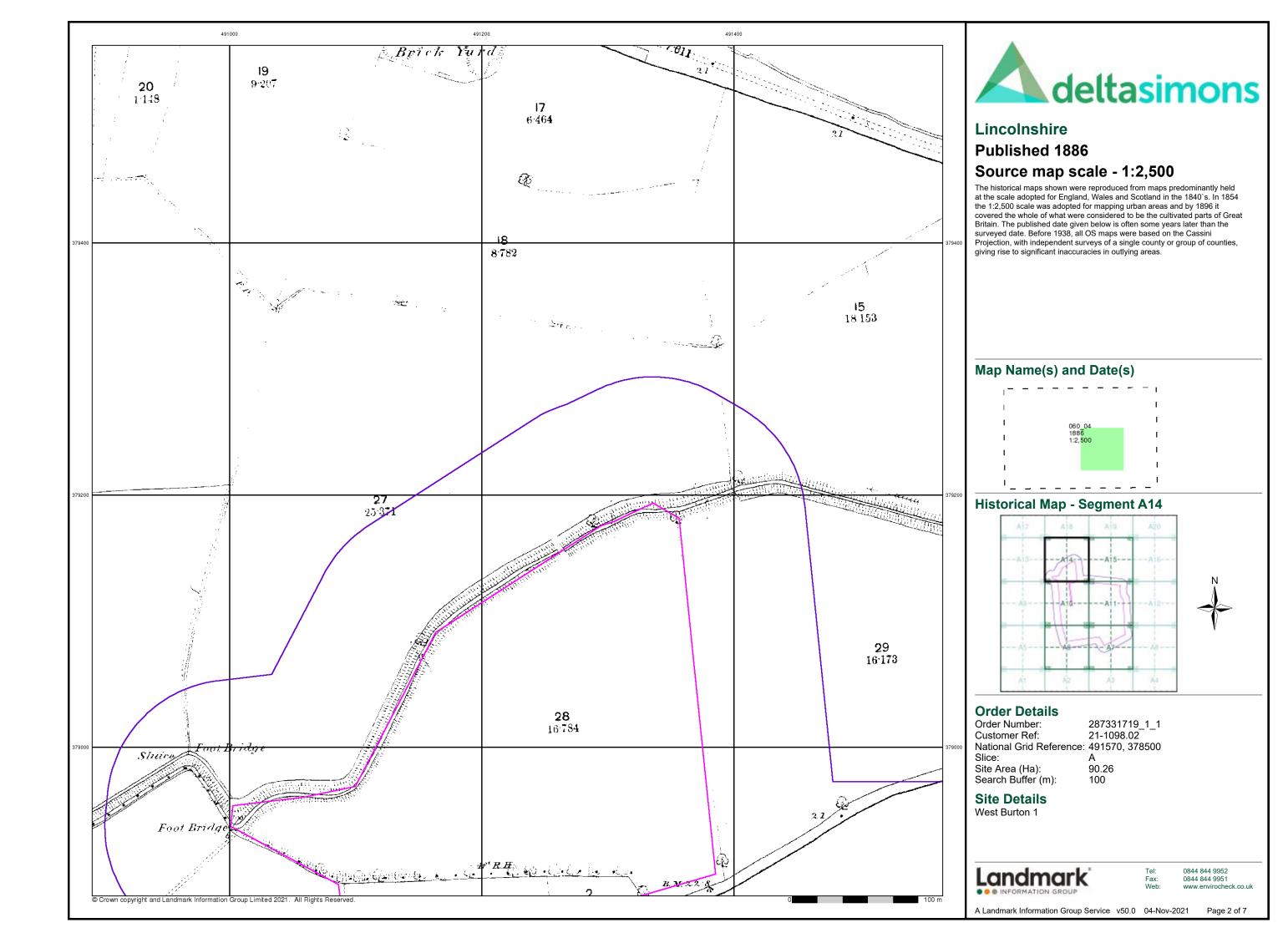


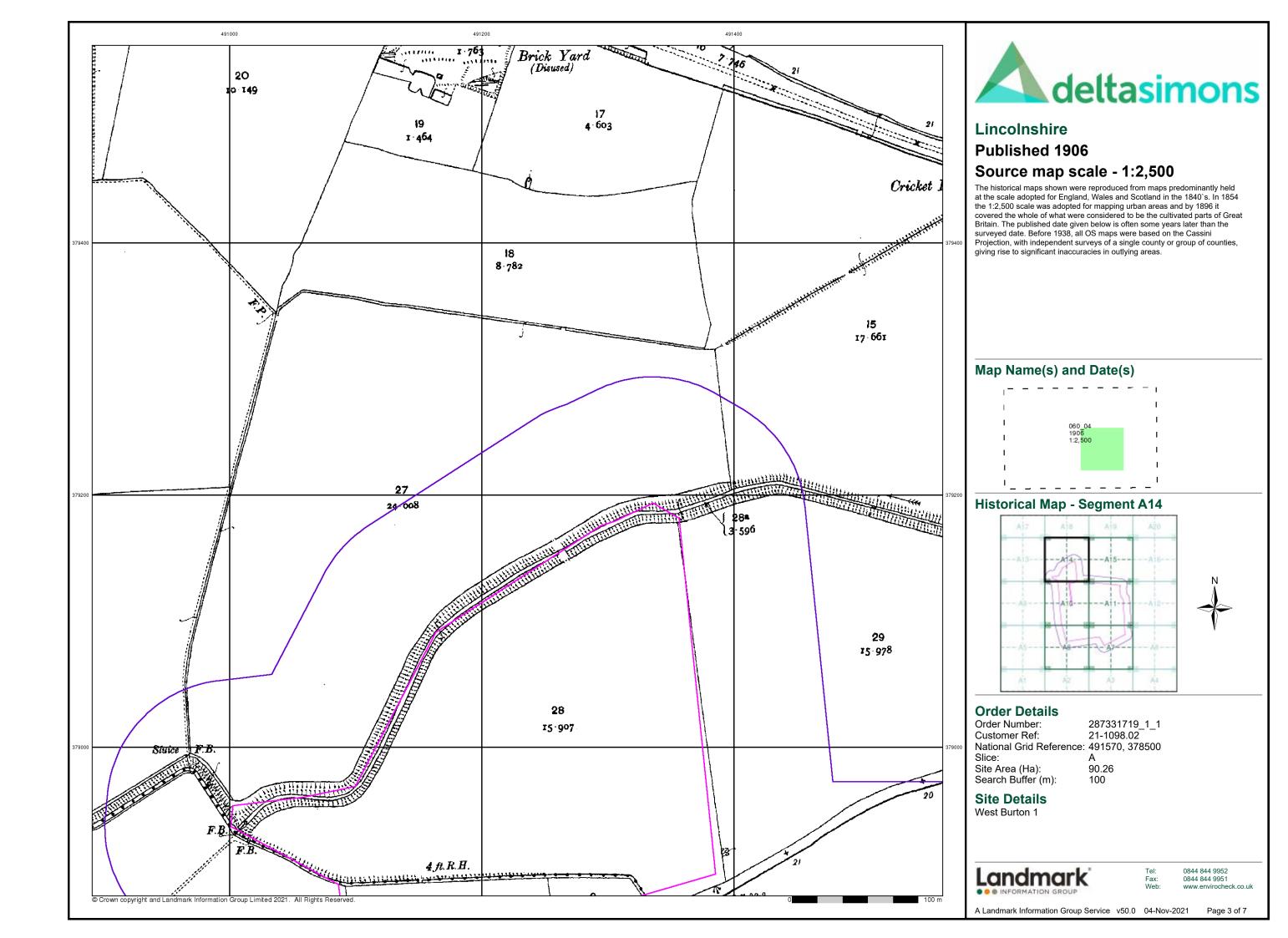
0844 844 9952

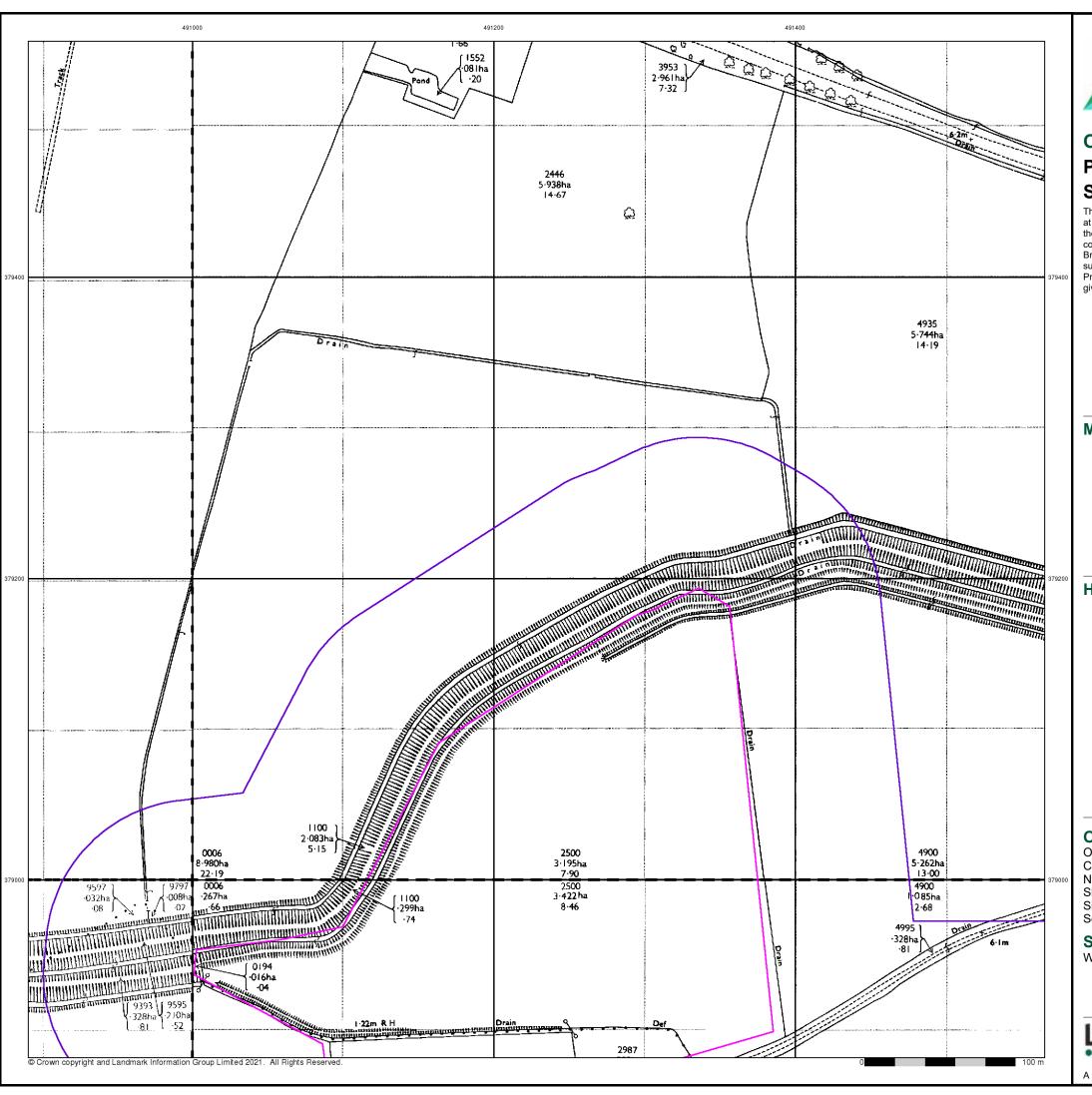
Page 1 of 7

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

90.26





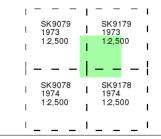




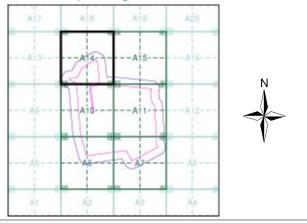
## **Ordnance Survey Plan Published 1973 - 1974** Source map scale - 1:2,500

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 A14**



### **Order Details**

Order Number: 287331719\_1\_1 Customer Ref: 21-1098.02 National Grid Reference: 491570, 378500

Slice:

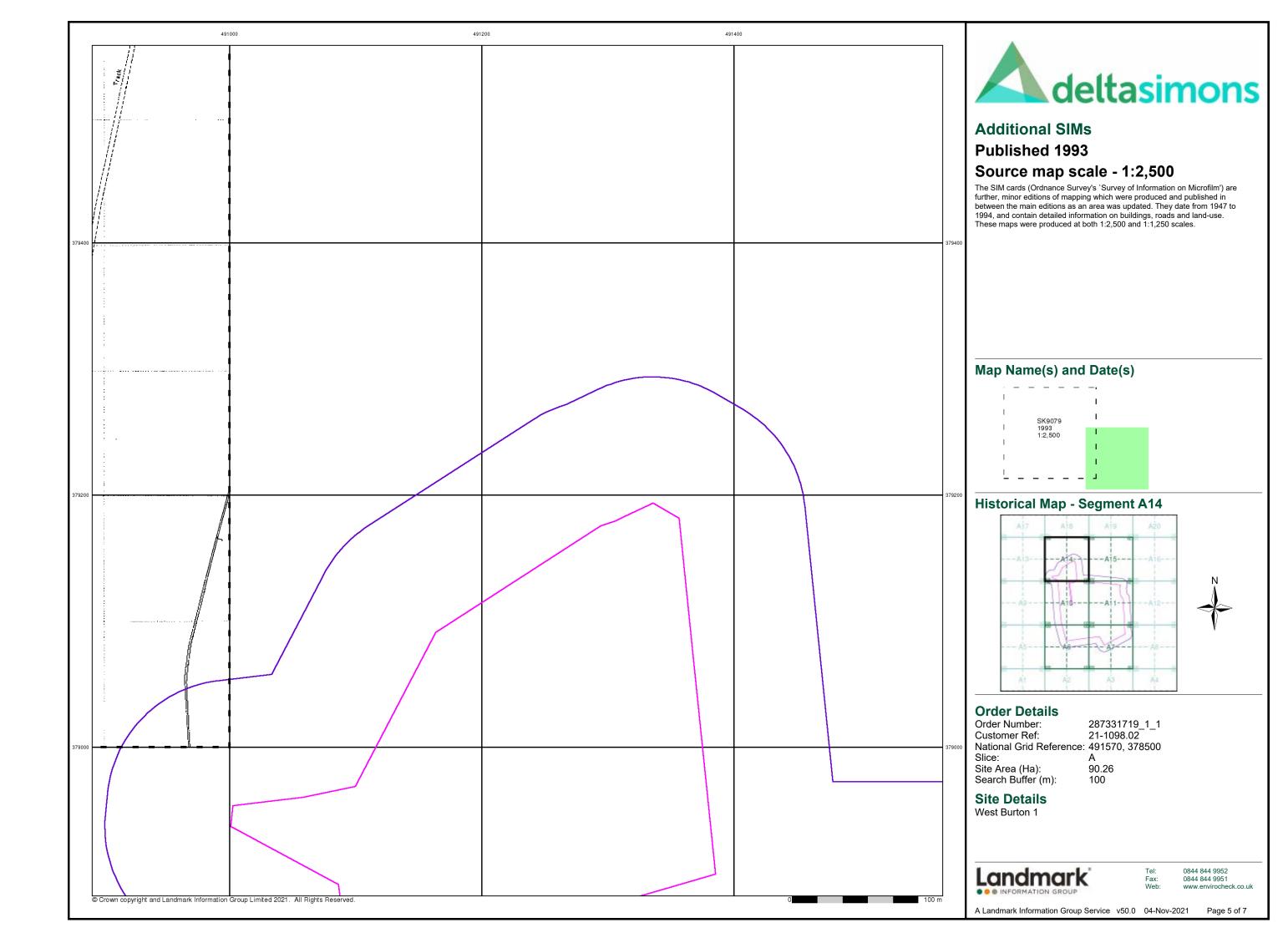
Site Area (Ha): Search Buffer (m): 90.26

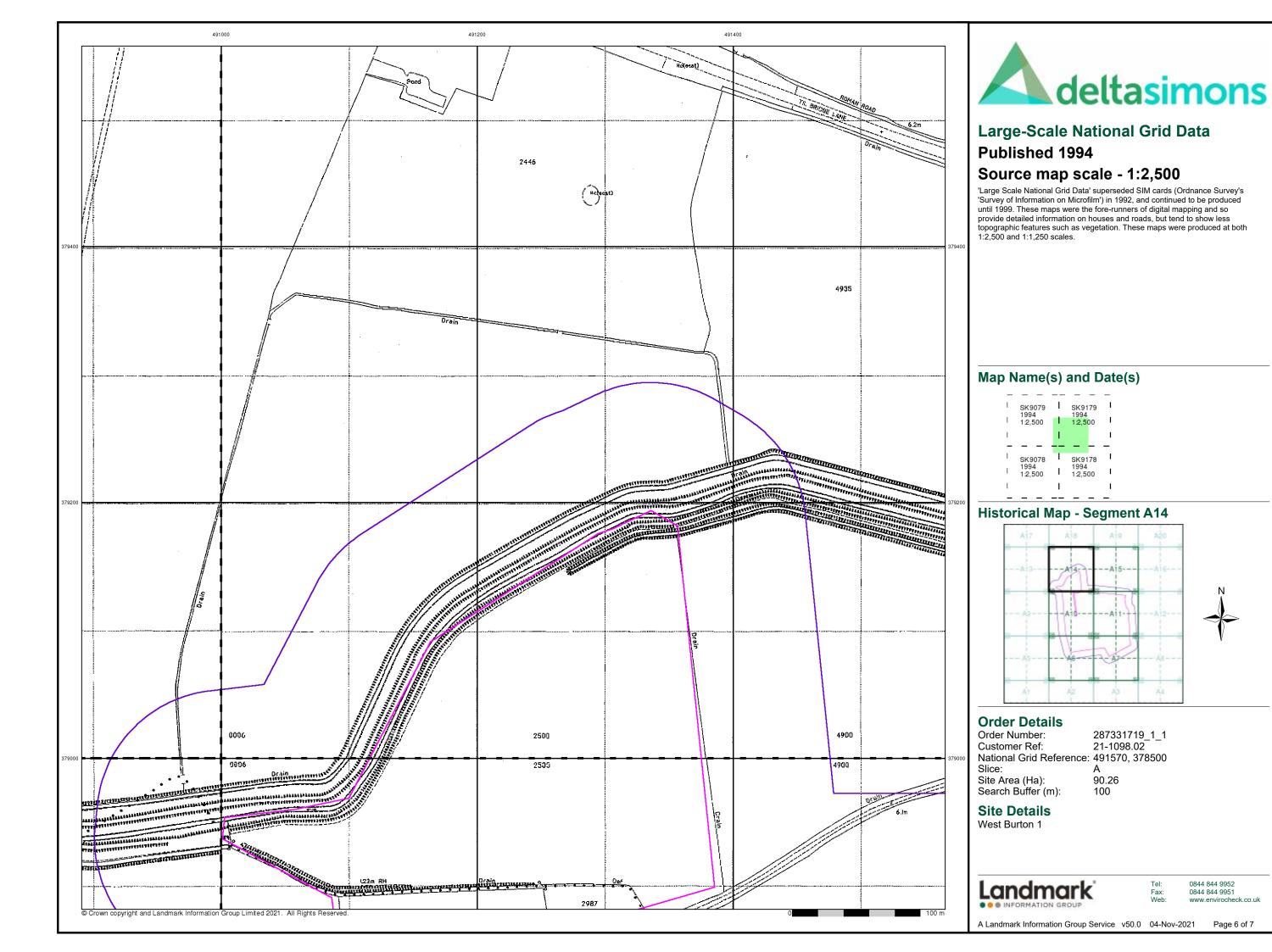
### **Site Details**

West Burton 1



0844 844 9952 0844 844 9951





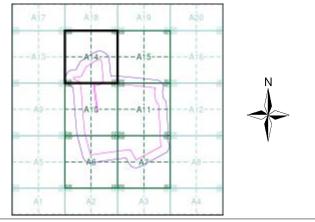




### **Historical Aerial Photography** Published 1999

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 A14**



#### **Order Details**

Order Number: 287331719\_1\_1
Customer Ref: 21-1098.02
National Grid Reference: 491570, 378500

Slice:

Site Area (Ha): Search Buffer (m): 90.26

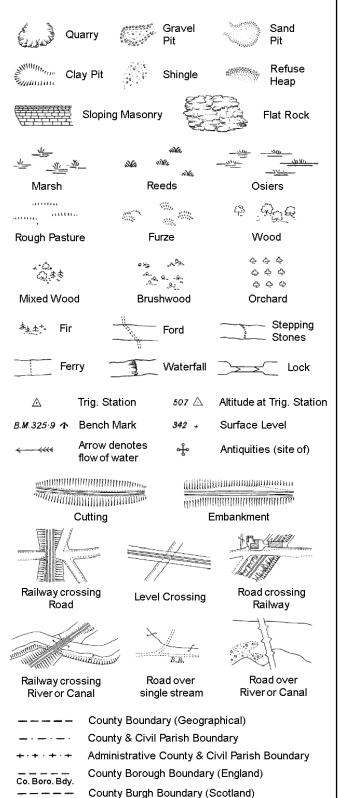
**Site Details** West Burton 1

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# **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

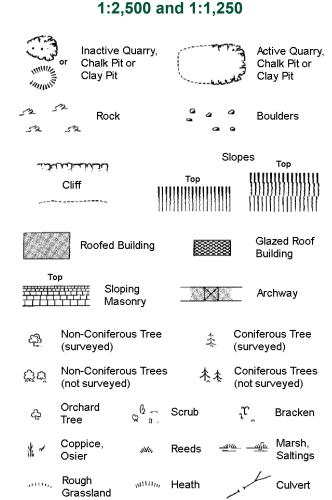
Electricity Pylor

B.R.

EP

F.B.

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



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

ETL Elect	ricity 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
	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

	-	Slo	pes Ton
	ביייי טבאובטרט	Тор	Top
	Cliff	111111111111111111111111111111111111111	)))))))
,		HUMBHUM	
523	Rock	52	Rock (scattered)
$\Box_{a}$	Boulders	₽	Boulders (scattered)
	Positioned Boulder		Scree
ফ্র	Non-Coniferous Tree (surveyed)	-1-	Coniferous Tree (surveyed)
ర్జీట్	Non-Coniferous Trees (not surveyed)	杰杰	Coniferous Trees (not surveyed)
ද	Orchard $Q = Q = Q$	Scrub	<sub>າ</sub> ຕຸ Bracken
* ~	Coppice, Mico	Reeds 📲	<u>س سرد</u> Marsh, Saltings
astile,	Rough "miin, Grassland	Heath	Culvert
<del>&gt;&gt;&gt; →</del>		Triangulation Station	Antiquity (site of)
_ E_TL _	Electricity Transmis	sion Line	Electricity Pylon
\ K B₩	231.60m Bench Mark		Buildings with Building Seed
	Roofed Building		Glazed Roof Building
	Civil parish/ District bou	community be	oundary
_ •	— County bou	ndary	
٥	Boundary po	ost/stone	
٥			ol (note: these d 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	Place of Worship
El Gen S		Sewage P	·
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/DFr	Fountain / Drinking Ftn.	Tk	Tank or Track

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

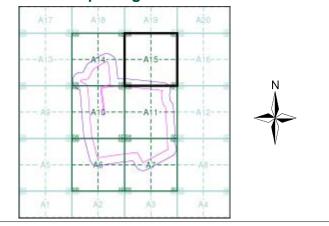
Works (building or area)



#### **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	1973 - 1974	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: 287331719\_1\_1 **Customer Ref:** 21-1098.02 National Grid Reference: 491570, 378500 Slice:

Site Area (Ha):

90.26 Search Buffer (m):

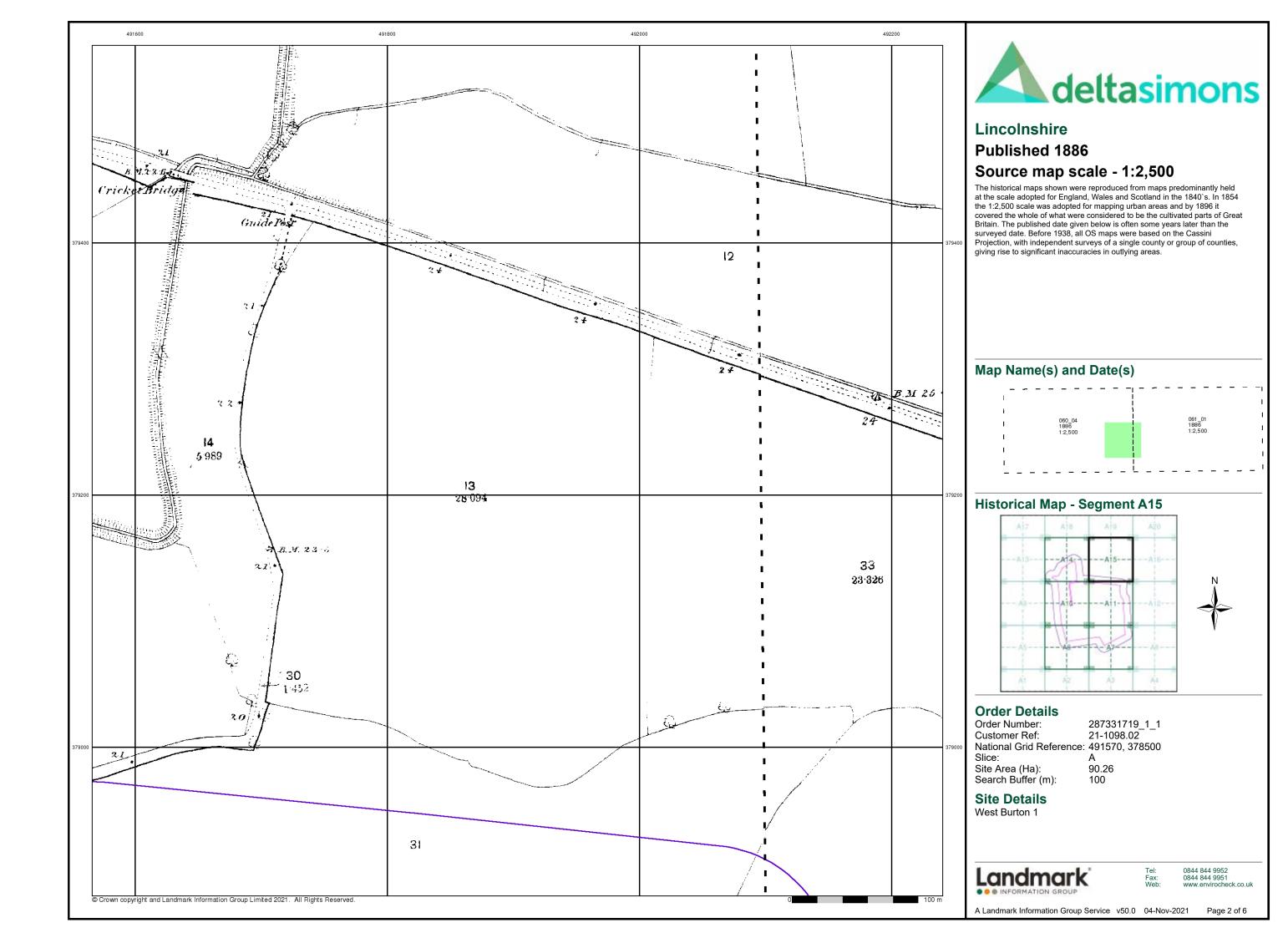
**Site Details** West Burton 1

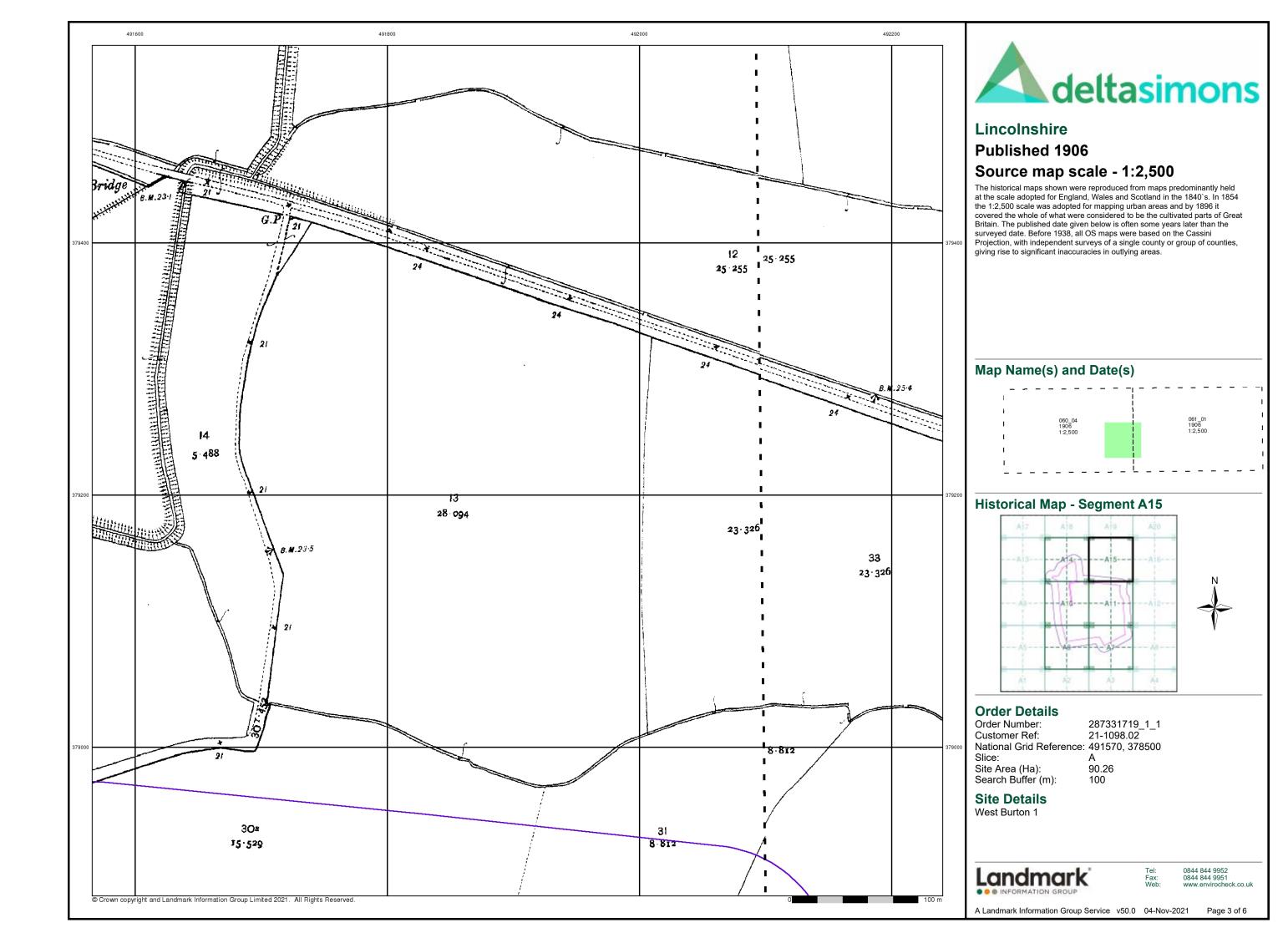
Landmark

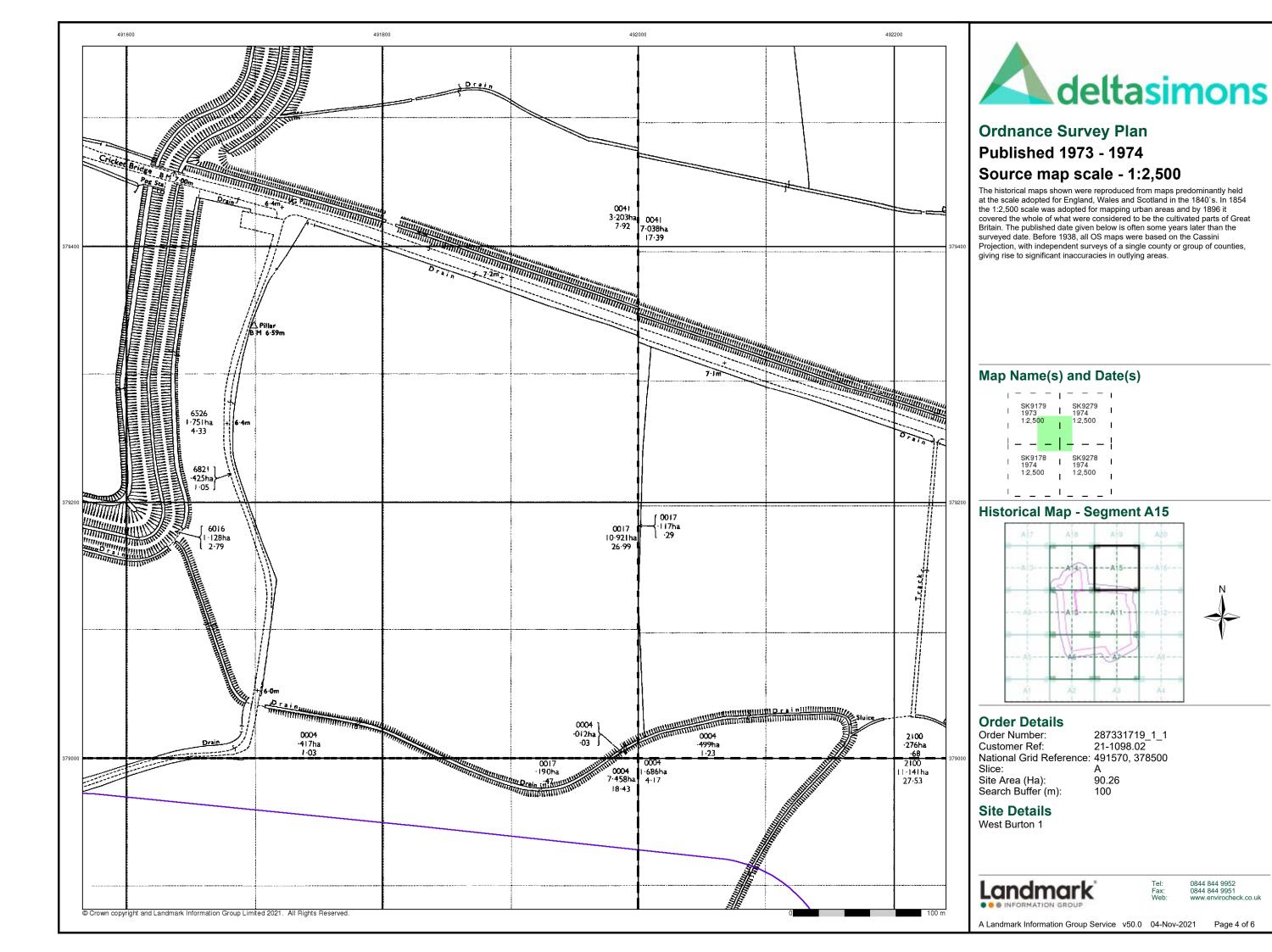
0844 844 9952 0844 844 9951

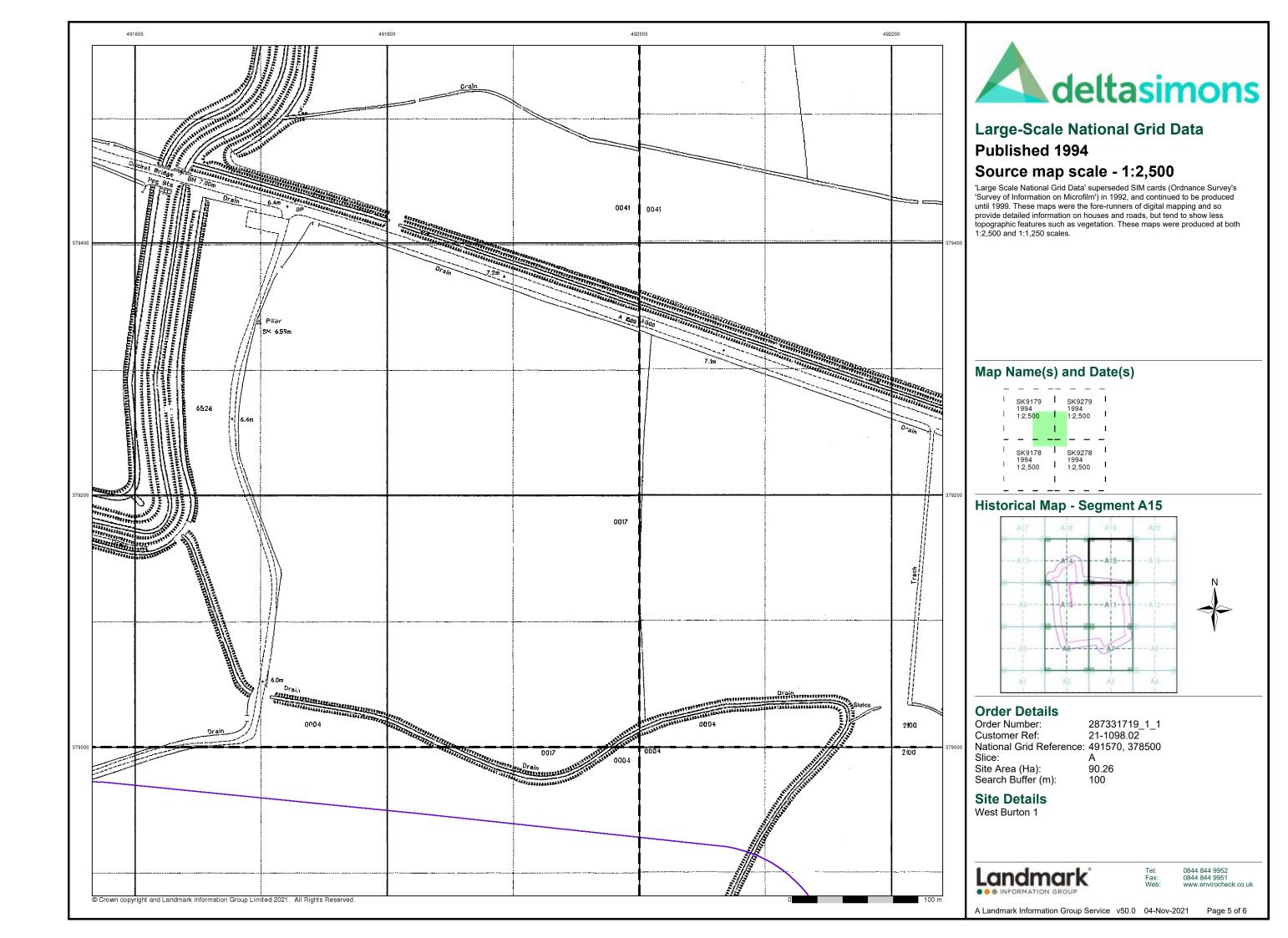
Page 1 of 6

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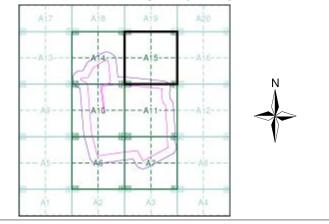




### **Historical Aerial Photography** Published 1999

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 A15**



#### **Order Details**

Order Number: 287331719\_1\_1
Customer Ref: 21-1098.02
National Grid Reference: 491570, 378500

Slice:

Site Area (Ha): Search Buffer (m): 90.26

**Site Details** 

West Burton 1

Landmark INFORMATION GROUP

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# Appendix D – Landmark Envirocheck Report





# **Envirocheck® Report:**

#### **Datasheet**

#### **Order Details:**

Order Number: 287331719\_1\_1

**Customer Reference:** 

21-1098.02

**National Grid Reference:** 

491570, 378500

Slice:

Α

Site Area (Ha):

90.26

Search Buffer (m):

250

#### **Site Details:**

West Burton 1

#### **Client Details:**

Mr A Howells Delta Simons 3 Henley Office Park Doddington Road Lincoln LN6 3QR



Order Number: 287331719\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service





Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	12
Hazardous Substances	-
Geological	13
Industrial Land Use	15
Sensitive Land Use	16
Data Currency	17
Data Suppliers	22
Useful Contacts	23

#### Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination.

For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.

In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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#### Report Version v53.0



Data Type	Page Number	On Site	0 to 250m (*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	pg 1	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 1	Yes	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a
Groundwater Vulnerability - Local Information			n/a
Bedrock Aquifer Designations	pg 3	Yes	n/a
Superficial Aquifer Designations	pg 3	Yes	n/a
Source Protection Zones			
Extreme Flooding from Rivers or Sea without Defences	pg 3	Yes	
Flooding from Rivers or Sea without Defences	pg 3	Yes	Yes
Areas Benefiting from Flood Defences			
Flood Water Storage Areas	pg 4	Yes	
Flood Defences	pg 4	Yes	Yes
OS Water Network Lines	pg 4	14	47



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 12	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 13	Yes	n/a
BGS Estimated Soil Chemistry	pg 13	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 14	Yes	Yes
Potential for Compressible Ground Stability Hazards	pg 14	Yes	
Potential for Ground Dissolution Stability Hazards			
Potential for Landslide Ground Stability Hazards	pg 14	Yes	
Potential for Running Sand Ground Stability Hazards	pg 14	Yes	
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 14	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	pg 15		2
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 16	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 Susceptibility				
	Flooding Type:	Potential for Groundwater Flooding of Property Situated Below Ground Level	A10SE (W)	0	1	491400 378500
	BGS Groundwater I	Flooding Susceptibility				
	Flooding Type:	Potential for Groundwater Flooding to Occur at Surface	A10SE (SW)	0	1	491565 378496
	Discharge Consent	s				
1	Operator: Property Type: Location: Authority: Catchment Area: Reference:	Mr & Mrs Krick WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Gooseholes Barn, Broxholme, Lincoln, Ln1 2ng Environment Agency, Anglian Region River Till Prnnf18353	A6NW (SW)	18	2	491150 378150
	Permit Version:	1				
	Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge	3rd May 2005 16th May 2005 Not Supplied Sewage Discharges - Final/Treated Effluent - Not Water Company Freshwater Stream/River				
	Environment: Receiving Water: Status: Positional Accuracy:	Unnamed Trib Of R. Till New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Located by supplier to within 10m				
	-	· · · ·				
	Nearest Surface Wa	iter reature	A14SE (NW)	0	-	491394 378896
	Groundwater Vulne	rability Map				3.000
	Combined	Secondary Superficial Aquifer - Medium Vulnerability	A10SE	0	3	491565
	Classification: Combined	Medium	(SW)		Ü	378496
	Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index: Superficial	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Poorly Connected Fractures <300 mm/year 40-70% <90%				
	Patchiness: Superficial Thickness:	<3m				
	Superficial Recharge:	Low				
	Groundwater Vulne	rability Map				
	Combined Classification:	Secondary Superficial Aquifer - High Vulnerability	A11SE (E)	0	3	492084 378494
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed: Bedrock Flow:	Productive Bedrock Aquifer, Productive Superficial Aquifer High Poorly Connected Fractures				
	Dilution: Baseflow Index:	40-70%				
	Superficial Patchiness:	>90%				
	Superficial Thickness: Superficial	<3m Low				
	Recharge:					
	Groundwater Vulne	rability Map				
	Combined	Secondary Superficial Aquifer - Medium Vulnerability	A14SW	0	3	491073
	Classification: Combined	Medium	(NW)			378888
	Vulnerability: 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:	<3m				
	Superficial Recharge:	Low				



Page 2 of 23

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - High Vulnerability	A11SE (E)	0	3	492000 378496
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer High				
	Bedrock Flow: Dilution:	Poorly 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	A15SW (N)	0	3	491578 379000
	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:	High				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - Medium Vulnerability	A6NE (S)	0	3	491565 378000
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, No Superficial Aquifer Low				
	Bedrock Flow:	Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness:					
	Superficial Thickness:	<3m				
	Superficial Recharge:	High				
	Groundwater Vulne	•				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	A7NW (S)	0	3	491604 378000
	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:	High				



ap O		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	Groundwater Vulnerability Map				
	Combined	Secondary Bedrock Aquifer - Medium Vulnerability	A14SE	0	3	491565
	Classification: Combined	Medium	(N)			379000
	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	40-70 % <90%				
	Patchiness:					
	Superficial Thickness:	<3m				
	Superficial	High				
	Recharge:					
	Groundwater Vulne	rability Map				
	Combined	Secondary Bedrock Aquifer - Low Vulnerability	A10SE	0	3	491416
	Classification:		(SW)			378377
	Combined Vulnerability:	Low				
	Combined Aquifer:	Productive Bedrock Aquifer, No Superficial Aquifer				
	Pollutant Speed:	Low				
	Bedrock Flow: Dilution:	Poorly Connected Fractures <300 mm/year				
	Baseflow Index:	40-70%				
	Superficial	<90%				
	Patchiness: Superficial	<3m				
	Thickness:					
	Superficial	Low				
	Recharge:					
	Groundwater Vulne None	erability - Soluble Rock Risk				
	Bedrock Aquifer De	_				
	Aquiter Designation:	Secondary Aquifer - Undifferentiated	A10SE (SW)	0	3	491565 378496
	Superficial Aquifer	Designations				
	Aquifer Designation:	Secondary Aquifer - A	A15SW	0	3	491621
		<b>-</b>	(N)			378948
	Superficial Aquifer	-	14005			404505
	Aquiter Designation:	Secondary Aquifer - Undifferentiated	A10SE (SW)	0	3	491565 378496
	Extreme Flooding f	rom Rivers or Sea without Defences				
	Type:	Extent of Extreme Flooding from Rivers or Sea without Defences	A10SE	0	2	491541
	Flood Plain Type: Boundary Accuracy:	Fluvial Models	(S)			378386
	, ,	***				
	_	rom Rivers or Sea without Defences  Extent of Extreme Flooding from Rivers or Sea without Defences	A 4 ON IVA/		0	40444
	Type: Flood Plain Type:	Extent of Extreme Flooding from Rivers of Sea without Defences Fluvial Models	A10NW (NW)	0	2	491118 378760
	Boundary Accuracy:					
	Extreme Flooding f	rom Rivers or Sea without Defences				
	Type:	Extent of Extreme Flooding from Rivers or Sea without Defences	A10NW	0	2	491094
	Flood Plain Type: Boundary Accuracy:	Fluvial Models and Fluvial Events	(NW)			378812
	, ,					
	_	rs or Sea without Defences	A 4 40144	_	2	40.00
	Type: Flood Plain Type:	Extent of Flooding from Rivers or Sea without Defences Fluvial Models	A14SW (NW)	0	2	491212 379056
	Boundary Accuracy:		(1444)			0,000
	Flooding from Rive	rs or Sea without Defences				
	Type:	Extent of Flooding from Rivers or Sea without Defences	A11SE	0	2	491940
	Flood Plain Type:	Fluvial Models	(SE)			378307
	Boundary Accuracy:					
	_	rs or Sea without Defences	A 4 40144	40	2	40.00
	Type: Flood Plain Type:	Extent of Flooding from Rivers or Sea without Defences Fluvial Models	A14SW (NW)	10	2	491093 378984
	Boundary Accuracy:		(1444)			0,030
	Areas Benefiting fro	om Flood Defences				
	oue _eog			1		1



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flood Water Storage Areas		_		
	Type: Flood Water Storage Areas Reference: Not Supplied	A10NE (NW)	0	2	491250 378864
	Flood Defences  Type: Flood Defences Reference: Not Supplied	A10NE (NW)	0	2	491265 378865
	Flood Defences  Type: Flood Defences Reference: Not Supplied	A14SW (NW)	0	2	491097 378955
	Flood Defences Type: Flood Defences Reference: Not Supplied	A14SW (NW)	4	2	491100 378980
	Flood Defences Type: Flood Defences Reference: Not Supplied	A14SW (NW)	7	2	491012 378961
	Flood Defences Type: Flood Defences Reference: Not Supplied	A15SW (N)	54	2	491607 379179
2	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 1509.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A14SW (NW)	0	4	491098 378971
3	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 2.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A14SW (NW)	0	4	491008 378935
4	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 91.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A14SW (NW)	0	4	491091 378897
5	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 88.3  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A14SE (N)	0	4	491355 379178
6	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 284.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	A14SE (NW)	0	4	491394 378896
7	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 294.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A15SW (N)	0	4	491607 379155



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 442.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Main Drain Catchment Name: Witham Primacy: 1	A11NE (E)	0	4	492053 378665
9	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 202.4 Watercourse Level: On ground surface True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A6NW (SW)	0	4	491174 378144
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	A14SW (NW)	0	4	491006 378935
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	A7NW (S)	0	4	491605 378205
12	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 680.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A7NW (S)	0	4	491633 378013
13	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 425.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A11NW (NE)	0	4	491665 378563
14	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 8.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A11SW (SE)	0	4	491726 378222
15	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 383.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A11SW (SE)	0	4	491734 378223
16	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 330.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Main Drain Catchment Name: Witham Primacy: 1	A11SE (E)	1	4	492104 378531



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 386.7  Watercourse Level: On ground surface Permanent: True Watercourse Name: Main Drain Catchment Name: Witham Primacy: 1	A11SE (E)	1	4	492113 378277
	OS Water Network Lines				
18	Watercourse Form: Inland river Watercourse Length: 76.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A6NW (SW)	5	4	491216 377956
19	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 20.2  Watercourse Level: On ground surface Permanent: True Watercourse Name: Main Drain Catchment Name: Witham Primacy: 1	A11NE (E)	6	4	492086 378623
20	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 60.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A14SE (NW)	7	4	491390 378894
21	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 312.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A11NE (E)	7	4	492099 378607
22	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 321.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A14SE (NW)	9	4	491394 378896
23	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 17.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A7NW (S)	11	4	491790 377880
24	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 143.7  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A7NW (S)	11	4	491806 377885
25	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 524.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A14SW (NW)	17	4	491089 378991



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A7NW (S)	20	4	491784 377878
27	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 381.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A7NE (SE)	23	4	492148 378087
28	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A11SE (E)	24	4	492121 378513
29	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 393.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A7NW (S)	26	4	491780 377876
30	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 7.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A14SW (NW)	32	4	490980 378975
31	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 2.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A14SW (NW)	37	4	490972 378974
32	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 9.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	A14SW (NW)	39	4	490970 378974
33	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 225.4  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A14SW (NW)	39	4	490970 378974
34	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: 2	A14SW (NW)	45	4	490970 378983



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	A14SW (NW)	50	4	490969 378991
36	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 10.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A14NE (N)	62	4	491397 379228
37	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 206.7  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A15SW (N)	62	4	491590 379200
38	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 202.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A14NE (N)	68	4	491395 379237
39	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 496.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Main Drain Catchment Name: Witham Primacy: 1	A15SW (N)	135	4	491708 379037
40	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 449.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A7SW (SE)	155	4	491874 377759
41	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 527.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A7SW (SE)	155	4	491874 377759
42	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 10.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A15SW (N)	156	4	491687 379017
43	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 217.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A14NE (N)	160	4	491263 379336



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
44	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 14.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A15SW (N)	166	4	491691 379026
	OS Water Network Lines				
45	Watercourse Form: Inland river Watercourse Length: 18.5 Watercourse Level: Underground Permanent: True Watercourse Name: Main Drain Catchment Name: Witham Primacy: 1	A15SW (N)	178	4	491690 379040
46	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 140.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Main Drain Catchment Name: Witham Primacy: 1	A15SW (N)	179	4	491690 379040
47	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 291.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A7SE (SE)	181	4	492023 377789
48	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 578.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Main Drain Catchment Name: Witham Primacy: 1	A7NE (SE)	181	4	492201 377904
49	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 7.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	A14SW (NW)	200	4	491002 379208
50	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 747.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A7NE (SE)	203	4	492218 377888
51	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 138.7  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	A14SW (NW)	203	4	491004 379215
52	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 29.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A15SE (NE)	228	4	492166 379020



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
53	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 239.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A6NW (SW)	232	4	490974 377978
	OS Water Network Lines				
54	Watercourse Form: Inland river Watercourse Length: 7.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A6SE (S)	232	4	491411 377753
55	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A6SE (S)	234	4	491404 377750
56	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 7.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A6SE (S)	235	4	491399 377749
57	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 216.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A6SE (S)	236	4	491392 377746
58	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: 2	A15SW (N)	242	4	491606 379195
59	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 247.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A15SW (N)	242	4	491597 379203
60	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 225.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A13SE (NW)	244	4	490747 378927
61	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 11.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A13SE (NW)	244	4	490758 378947



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	OS Water Network Lines				
62	Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A13SE (NW)	250	4	490742 378956

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#### **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	491565 378496
	Local Authority Landfill Coverage				
	Name: Lincolnshire County Council - Had landfill data but passed it to the relevant environment agency		0	6	491565 378496

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Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid	d Geology				
	Description:	Lias Group	A10SE (SW)	0	1	491565 378496
	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	A10SE (SW)	0	1	491416 378377
	BGS Estimated Soil	Chemistry				
	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 60 - 90 mg/kg	A10SE (SW)	0	1	491565 378496
	BGS Estimated Soil	Chemistry				
	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	A15SW (N)	0	1	491621 378948
	BGS Estimated Soil	Chemistry				
	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 <100 mg/kg 15 - 30 mg/kg	A14SW (NW)	99	1	491000 379077
	BGS Estimated Soil	Chemistry				
	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	A13SE (NW)	122	1	490890 379000
	BGS Measured Urba	an Soil Chemistry				
	BGS Urban Soil Cho	emistry Averages				
	No data available	14				
	In an area that might	d Areas not be affected by coal mining				
	Non Coal Mining Ar	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	A15SW (N)	0	1	491621 378948
	Potential for Collap	sible Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	A10SE (SW)	0	1	491565 378496
	Potential for Collap	sible Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	A14SW (NW)	99	1	491018 379093
	Potential for Comp	ressible Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	A10SE (SW)	0	1	491565 378496
	Potential for Comp	ressible Ground Stability Hazards				
	Hazard Potential: Source:	Moderate British Geological Survey, National Geoscience Information Service	A15SW (N)	0	1	491621 378948
	Potential for Comp	ressible Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	A14SW (NW)	99	1	491018 379093
	Potential for Groun	d Dissolution Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	A10SE (SW)	0	1	491565 378496
	Potential for Lands	lide Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	A10SE (SW)	0	1	491565 378496
	Potential for Runni	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	A10SE (SW)	0	1	491416 378377
	Potential for Runni	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	A10SE (SW)	0	1	491565 378496
	Potential for Runni	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	A15SW (N)	0	1	491621 378948
	Potential for Runni	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	A14SW (NW)	99	1	491018 379093
	Potential for Shrink	ing or Swelling Clay Ground Stability Hazards				
	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	A10SE (SW)	0	1	491565 378496
	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).	A10SE (SW)	0	1	491565 378496
	Source:	British Geological Survey, National Geoscience Information Service				
		adon Protection Measures  No radon protective measures are necessary in the construction of new	A10SE	0	1	491565
	Source:	dwellings or extensions British Geological Survey, National Geoscience Information Service	(SW)			378496

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### **Industrial Land Use**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Points of Interest - Po	ublic Infrastructure				
63	Location: L Category: \ Class Code: \	Sluice LN1 Water Weirs, Sluices and Dams Positioned to an adjacent address or location	A15SE (NE)	242	7	492171 379033
	Points of Interest - Po	ublic Infrastructure				
63	Location: L Category: \ Class Code: \	Sluice LN1 Water Weirs, Sluices and Dams Positioned to an adjacent address or location	A15SE (NE)	246	7	492180 379033

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### **Sensitive Land Use**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Nitrate Vulnerable Zones					
64	Name: Description: Source:	Lower Witham Nvz Surface Water Environment Agency, Head Office	A10SE (SW)	0	3	491565 378496

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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	
ntegrated 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	7 tagast 2021	
Environment Agency - Anglian Region	September 1999	
	September 1999	
Prosecutions Relating to Authorised Processes	luly 2015	
Environment Agency - Anglian Region	July 2015	
Prosecutions Relating to Controlled Waters	March 2040	
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	54.144.7 2010	,ridany
Superficial Aquirer Designations Environment Agency - Head Office	January 2018	Annually
	oandary 2010	Aimaily
Source Protection Zones	Ma:: 2004	D: Approxima
Environment Agency - Head Office	May 2021	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences	<b>a</b>	•
Environment Agency - Head Office	September 2021	Quarterly
Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	September 2021	Quarterly

Order Number: 287331719\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 17 of 23



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: 287331719\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 18 of 23



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	A	Markabla
Lincolnshire County Council - Highways and Planning Department  West Lindsey District Council	August 2010	Variable Variable
•	February 2016	Variable
Planning Hazardous Substance Consents	August 2007	Variable
incolnshire County Council - Highways and Planning Department  West Lindsey District Council	August 2007 February 2016	Variable Variable
vest Linusey District Council	February 2010	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	B 1 2215	
British Geological Survey - National Geoscience Information Service	December 2015	Annually
BGS Recorded Mineral Sites	14 0004	D: A
British Geological Survey - National Geoscience Information Service	May 2021	Bi-Annually
CBSCB Compensation District	A	A = = = CC = d
Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	As notified
Coal Mining Affected Areas	March 2014	Annual Polling Lindot
The Coal Authority - Property Searches	IVIAICII 2014	Annual Rolling Updat
Mining Instability  Ove Arup & Partners	June 1998	Not Applicable
•	Julie 1990	Not Applicable
Non Coal Mining Areas of Great Britain  British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
	Iviay 2013	Not Applicable
Potential for Collapsible Ground Stability Hazards  British Geological Survey - National Geoscience Information Service	April 2020	Annually
	April 2020	Aillidaily
Potential for Compressible Ground Stability Hazards  British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards	ouridary 2010	7 till daily
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards	canaly 2010	7 timedily
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards	oundary 2010	7 timidany
British Geological Survey - National Geoscience Information Service	January 2019	Annually
	Garidary 2013	, amouny
Potential for Shrinking or Swelling Clay Ground Stability Hazards  British Geological Survey - National Geoscience Information Service	January 2019	Annually
	January 2019	Aillidally
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
	July 2011	Ailliually
Radon Potential - Radon Protection Measures	July 2011	Appually
British Geological Survey - National Geoscience Information Service	July 2011	Annually

Order Number: 287331719\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 19 of 23



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: 287331719\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 20 of 23



# **Data Currency**

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: 287331719\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 21 of 23



# **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
Centre for Ecology and Hydrology	Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	Cyfoeth Naturiol Naturiol Cyrreu Naturiol Resources Widde
Scottish Natural Heritage	SCOTTISH NATURAL HERITAGE
Natural England	NATURAL ENGLAND
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: w
-	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.

# **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
	RTD1	River Terrace Deposits, 1	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

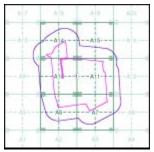
 Map Sheet No:
 102

 Map Name:
 Market Rasen

 Map Date:
 1999

Map Name: Market Raser Market Raser Map Date: 1999
Bedrock Geology: Available Superficial Geology: Available Faults: Not Supplied Landslip: Not Available Nock Segments: Not Supplied Not Available Nock Segments: Not Supplied

## Geology 1:50,000 Maps - Slice A



287331719\_1\_1 21-1098.02

491570, 378500



### **Order Details:**

Order Number: Customer Reference: National Grid Reference: Slice:

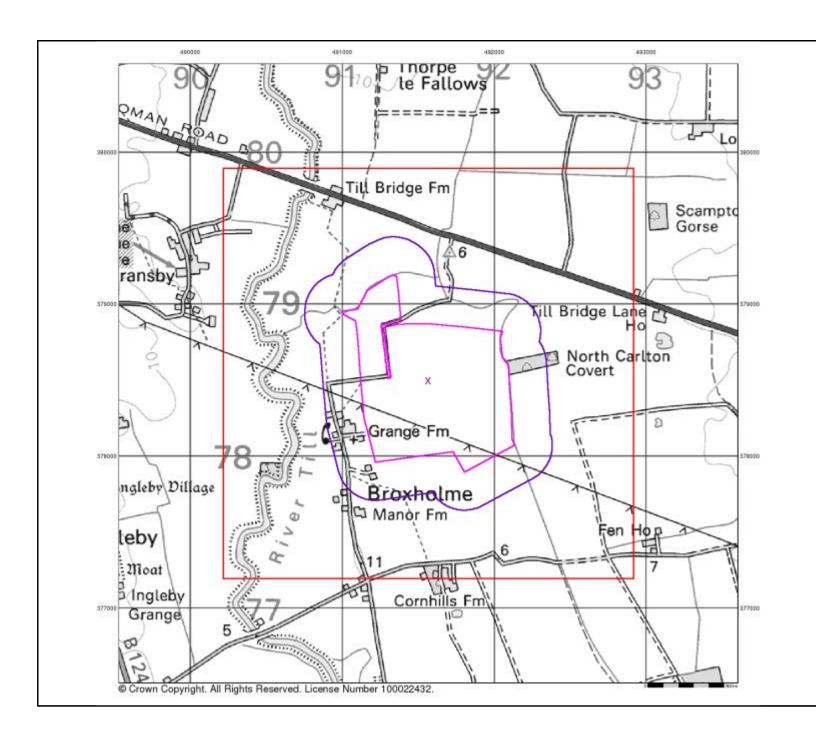
Slice: A Site Area (Ha): 90.26 Search Buffer (m): 250

Site Details:

West Burton 1



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





#### **Artificial Ground and Landslip**

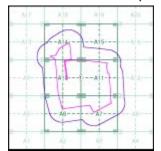
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions 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
- 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: Slice:

491570, 378500 A 90.26

287331719\_1\_1 21-1098.02

Site Area (Ha): 9 Search Buffer (m): 2

Site Details:

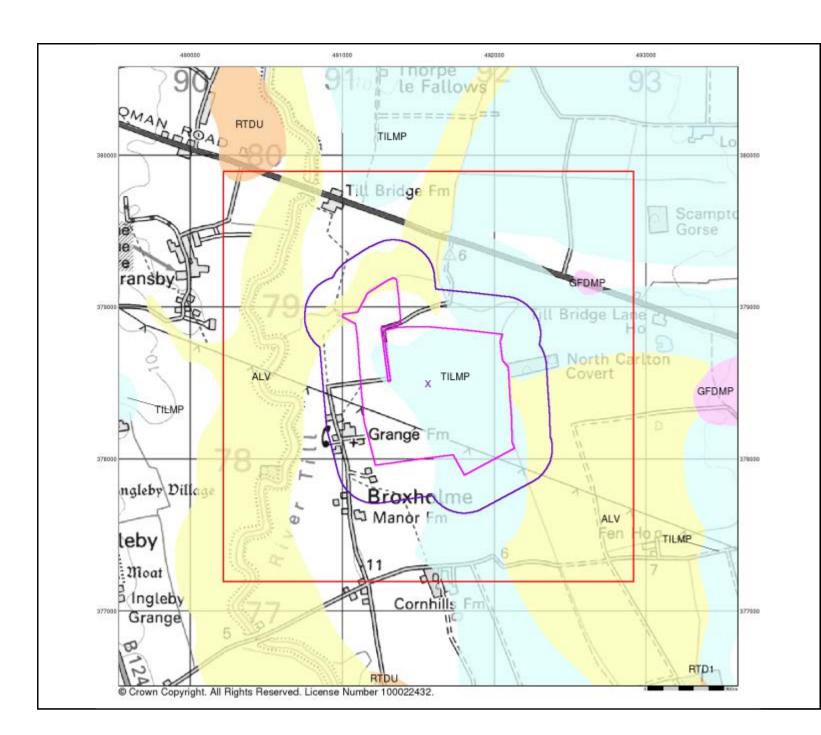
West Burton 1



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v15.0 04-Nov-2021

Page 2 of 5





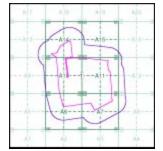
# **Superficial Geology**

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: National Grid Reference: 287331719\_1\_1 21-1098.02 491570, 378500 A 90.26

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

# Site Details:

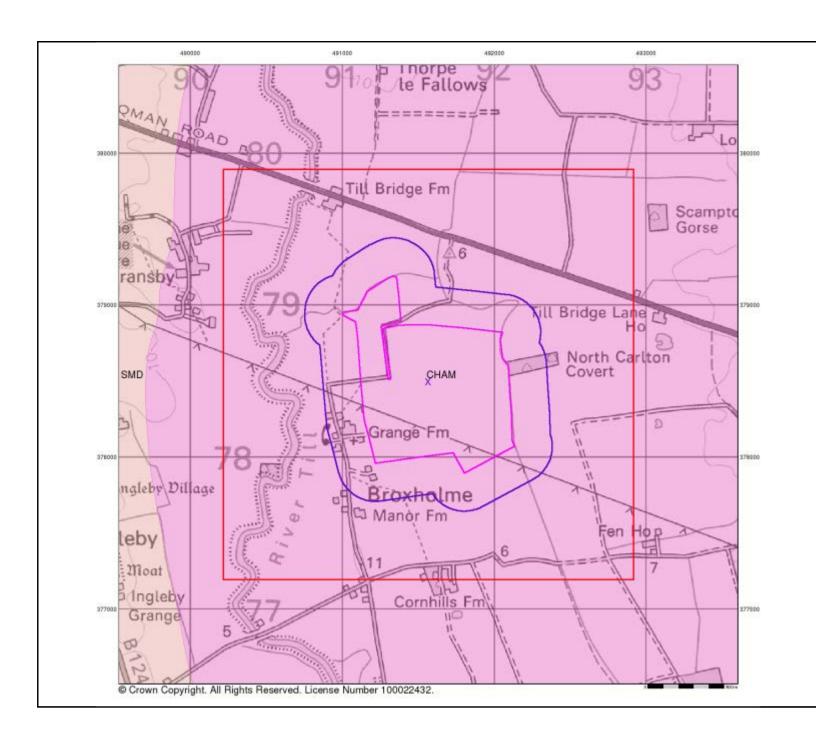
West Burton 1

Landmark

0844 844 9952 0844 844 9951

v15.0 04-Nov-2021

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#### **Bedrock and Faults**

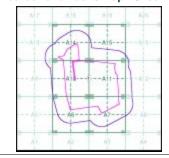
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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 lader, 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





# Order Details:

Order Number: Customer Reference: National Grid Reference: Slice: Site Area (Ha): Search Buffer (m):

491570, 378500 A 90.26

287331719\_1\_1 21-1098.02

Site Details:

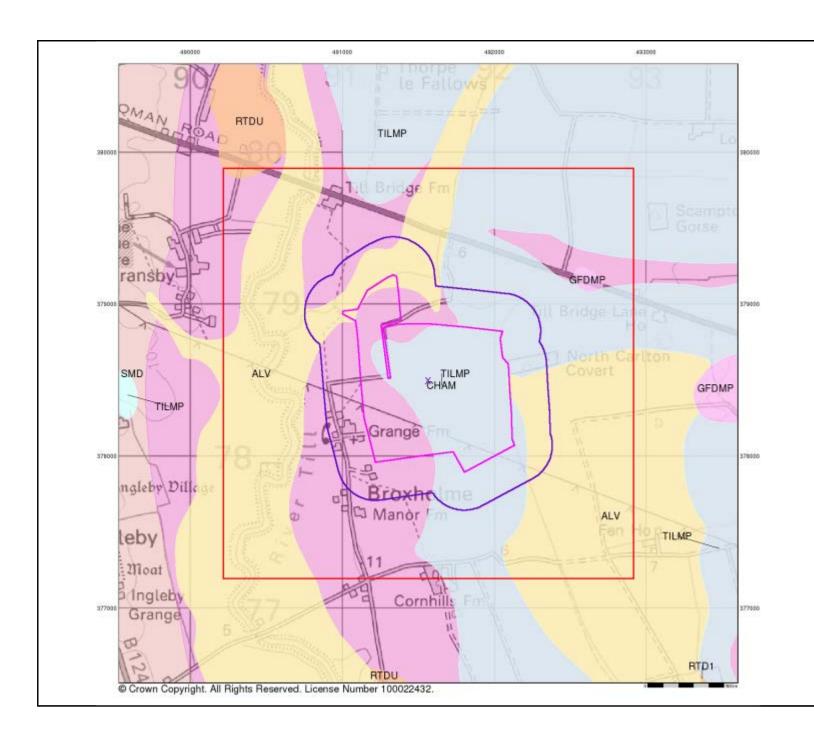
West Burton 1

Landmark

Tel: 0844 844 9952 Fax: 0844 844 9951 Veb: www.envirocheck.co

v15.0 04-Nov-2021

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#### **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.

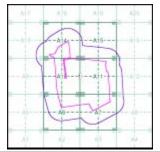
#### Additional Information

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): Search Buffer (m):

A 90.26 250

287331719\_1\_1 21-1098.02

491570, 378500

Site Details:

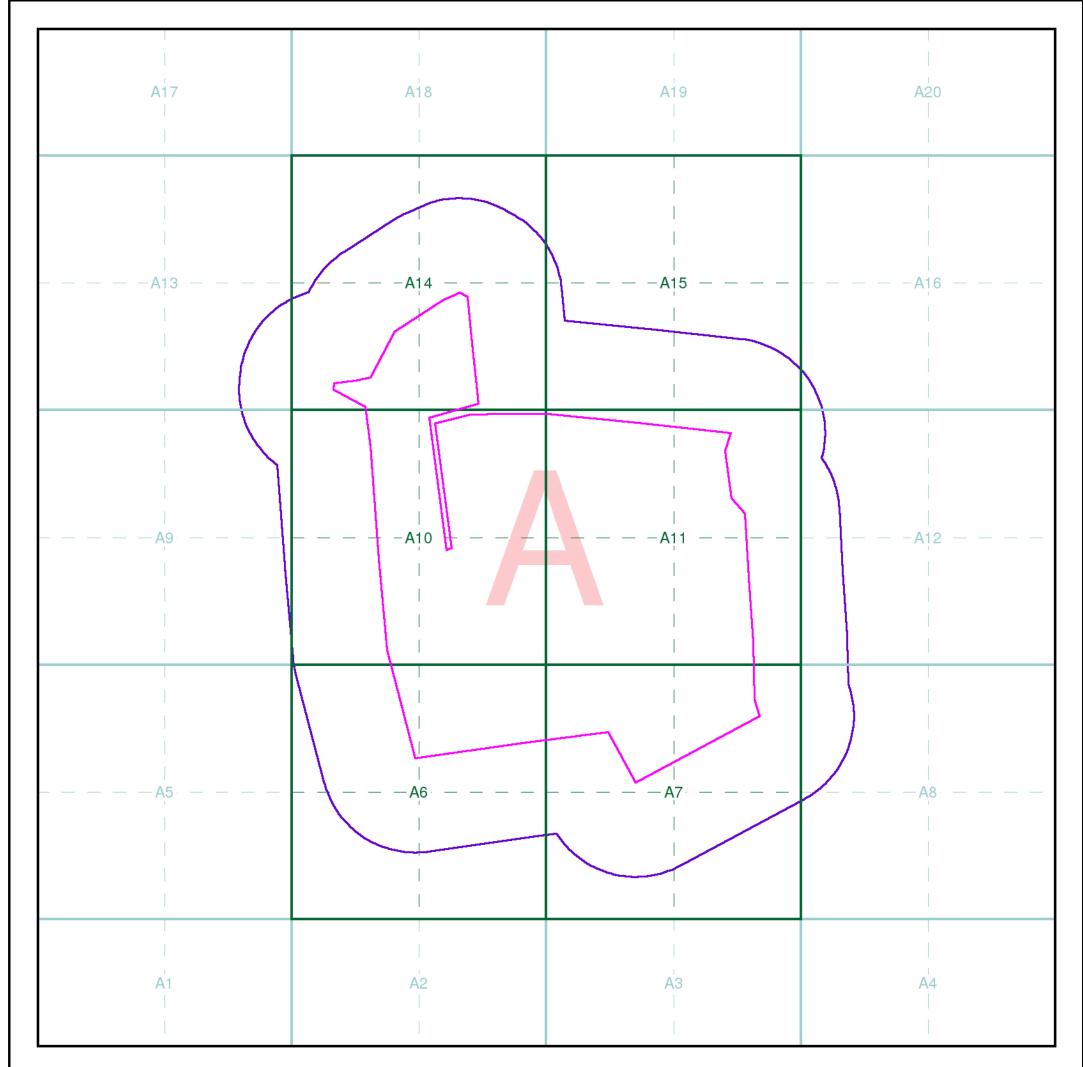
West Burton 1



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

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.

#### Seamer

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: 287331719\_1\_1
Customer Ref: 21-1098.02
National Grid Reference: 491580, 378470

Site Area (Ha): 90.26 Search Buffer (m): 250

# Site Details

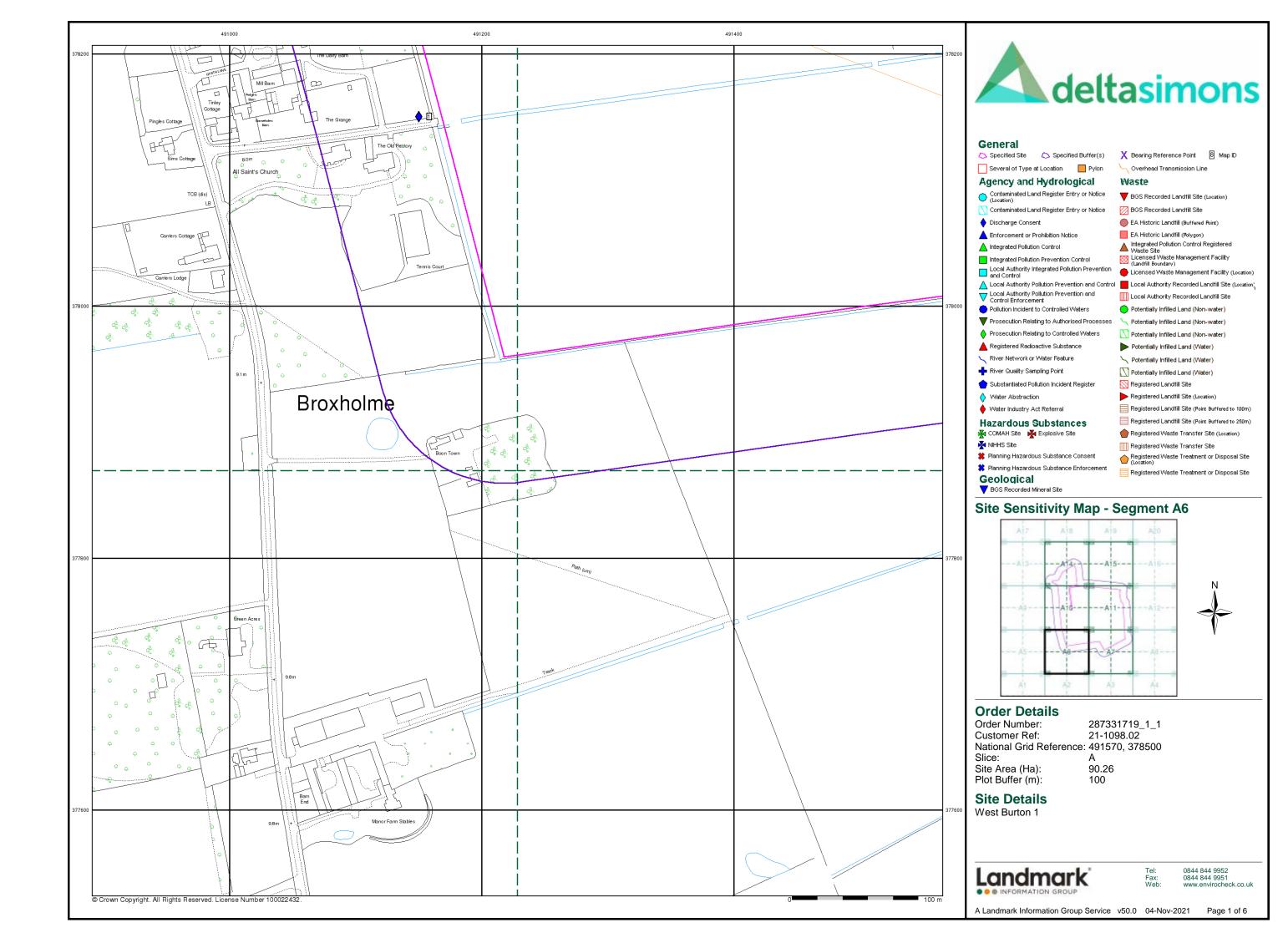
West Burton 1

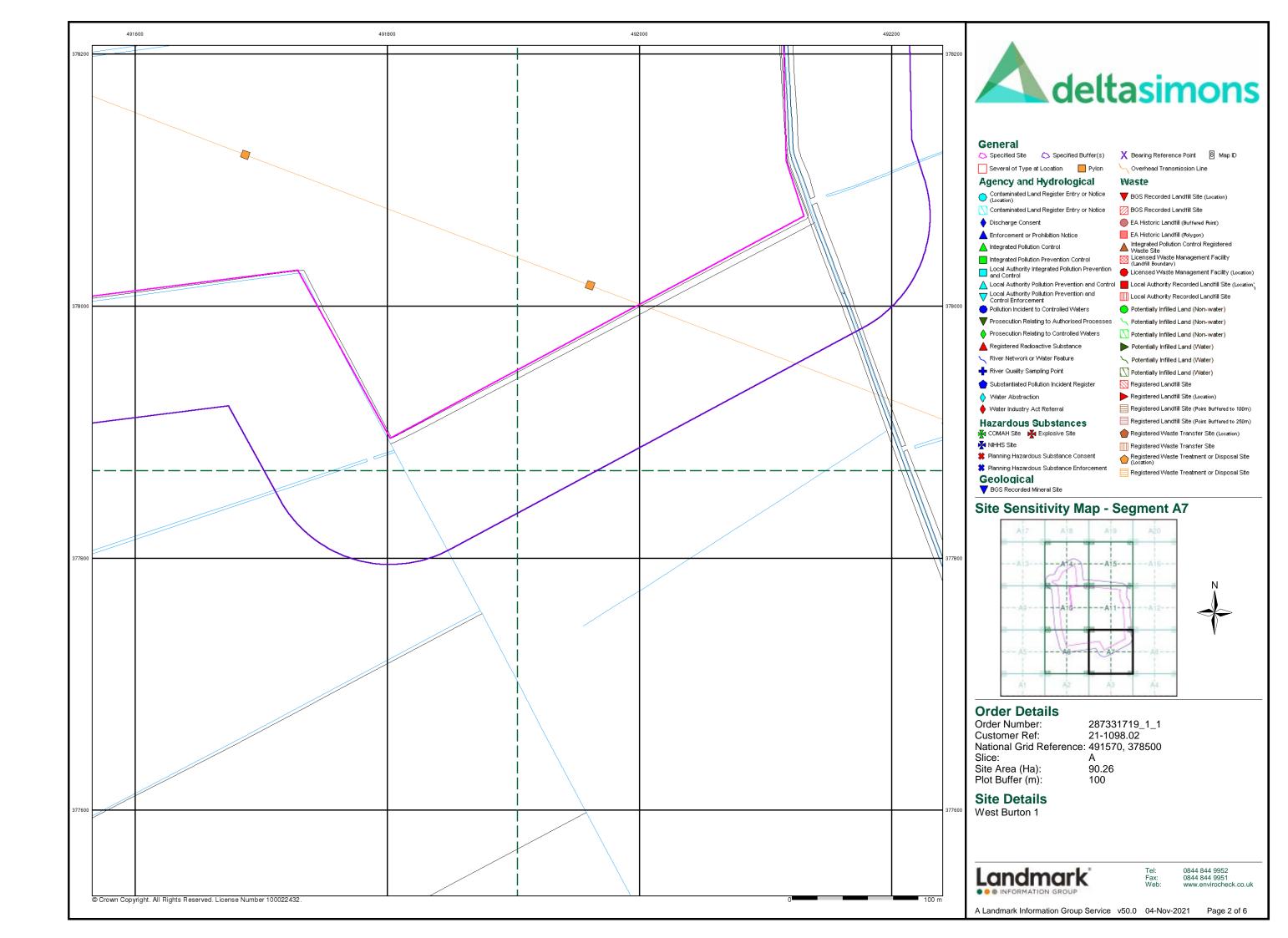
Full Terms and Conditions can be found on the following link:

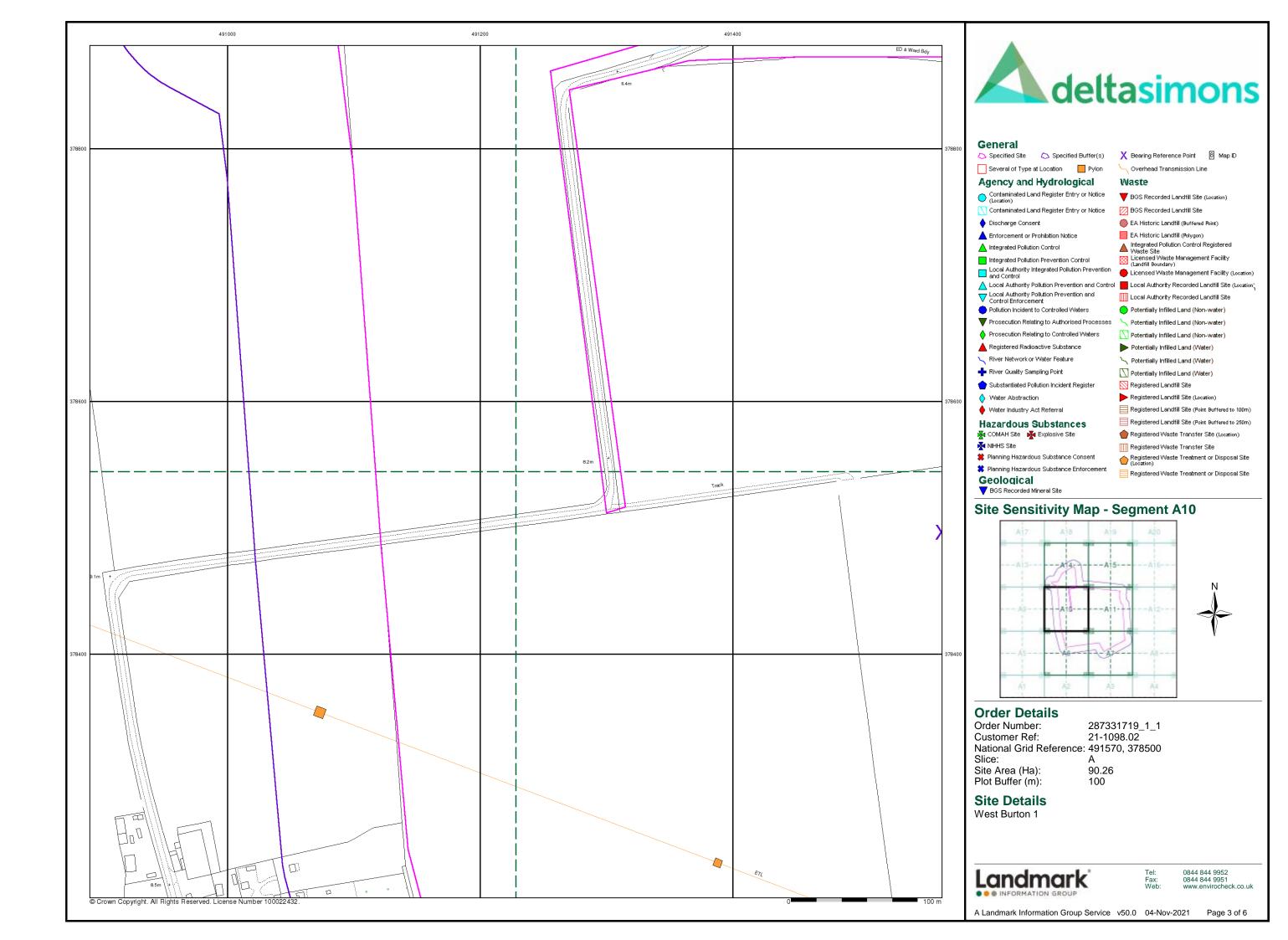


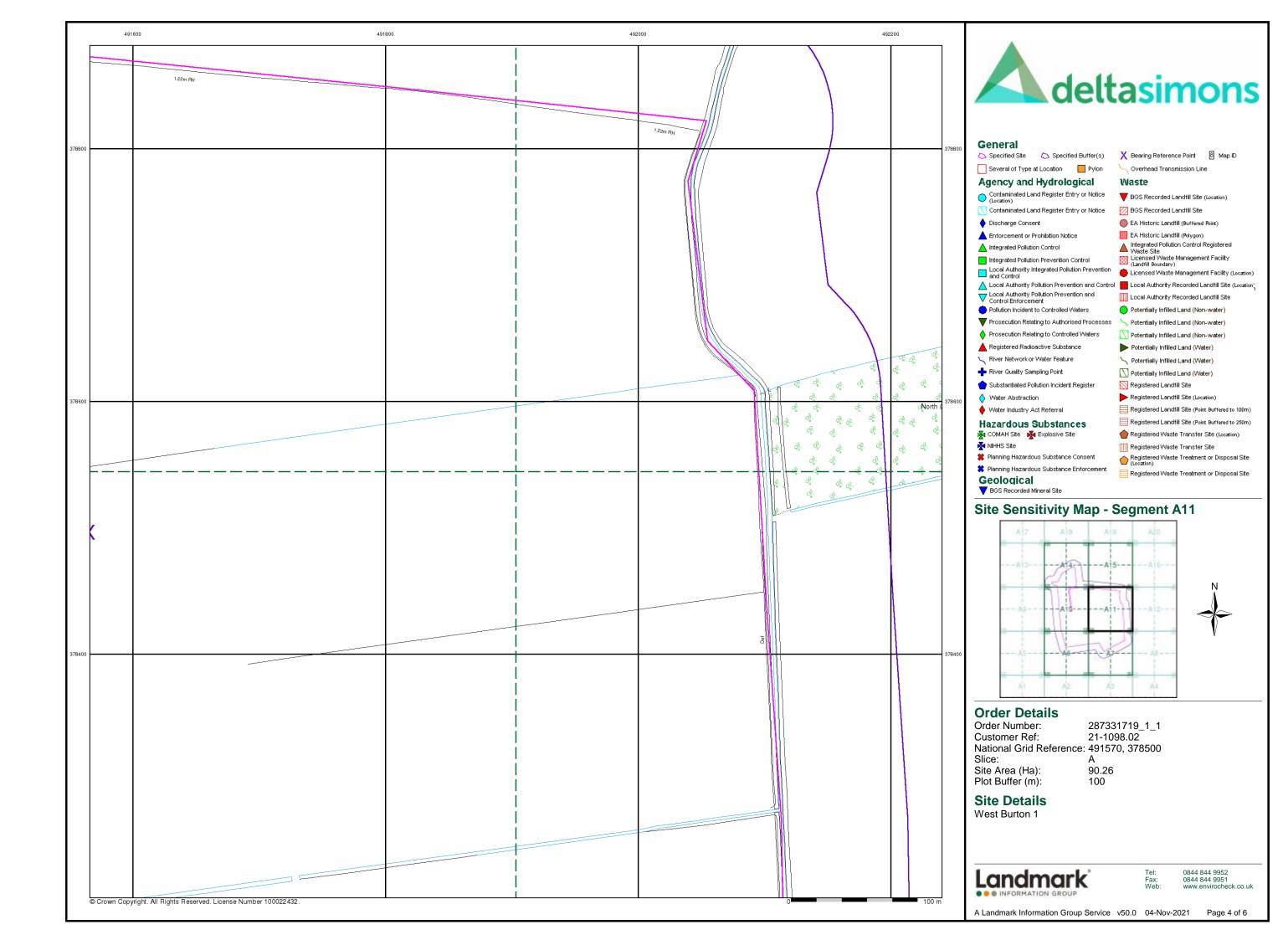
Tel: 0844 844 9952 Fax: 0844 844 9951 Web: www.envirocheck.co.uk

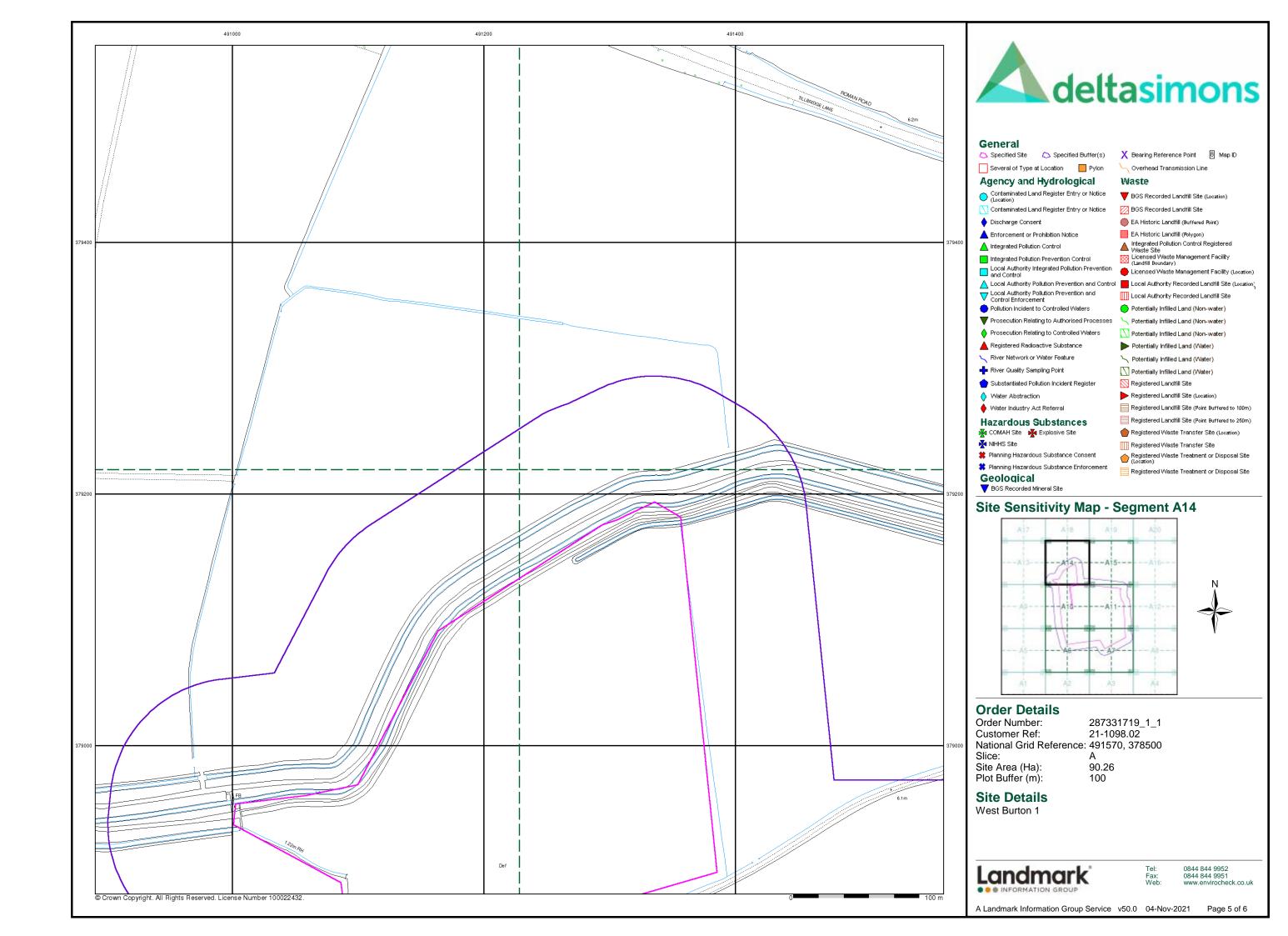
A Landmark Information Group Service v50.0 04-Nov-2021 Page 1 of 1

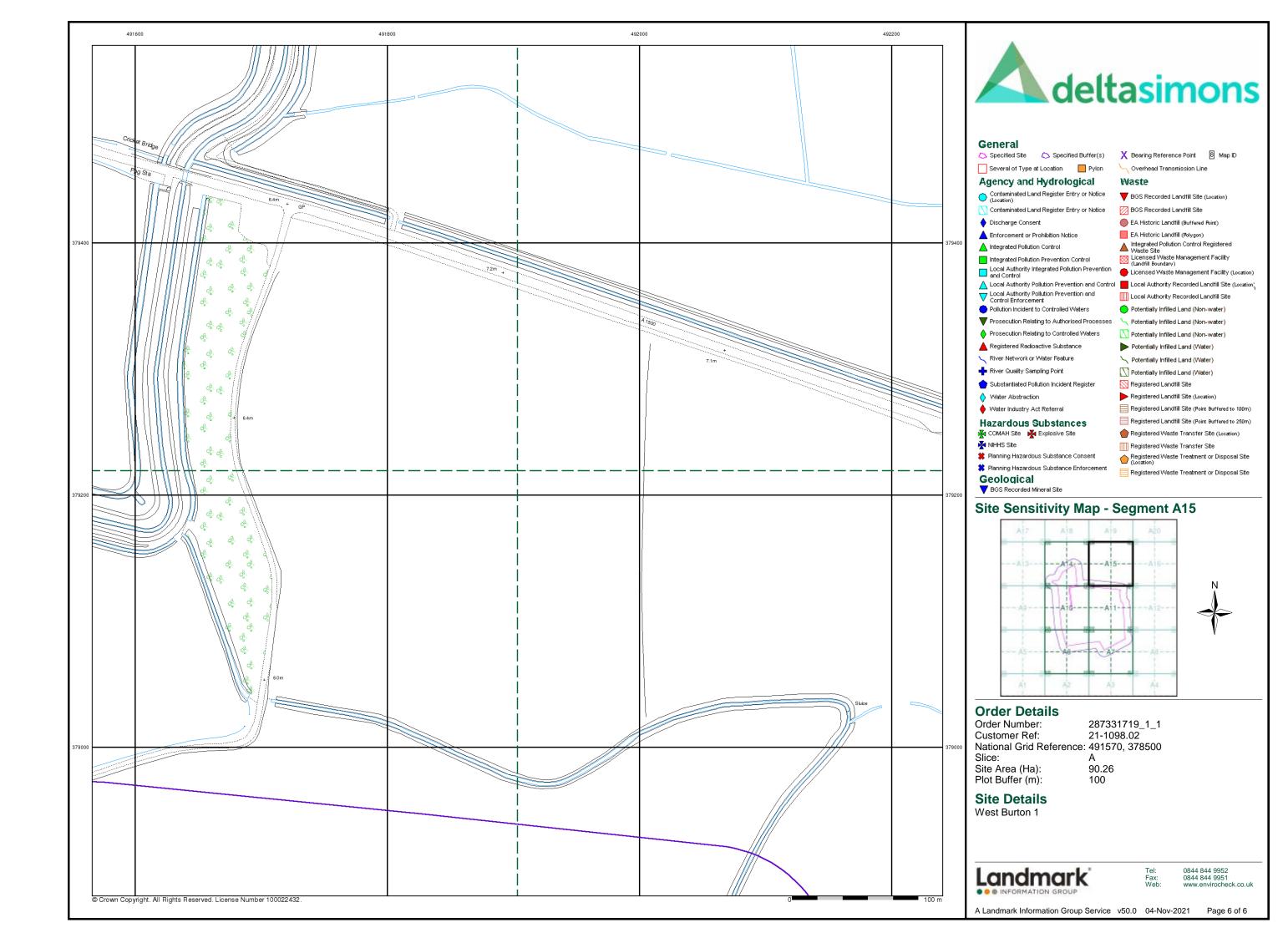


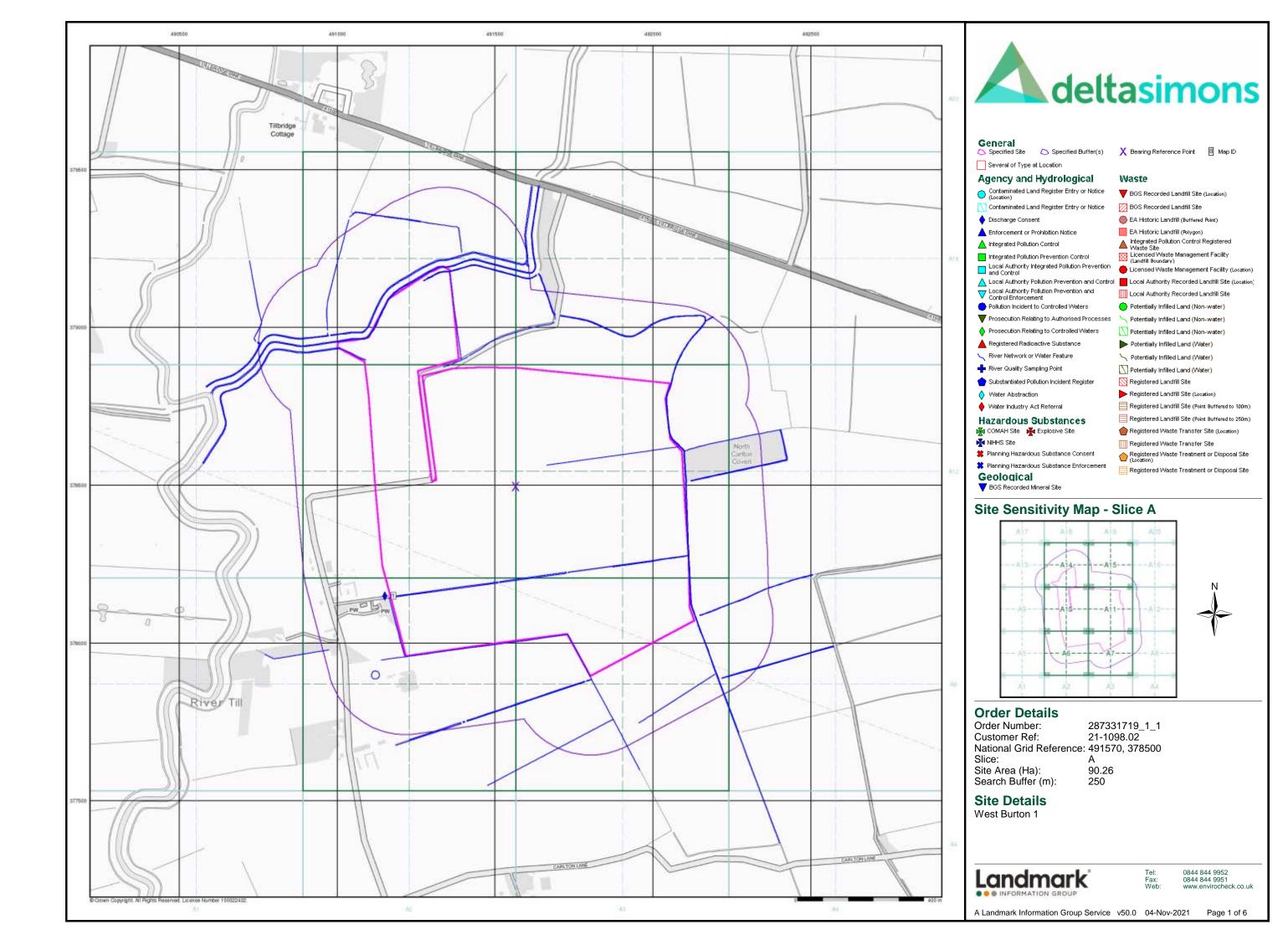


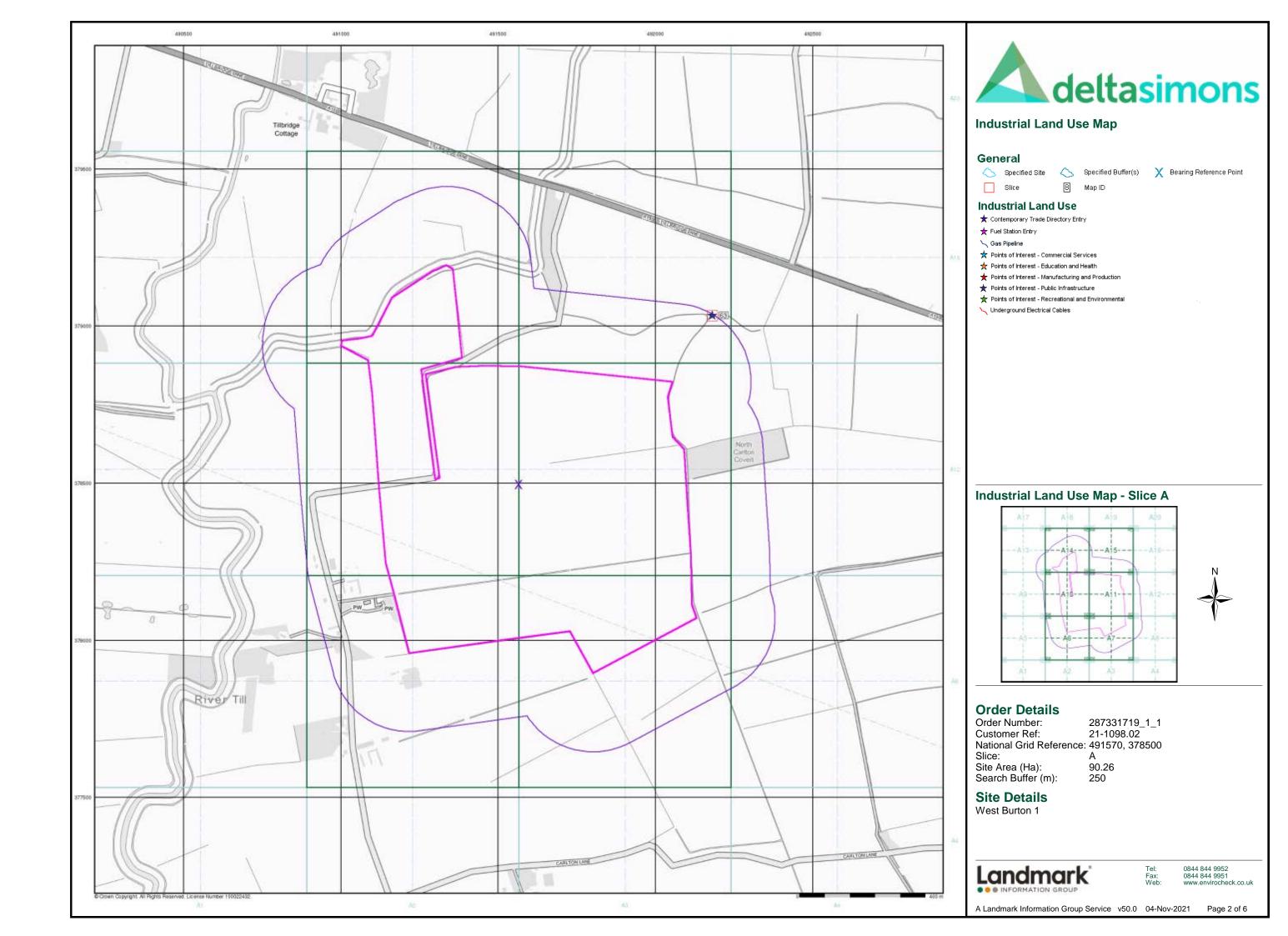


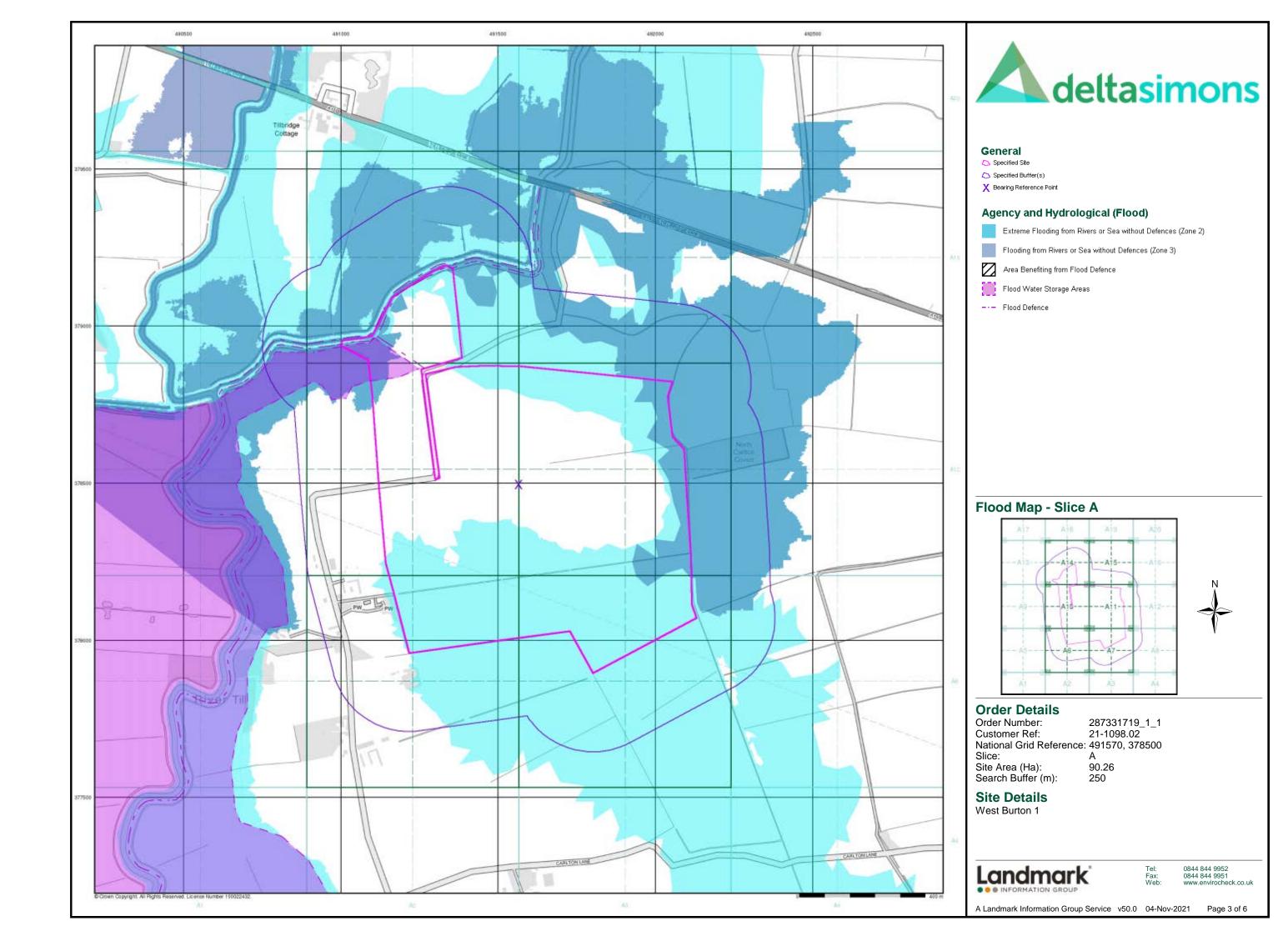


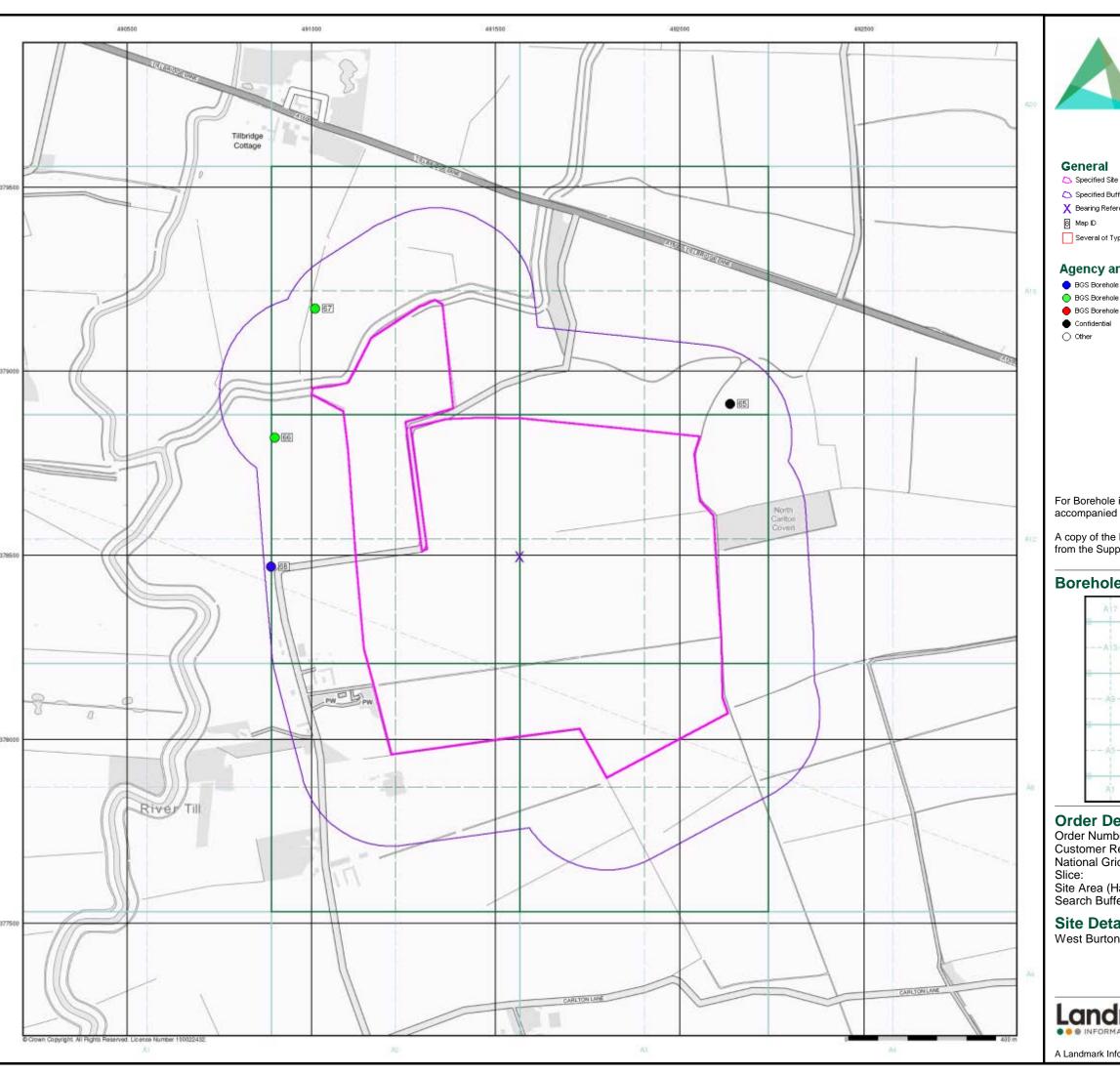














Specified Buffer(s)

X Bearing Reference Point

Several of Type at Location

# Agency and Hydrological (Boreholes)

BGS Borehole Depth 0 - 10m

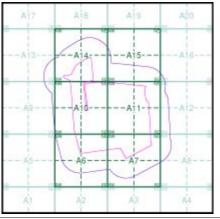
BGS Borehole Depth 10 - 30m

BGS Borehole Depth 30m +

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

# **Borehole Map - Slice A**





Order Number: 287331719\_1\_1
Customer Ref: 21-1098.02
National Grid Reference: 491570, 378500

Site Area (Ha): Search Buffer (m): 90.26

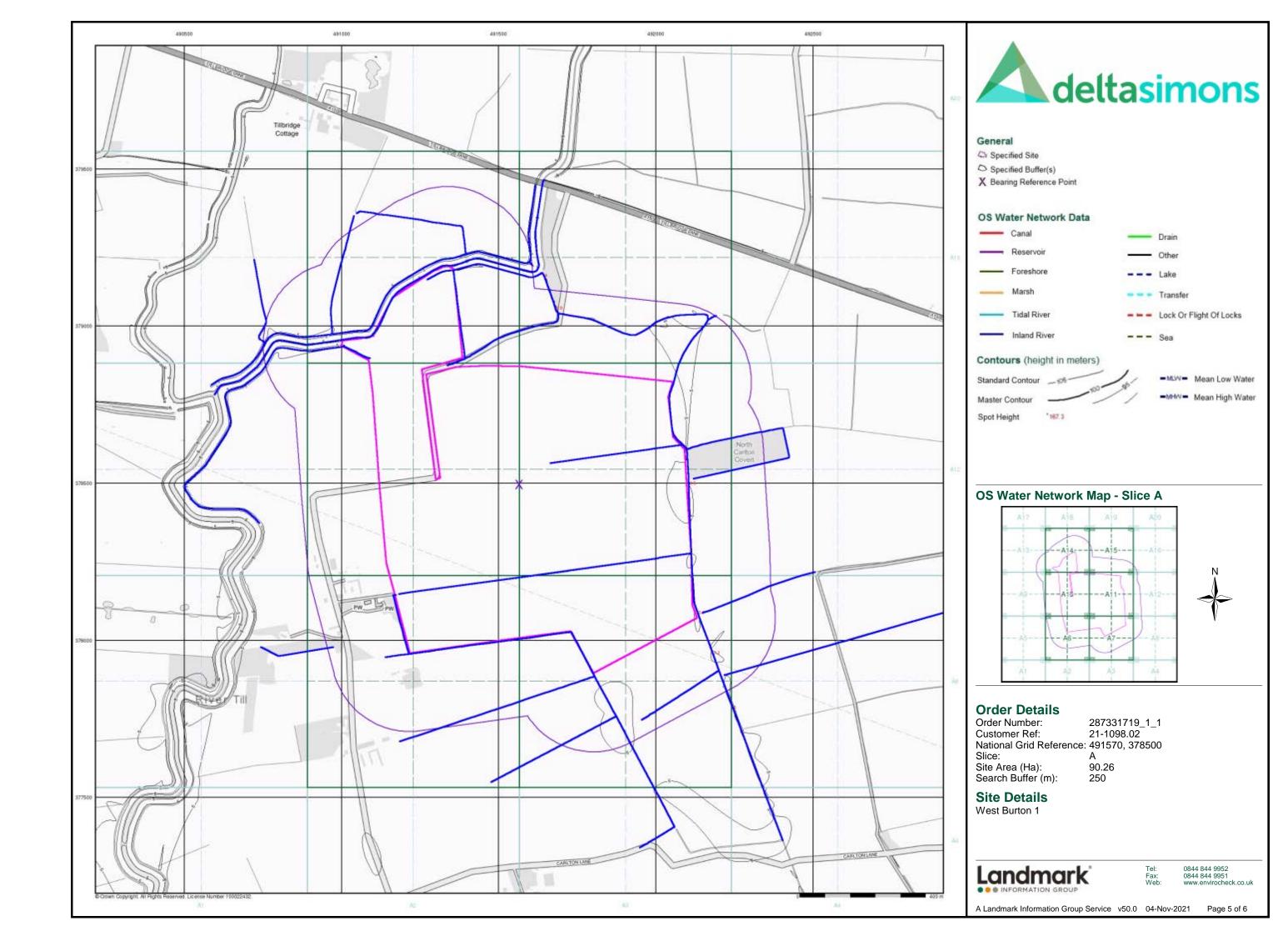
# **Site Details**

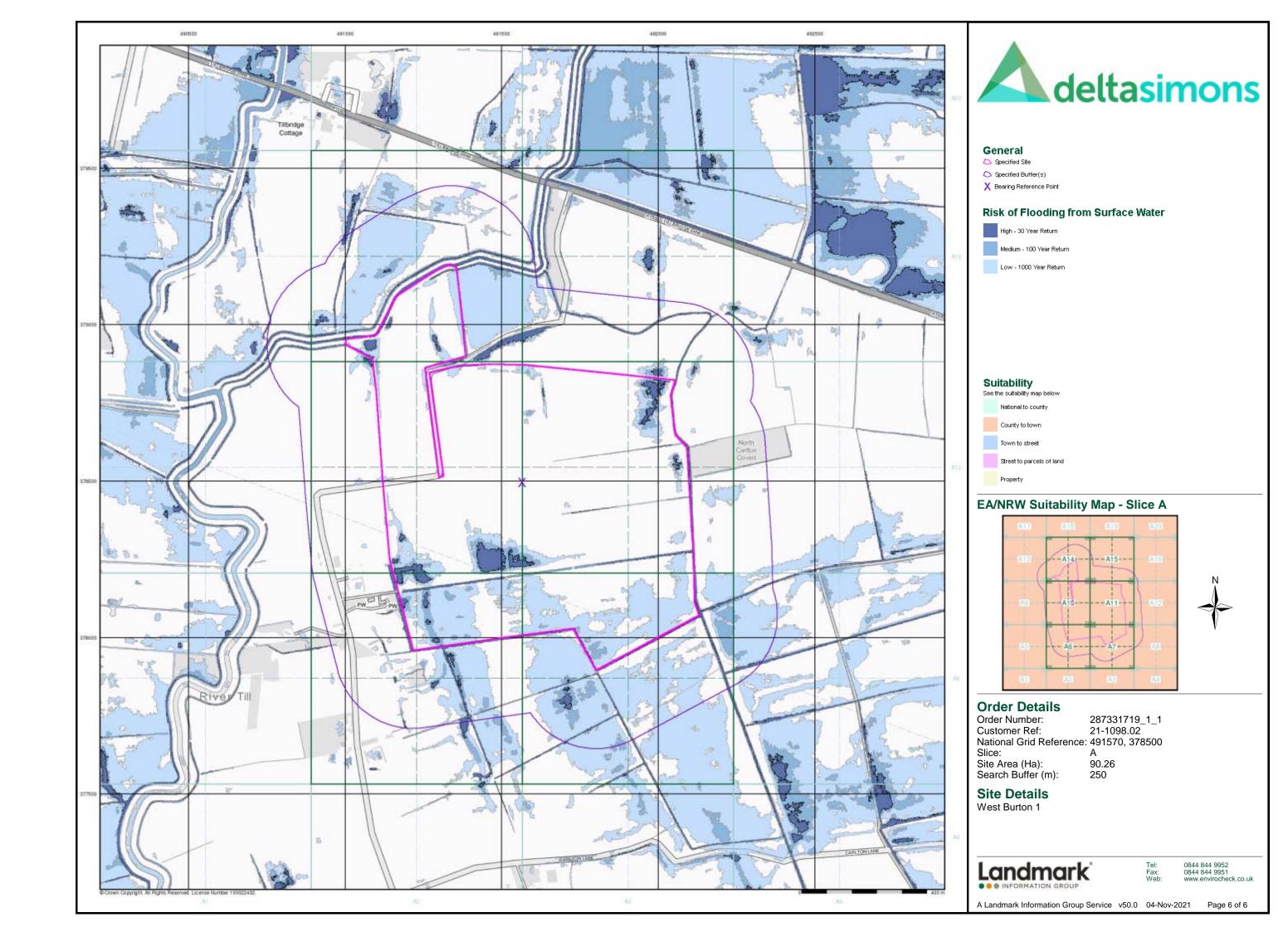
West Burton 1

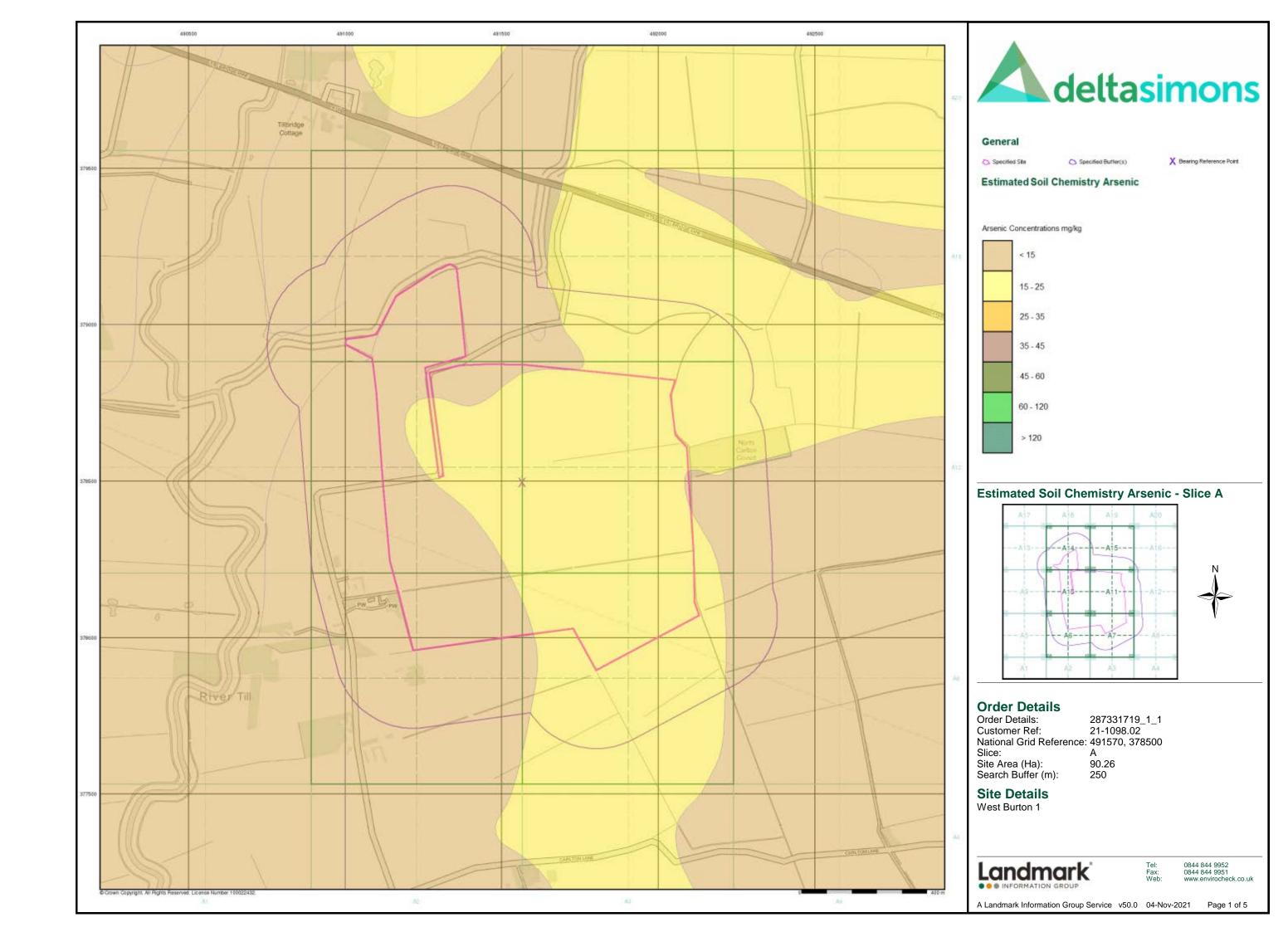


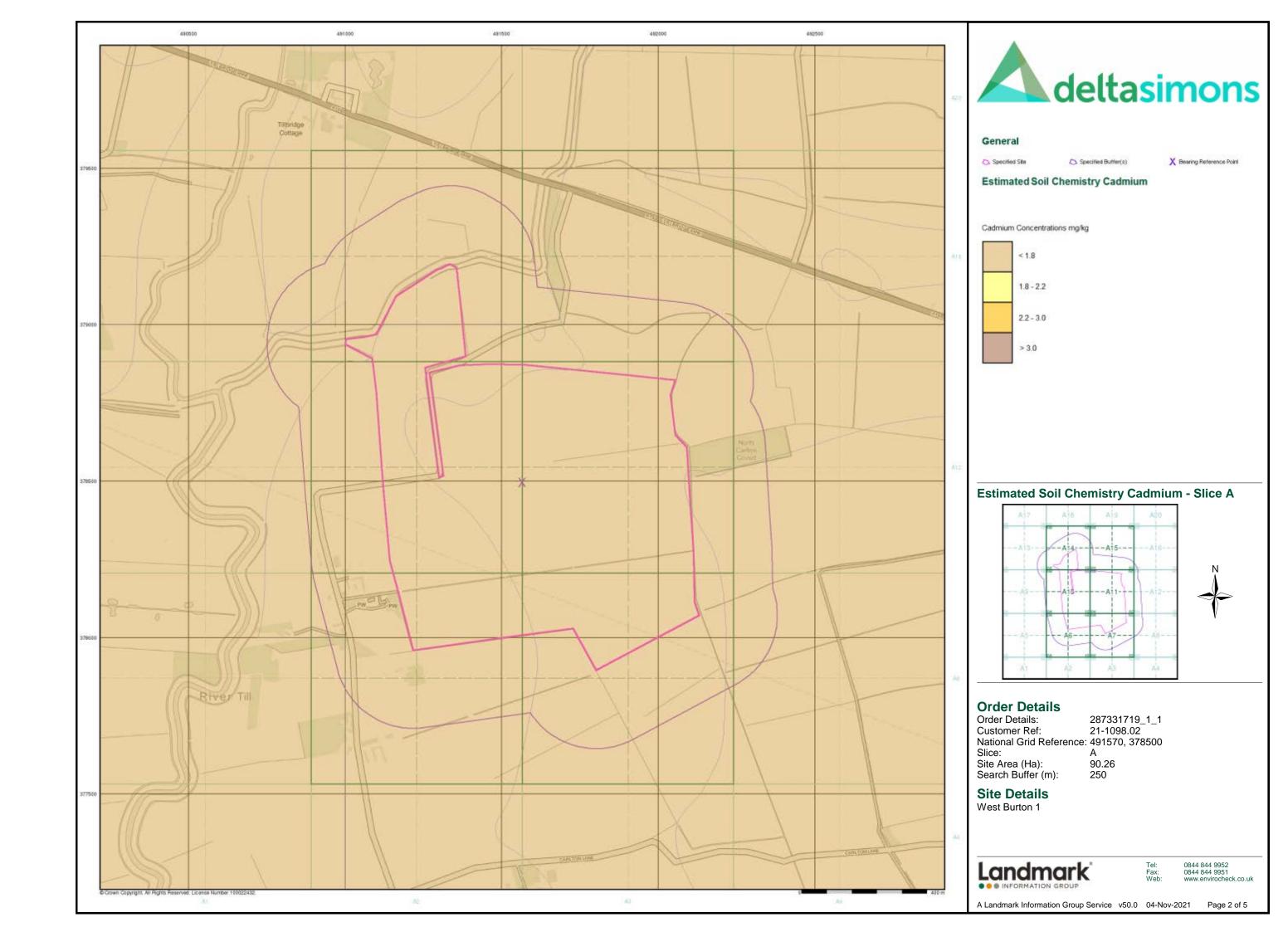
0844 844 9952 0844 844 9951 www.envirocheck.co.uk

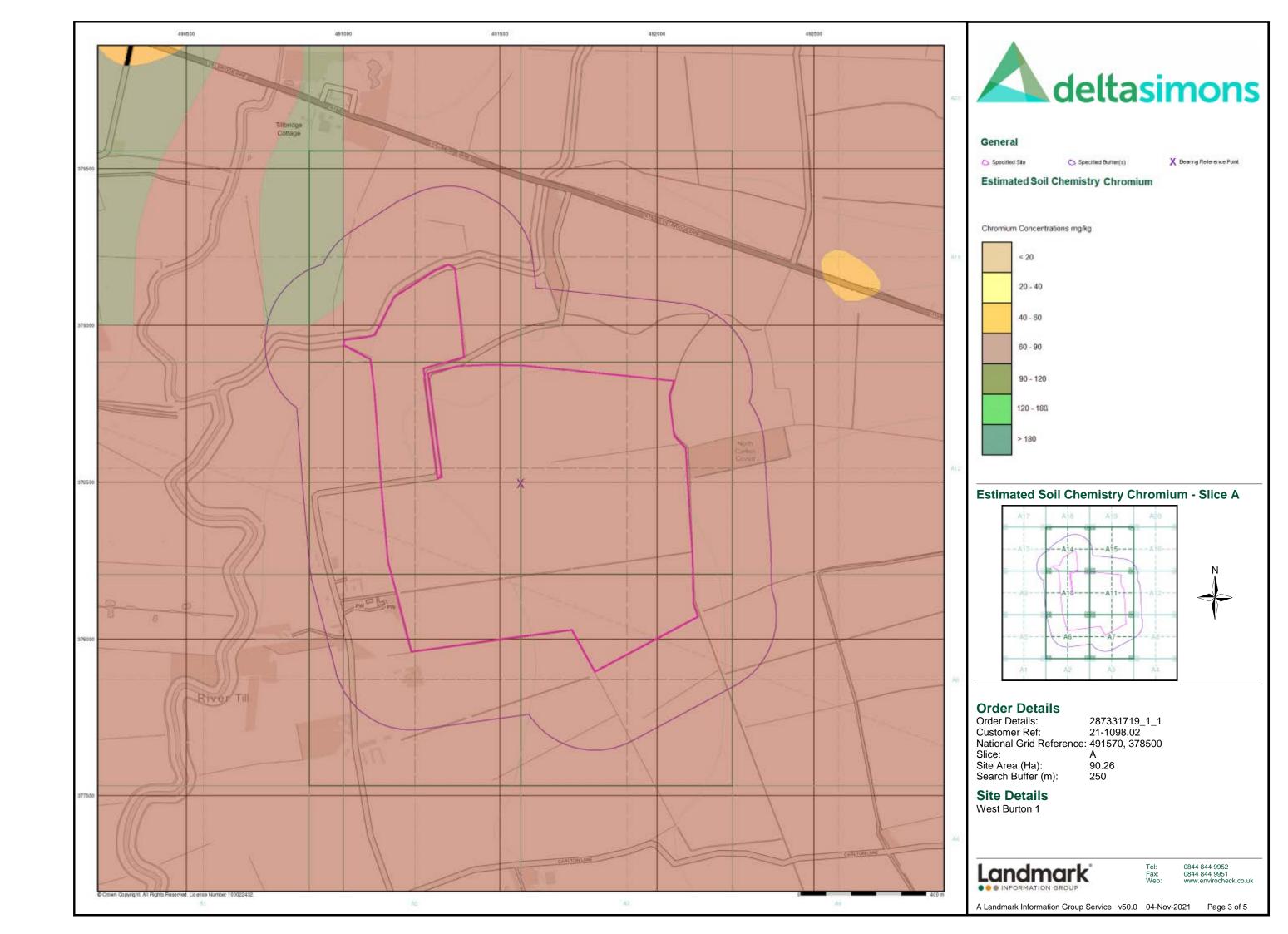
A Landmark Information Group Service v50.0 04-Nov-2021 Page 4 of 6

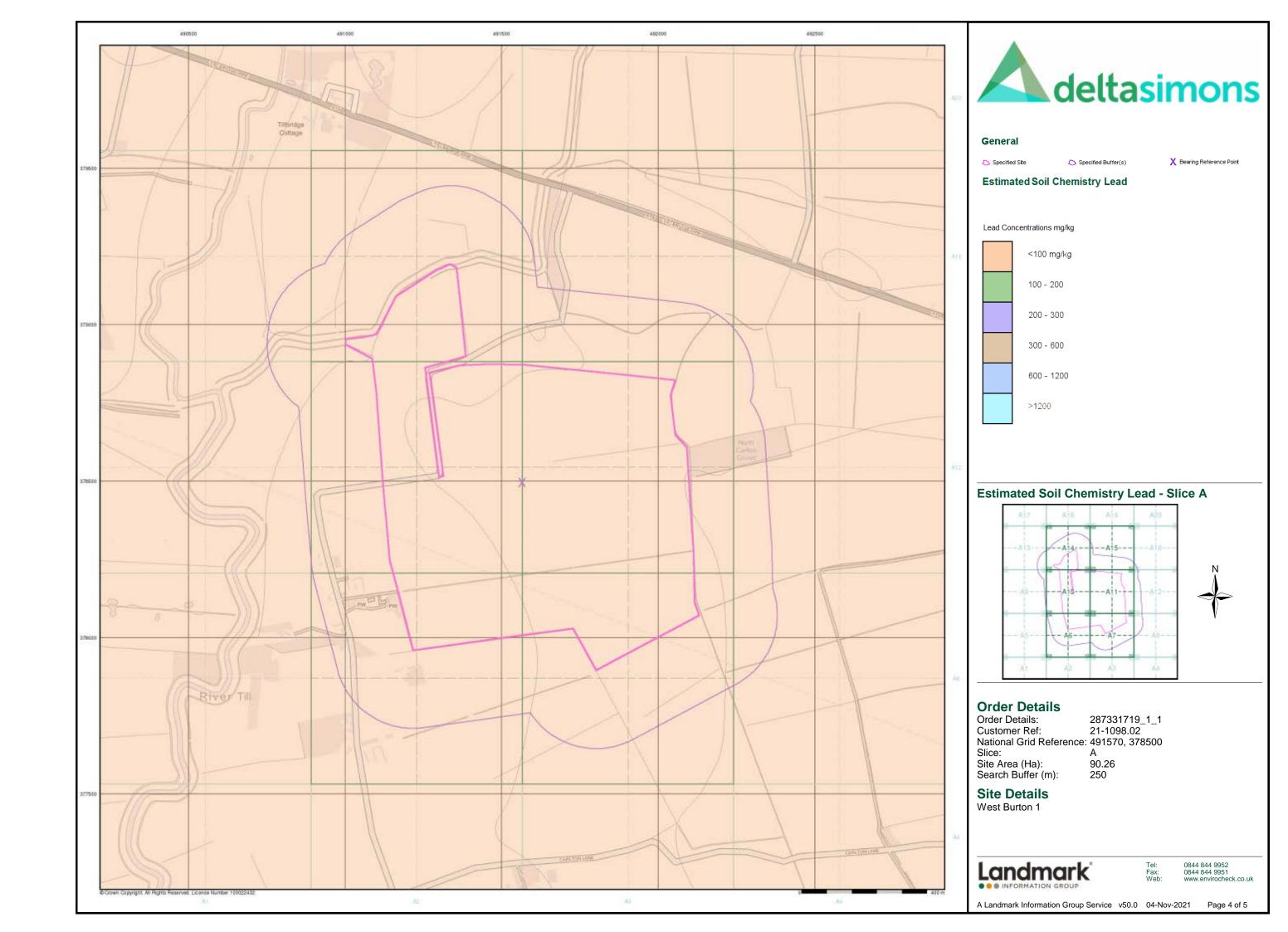




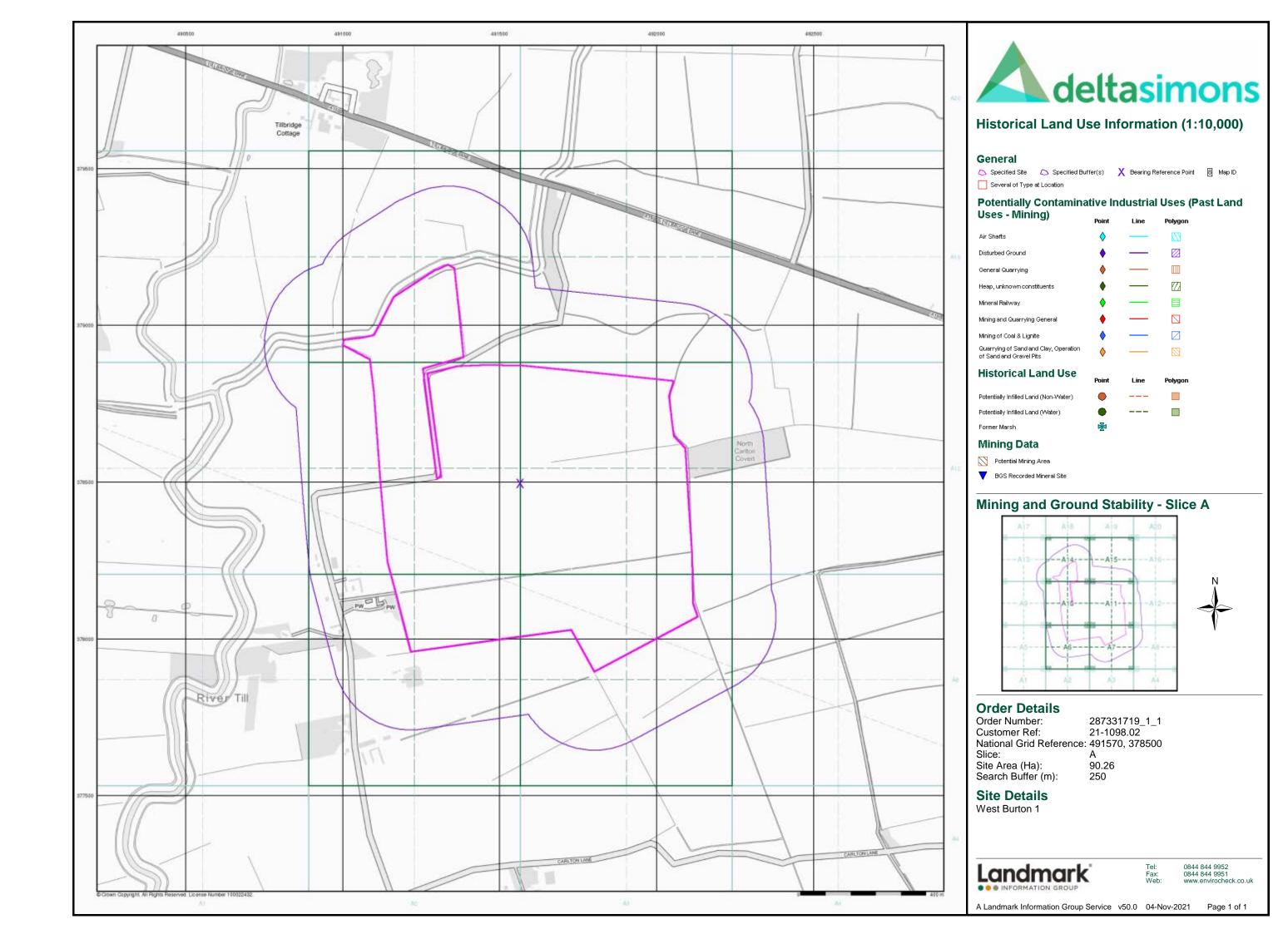


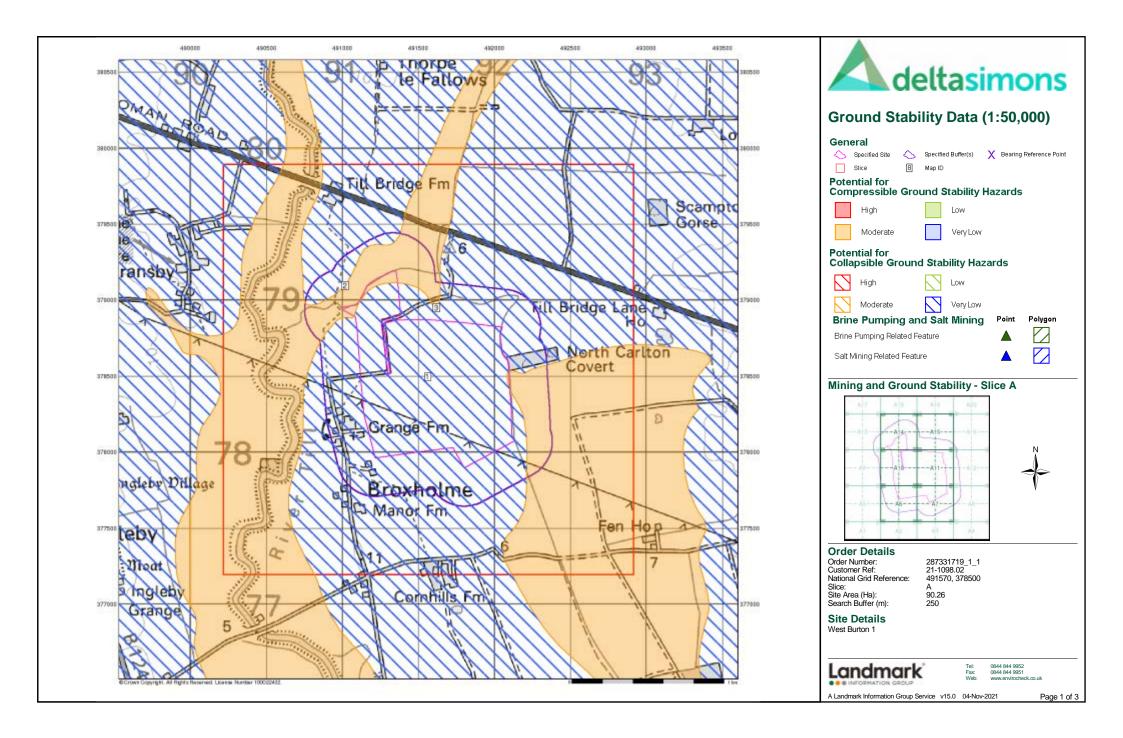


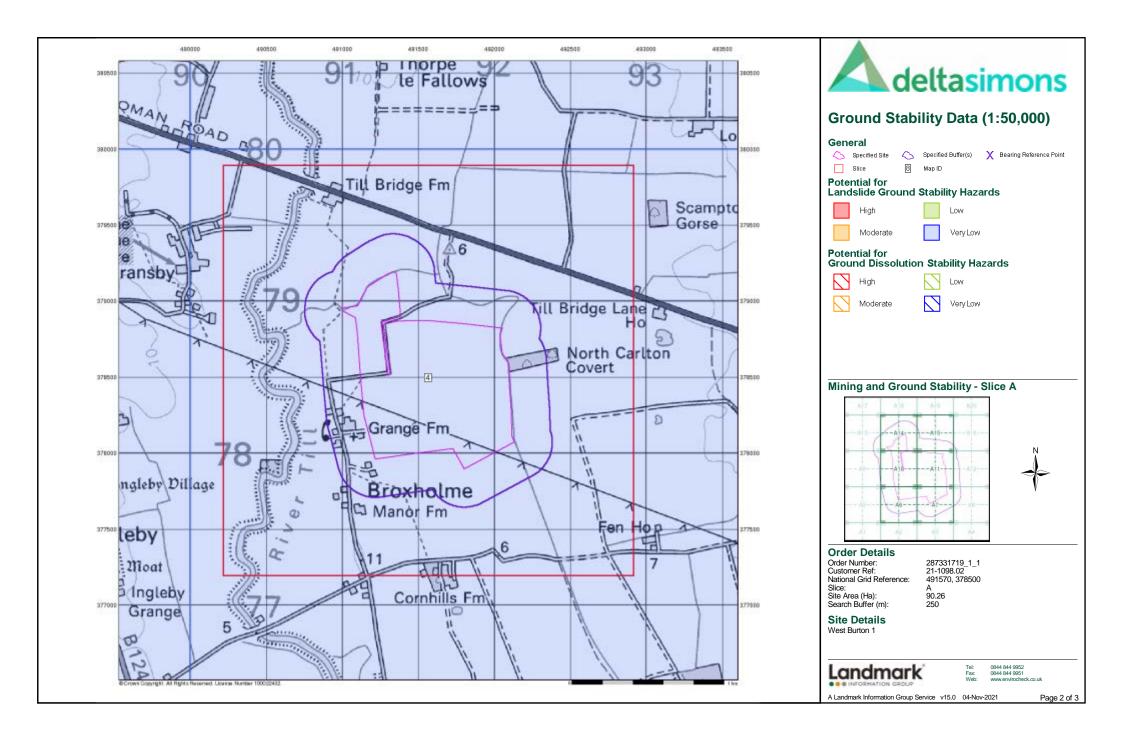


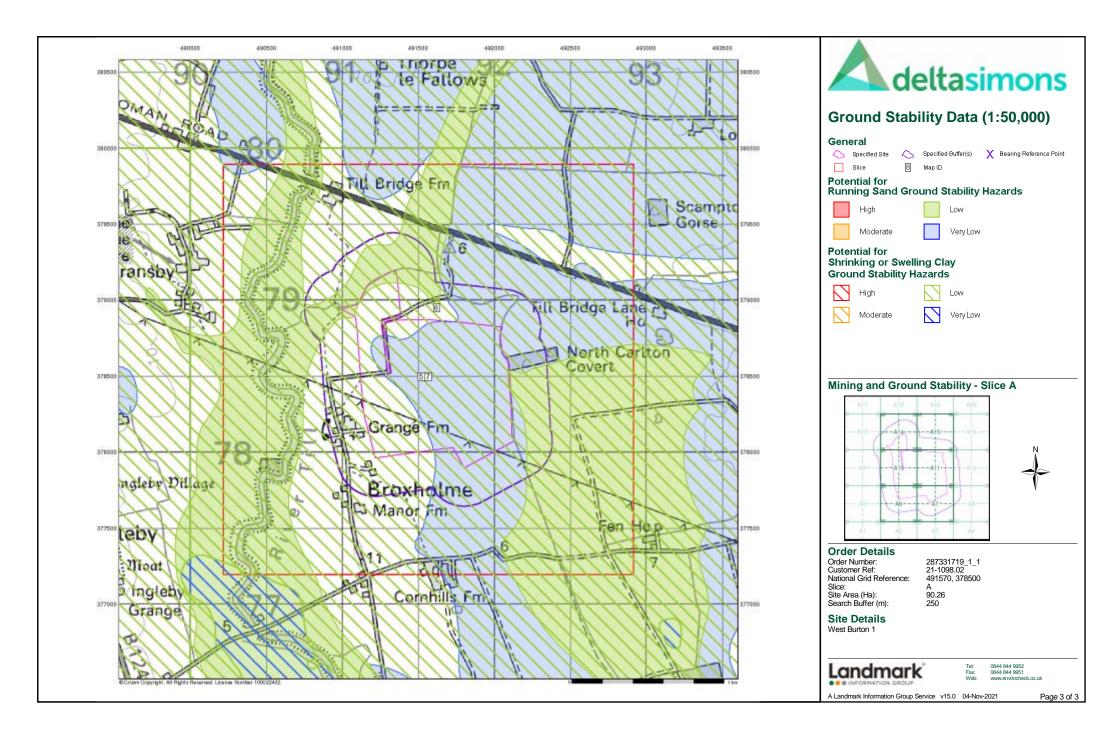














# **Envirocheck® Report:**

# Mining and Ground Stability Datasheet

# **Order Details:**

Order Number:

287331719\_1\_1

**Customer Reference:** 

21-1098.02

**National Grid Reference:** 

491570, 378500

Slice:

Α

Site Area (Ha):

90.26

Search Buffer (m):

250

**Site Details:** 

West Burton 1

# **Client Details:**

Mr A Howells
Delta Simons
3 Henley Office Park
Doddington Road
Lincoln
LN6 3QR





Page Number



Report occitor and betails	i age itallibei	
Summary	-	
The Summary section provides an overview of the data contained within the report, detailing the 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 Cav Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data	rities Data, Historical Land	
Mining and Natural Cavities Data	-	
The Mining and Natural Cavities Data section features data sets related to the existence of mini hazards; and details of naturally formed cavities.  Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites 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 any 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)	-	

Report Section and Details

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)

1

5

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	2		
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	3		
Data Suppliers	4		

### Copyright Notice

**Useful Contacts** 

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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 1	Yes	
Potential for Landslide Ground Stability Hazards	pg 1	Yes	
Potential for Running Sand Ground Stability Hazards	pg 1	Yes	Yes
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 1	Yes	
Salt Mining Related Features			

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# **Ground Stability Data (1:50,000)**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensa					
		all within the brine compensation area.				
	Brine Subsidence	Solution Area  Ill within the brine subsidence solution area.				
		psible Ground Stability Hazards				
1	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	A10SE (SW)	0	1	491565 378496
	Potential for Colla	psible Ground Stability Hazards				
2	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	A14SW (NW)	99	1	491018 379093
	Potential for Colla	psible Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	A15SW (N)	0	1	491621 378948
	Potential for Comp	pressible Ground Stability Hazards				
3	Hazard Potential: Source:	Moderate British Geological Survey, National Geoscience Information Service	A15SW (N)	0	1	491621 378948
	Potential for Compressible Ground Stability Hazards					
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	A10SE (SW)	0	1	491565 378496
	Potential for Comp	pressible Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	A14SW (NW)	99	1	491018 379093
	Potential for Groun	nd Dissolution Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	A10SE (SW)	0	1	491565 378496
	Potential for Lands	slide Ground Stability Hazards				
4	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	A10SE (SW)	0	1	491565 378496
	Potential for Runn	ing Sand Ground Stability Hazards				
5	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	A10SE (SW)	0	1	491565 378496
	Potential for Runn	ing Sand Ground Stability Hazards				
6	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	A15SW (N)	0	1	491621 378948
	Potential for Runn	ing Sand Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	A10SE (SW)	0	1	491416 378377
	Potential for Runn	ing Sand Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	A14SW (NW)	99	1	491018 379093
	Potential for Shrin	king or Swelling Clay Ground Stability Hazards				
7	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	A10SE (SW)	0	1	491565 378496

Order Number: 287331719\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page



# **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	SK9079	1973
Ordnance Survey Plan	SK9179	1973
Ordnance Survey Plan	SK9179	1973
Ordnance Survey Plan	SK9277	1973
Ordnance Survey Plan	SK9077	1974
Ordnance Survey Plan	SK9078	1974
Ordnance Survey Plan	SK9078	1974
Ordnance Survey Plan	SK9078	1974
Ordnance Survey Plan	SK9177	1974
Ordnance Survey Plan	SK9177	1974
Ordnance Survey Plan	SK9178	1974
Ordnance Survey Plan	SK9178	1974
Ordnance Survey Plan	SK9178	1974
Ordnance Survey Plan	SK9178	1974
Ordnance Survey Plan	SK9178	1974
Ordnance Survey Plan	SK9178	1974
Ordnance Survey Plan	SK9278	1974
Ordnance Survey Plan	SK9278	1974
Ordnance Survey Plan	SK9278	1974
Ordnance Survey Plan	SK9279	1974

# The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Lincolnshire	060_NE	1890
Lincolnshire	061_NW	1891
Lincolnshire	060_NE	1907
Lincolnshire	061_NW	1907
Lincolnshire	060_NE	1947
Lincolnshire	061_NW	1947
Ordnance Survey Plan	SK97NW	1956
1:10,000	Mapsheet	Published Date
Ordnance Survey Plan	SK97NW	1976

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## **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

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## **Data Suppliers**

A selection of organisations who provide data within this report

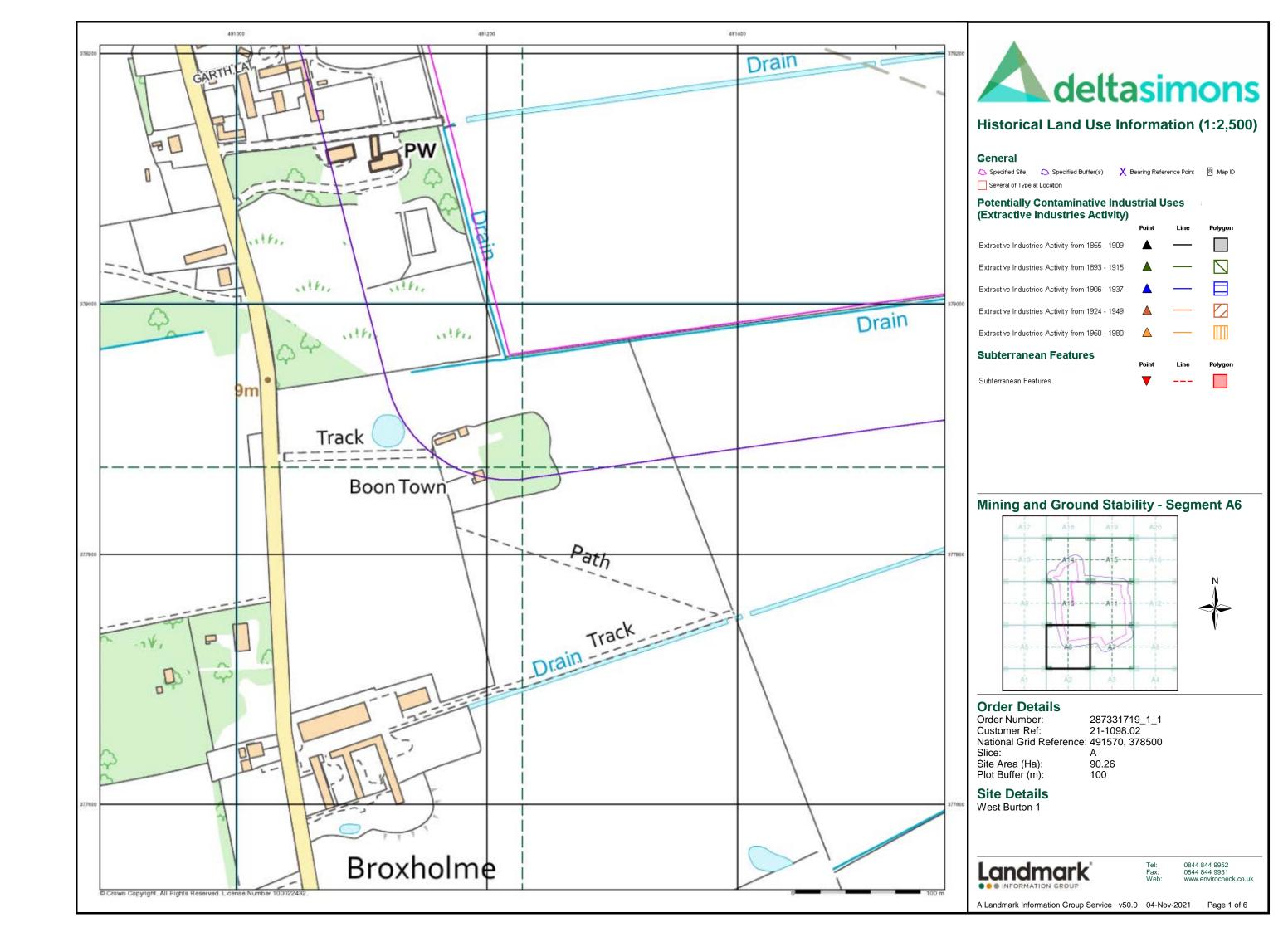
Data Supplier	Data Supplier Logo
Ordnance Survey	Map data
British Geological Survey	British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
The Coal Authority	The Coal Authority
Ove Arup	ARUP
Stantec UK Ltd	Stantec
Wardell Armstrong	wardell armstrong
Johnson Poole & Bloomer	JPB

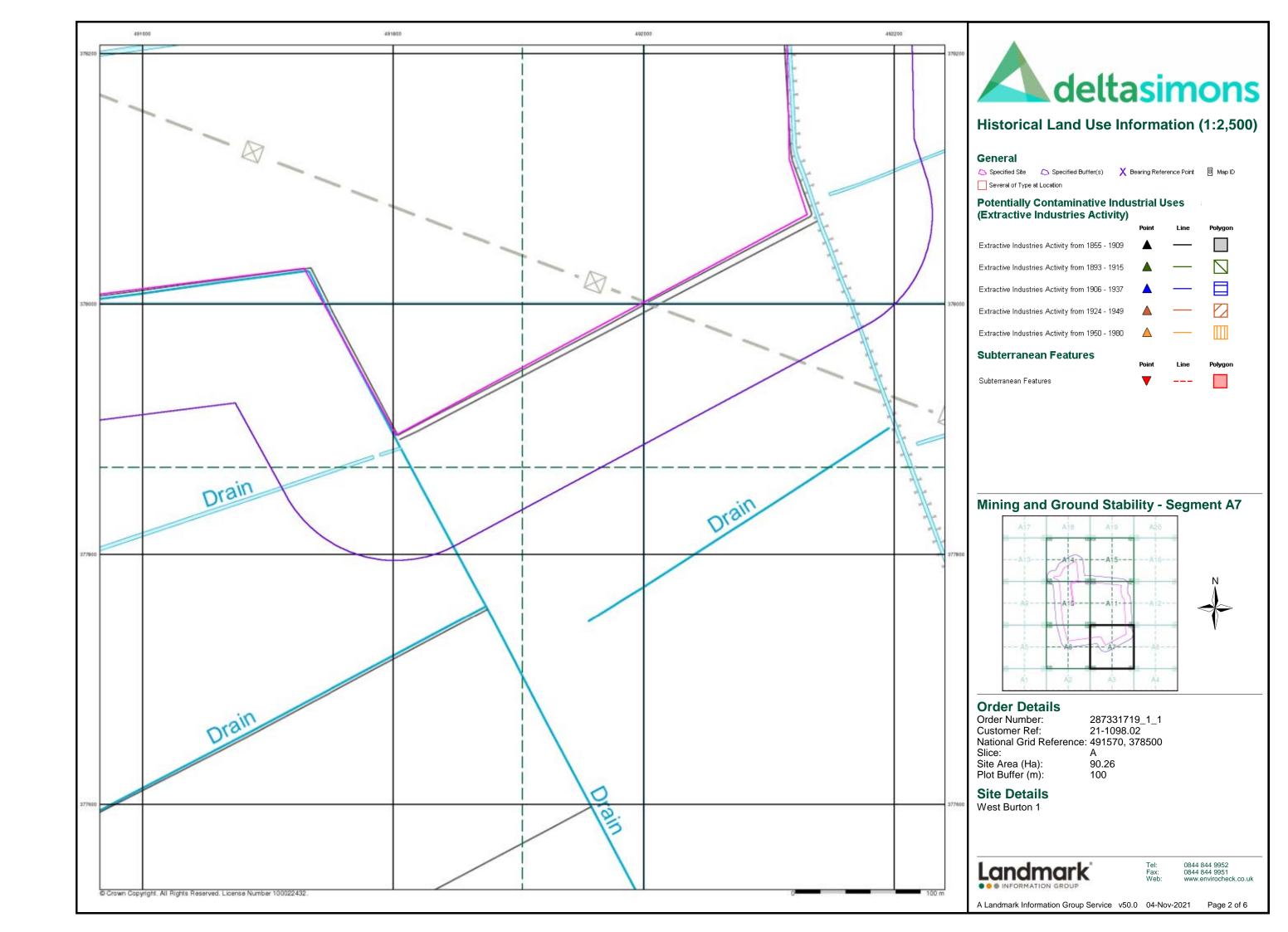


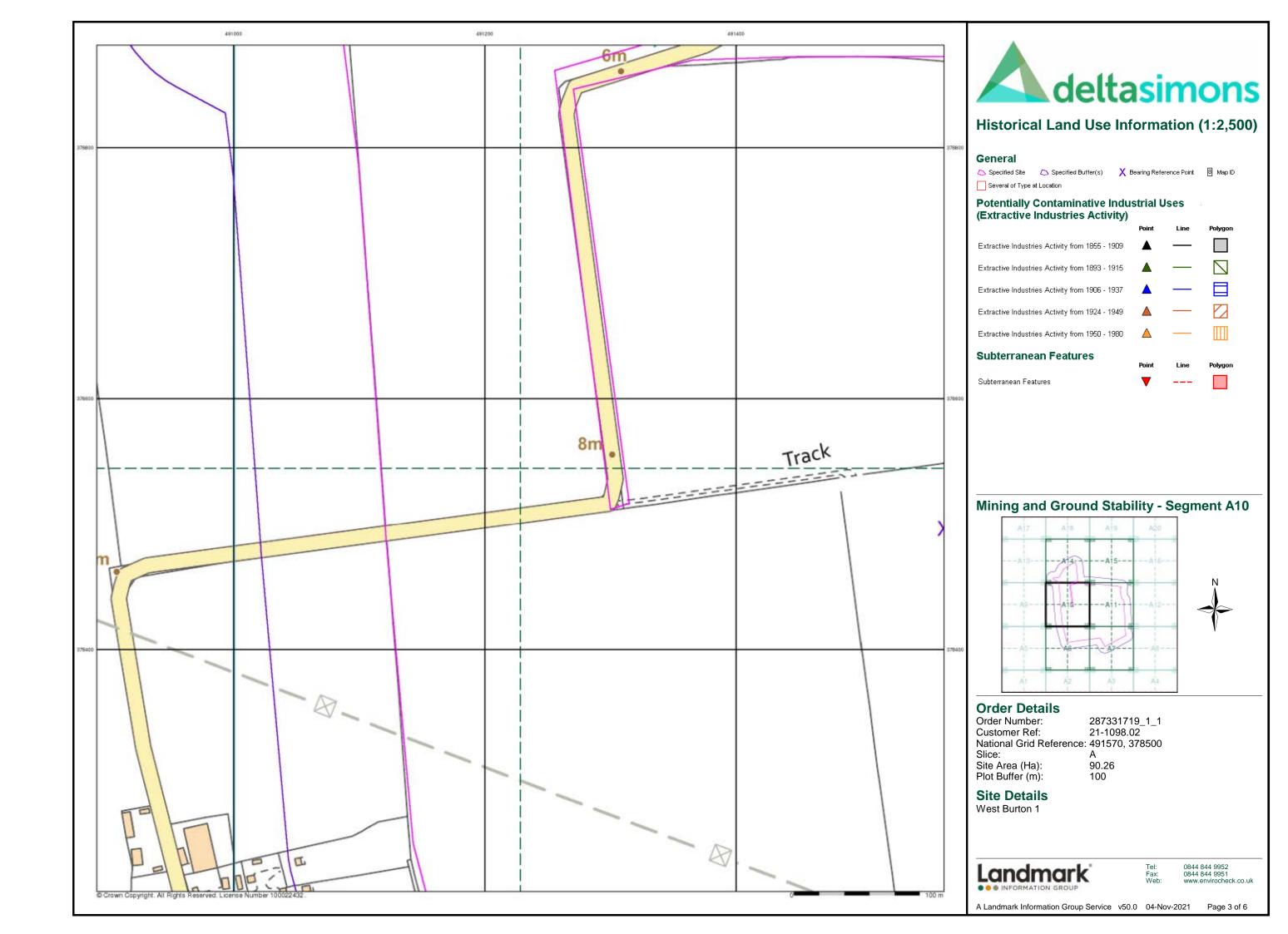
## **Useful Contacts**

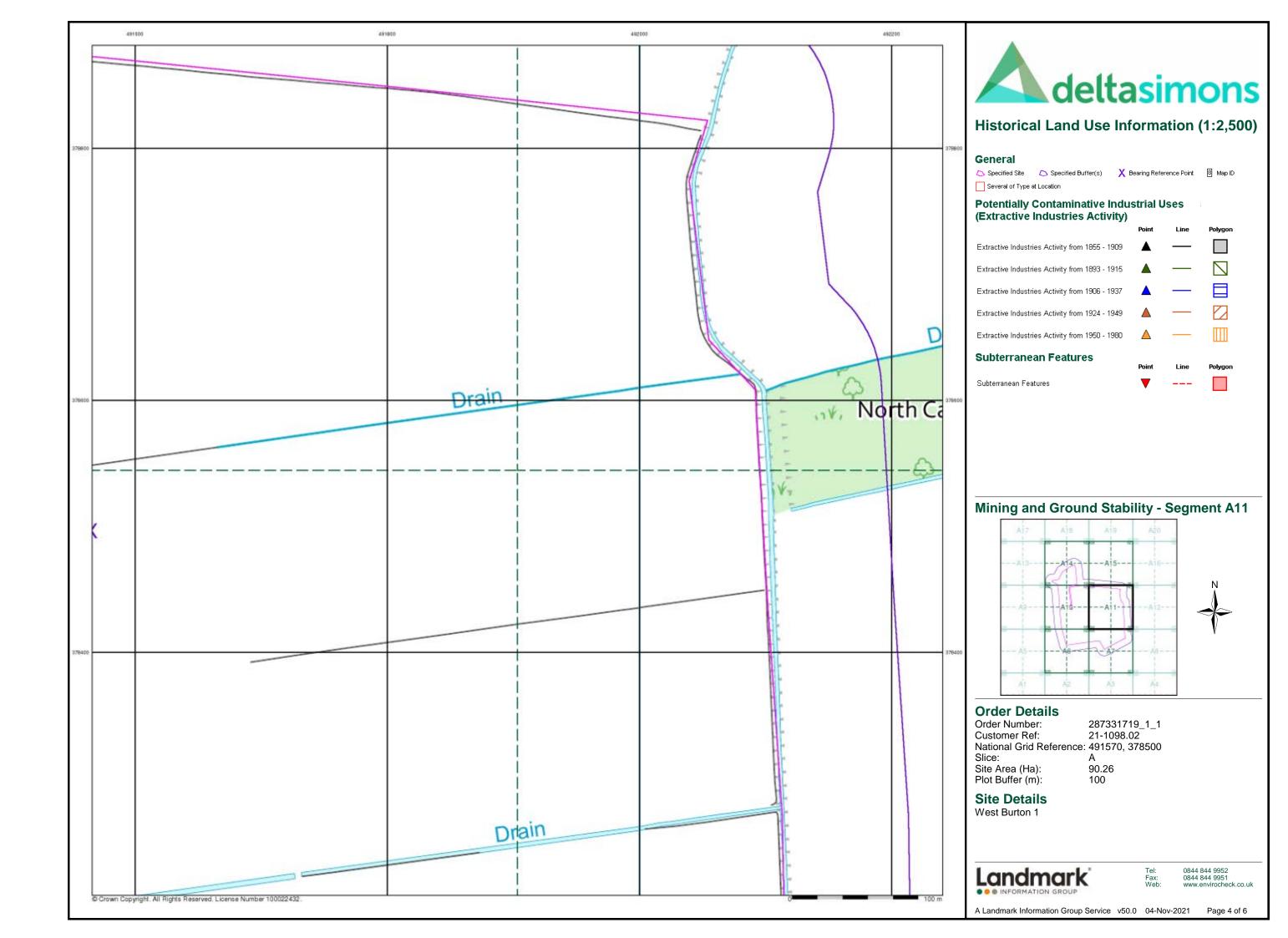
Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service  British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website:
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website:

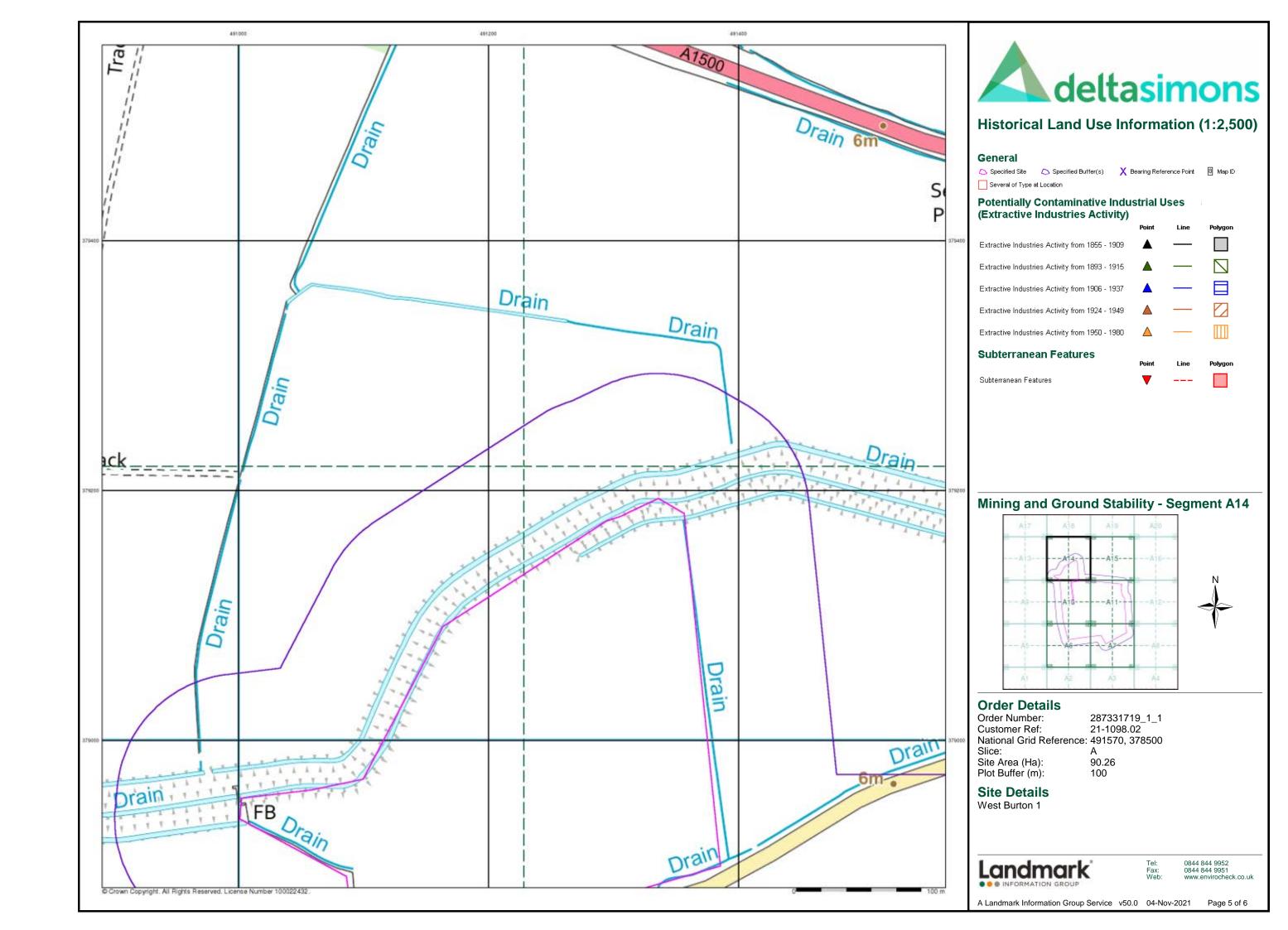
Order Number: 287331719\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 5 of 5

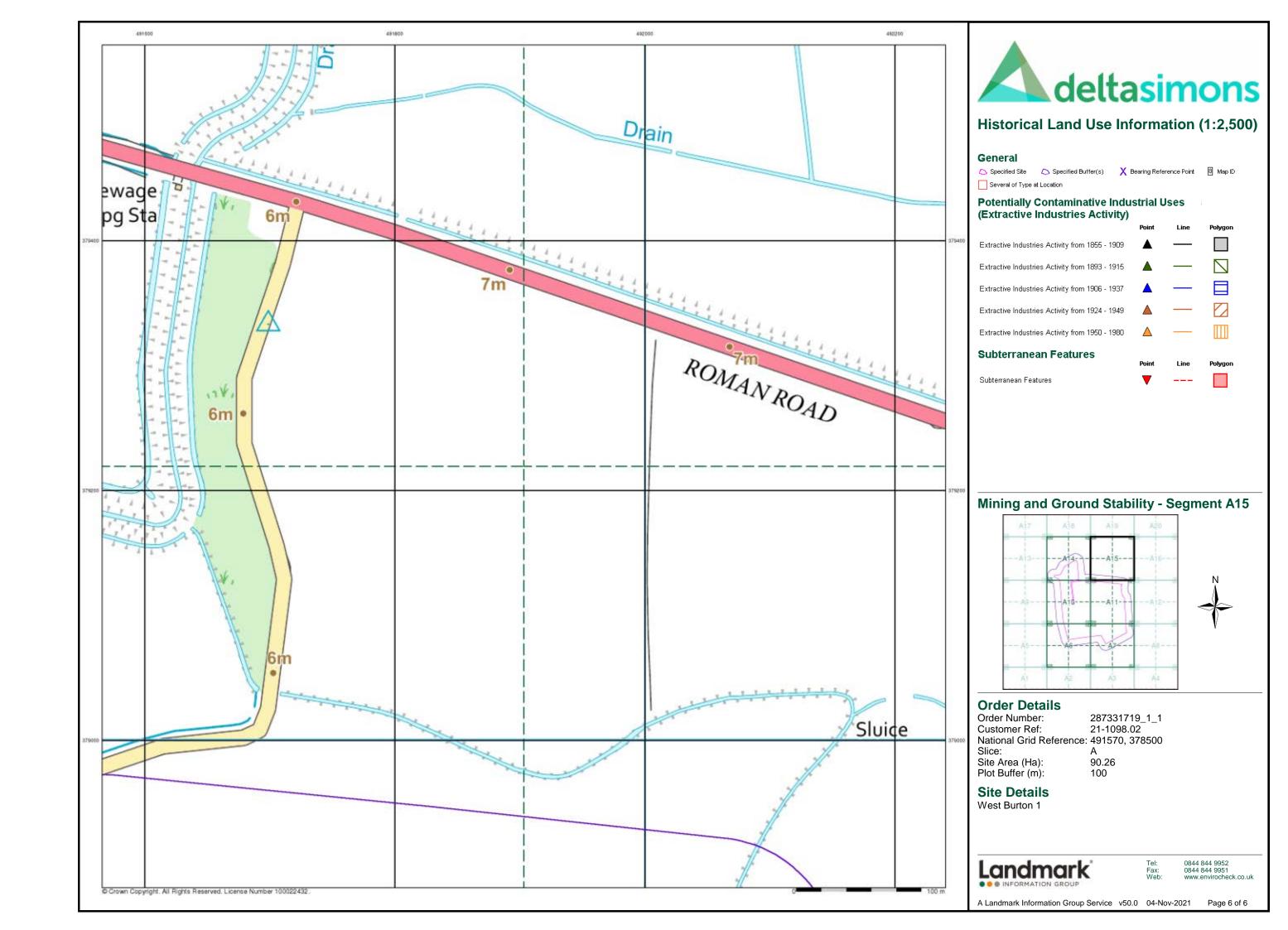


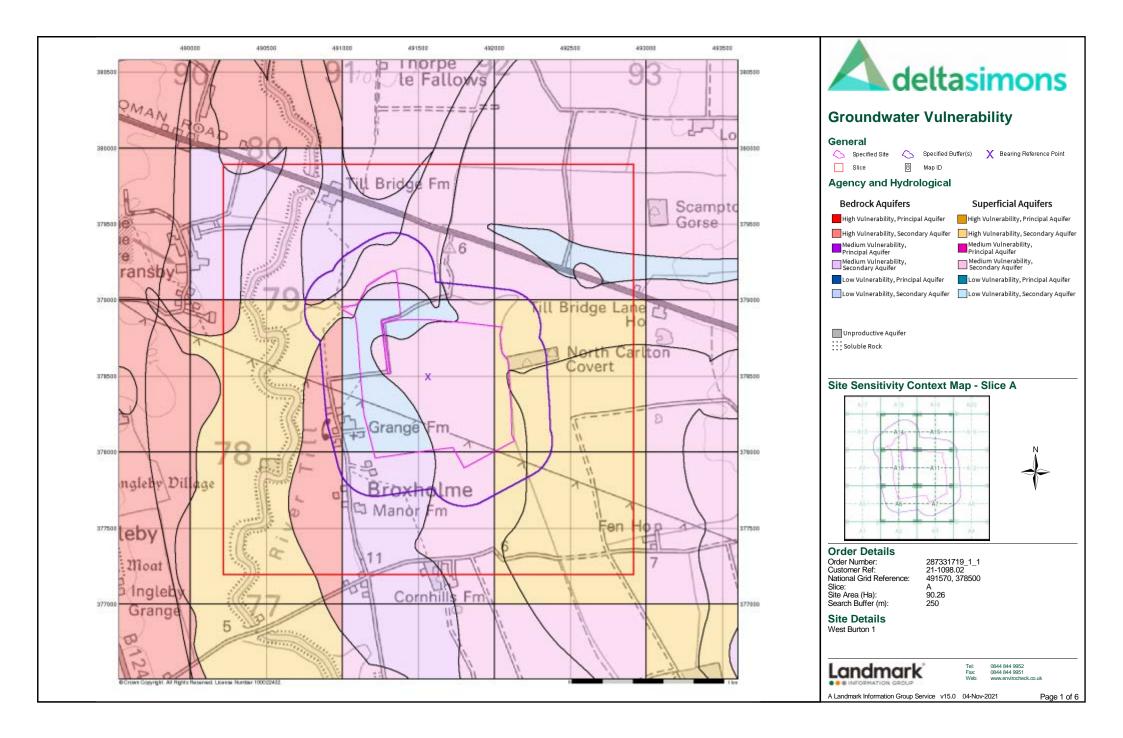


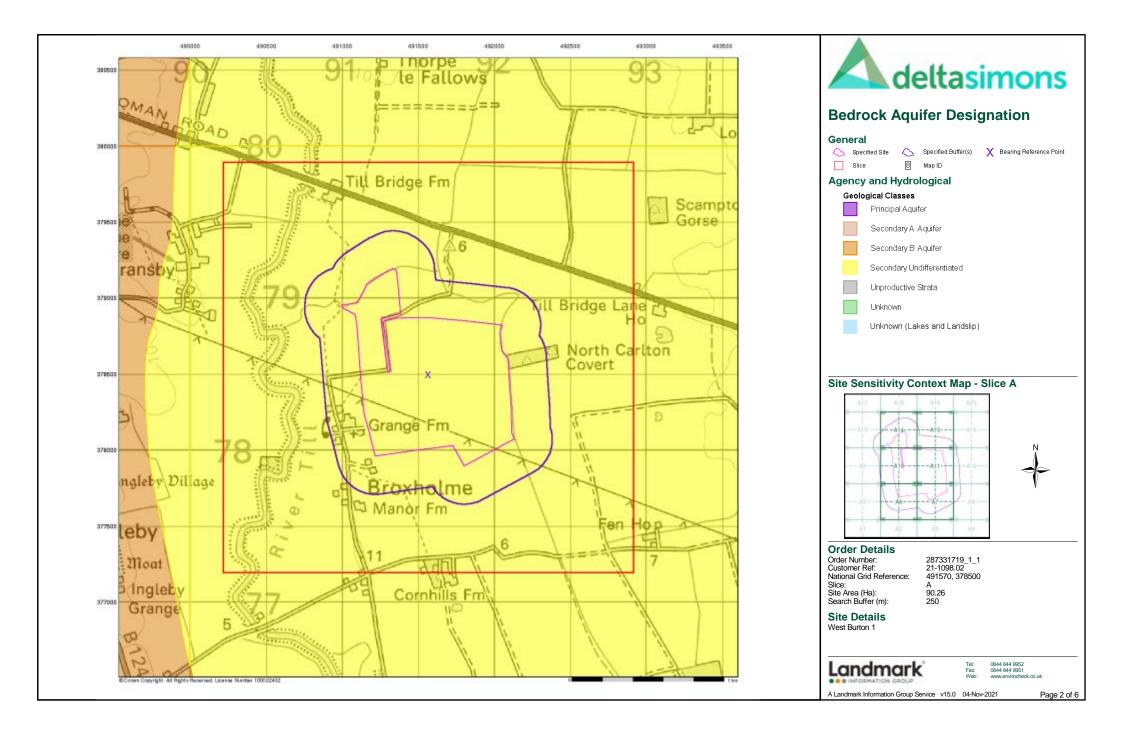


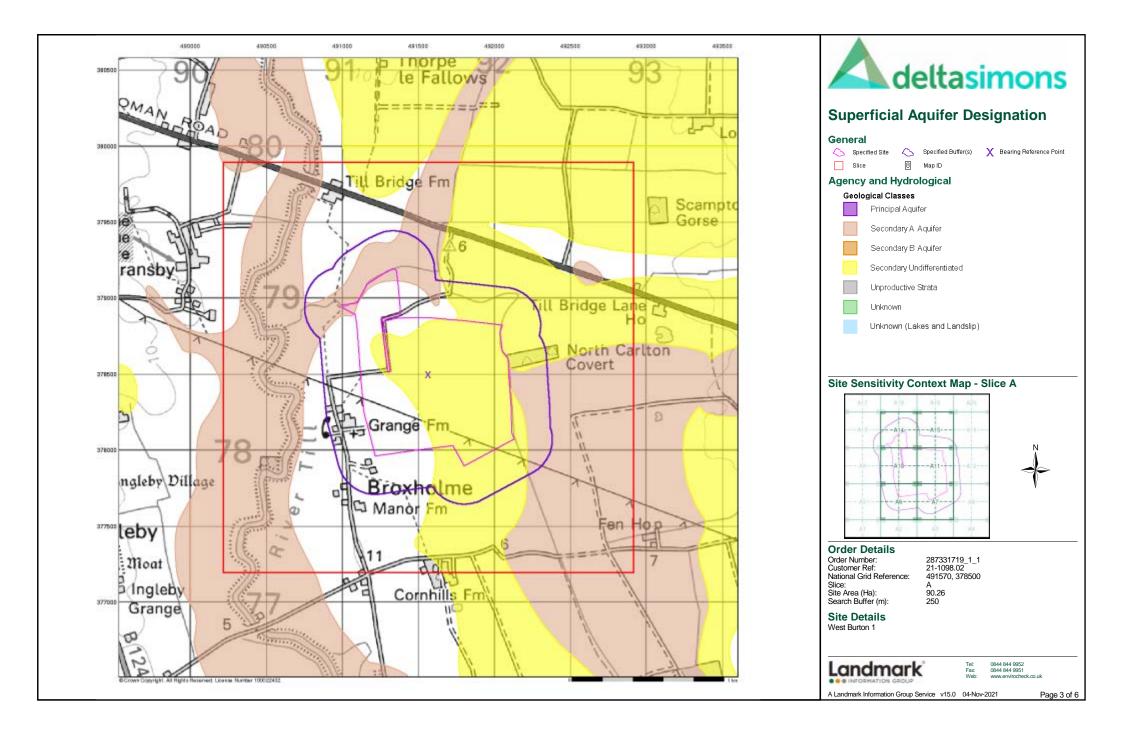


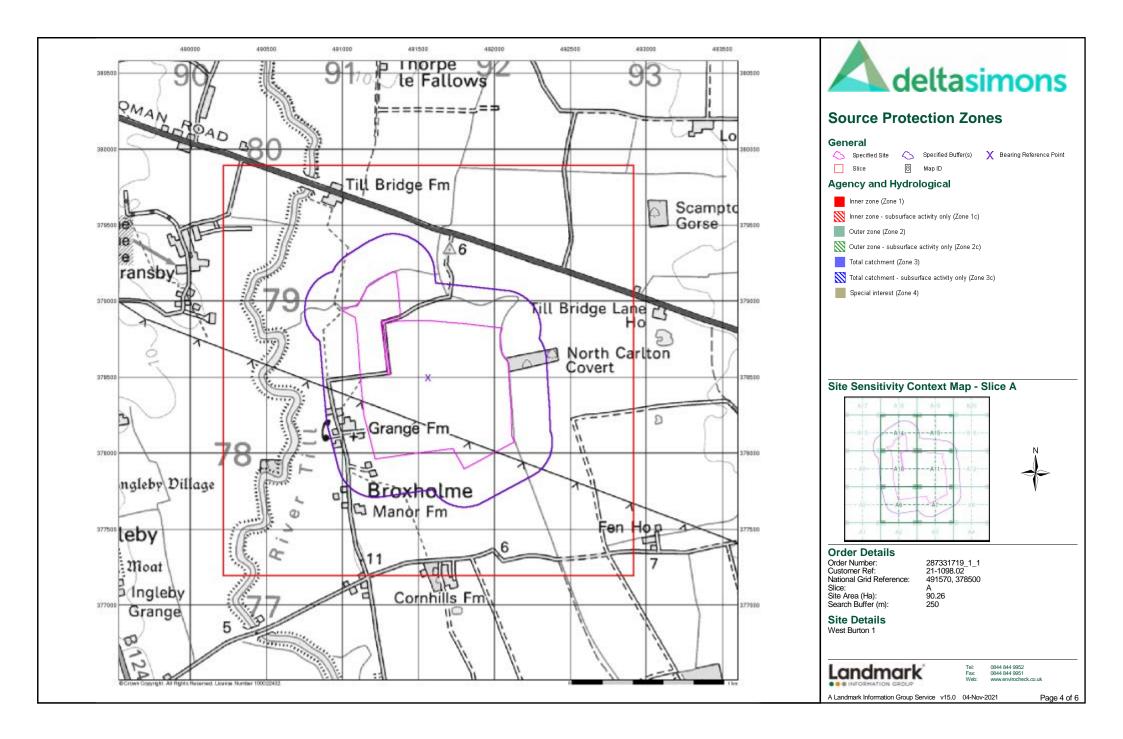


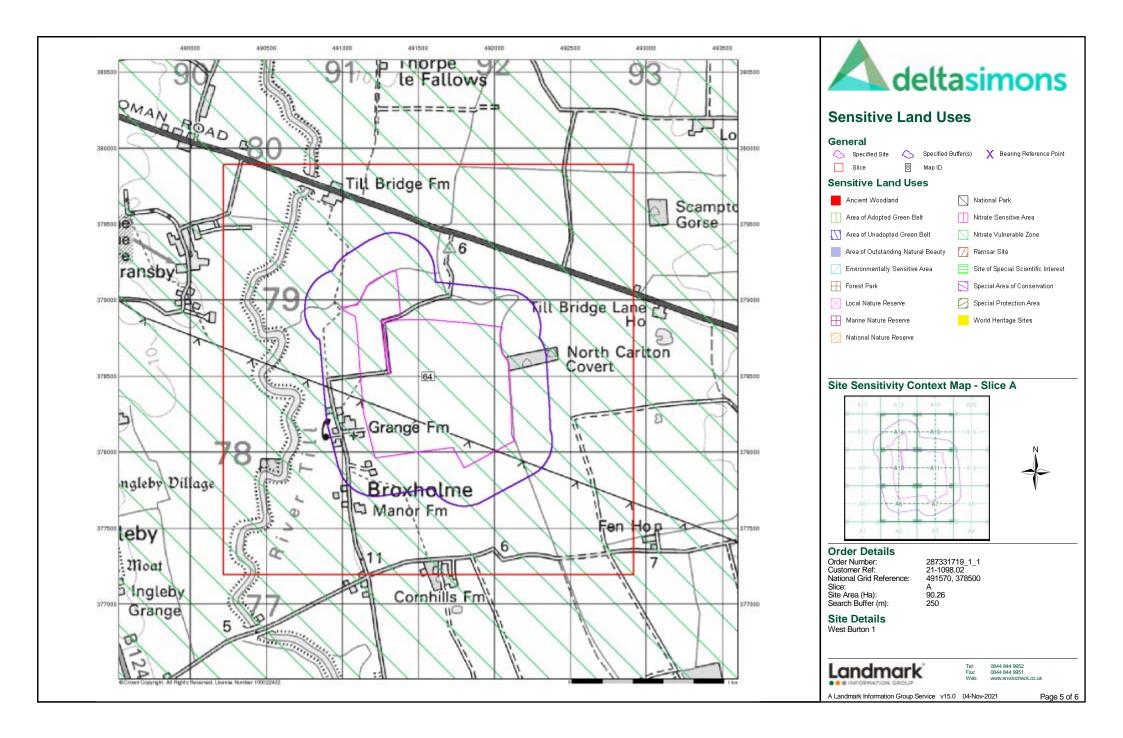


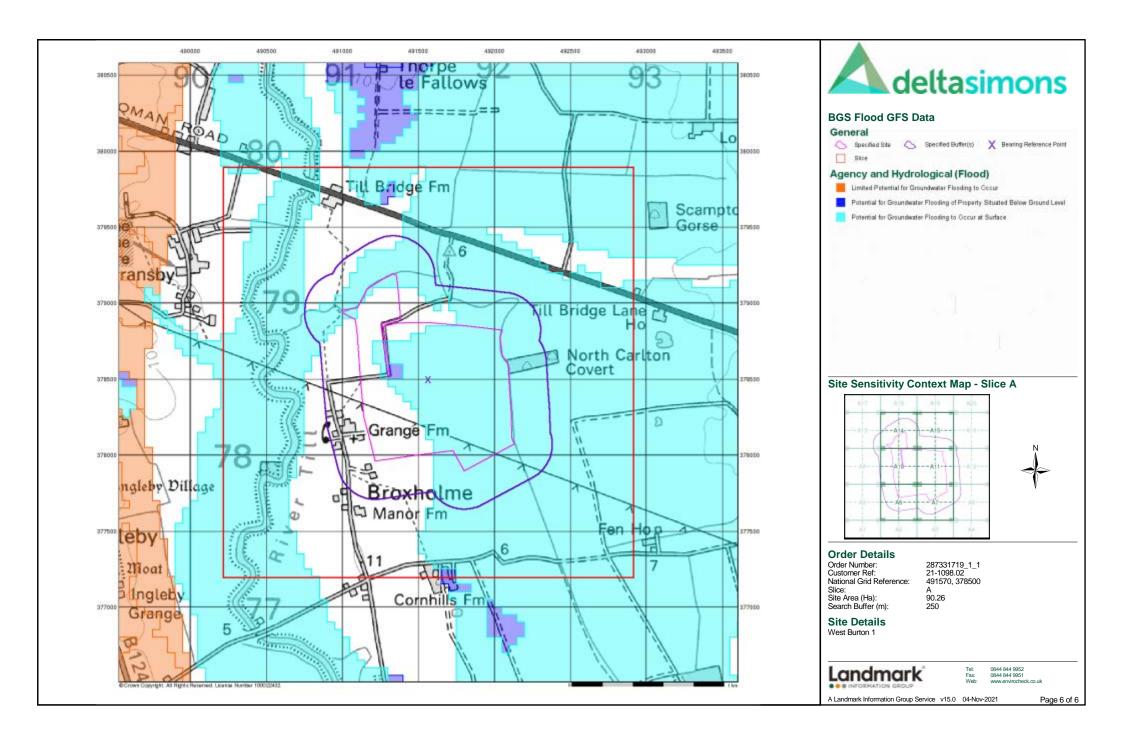














10.2 Preliminary Geo-Environmental Risk Assessment Report for West Burton 2



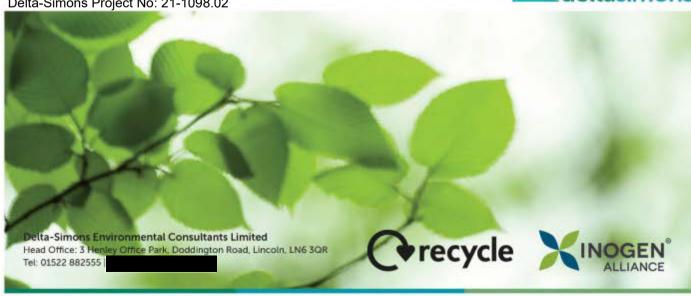
## Preliminary Geo-Environmental Risk Assessment **West Burton Solar Project – West Burton 2**

**West Burton Solar Project Limited** Presented to:

Issued: November 2021

Delta-Simons Project No: 21-1098.02





### Report Details

Client	West Burton Solar Project Limited	
Report Title	Preliminary Geo-Environmental Risk Assessment	
Site Address	Land at Ingleby, Lincoln, LN1 2PQ	
Report No.	21-1098.02_REP_West-Burton-Solar-WB2_PRA_21-11-29	
Delta-Simons Contact	Paul Huteson deltasimons.com)	

### **Quality Assurance**

Issue No.	Status	Issue Date	Comments	Author	Technical Review	Authorised
01	Final	29/11/2021	_			
	Fillal	29/11/2021	-	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.

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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.



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#### **FIGURES**

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 West Burton Solar Project Limited (the "Client") to prepare a Preliminary (Geo-Environmental) Risk Assessment for a parcel of land located at Ingleby, Lincoln, LN1 2PQ, hereafter referred to as 'West Burton 2' (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 (West Burton 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. 2873318441 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 488660, 377270.	Elevation	5 - 16 m AOD
		Area	330 Ha
Site Address and Location	The Site is centred around Ingleby, approximately centre. A Site Location Map is included as Figure 1.		west of Lincoln city
Site Description	The Site has been assessed through readily availa imagery and a Site Layout Plan is included as Figu representative undertook a Site walkover on 24 <sup>th</sup> N observed or reported on-Site are described below supporting photographs.	re 2. In addit ovember 202	ion, a Delta-Simons 21. Pertinent entries
	The Site consists a series of agricultural fields centred around Ingleby. The fields are separated by hedgerows, land drains and tree lines. Sturton Road is noted to dissect the central area of the Site in a north south orientation and Broxholme Lane crosses the Site in the southern area. In addition, The River Till is located adjacent to the eastern boundary.  A tarmacked access road was noted in the south western area which provided access to a number of fields. A land drain was noted adjacent to the access road.		d is noted to dissect nolme Lane crosses
	Overhead electrical power lines and associated py western and northern areas of the Site.	lons are note	ed to cut across the
	From readily available online data, the Site is indica 5 m AOD in the eastern area to 16 m AOD in the with the local topography.		
Description of Adjacent and Surrounding Land Uses	The Site is located within a predominantly rural area with the surrounding area dominated by agricultural land and a number of farms. Residential dwellings and a care home are present in the central area off Sturton Road. The villages of Bransby and Saxilby are present to the north and south, respectively.		

### 2.2 Physical Setting

Published Geology	From the BGS Geology of Britain Online Viewer, superficial deposits are mapped as absent across the majority of the Site. Alluvium (Clay, Silt, Sand and Gravel) is mapped across the most easterly area of the Site associated with the adjacent River Till. The bedrock is mapped as the Charmouth Mudstone Formation across the eastern half of the Site and the Scunthorpe Mudstone Formation (Mudstone and Limestone) across the west.
Site-Specific Geology	There are four BGS Boreholes (Ref. SK87NE26, SK97NW12, SK87NE28 and SK97NW9/A) located on-Site in the central and south eastern area. The boreholes recorded a general sequence of Topsoil underlain by light blueish grey clayey silt underlain by grey silty clay with thin bands of stone (mudstone) to a maximum drilled depth of 15.25 m bgl.
Aquifers and Groundwater Receptors	The EA classify the superficial Alluvium in the eastern area is classified as a Secondary A Aquifer, however, given its limited extent on-Site, is unlikely to form a viable potable groundwater source. The Charmouth Mudstone Formation and



	Scunthorpe Mudstone Formations are classified as a Secondary Undifferentiated and Secondary B Aquifers, respectively.
	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 and along the Site boundaries. In addition, the River Till is located adjacent to the eastern boundary.
	According to the Envirocheck® Report there are six licenced abstraction records from surface water within 500 m of the Site, the closest of which is located approximately 30 m north relating to abstraction for use in 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 (Indicate that there is a Scheduled Ancient Monument (SAM) in the central area of the Site listed as the 'Deserted Village of North Ingleby'

#### 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.

	l l
Historical	From the earliest map edition dated 1885, the Site is largely undeveloped and
Features On-Site	comprises a series of agricultural fields with associated land drains and ponds in the
	central and northern area. A number of buildings and a pond are noted in the central



	western area, mapped as Ingleby Wood Farm. A well is noted adjacent to the buildings by the 1947 map edition. The buildings and pond are no longer mapped by the 1975 map edition and are assumed demolished/infilled. Further potential infilling of ponds in the central area is noted by the 1979 mapping.  No further alterations are noted, and the Site remains consistent until present day.
Potentially Contaminative Historical Features Off-Site	Potential sources of contamination located within 250 m are limited to a number of farmyards located adjacent to the Site and a railway line located approximately 240 m west from the earliest map edition dated 1885 until present.

#### 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 does not list any entries for the Site.		
Potentially Contaminative	Pertinent entries included within the Landmark Envirocheck® Report, located within 250 m of the Site, include the following:		
Features Off-Site	▲ Seven Discharge Consents, the closest of which is located approximately 5 m north east relating to the discharge of final/treated sewage to a tributary of the River Till;		
	▲ A single Integrated Pollution Control located approximately 80 m north relating to intensive farming;		
	▲ Four Contemporary Trade Directory Entries, the closest of which is located in the central area (80 m east) relating to an active mechanical engineers; and		
	▲ Three Manufacturing and Production Points of Interest, the closest of which is located in the central area (10 m east) relating to a tank;		
	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	15/11/2021
Findings	There are a number of planning applications which relate to the erection of poultry houses in the central western area of the Site. The most recent application Ref. 143040 dated August 2021 relates to the erection of 1 No. poultry unit. The application was granted subject to conditions, however, none relate to contaminated land.  No additional potentially contaminative activities or other information pertinent to this		oplication Ref. ultry unit. The contaminated
assessment was identified from the historical p			erunent to tins



### 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	associated with small area present hydro		Asbestos, heavy metals, hydrocarbon compounds and hazardous ground gas	
S3	Potentially infilled ponds	Central area	1979 to present	Asbestos, heavy metals, hydrocarbon compounds and hazardous ground gas
S3	Potential for buried asbestos waste	Site-wide	Pre 2006 to present	Asbestos
S4	Unrecorded on and Unknown off-Site sources		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 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 central western area. 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 infilled ponds in central area and Made Ground).	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 the central area of the Site and potential Made Ground associated with development in the central western area.  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 considered 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 the central area of the Site and potential Made Ground associated with development in the central western area.		
	Given the very low sensitivity end use comprising a solar farm, the potential for hazardous ground gas to accumulate is considered low, as such, no further assessment is required.		
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 Plan (MMP) in accordance with the CL:AIRE Code of Practice to facilitate the reuse of these materials. The Contractor shall be responsible for the preparation of a MMP and obtaining appropriate sign off from a Qualified Person prior to the 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**

	T		
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 and superficial Alluvium across the eastern area of the Site only, subsequently underlain by bedrock of the Charmouth Mudstone Formation. Bedrock is anticipated directly below Topsoil in the western area of the Site comprising Scunthorpe Mudstone Formation.		
	Given the presence of a land drains, 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 in the central area and associated with historical development in the west. 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.

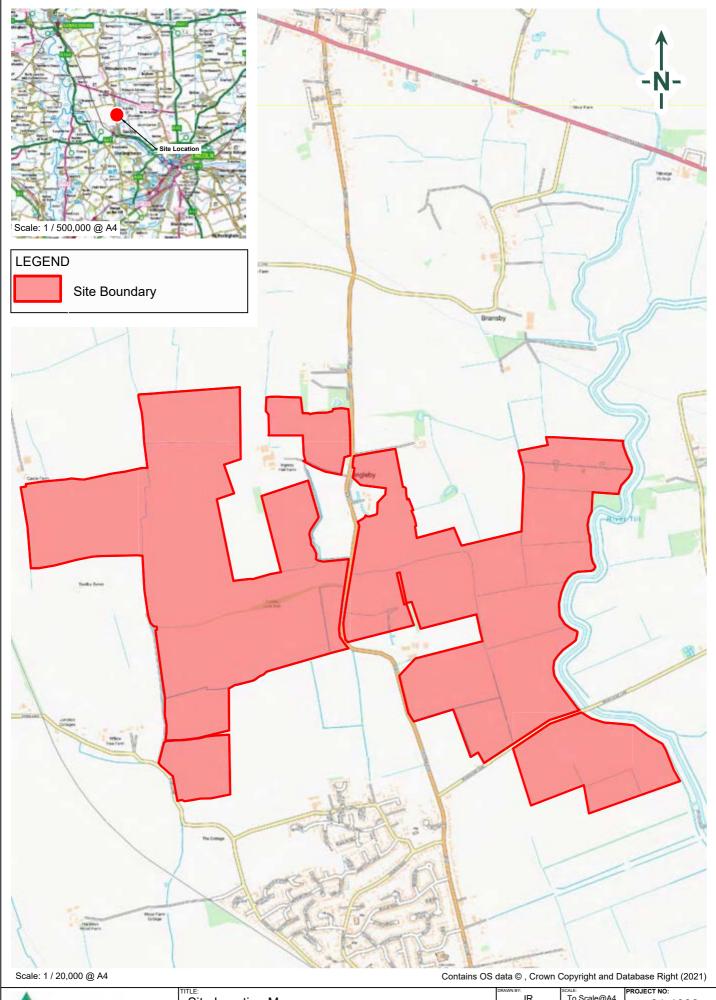


# **Figures**



# Figure 1 – Site Location Map





deltasimons

Site Location Map
West Burton Solar Project
West Burton 2

JR	To Scale@A4	21-1098
CHECKED BY: PH	REVISION:	FIGURE NO:
Bth Nove	ember 2021	1

# Figure 2 – Site Layout Plan





deltasimons

Site Layout Plan West Burton Solar Project West Burton 2

DRAWN BY:	SCALE:	F
JR	Not to Scale	
CHECKED BY:	REVISION:	ı
PH	1	F
DATE: 8th Nove	ember 2021	

PROJECT NO:
21-1098.02
FIGURE NO:
2

# Figure 3 – Relevant Feature Plan





PH02: View across western area



PH03: View across southern area



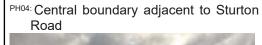


**Bing** maps

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 West Burton Solar Project West Burton 2





PH05: View across central area



PH06: View across southern area



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JR	NTS
CHECKED BY:	REVISION:
PH	1

21-1098.02

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
IVIIIN CANSONIIO	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	Minor
. <del>.</del>	High	Very High	High	Moderate	Moderate/Low
Probability	Likely	High	Moderate	Moderate/low	Low
Prob	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

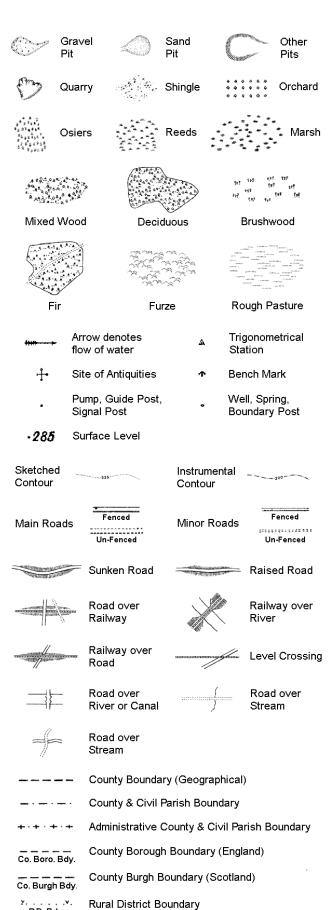


# Appendix C – Historical Maps



# **Historical Mapping Legends**

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



R.D. Bdy.

····· Civil Parish Boundary

## Ordnance Survey Plan 1:10,000

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	1101.	efuse or lag Heap	<b>((()</b>	Lake, Loch or Pond
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	ф ф Orc	hard Ωn_	Scrub	∖Yn/ Coppice
	പ്പ് Brad	cken willing	Heath '	、 , , , , Rough Grassland
	<u> </u>	sh \\\\//,	Reeds	그 <u>ょ</u> Saltings
	Build		ion of Flow of	Shingle
	<b>∑</b> Glas	sshouse		Sand
	Slop	ing Masonry	Pylon — — —  Pole — — • —	Electricity Transmission Line
	Cutting⊔ Road'''∏'''		······································	Standard Gauge Multiple Track  - Standard Gauge Single Track
	Under	Over Crossi		Siding, Tramway
	-+			→ Narrow Gauge
3		Geographical Cou	inty	
		Administrative Co or County of City		_
		Municipal Boroug Burgh or District (	Council	·
		Borough, Burgh o Shown only when no		
		Civil Parish Shown alternately wi	nen coincidence (	of boundaries occurs
	Ch Churc CH Club I	House	PO PC	Police Station Post Office Public Convenience
		ngine Station		Public House
		Bridge aus		Signal Box
	Fn Fount	ant -	Spr	Spring

GP

MP

Guide Post

Mile Post

Mile Stone

TCB

TCP

Telephone Call Box

Telephone Call Post

## 1:10,000 Raster Mapping

	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders	0 0	Boulders (scattered)
	Shingle	Mud	Mud
Sand	Sand		Sand Pit
********	Slopes		Top of cliff
	General detail		Underground detail
	- Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
-•-•	County boundary (England only)	• • • • • • •	Ci∨il, parish or community boundary
	District, Unitary, Metropolitan, London Borough boundary		Constituency boundary
۵ <sup>0</sup>	Area of wooded vegetation	م م م	Non-coniferous trees
۵ ۵	Non-coniferous trees (scattered)	**	Coniferous trees
* *	Coniferous trees (scattered)	ਨੁ	Positioned tree
ф ф ф ф	Orchard	* *	Coppice or Osiers
ωTι, ωTι,	Rough Grassland	www.	Heath
On_ On_	Scrub	7 <u>₩</u> ۲	Marsh, Salt Marsh or Reeds
6	Water feature	<b>←</b>	Flow arrows
MHW(S)	Mean high water (springs)	MLW(S)	Mean low water (springs)
	Telephone line (where shown)	<b></b>	Electricity transmission line (with poles)
← BM 123.45 m	Bench mark (where shown)	Δ	Triangulation station
	Point feature (e.g. Guide Post or Mile Stone)	$\boxtimes$	Pylon, flare stac or lighting tower
•‡•	Site of (antiquity)		Glasshouse
	General Building		Important

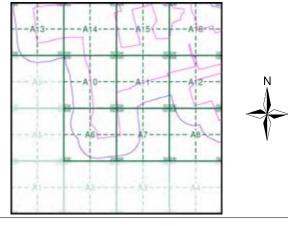
Building



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

Mapping Type	Scale	Date	Pg
Lincolnshire	1:10,560	1885	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	1938 - 1948	8
Lincolnshire	1:10,560	1950	9
Ordnance Survey Plan	1:10,000	1956	10
Ordnance Survey Plan	1:10,000	1979	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 A**



#### **Order Details**

Order Number: 287331844\_1\_1 Customer Ref: 21-1098.02 National Grid Reference: 488660, 377270

Slice:

Site Area (Ha): 331.04 Search Buffer (m):

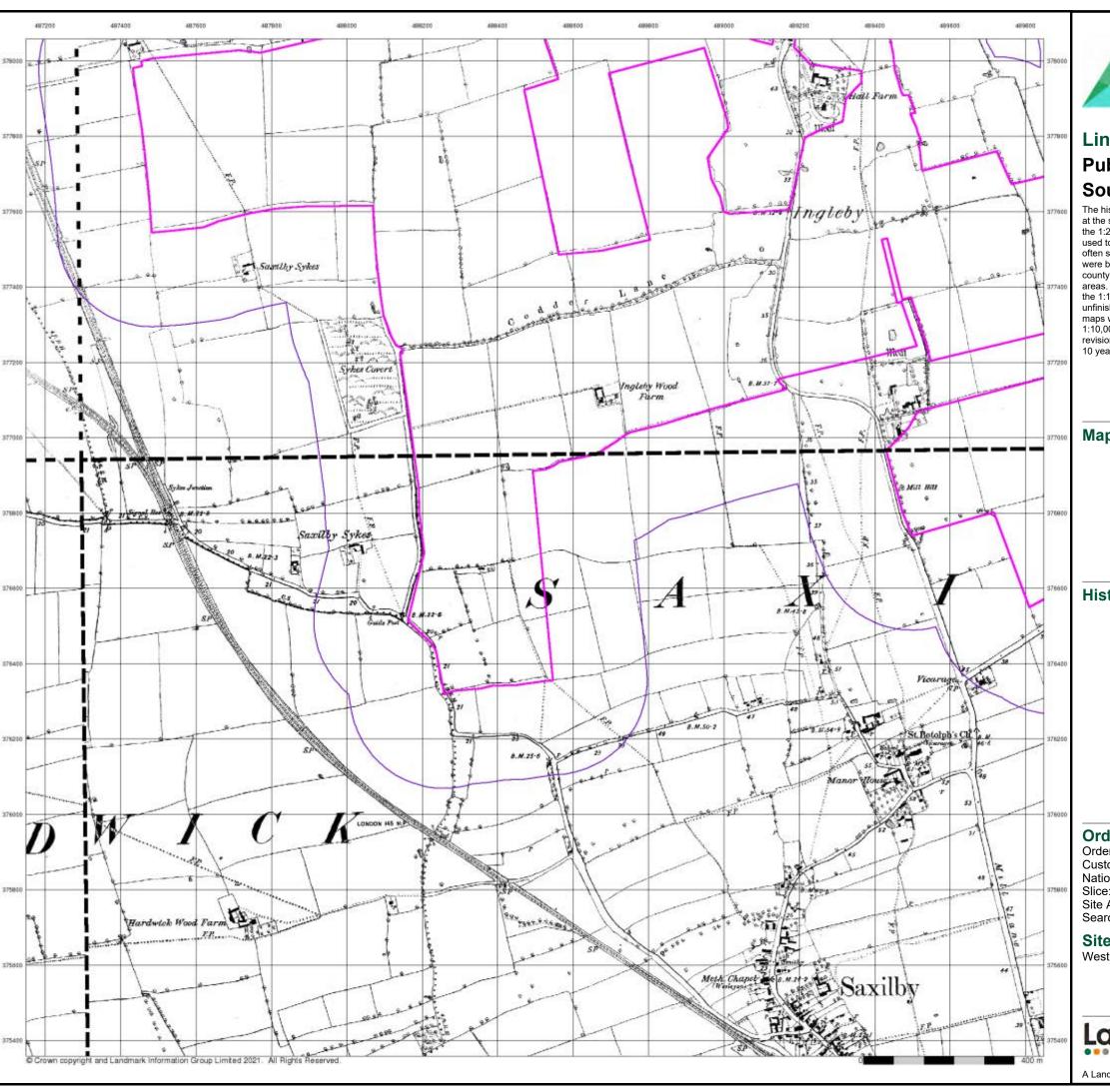
**Site Details** 

West Burton 2



0844 844 9951 www.envirocheck.co.uk

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





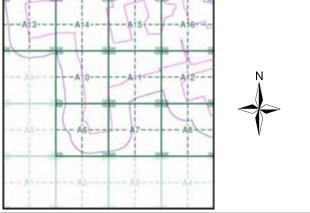
## Lincolnshire **Published 1885** Source map scale - 1:10,560

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)

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	060NW 1885		060NE 1885 1:10,560	1
I	1:10,560			' l
1	060SW		060SE	÷
1	1885 1:10,560		1885 1:10,560	ï
- 1		ļ		

## **Historical Map - Slice A**



#### **Order Details**

287331844\_1\_1 21-1098.02 Order Number: **Customer Ref:** National Grid Reference: 488660, 377270 Slice:

Site Area (Ha): Search Buffer (m): 331.04

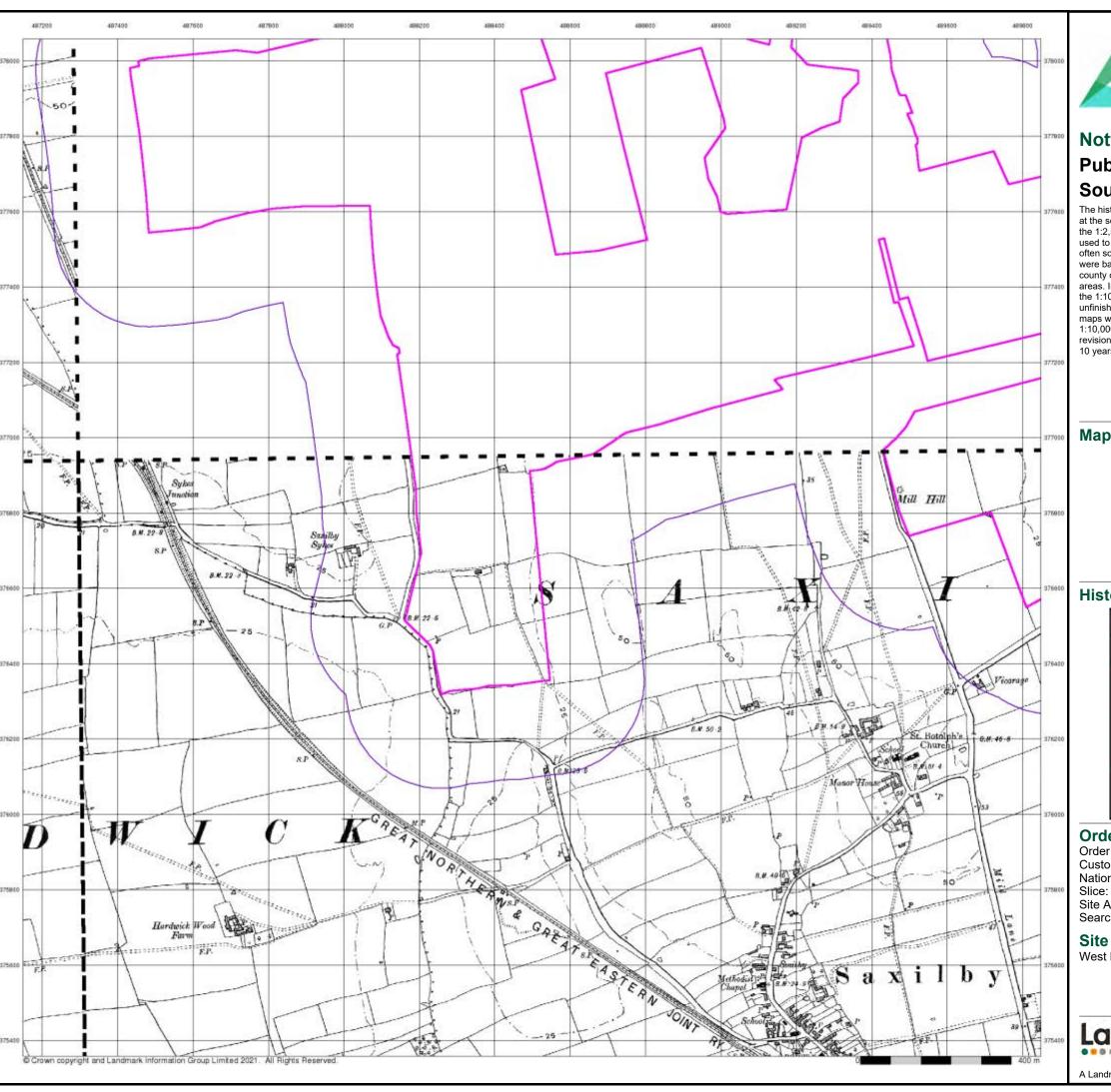
## **Site Details**

West Burton 2



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

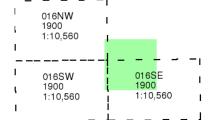




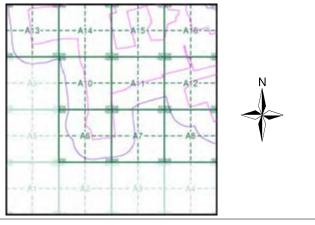
# Nottinghamshire Published 1900 Source map scale - 1:10,560

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 A**



#### **Order Details**

Order Number: 287331844\_1\_1
Customer Ref: 21-1098.02
National Grid Reference: 488660, 377270

Site Area (Ha): 331.04 Search Buffer (m): 250

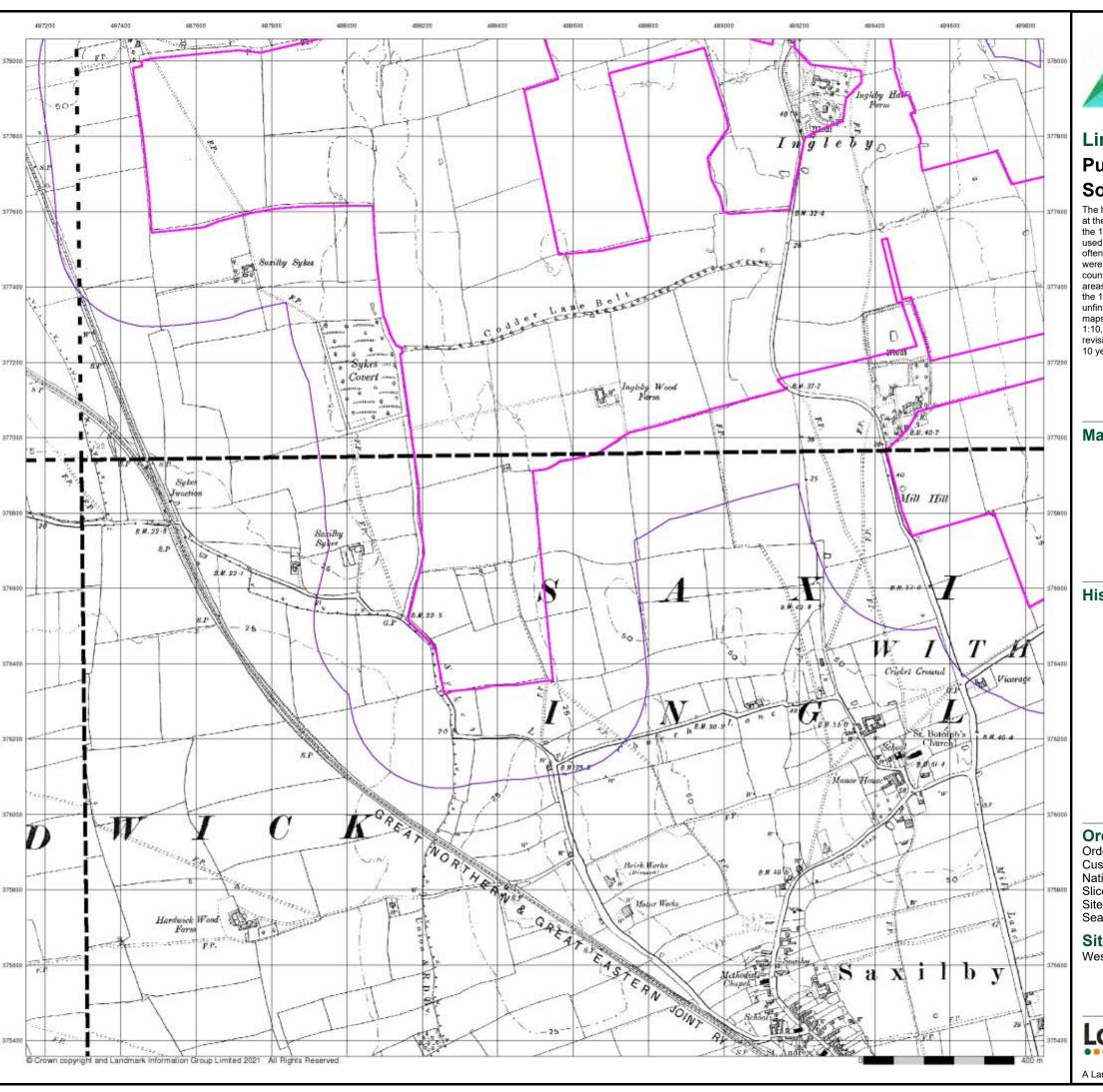
Site Details

Site Details
West Burton 2



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

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





## Lincolnshire

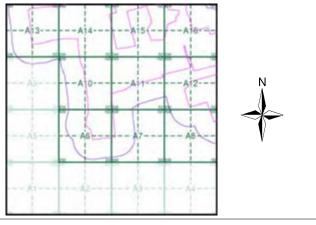
## Published 1906 - 1907 Source map scale - 1:10,560

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)

 	060NW 1906 1:10,560	060N 1907 1:10,	_	      -
1 1	060S <b>W</b> 1906 1:10,560	060S 1906 1:10,		 

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



#### **Order Details**

287331844\_1\_1 21-1098.02 Order Number: **Customer Ref:** National Grid Reference: 488660, 377270 Slice:

Site Area (Ha): Search Buffer (m): 331.04

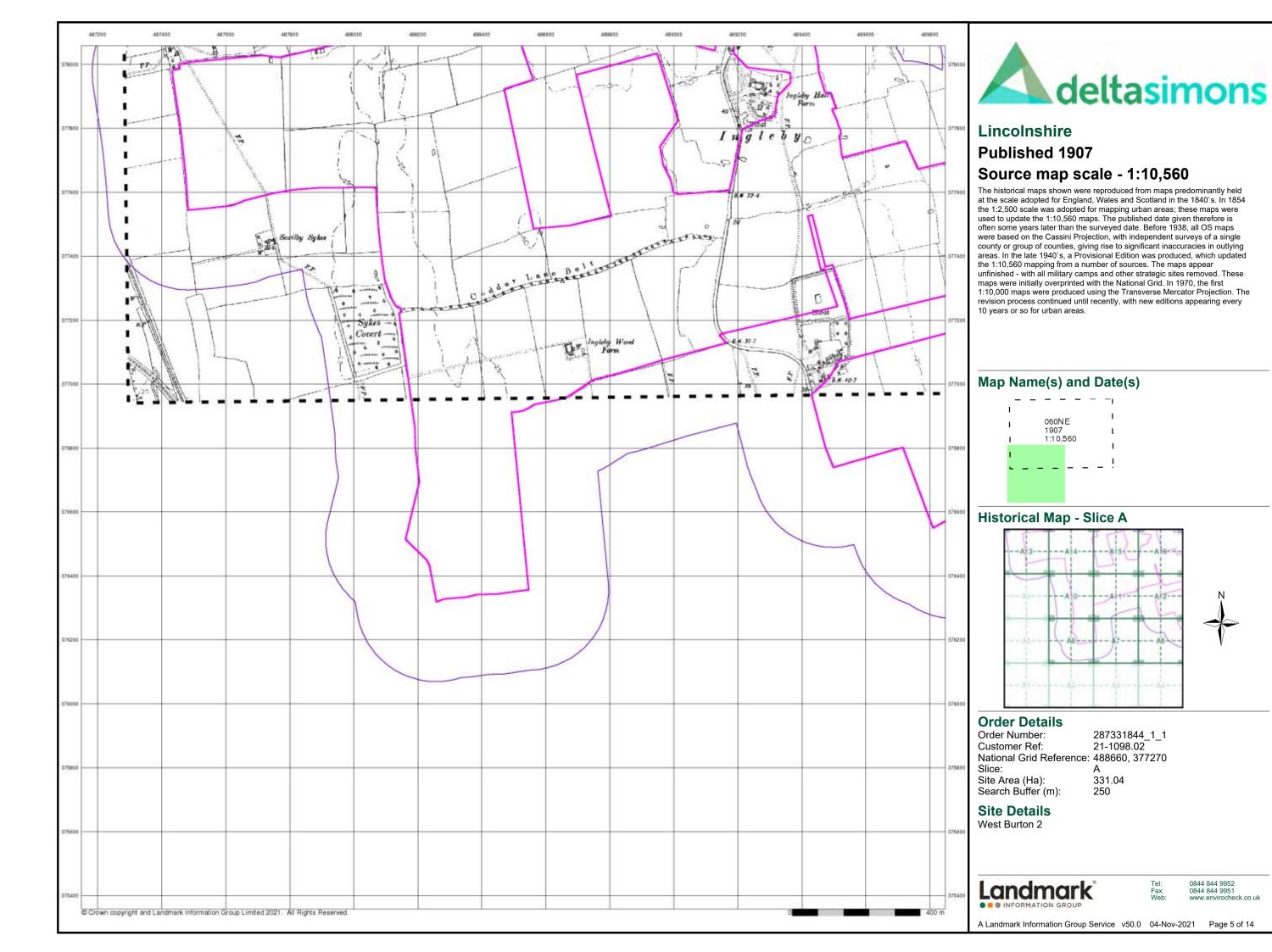
## **Site Details**

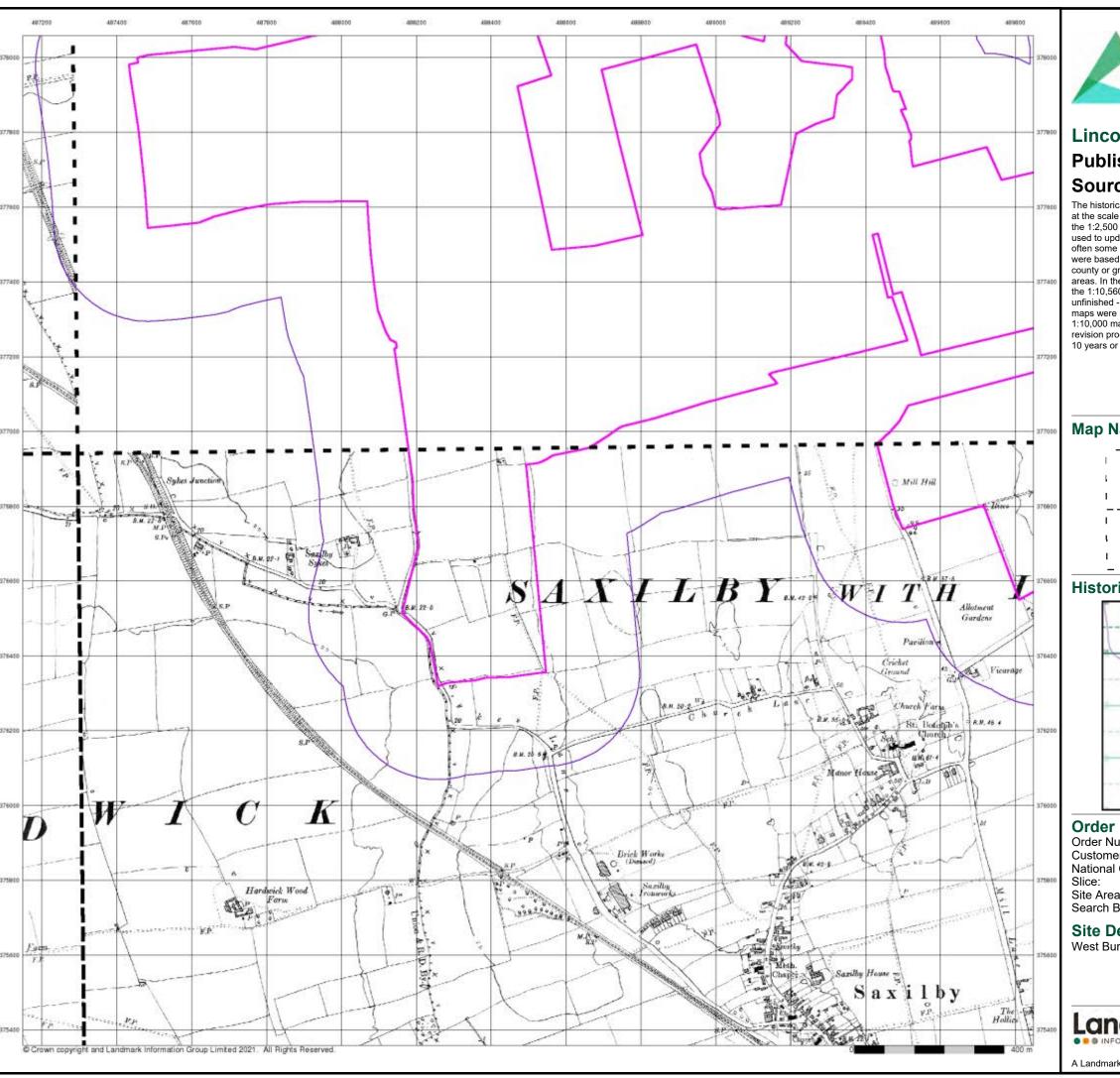
West Burton 2



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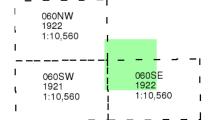




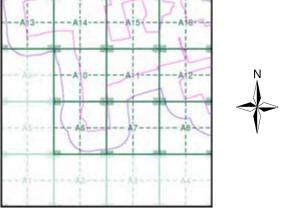
## Lincolnshire **Published 1921 - 1922** Source map scale - 1:10,560

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 A**



#### **Order Details**

287331844\_1\_1 21-1098.02 Order Number: **Customer Ref:** National Grid Reference: 488660, 377270

Site Area (Ha): Search Buffer (m): 331.04

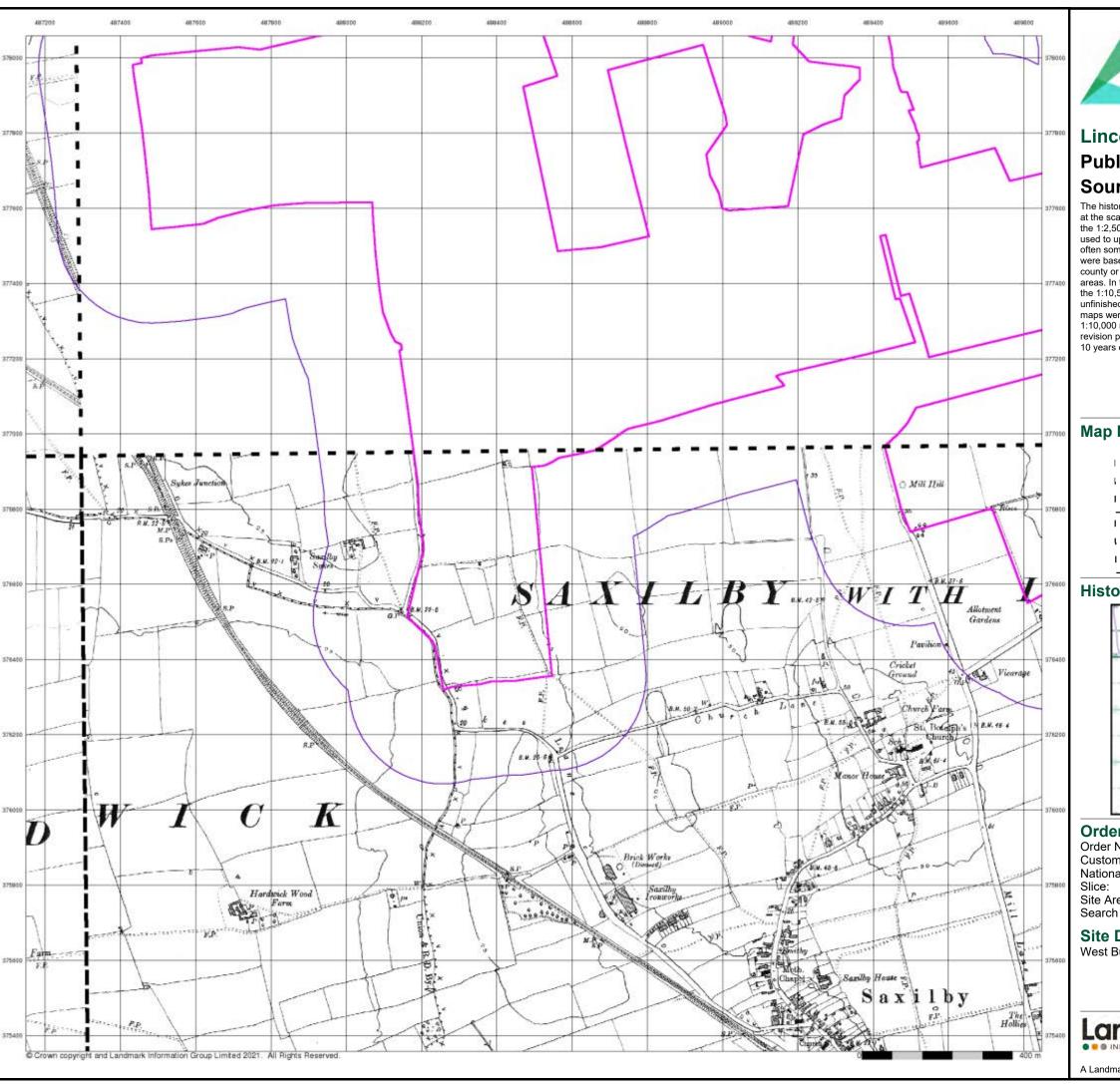
## **Site Details**

West Burton 2



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

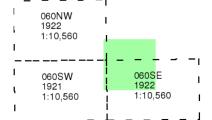




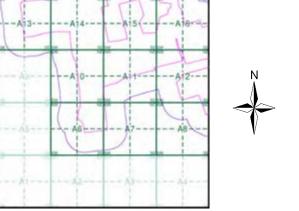
## Lincolnshire **Published 1921 - 1922** Source map scale - 1:10,560

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 A**



#### **Order Details**

287331844\_1\_1 21-1098.02 Order Number: **Customer Ref:** National Grid Reference: 488660, 377270

Site Area (Ha): Search Buffer (m): 331.04

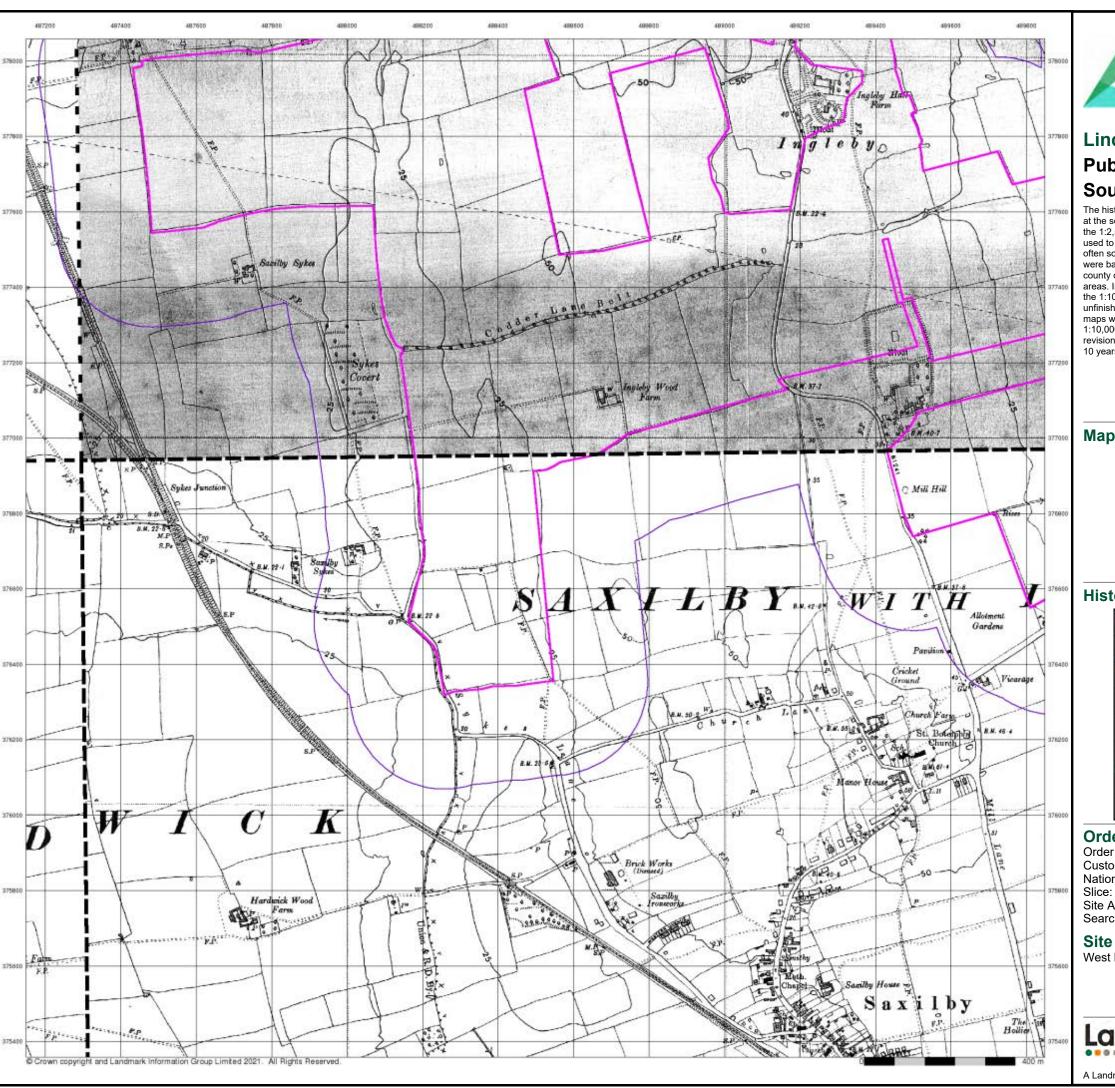
## **Site Details**

West Burton 2



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#### Lincolnshire

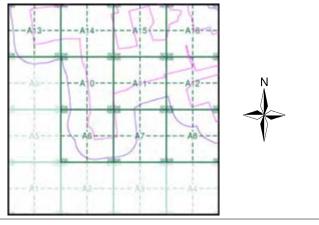
## **Published 1938 - 1948** Source map scale - 1:10,560

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)

 	060NW 1947 1:10,560	060N 1947 1:10,	_	
 	060S <b>W</b> 1948 1:10,560	060S 1938 1:10,	'	

## **Historical Map - Slice A**



#### **Order Details**

287331844\_1\_1 21-1098.02 Order Number: **Customer Ref:** National Grid Reference: 488660, 377270

Site Area (Ha): Search Buffer (m): 331.04

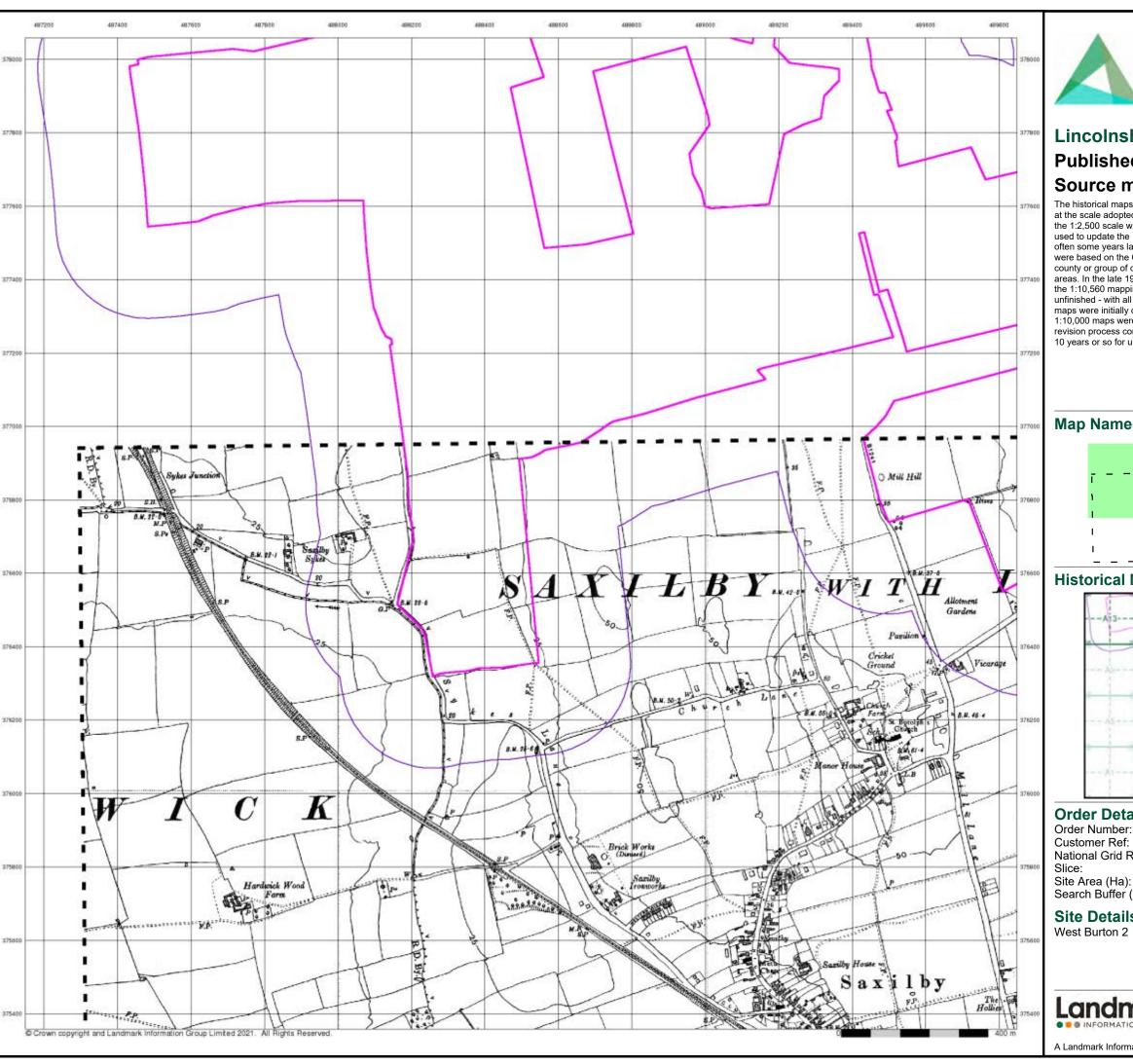
## **Site Details**

West Burton 2



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

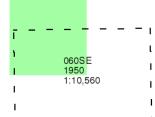




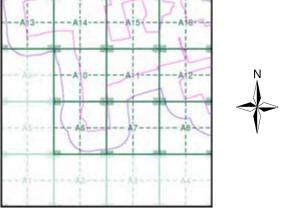
## Lincolnshire Published 1950 Source map scale - 1:10,560

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**

287331844\_1\_1 21-1098.02 Order Number: Customer Ref: National Grid Reference: 488660, 377270

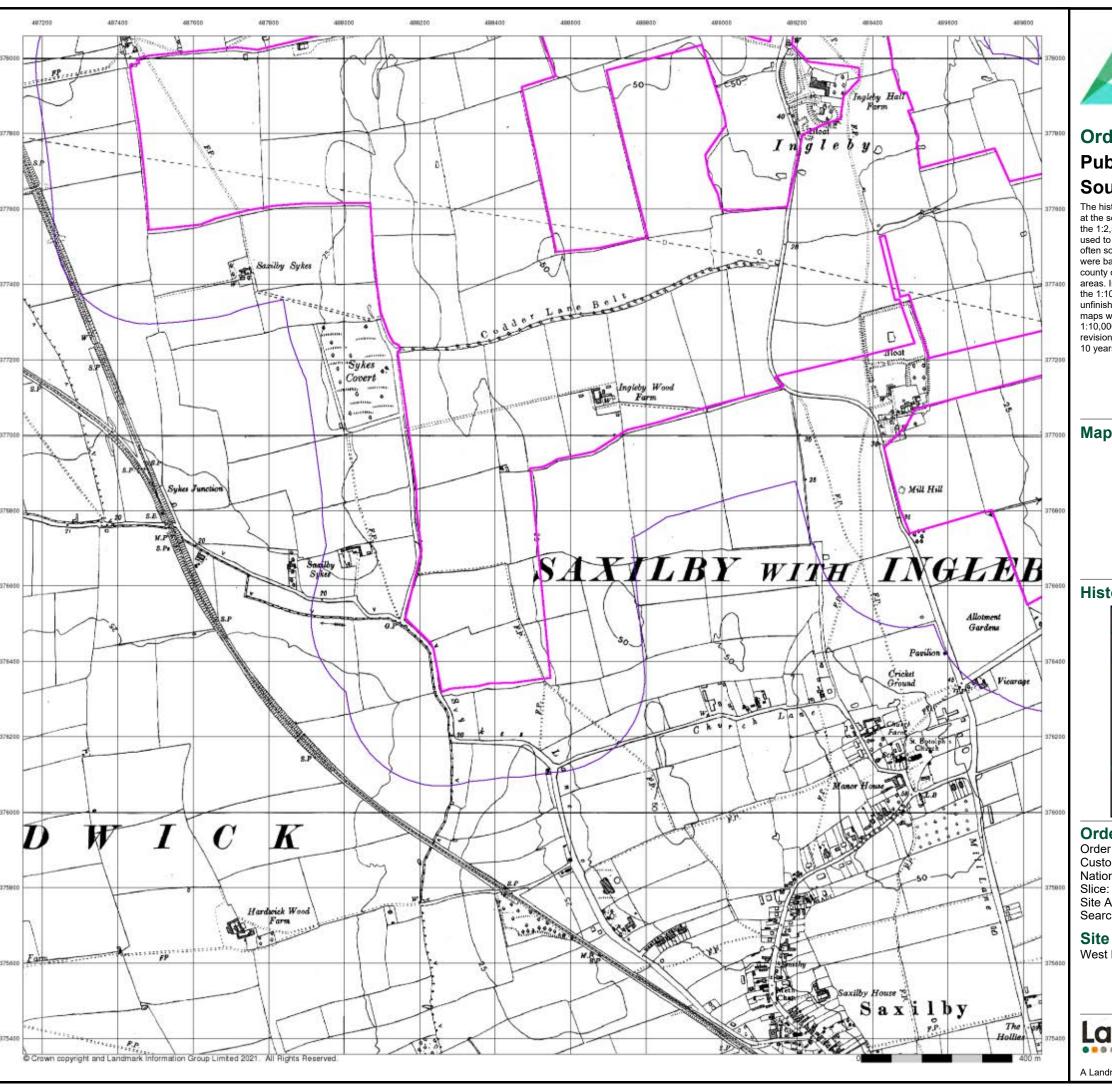
Site Area (Ha): Search Buffer (m): 331.04

**Site Details** 



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





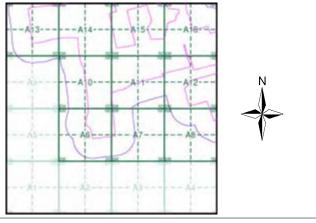
## **Ordnance Survey Plan** Published 1956 Source map scale - 1:10,000

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 A**



#### **Order Details**

Order Number: 287331844\_1\_1 **Customer Ref:** 21-1098.02 National Grid Reference: 488660, 377270

Site Area (Ha): Search Buffer (m): 331.04

**Site Details** West Burton 2

Landmark

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

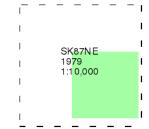




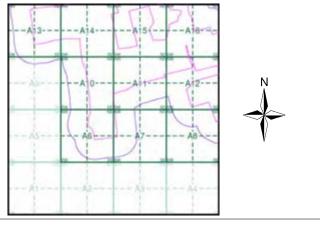
## **Ordnance Survey Plan** Published 1979 Source map scale - 1:10,000

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 A**



#### **Order Details**

Order Number: 287331844\_1\_1 21-1098.02 **Customer Ref:** National Grid Reference: 488660, 377270

Site Area (Ha): Search Buffer (m): 331.04

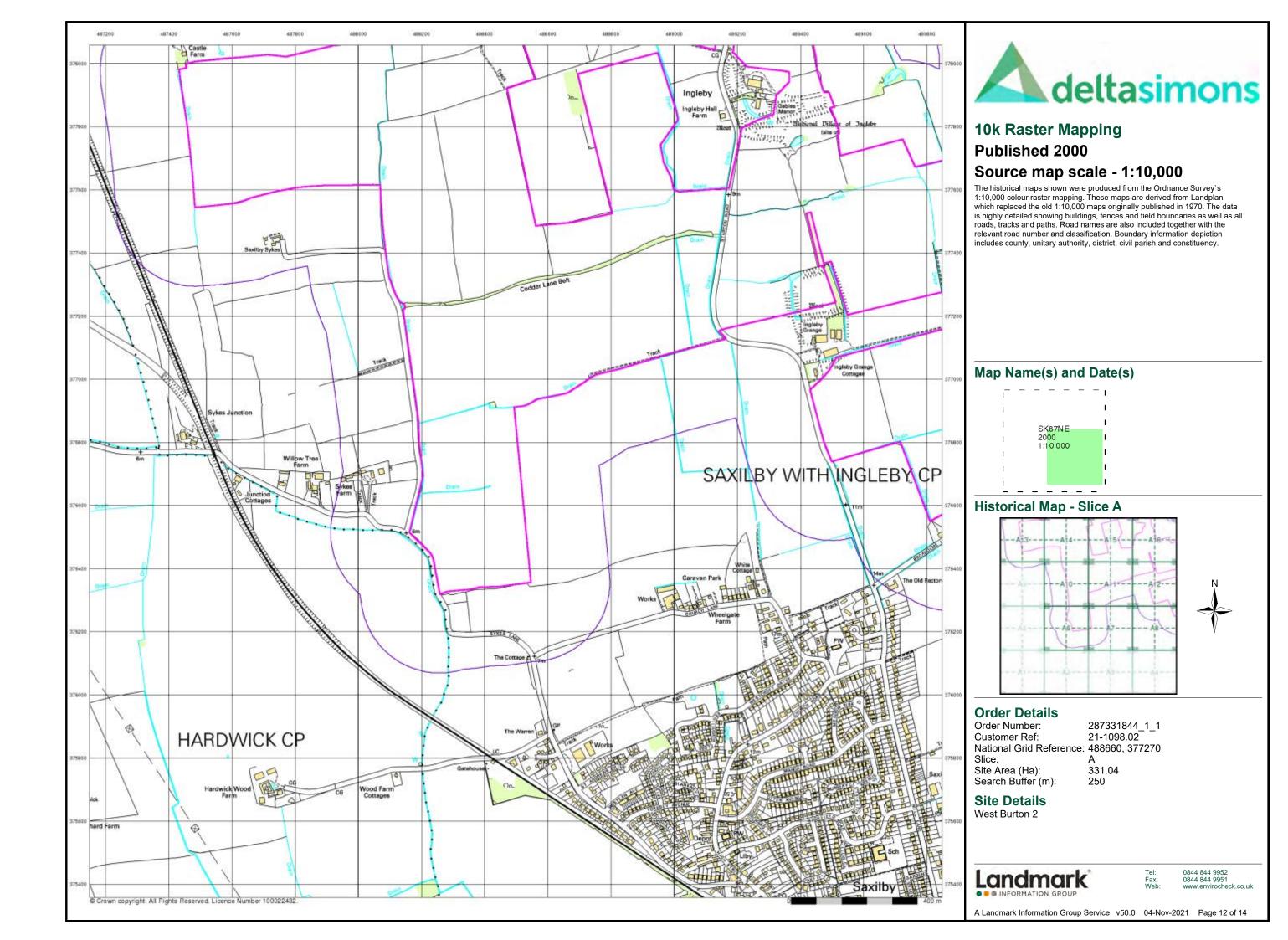
## **Site Details**

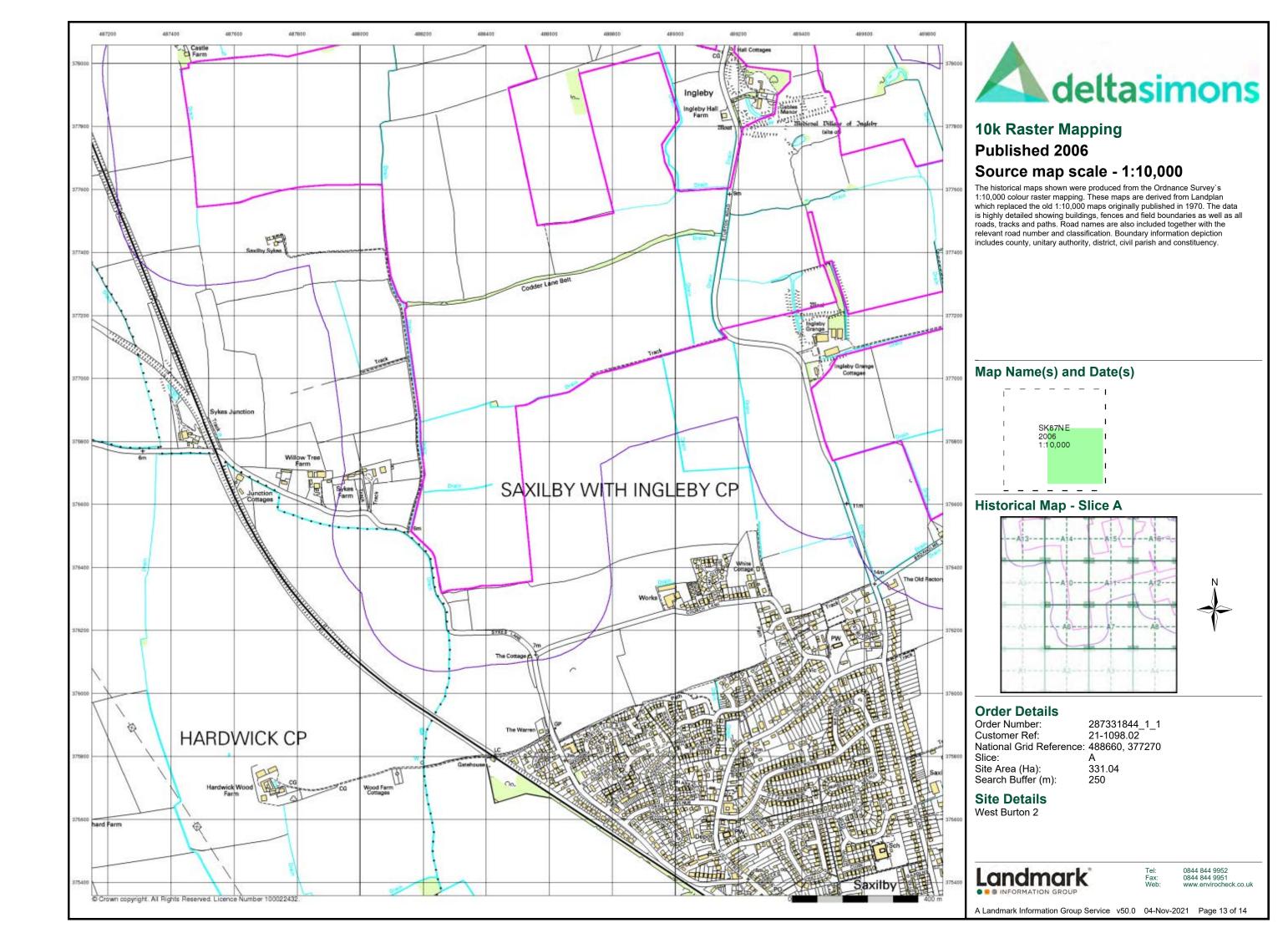
West Burton 2

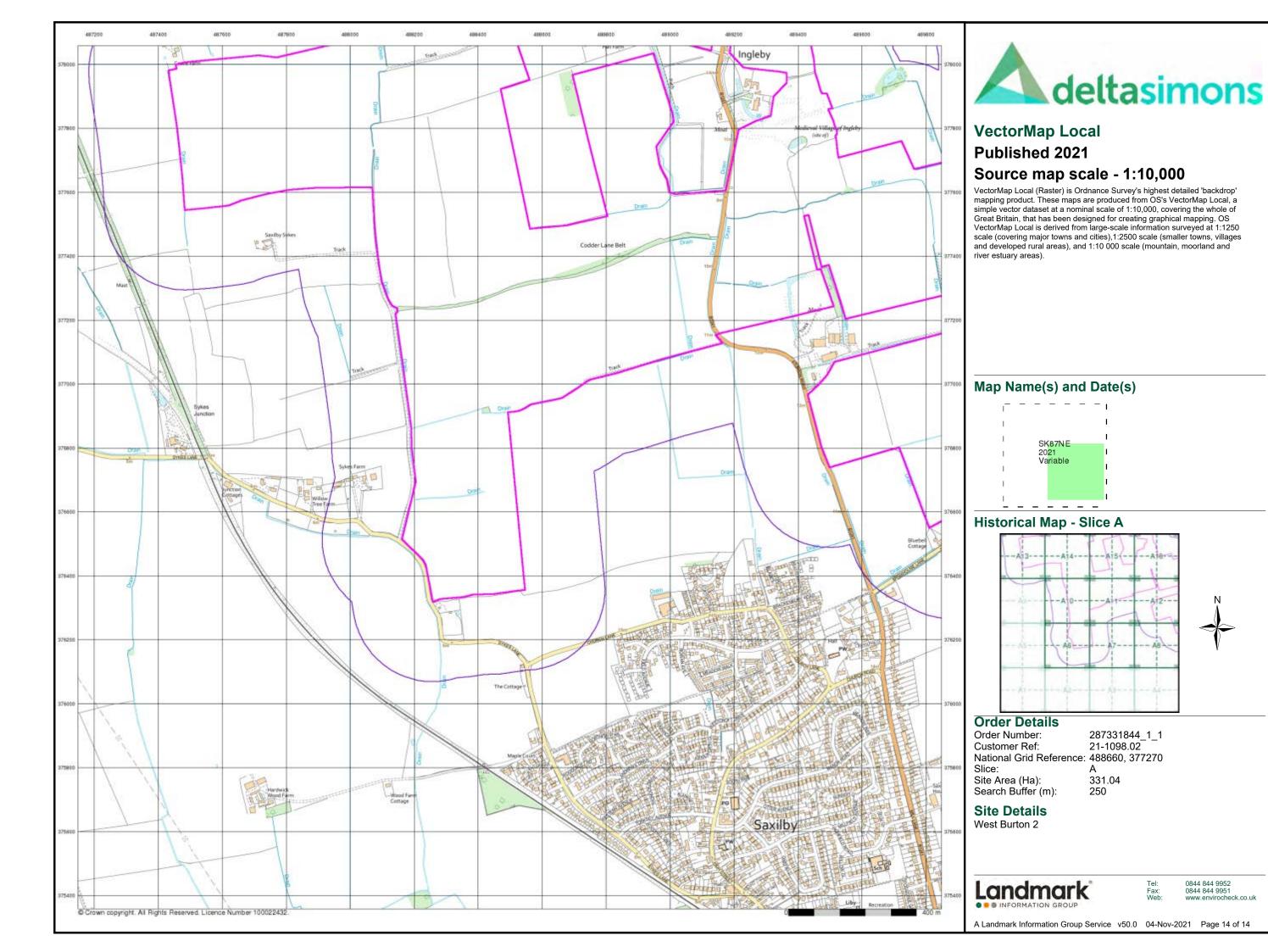


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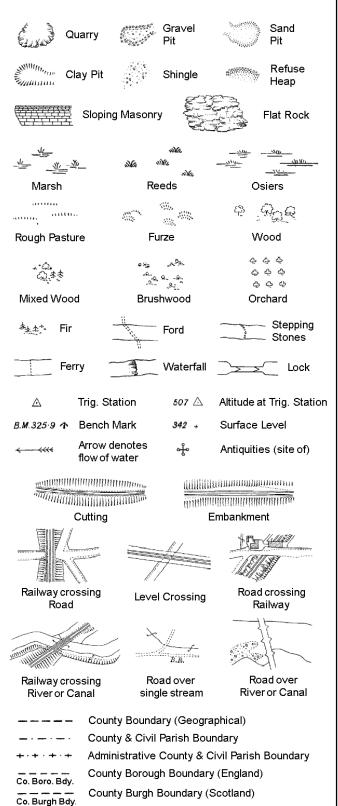






# **Historical Mapping Legends**

## **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

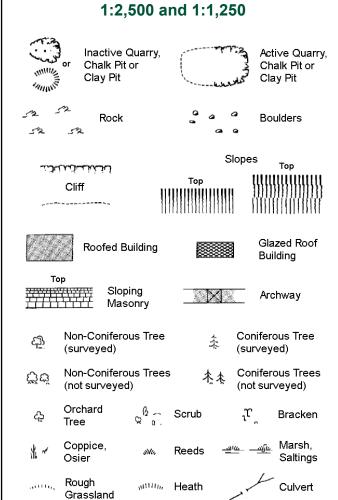
Trough Well

S.P

Sl.

Tr:

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



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

			Sle	opes .	Тор
	لخنات		Тор	1111111	HIMMIN
	Cliff	1111	HIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	_ ))))))	111111111111
,					19111111111
523	Rock		52	Rock (so	cattered)
$\Box_{a}$	Boulders		<i>△</i>	Boulders	s (scattered)
	Positioned	Boulder		Scree	
ফ্র	Non-Conif (surveyed	erous Tree )	\$	Conifero (surveye	
ζţά	Non-Conif (not surve	erous Trees yed)	* **	Conifero (not surv	ous Trees /eyed)
දා	Orchard Tree	© a.	Scrub	'n,	Bracken
* ~	Coppice, Osier	alVer,	Reeds 🛥	1 <u>(c — 20)</u> (c	Marsh, Saltings
astte,	Rough Grassland	<sub>и</sub> ии <sub>и</sub> ,	Heath	1	Culvert
<b>››→</b>	Direction of water flo	Δ ow	Triangulation Station	, of	Antiquity (site of)
E_TL	Electric	ity Transmis	ssion Line	$\boxtimes$	Electricity Pylon
\ K BM	231.60m E	Bench Mark	7	Building Building	
	Roofe	ed Building		81	azed Roof iilding
		Civil parish	/community b	oundary	
		District box	-		
_			•		
_ •		County box			
٥		Boundary			
٥			mereing symb ear in oppos		
Bks	Barracks		Р	Pillar, Pol	e 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		wage Imping 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	Tonk or T	•==l:

Fn / D Fn Fountain / Drinking Ftn.

Gas Governer

**Guide Post** 

Manhole

Gas Valve Compound

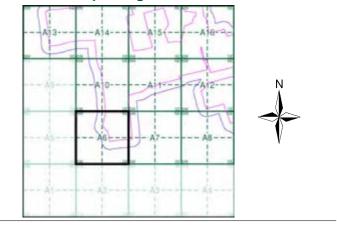
Mile Post or Mile Stone



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

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Lincolnshire	1:2,500	1920	4
Ordnance Survey Plan	1:2,500	1972 - 1975	5
Large-Scale National Grid Data	1:2,500	1994	6
Historical Aerial Photography	1:2,500	1999	7

## **Historical Map - Segment A6**



#### **Order Details**

Order Number: 287331844\_1\_1 21-1098.02 **Customer Ref:** National Grid Reference: 488660, 377270 Slice:

Site Area (Ha):

331.04 Search Buffer (m):

**Site Details** 

West Burton 2

Tank or Track

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Tr

Wd Pp

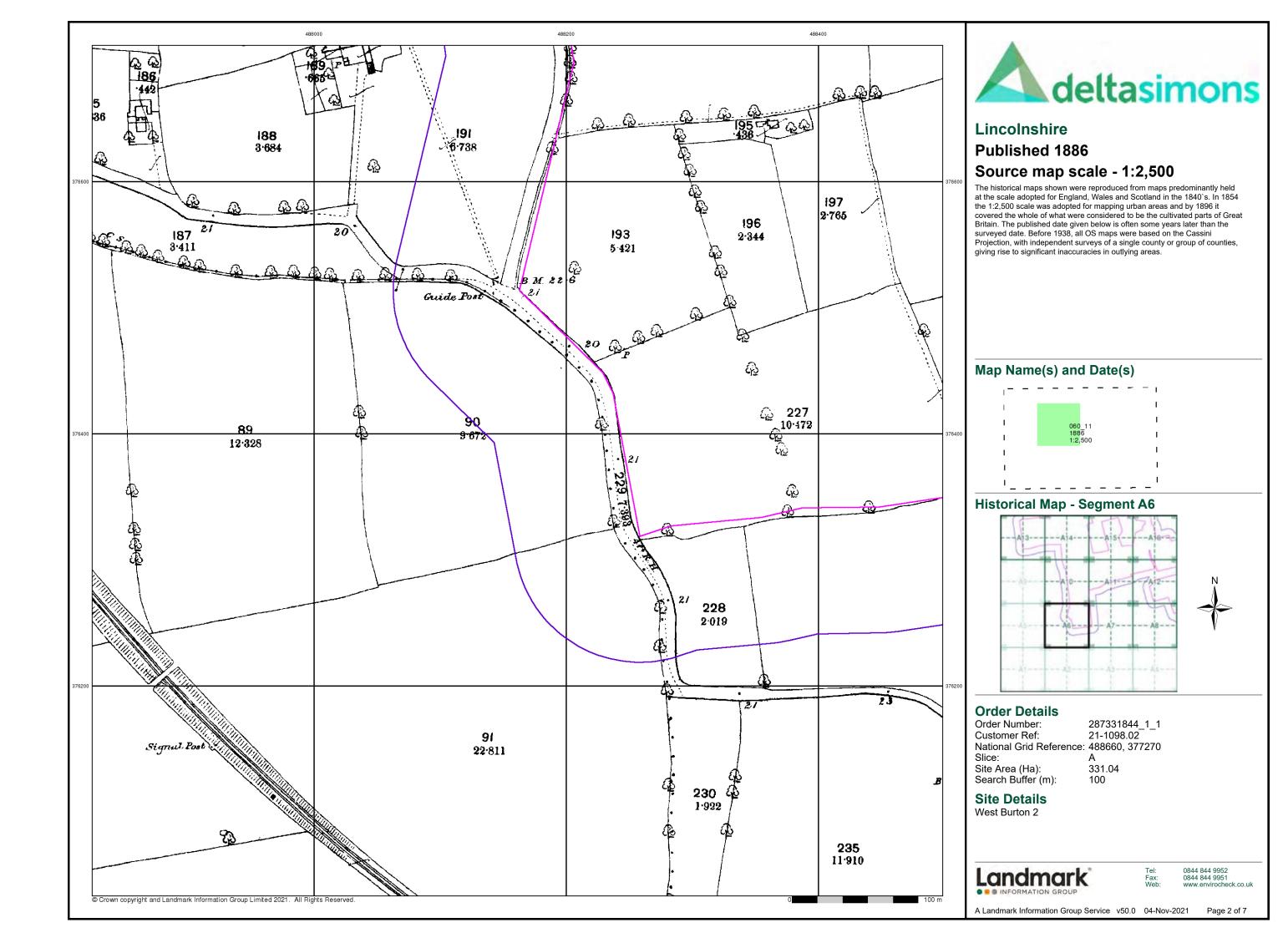
Wks

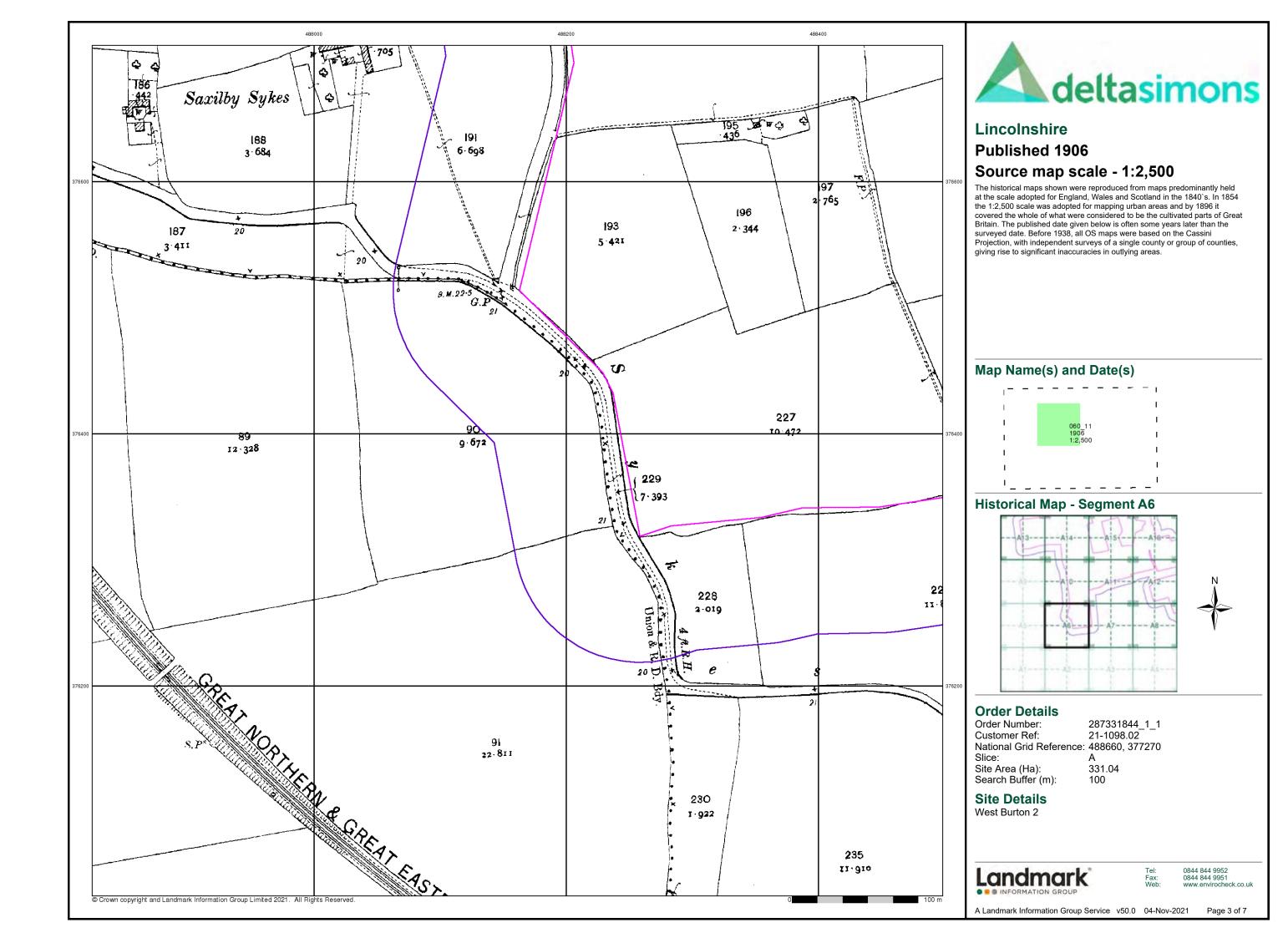


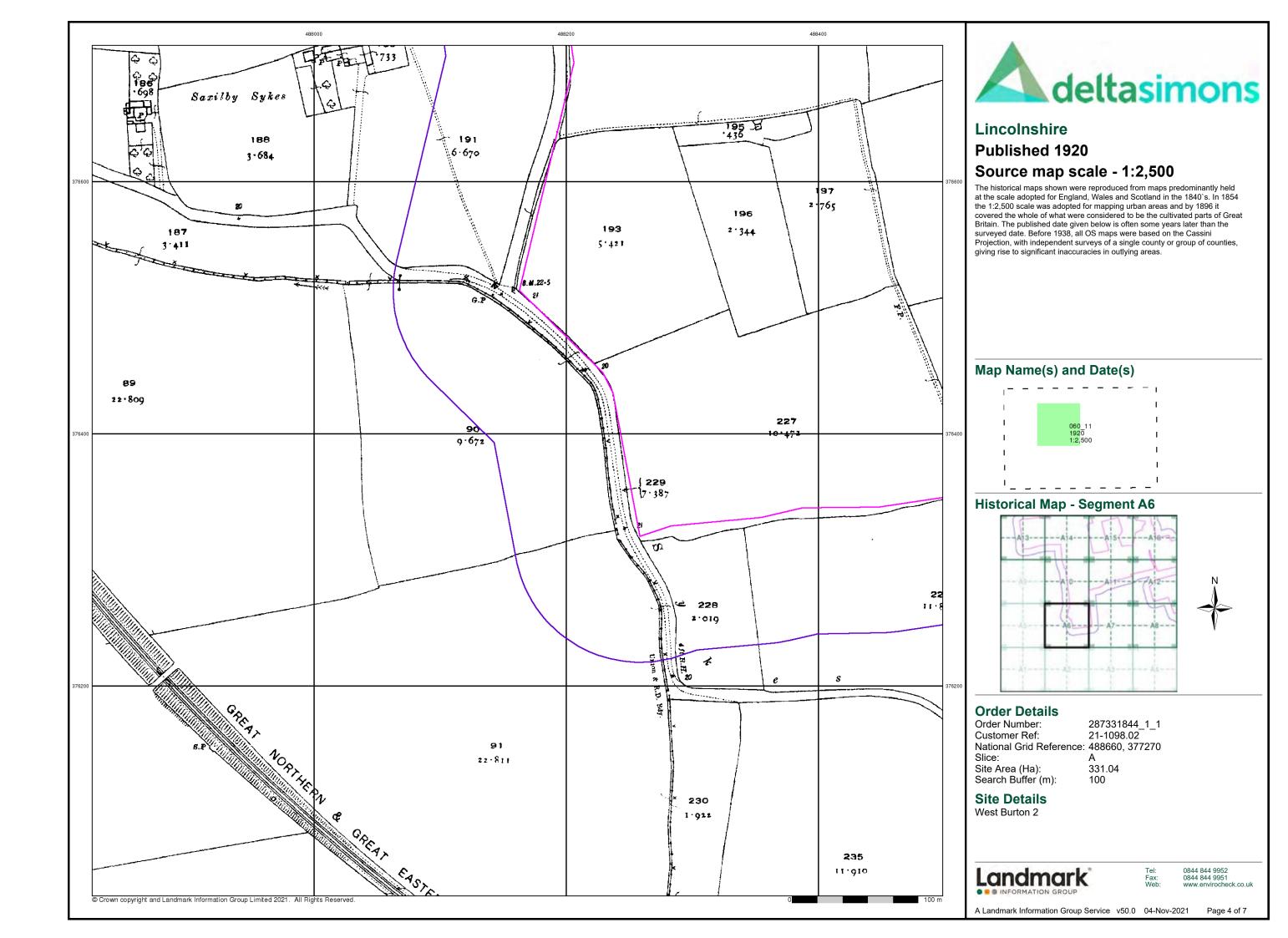
0844 844 9952 0844 844 9951

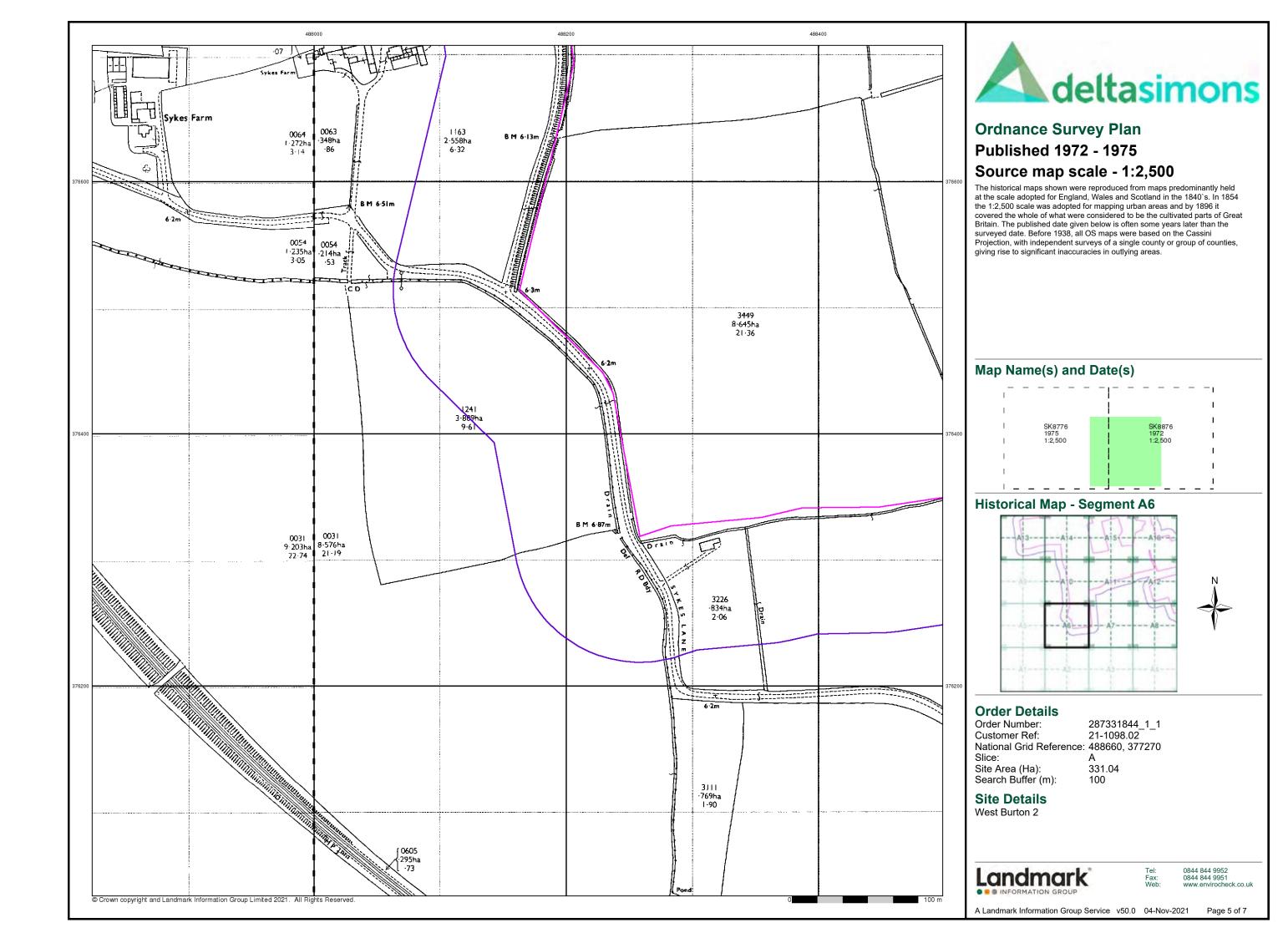
Page 1 of 7

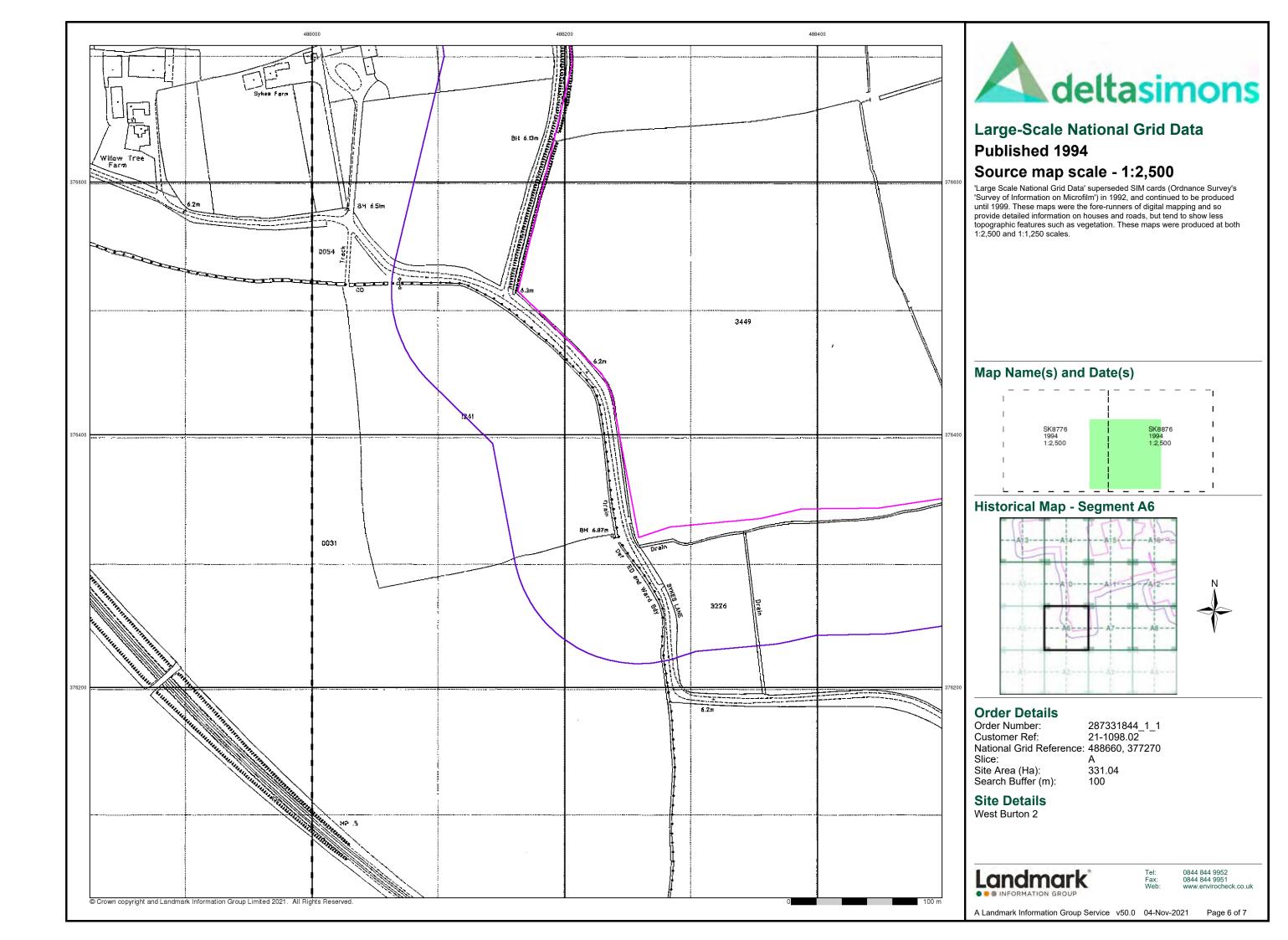
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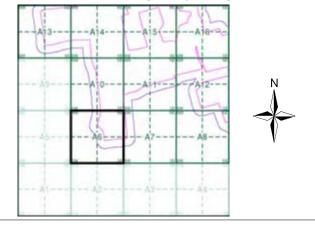




## **Historical Aerial Photography** Published 1999

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 A6**



## **Order Details**

Order Number: 287331844\_1\_1
Customer Ref: 21-1098.02
National Grid Reference: 488660, 377270 Slice:

Site Area (Ha): Search Buffer (m): 331.04 100

**Site Details** 

West Burton 2

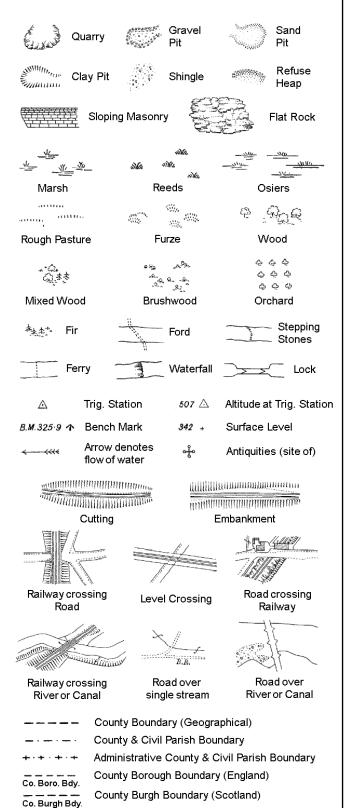
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## **Historical Mapping Legends**

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



B.R.

E.P

F.B.

M.S

Bridle Road

Foot Bridge

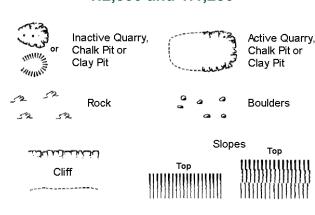
Mile Stone

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

Electricity Pylor

Guide Post or Board

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



	Гор	Sloping Masonry
-0	Non-Co	niferous Tree

(surveyed)

Orchard

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

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

Trough

Well

S.P

Sl.

 $T_T$ 

T.C.B

of water flow

(not surveyed)

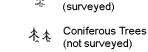


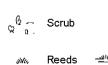
Roofed Building

Non-Coniferous Trees









ш<sub>и</sub> Heath

Bench

Station

Civil Parish Boundary

mereing changes

London Borough Boundary

РО

PH

SB, SB

SP. SL

Τk

TCB

TCP

Wd Pp

**Electricity Transmission Line** 

Triangulation

County Boundary (Geographical)

Admin. County or County Bor. Boundary

Symbol marking point where boundary

County & Civil Parish Boundary







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



Glazed Roof

Buildina





BM 231.60m

Cliff

Rock

Boulders

(surveyed)

(not surveyed)

Orchard

Coppice,

Rough

Grassland

Direction

of water flow

දු

Positioned Boulder

Non-Coniferous Tree

Non-Coniferous Trees

ွမ်္က Scrub

wum, Heath

Δ

**Electricity Transmission Line** 

Bench Mark

Reeds

Triangulation





 $\boxtimes$ 





Civil parish/community boundary District boundary

1:1,250

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

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

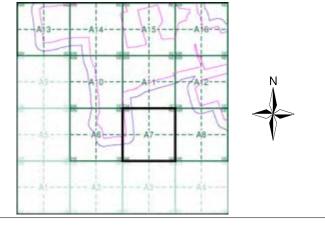
BKS	Barracks	Р	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Pp	g Sta Sewage Pumping Station
EIP	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	WrPt, WrT	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well



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

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Lincolnshire	1:2,500	1920	4
Ordnance Survey Plan	1:2,500	1972	5
Additional SIMs	1:2,500	1986	6
Additional SIMs	1:2,500	1993	7
Large-Scale National Grid Data	1:2,500	1994	8
Historical Aerial Photography	1:2,500	1999	9

## **Historical Map - Segment A7**



#### **Order Details**

Order Number: 287331844\_1\_1 21-1098.02 **Customer Ref:** National Grid Reference: 488660, 377270 Slice: 331.04 Site Area (Ha):

Search Buffer (m):

**Site Details** West Burton 2

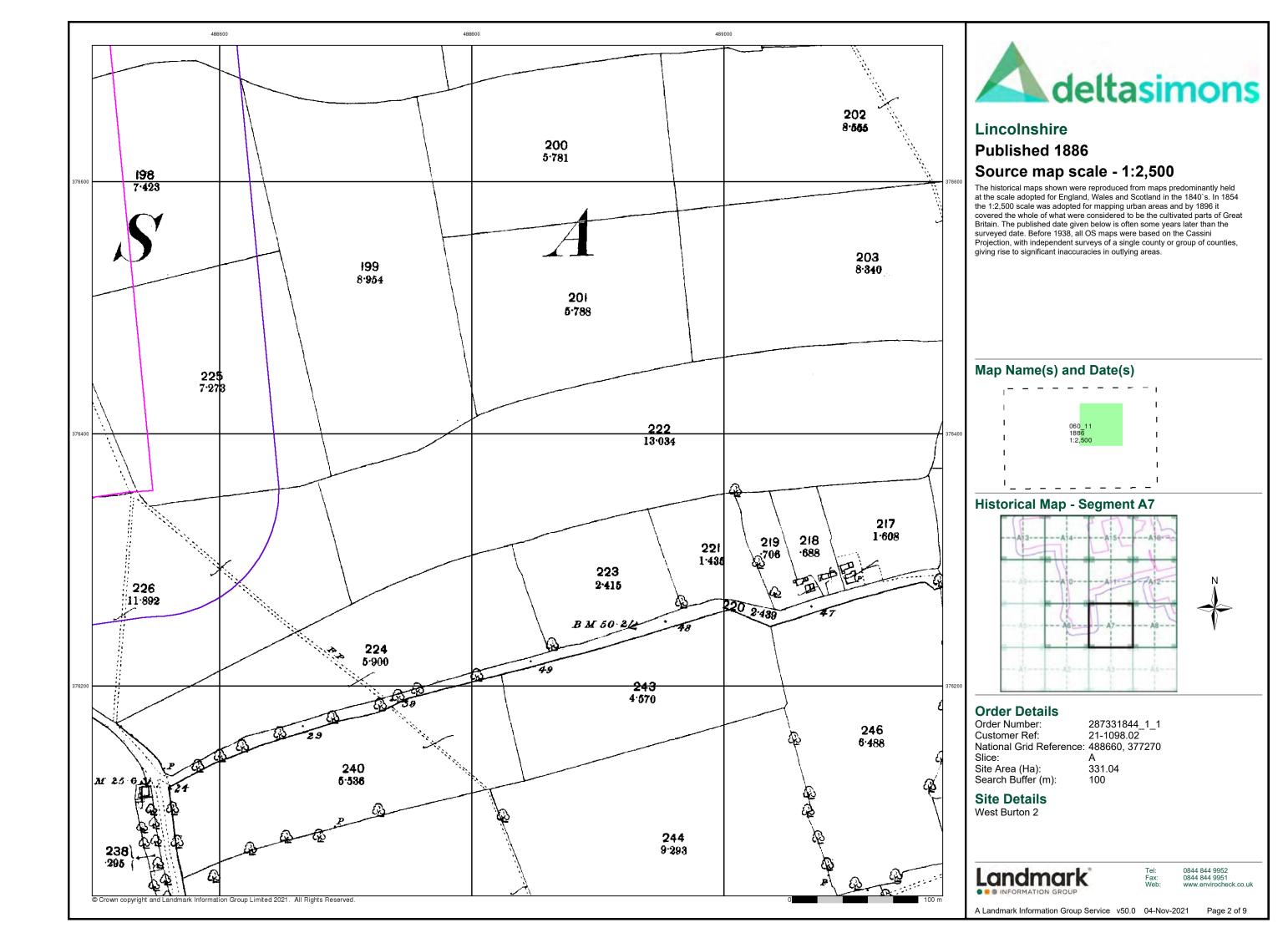


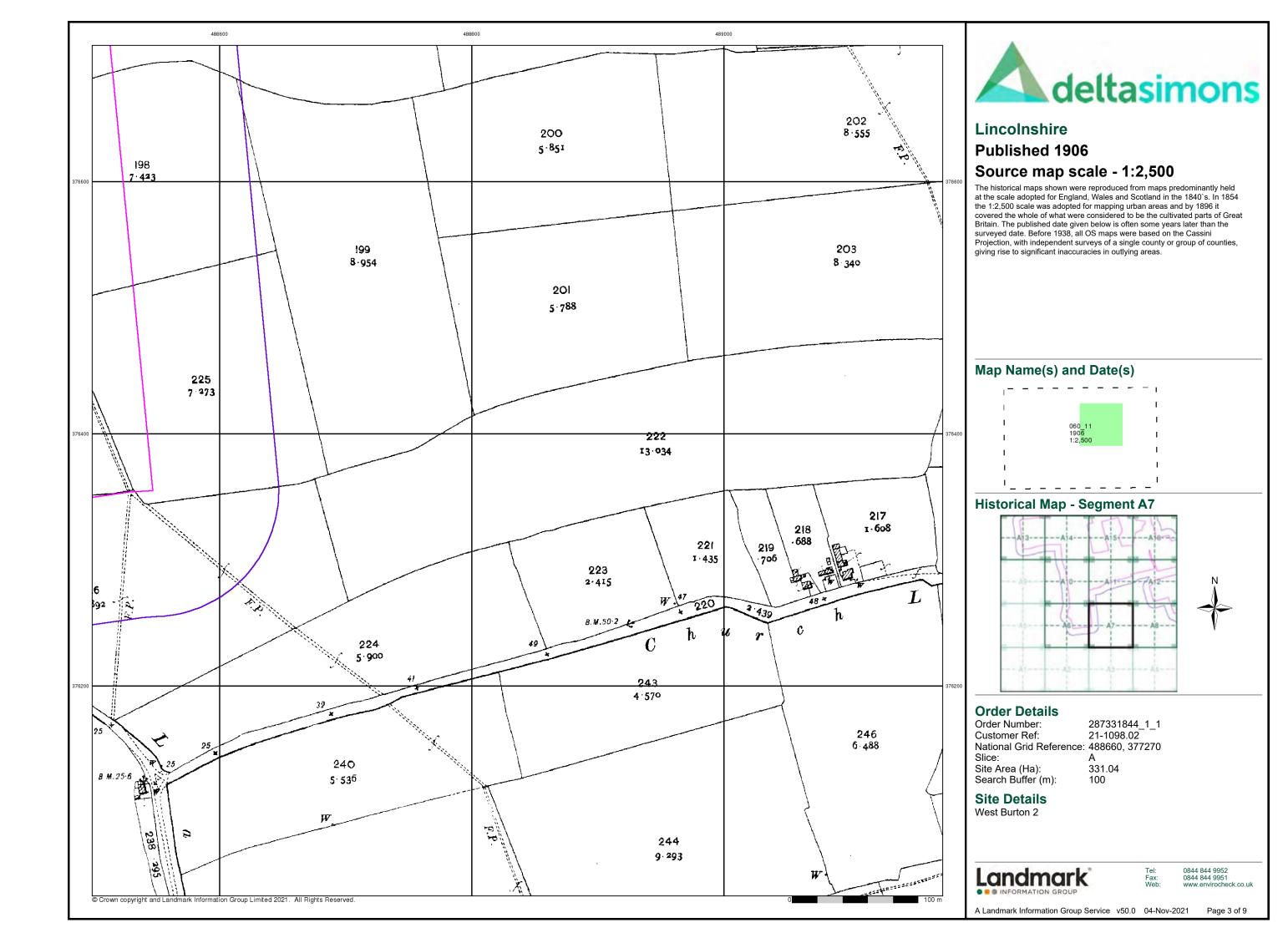
0844 844 9952 0844 844 9951

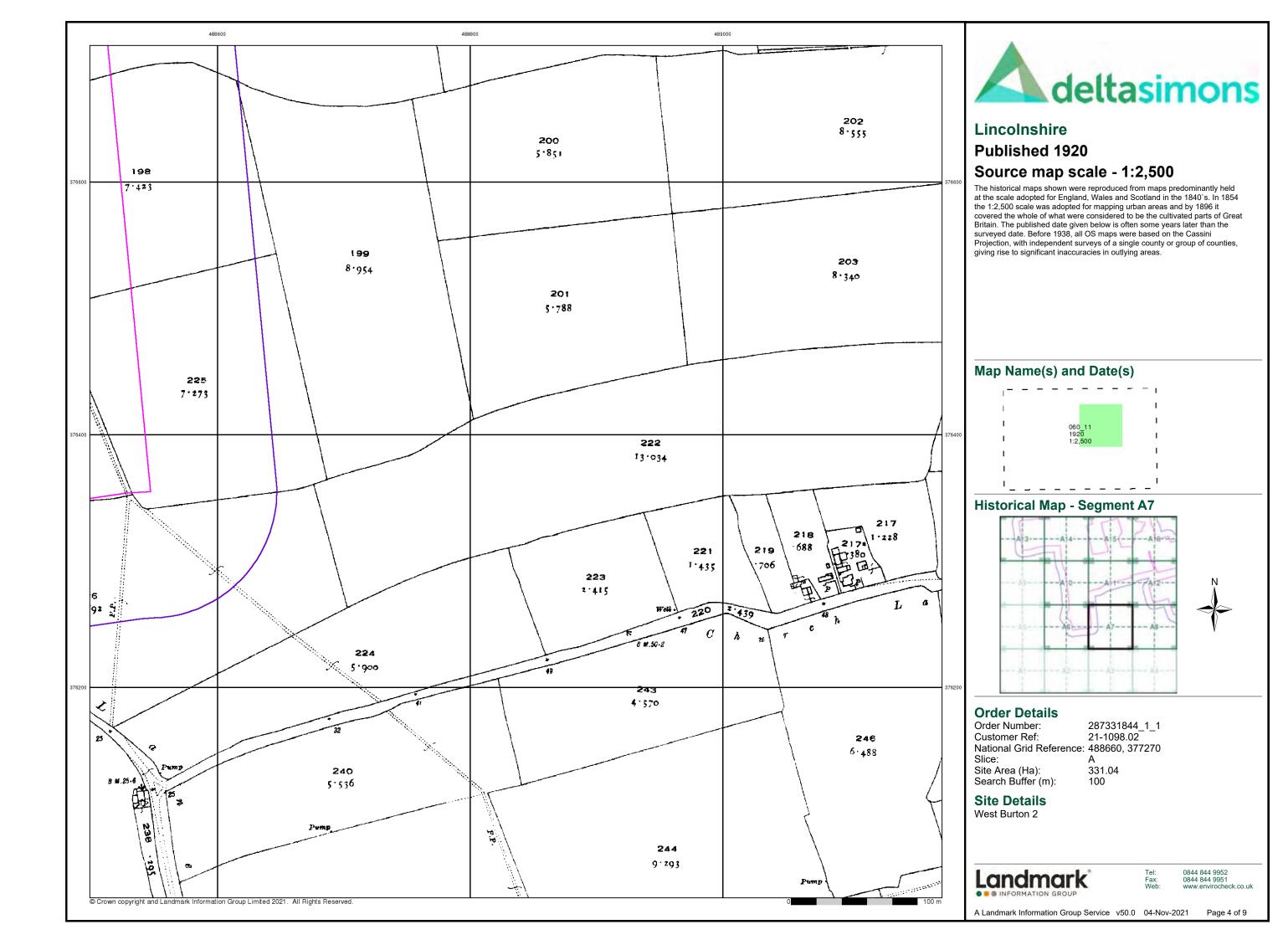
Page 1 of 9

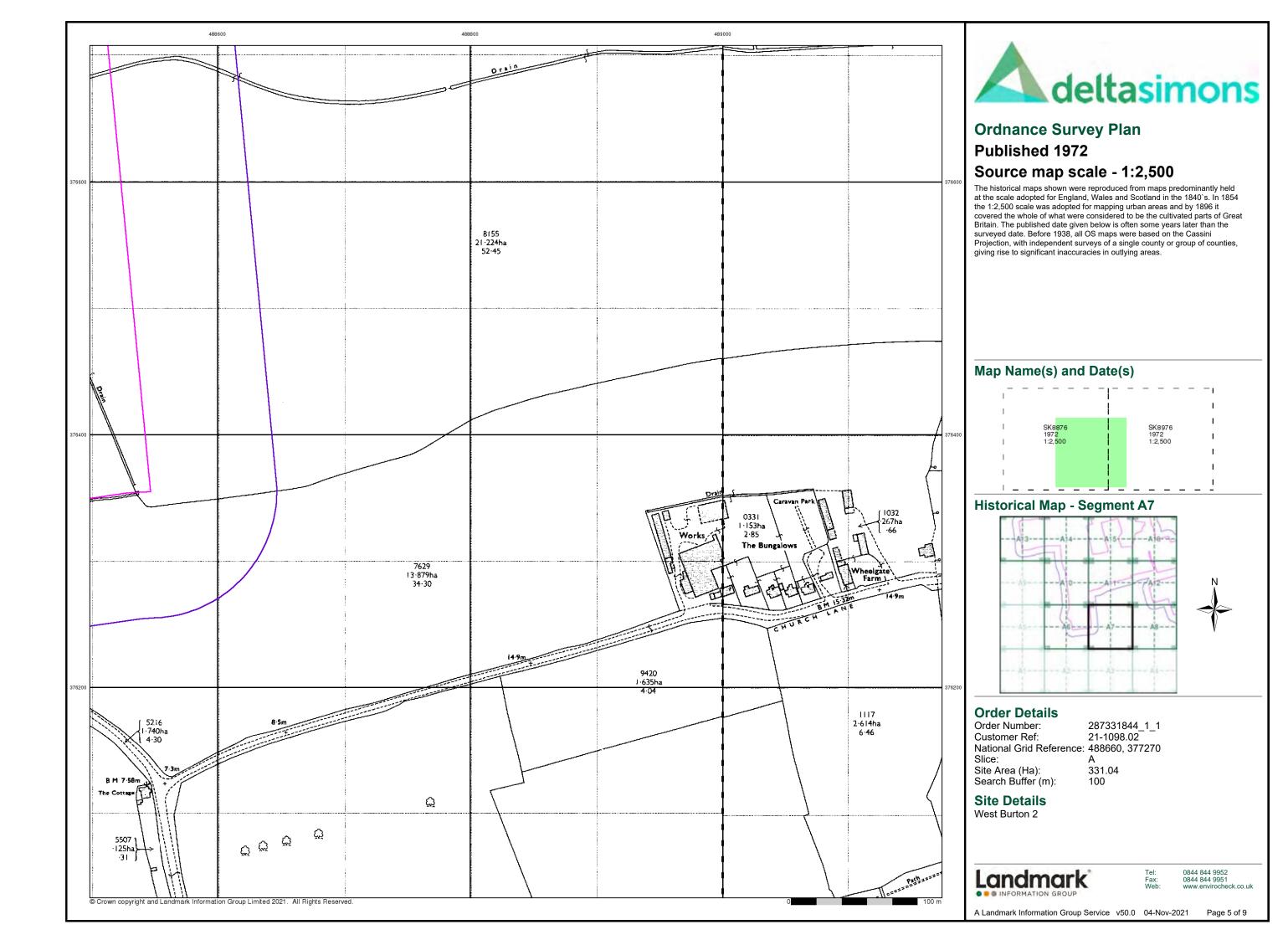
A Landmark Information Group Service v50.0 04-Nov-2021

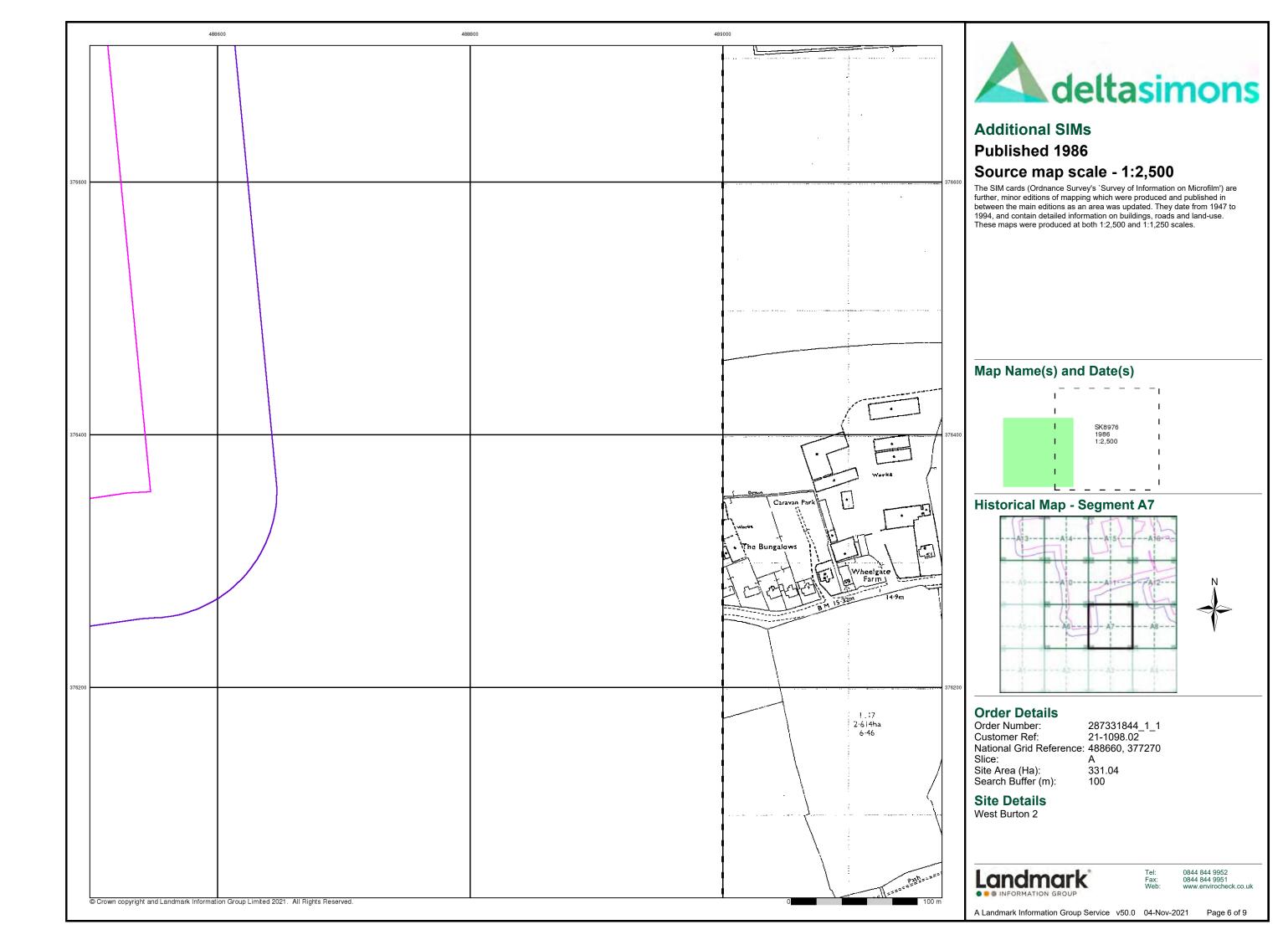
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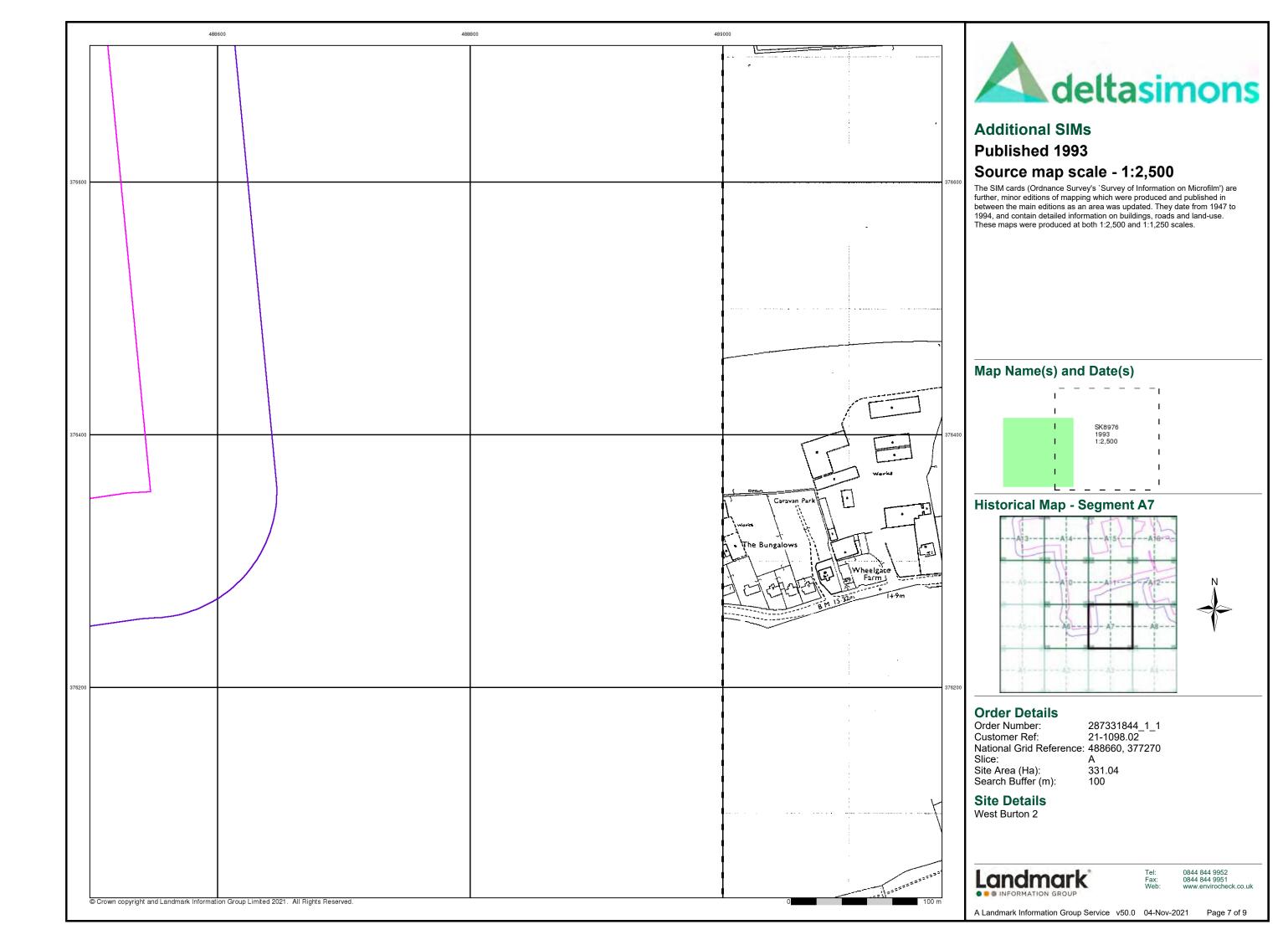


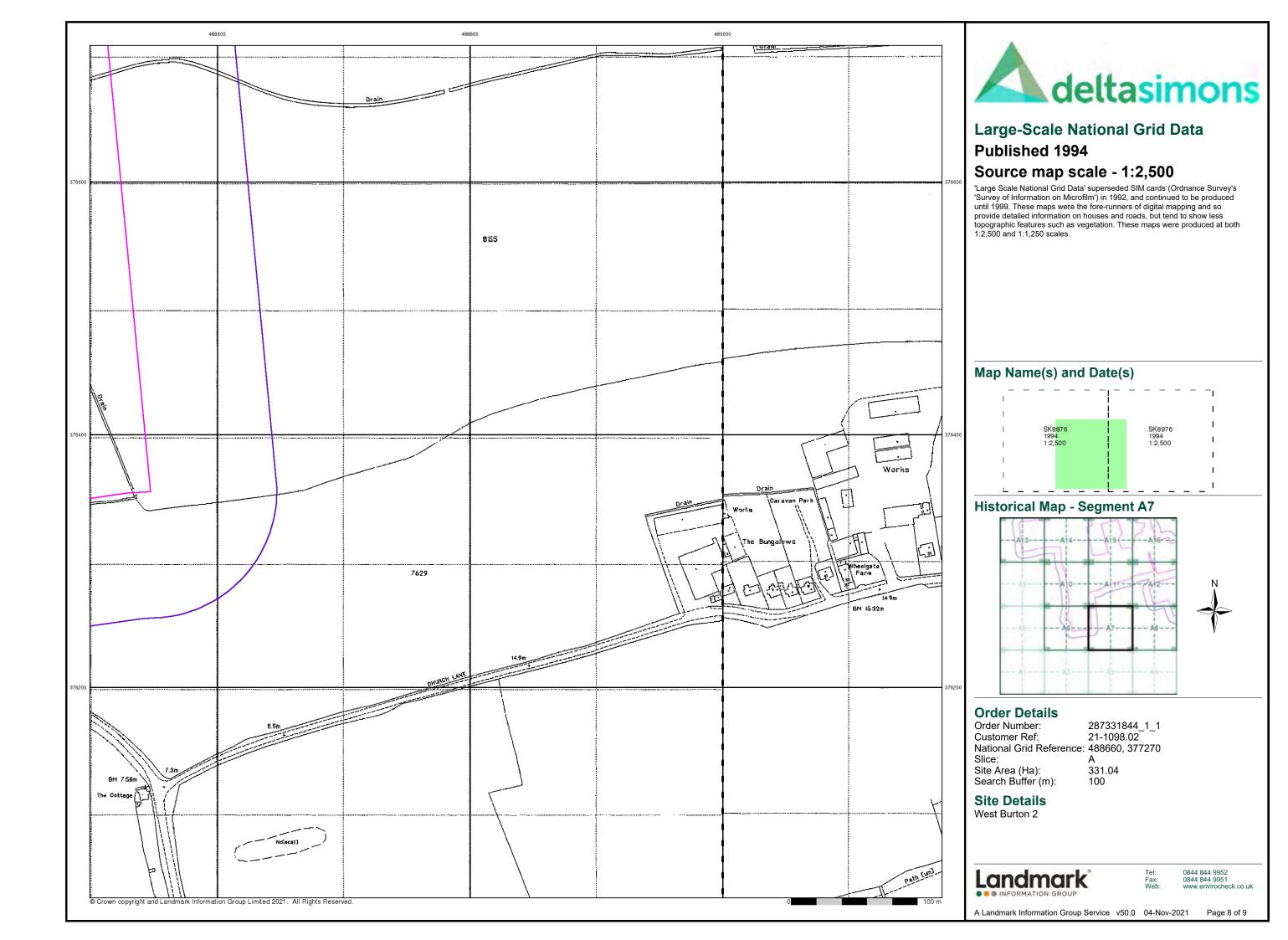










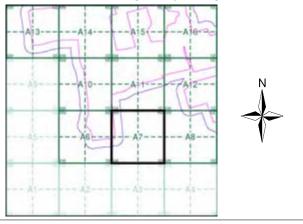






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

## **Historical Aerial Photography - Segment A7**



#### **Order Details**

Order Number: 287331844\_1\_1
Customer Ref: 21-1098.02
National Grid Reference: 488660, 377270 Slice:

Site Area (Ha): Search Buffer (m): 331.04 100

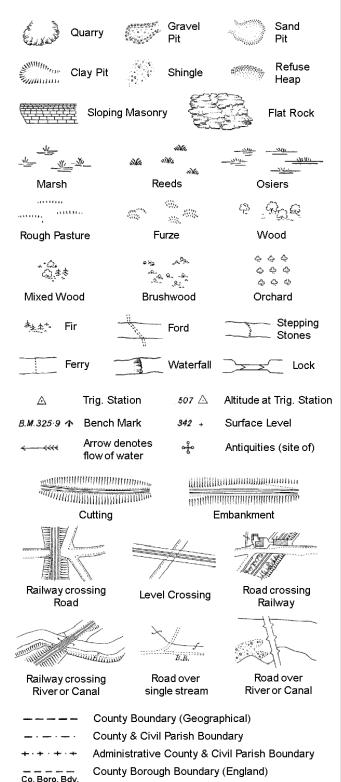
**Site Details** 

West Burton 2

Landmark\*

0844 844 9952 0844 844 9951 www.envirocheck.co.uk

## **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

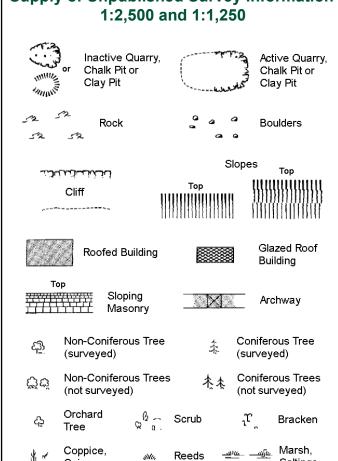
B.R.

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



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

_			Slo	opes Top
بالاند	لكنيني		Ton	1111111111111111
	Cliff	1111111	Top 	111111111111111111111111111111111111111
250	Rock		23	Rock (scattered)
	Boulders		<i>D</i>	Boulders (scattered)
	Positioned	l Boulder		Scree
<u>ැබි</u>	Non-Conif (surveyed	erous Tree	*	Coniferous Tree (surveyed)
Ö̈́σ̈́	Non-Conit (not surve	erous Trees yed)	杰杰	Coniferous Trees (not surveyed)
දා	Orchard Tree	Q a. So	crub	<sub>ໃ</sub> ້ Bracken
北~	Coppice, Osier	<i>‰</i> Re	eeds 🛥	Marsh, Saltings
antin,	Rough Grassland	<sub>и</sub> ши, Н	eath	Culvert
<del>*** &gt;</del>	Direction of water fl		iangulatior ation	Antiquity (site of)
ETL_	_ Electric	city Transmissio	on Line	⊠ Electricity Pylon
\ <del> </del>	l 291.6ûm	Bench Mark		Buildings with Building Seed
	Roof	ed Building		Glazed Roof Building
		Obstitute and all to		
• •		Civil parish/co	<del>-</del>	oundary
		District bound	-	
_ •		County bound	lary	
	5	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	Rly Dismar	itled Railway	PW	Place of Worship
El Gen S		ity Generating	Sewage P	
EIP	Station	Pole, Pillar	SB, S Br	Pumping Station Signal Box or Bridge
	ta Electricity	,		
FB	Filter Bed	Jan Judoll	SP, SL Spr	Signal Post or Light Spring
	, inter Deu		Opi	Shimia

Tk

Tr

Wd Pp

Wks

Tank or Track

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Fn / D Fn Fountain / Drinking Ftn.

Gas Governer

**Guide Post** 

Manhole

GVC

Gas Valve Compound

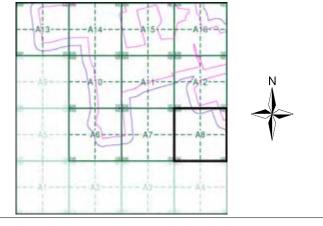
Mile Post or Mile Stone



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

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Lincolnshire	1:2,500	1920	4
Ordnance Survey Plan	1:2,500	1972	5
Additional SIMs	1:2,500	1986	6
Additional SIMs	1:2,500	1993	7
Large-Scale National Grid Data	1:2,500	1994	8
Historical Aerial Photography	1:2,500	1999	9

## **Historical Map - Segment A8**



#### **Order Details**

Order Number: 287331844\_1\_1 **Customer Ref:** 21-1098.02 National Grid Reference: 488660, 377270 Slice:

Site Area (Ha):

331.04 Search Buffer (m):

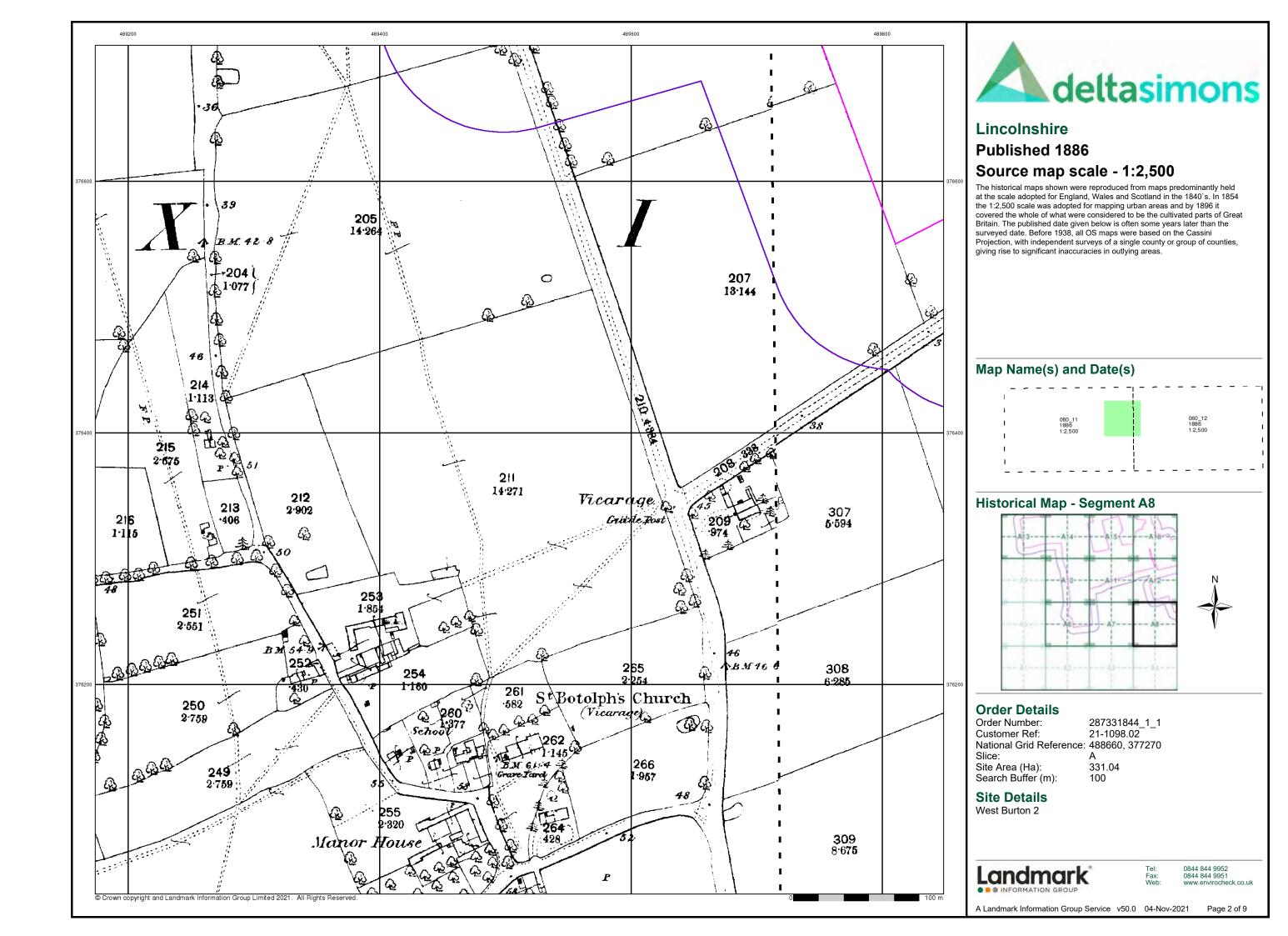
## **Site Details**

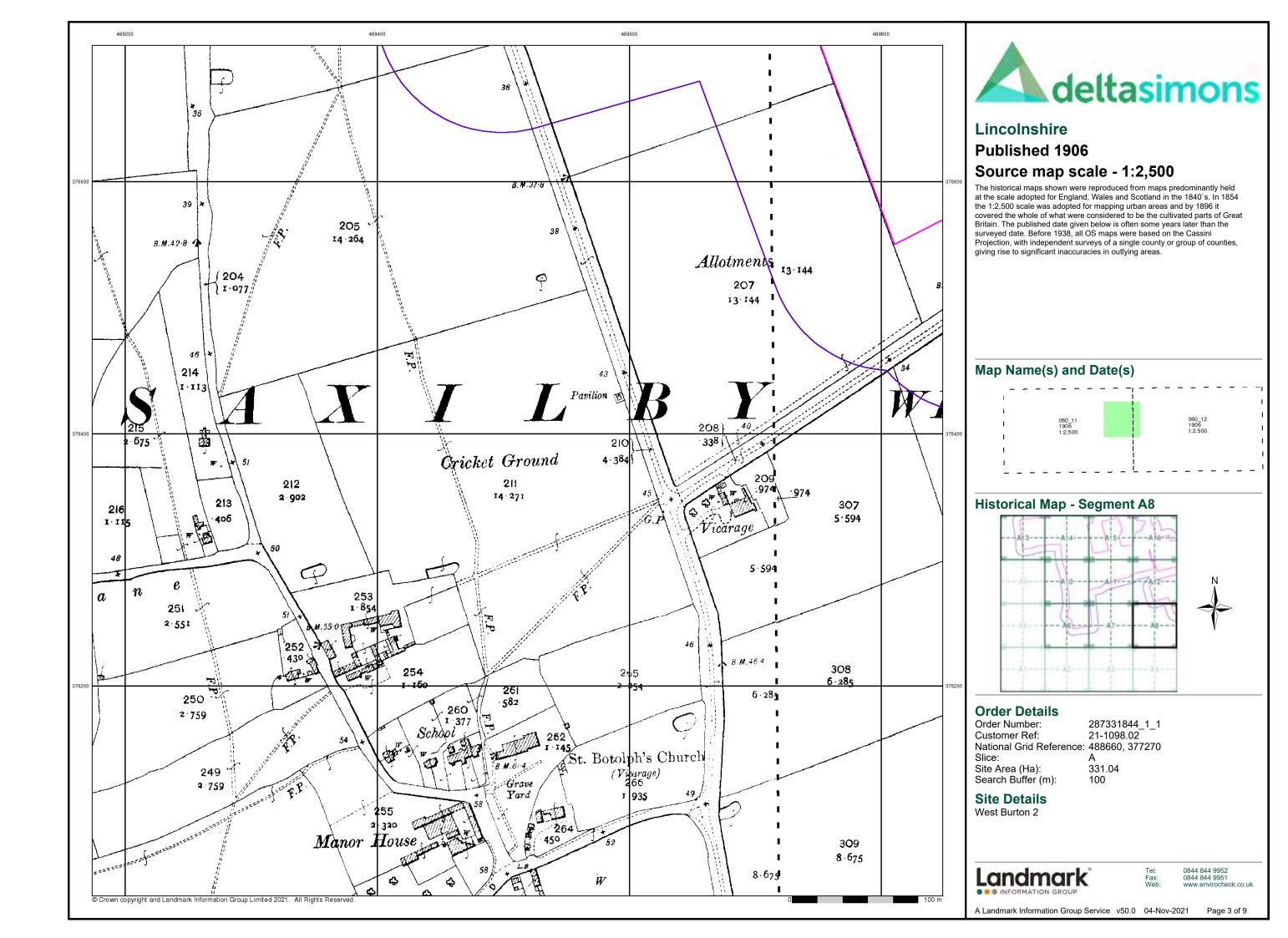
West Burton 2

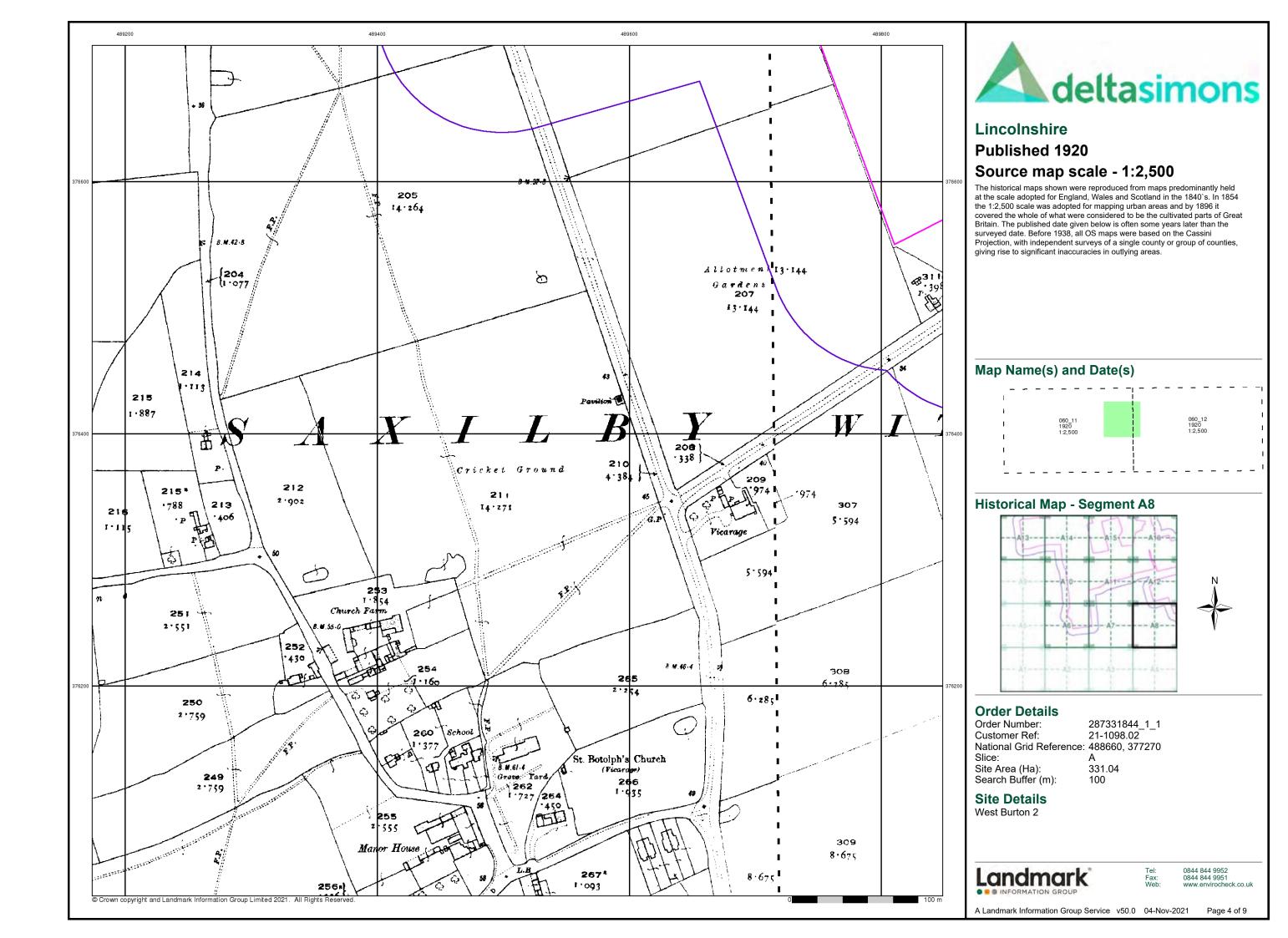


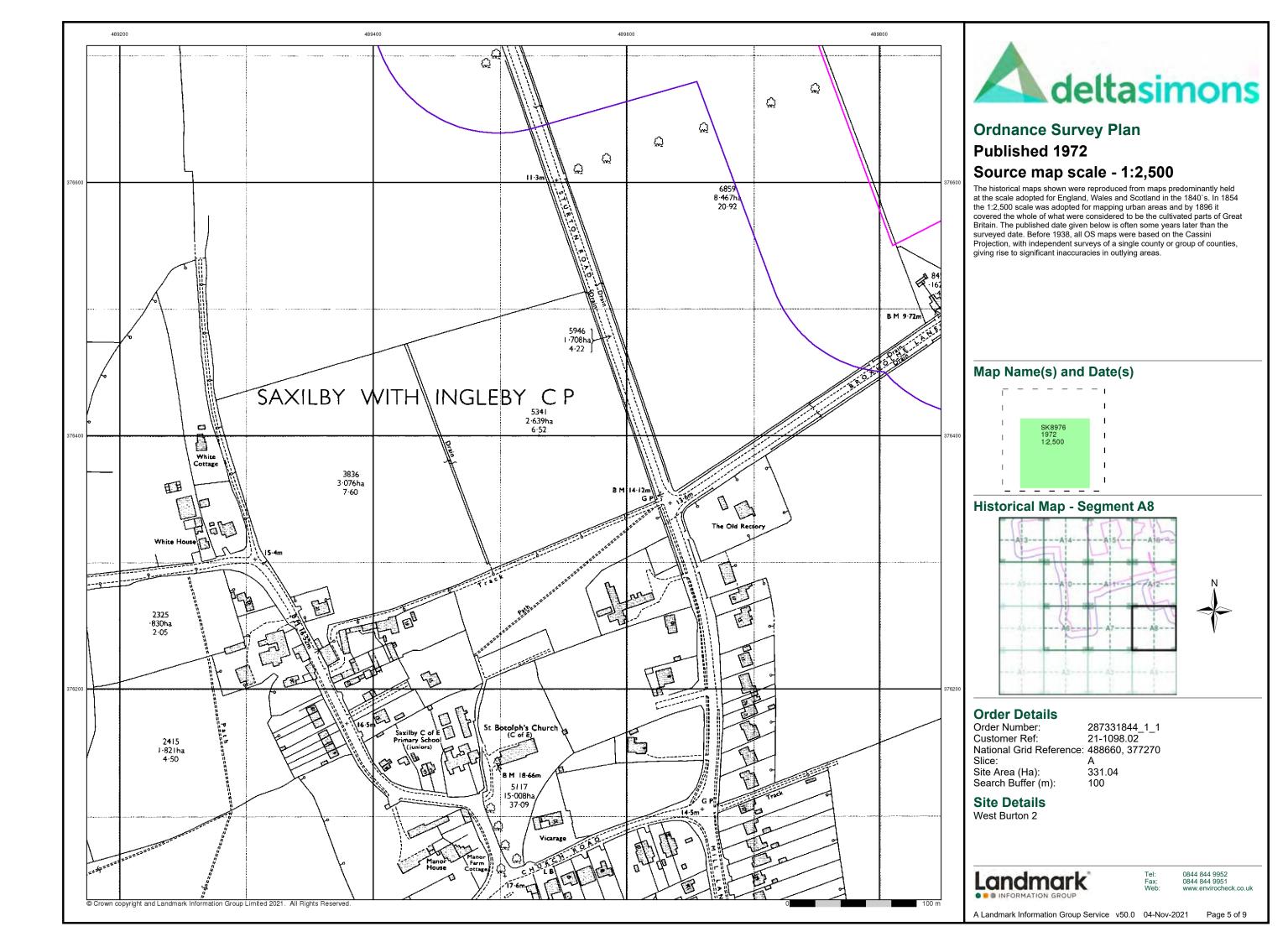
0844 844 9952 0844 844 9951

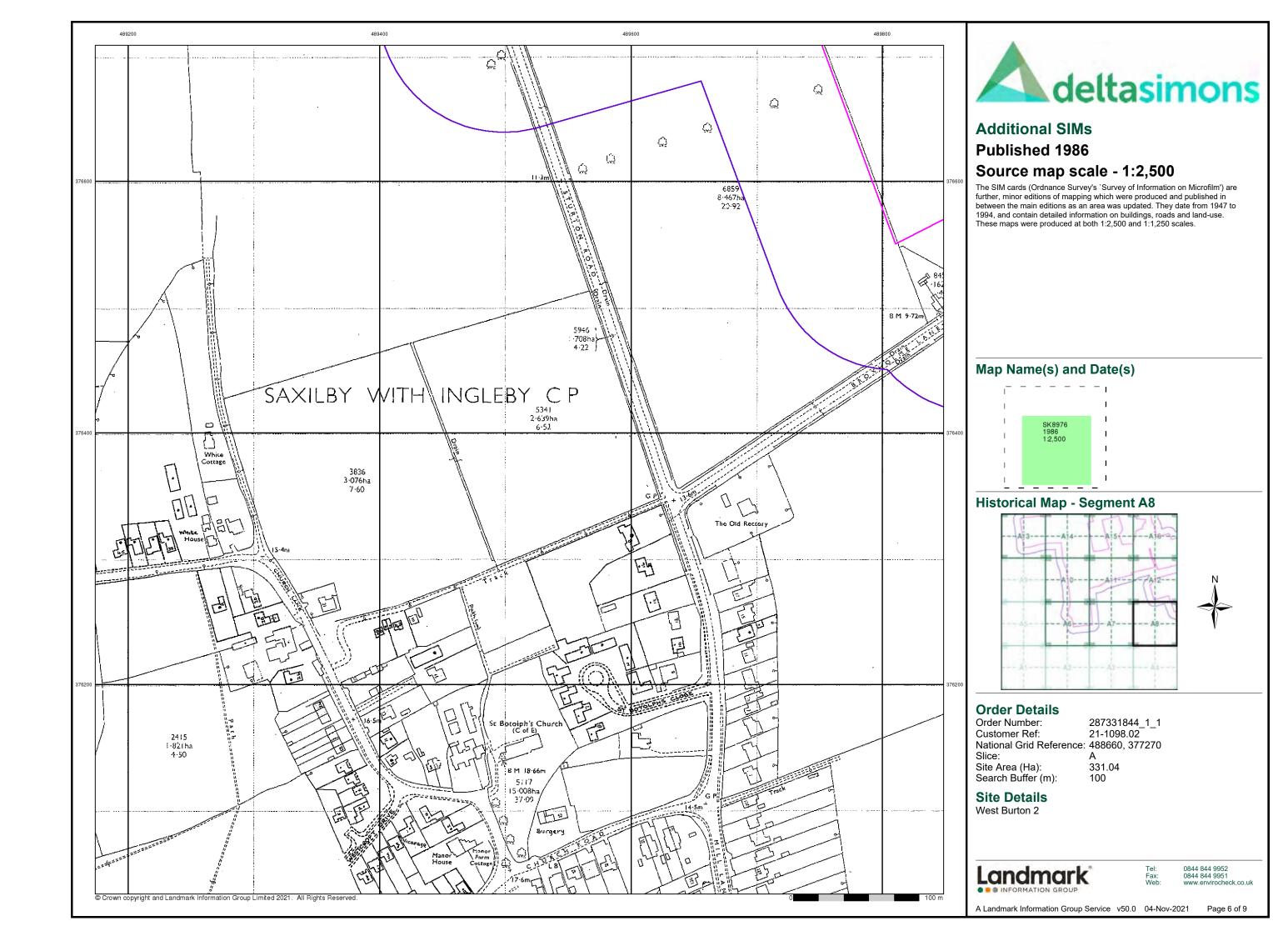
Page 1 of 9

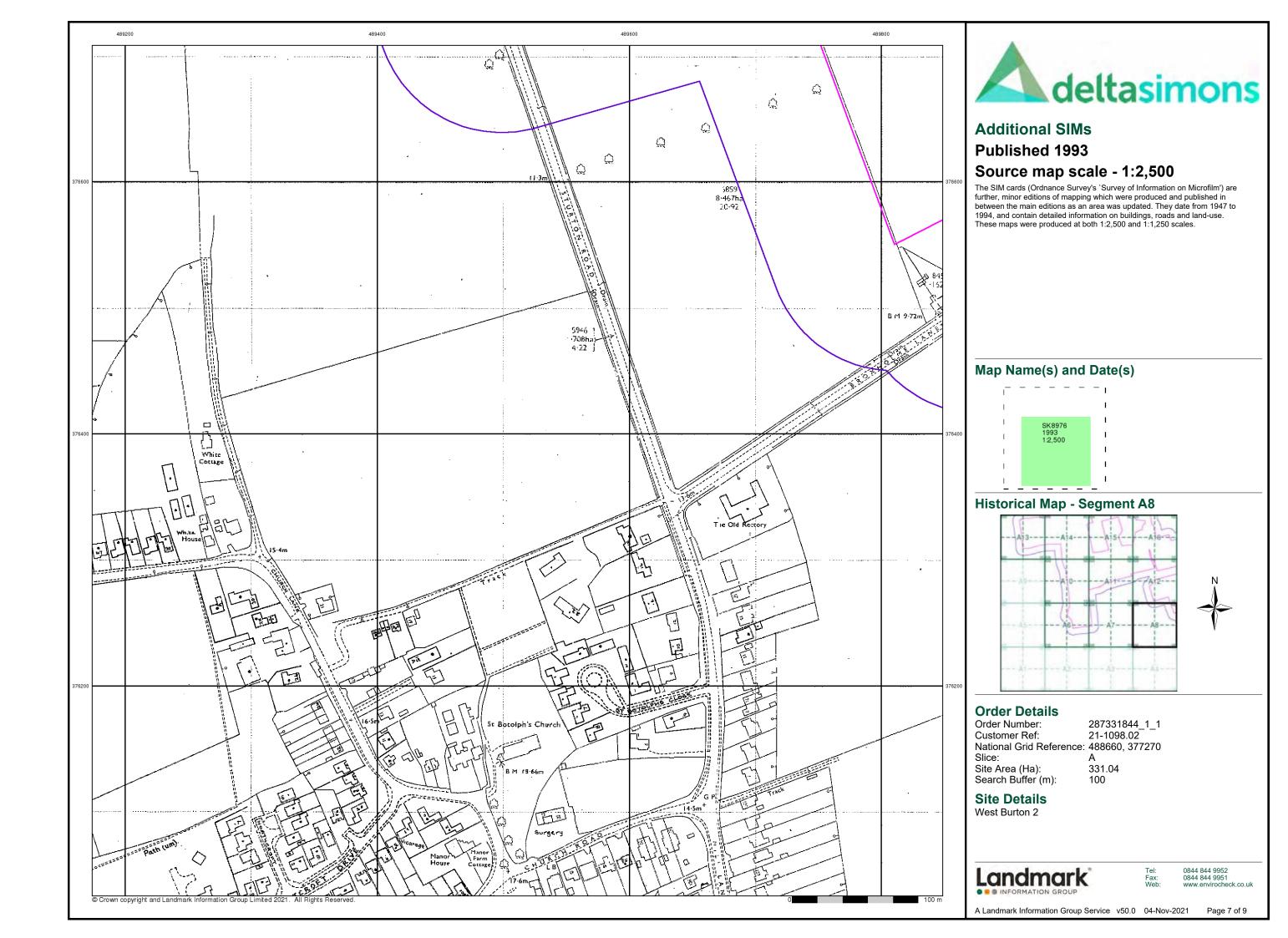


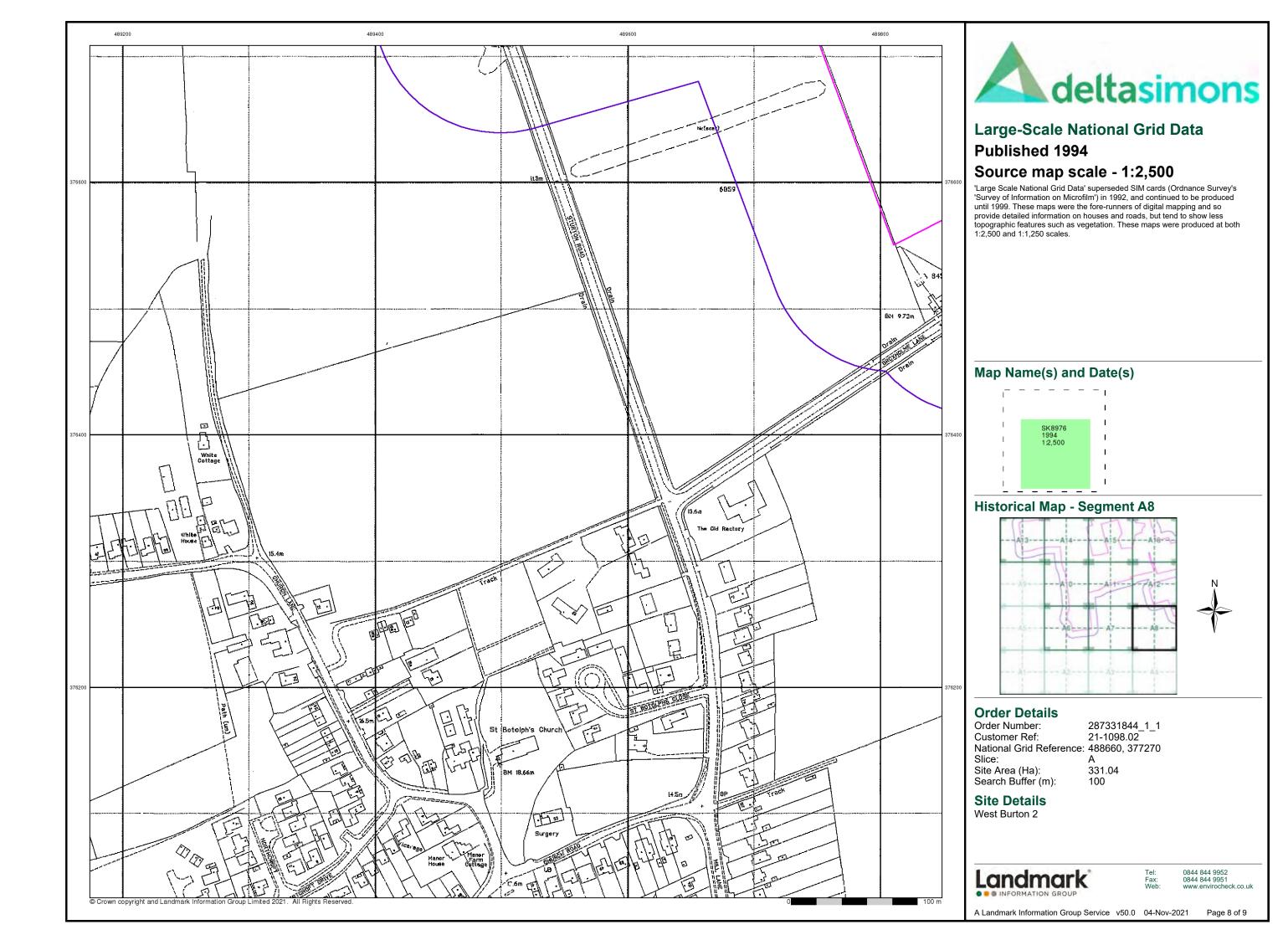


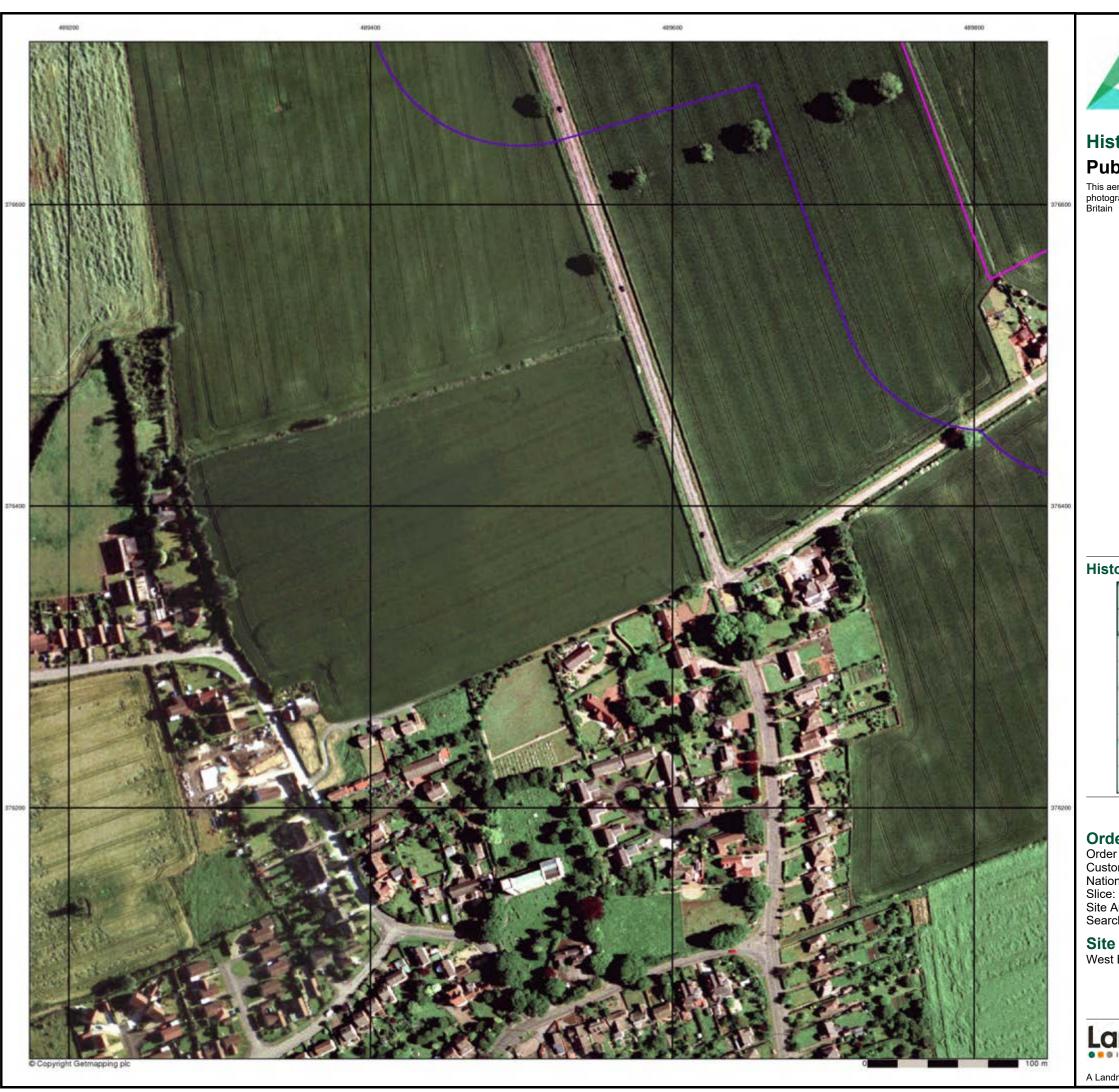








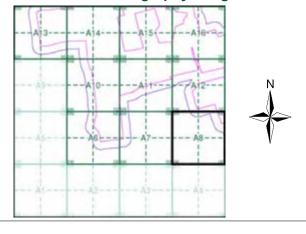






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

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



#### **Order Details**

Order Number: 287331844\_1\_1
Customer Ref: 21-1098.02
National Grid Reference: 488660, 377270

Site Area (Ha): Search Buffer (m): 331.04 100

**Site Details** 

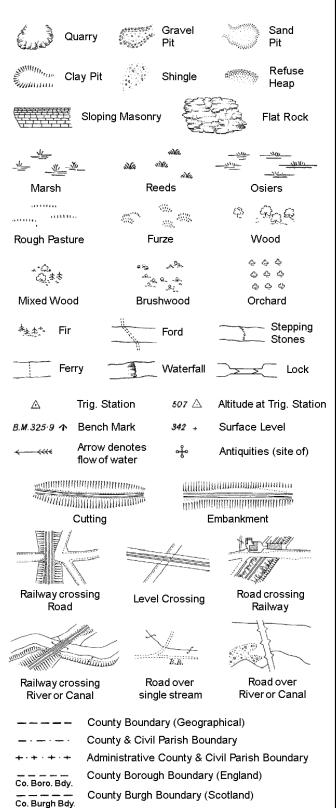
West Burton 2

Landmark\*

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## **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

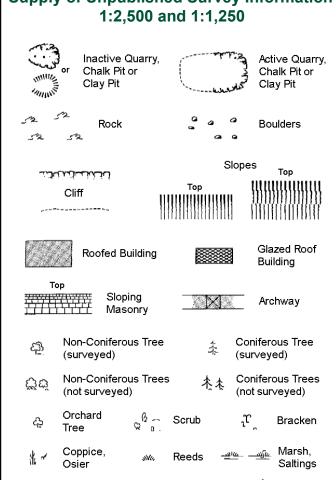
Trough Well

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



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	Wr Pt, Wr T	Water Point, Water Tap
MP MS	Mile Post or Mooring Post Mile Stone	Wr Pt, Wr T W	Water Point, Water Tap Well

# 1:1,250

			Slo	pes .	Тор
لتكابل سائنه لتلاثر			Тор	1111111	1111111111
(	Cliff	11111	111111111111111111111111111111111111111	_ )))))))	1111111111111
,					[1]]1[5]]
523	Rock		7,3	Rock (so	attered)
$\triangle_{a}$	Boulders		Δ.	Boulders	(scattered)
$\triangle$	Positioned	Boulder		Scree	
<u>කු</u>	Non-Conif	erous Tree )	未	Conifero	
ඊූජ	Non-Conif (not surve	erous Trees yed)	杰杰	Conifero (not surv	ous Trees reyed)
ఢ	Orchard Tree	Q a.	Scrub	T,	Bracken
* ~	Coppice, Osier	siVis	Reeds 🛥	<u>।ए —ग्रींह</u>	Marsh, Saltings
actities,	Rough Grassland	mun,	Heath	1	Culvert
<del>&gt;&gt;&gt; →</del>	Direction of water flo		Triangulatior Station	ું નું	Antiquity (site of)
E <u>T</u> L	Electric	ity Transmiss	sion Line	$\boxtimes$	Electricity Pylon
K BM	231.6ûm E	ench Mark		Building Building	gs with g Seed
	Roofe	ed Building		81	azed Roof ilding
-	· · ·	Civil parish/o	=	oundary	
_ •		County bour	ndary		
٥		Boundary po	st/stone		
٥		Boundary m always appe of three)			
Bks	Barracks		Р	Pillar, Pol	e or Post
Bty	Battery		PO	Post Offic	
Cemy	Cemetery		PC		onvenience
Chy	Chimney		Pp	Pump	
Cis	Cistern		Ppg Sta	Pumping	Station
Dismtd R	ly Disman	tled Railway	PW	Place of\	Vorship
El Gen St	ta Electric Station	ity Generating	Sewage P	pg Sta Se Pu	wage Imping Station
EIP	Electricity	Pole, Pillar	SB, S Br		ox or Bridge
El Sub St	a Electricity	Sub Station	SP, SL	Signal Po	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

Filter Bed

GVC

Fn / D Fn Fountain / Drinking Ftn.

Gas Governer

**Guide Post** 

Manhole

Gas Valve Compound

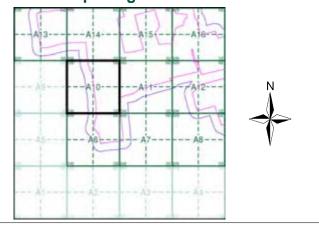
Mile Post or Mile Stone



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

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Lincolnshire	1:2,500	1920	4
Ordnance Survey Plan	1:2,500	1972 - 1975	5
Large-Scale National Grid Data	1:2,500	1994	6
Historical Aerial Photography	1:2,500	1999	7

## **Historical Map - Segment A10**



#### **Order Details**

Order Number: 287331844\_1\_1 **Customer Ref:** 21-1098.02 National Grid Reference: 488660, 377270 Slice:

Site Area (Ha):

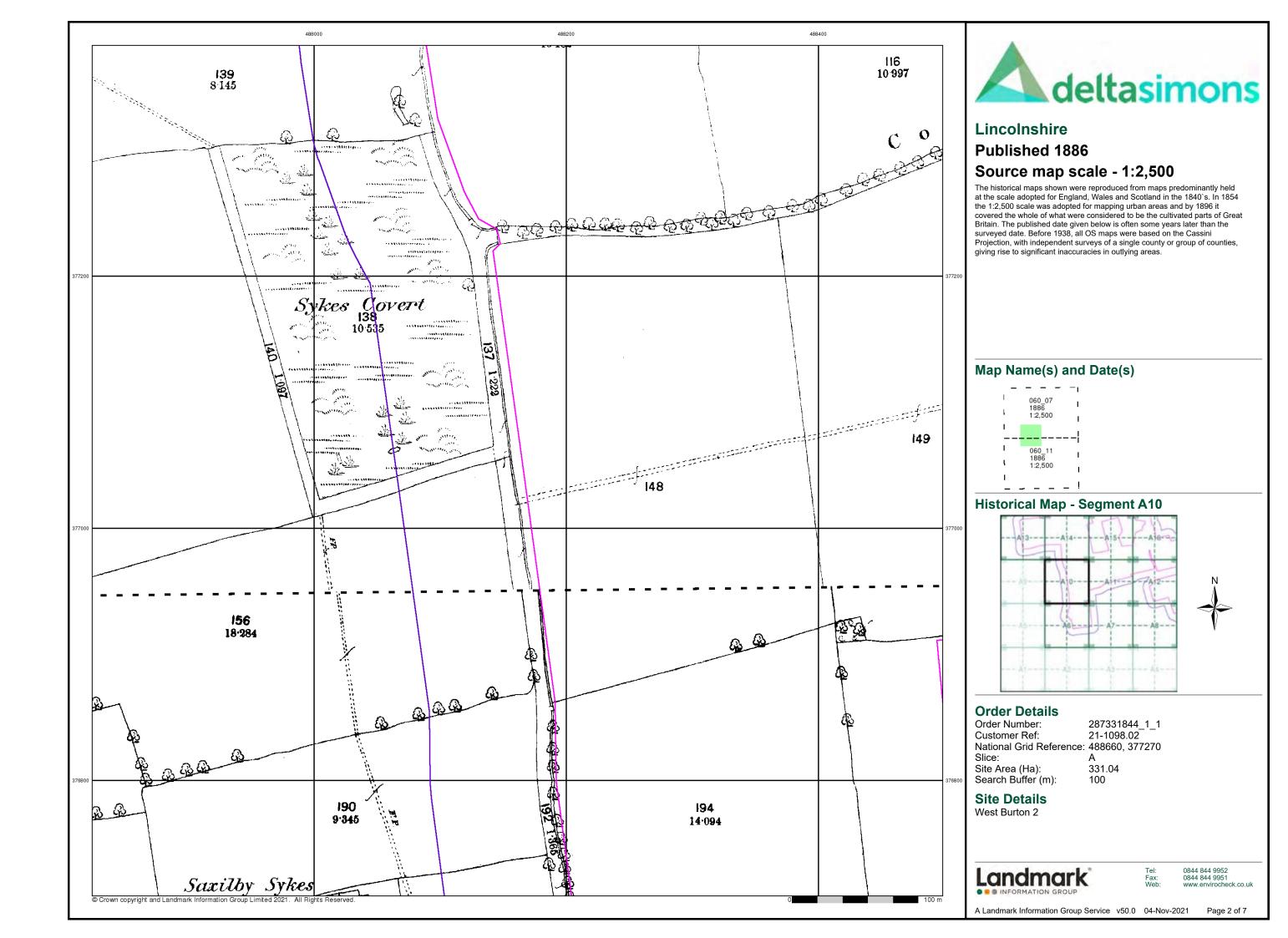
331.04 Search Buffer (m):

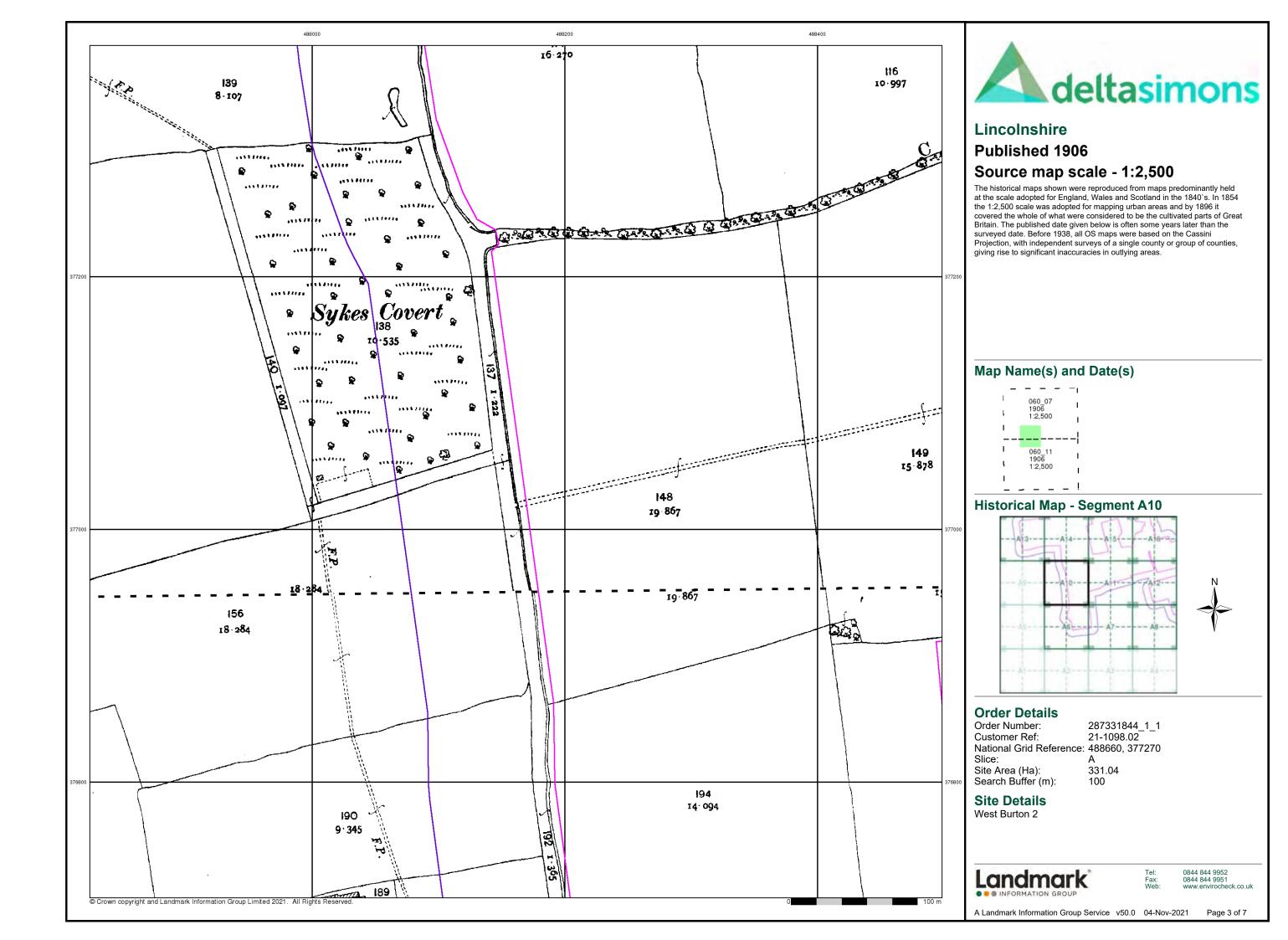
#### **Site Details** West Burton 2

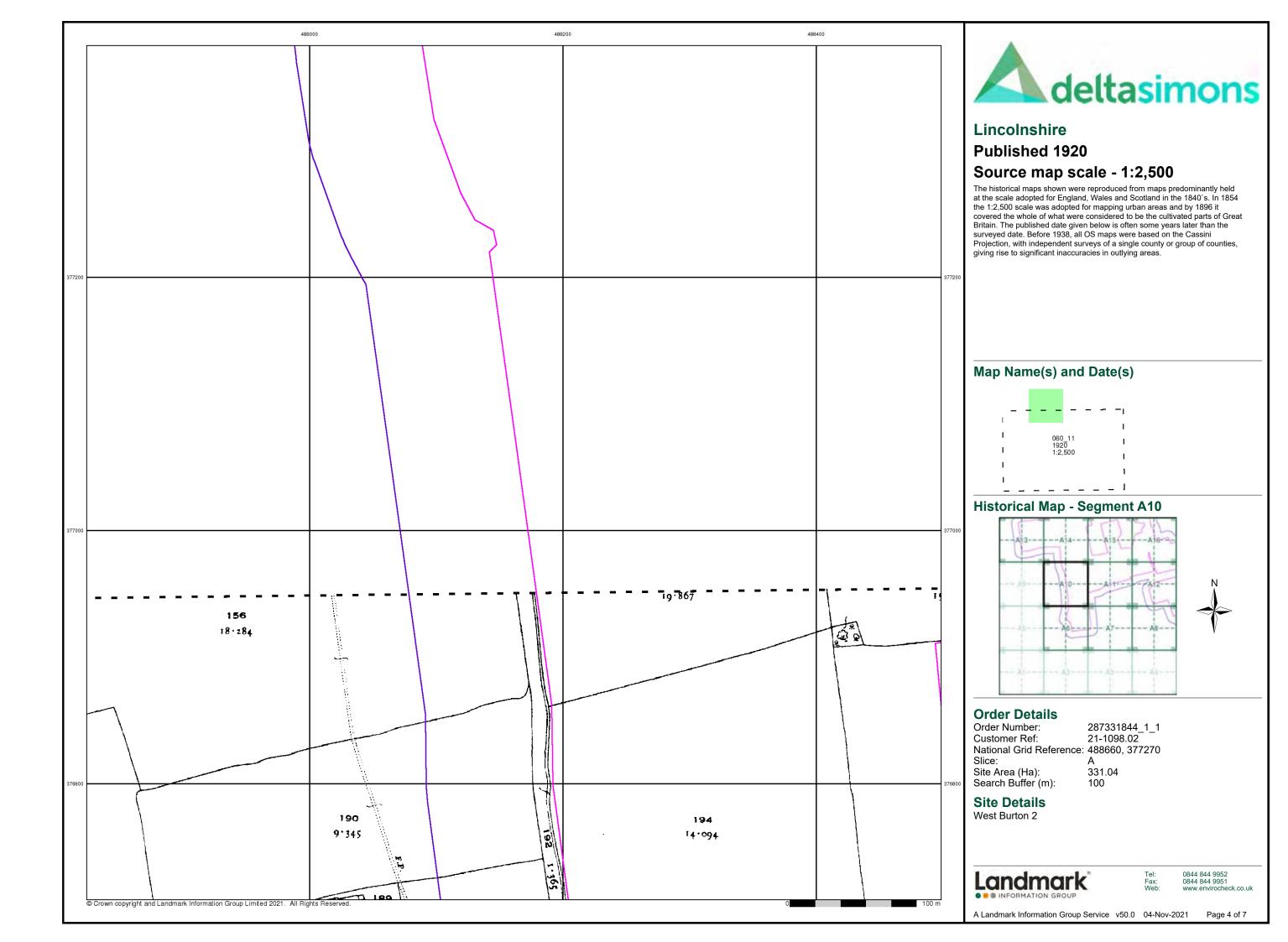


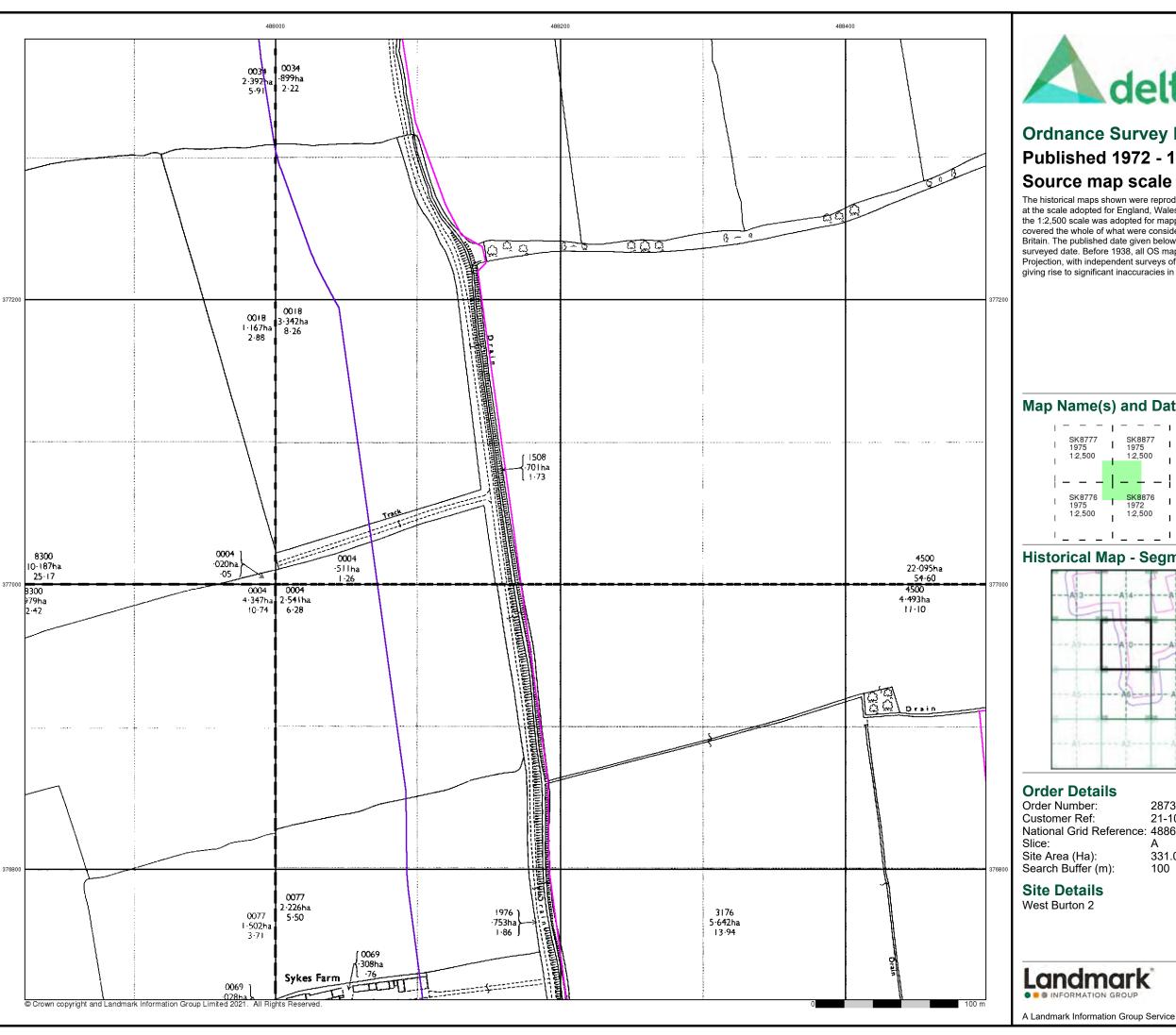
0844 844 9952 0844 844 9951

Page 1 of 7







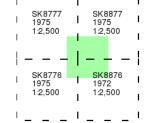




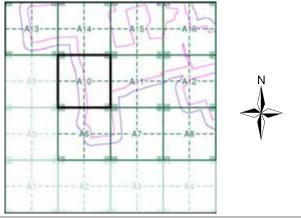
## **Ordnance Survey Plan Published 1972 - 1975** Source map scale - 1:2,500

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

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



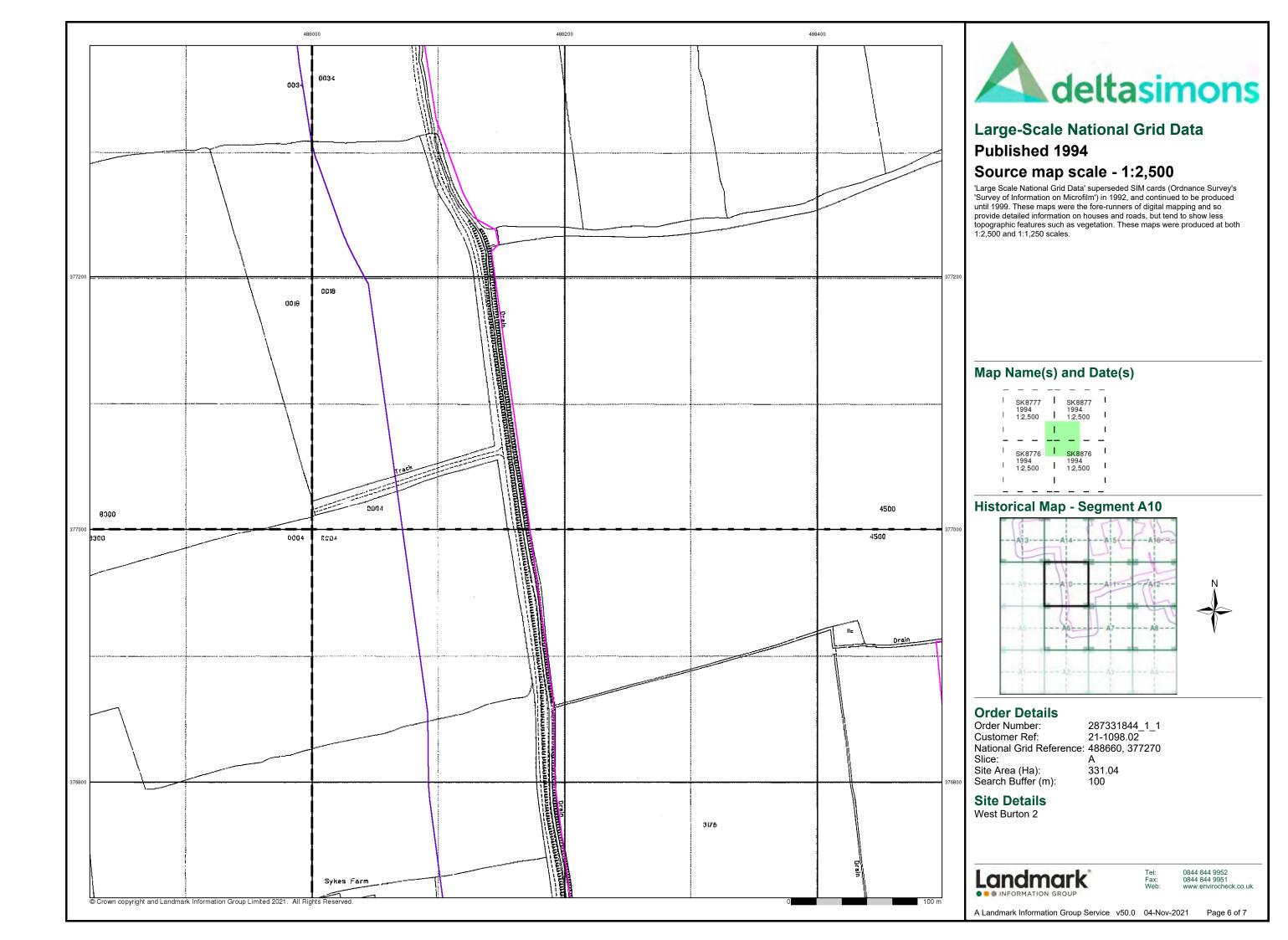
## **Historical Map - Segment A10**

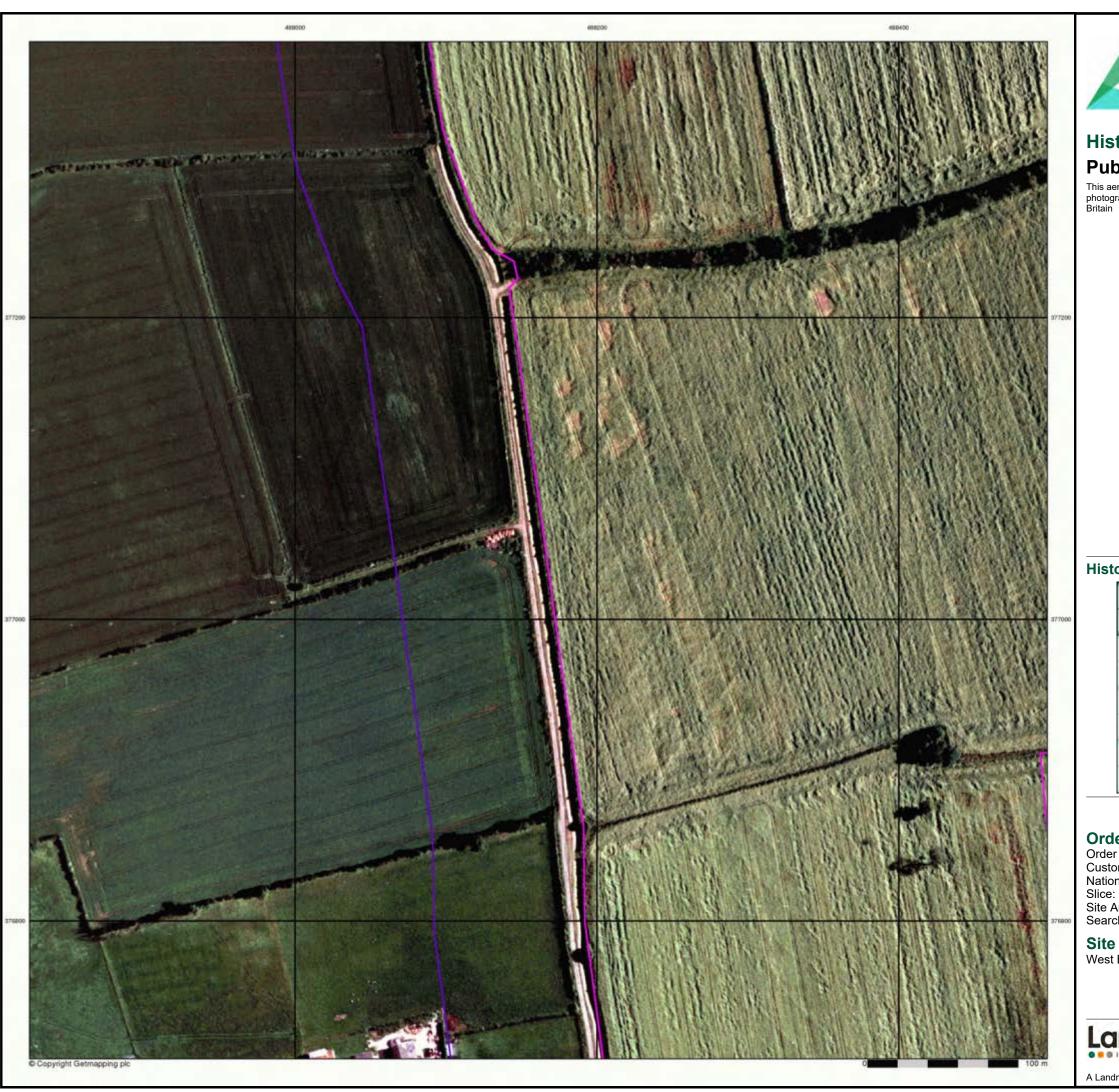


287331844\_1\_1 21-1098.02 National Grid Reference: 488660, 377270

331.04

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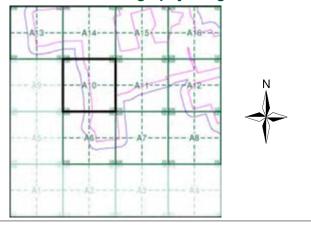






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

## **Historical Aerial Photography - Segment A10**



#### **Order Details**

Order Number: 287331844\_1\_1
Customer Ref: 21-1098.02
National Grid Reference: 488660, 377270

331.04 100 Site Area (Ha): Search Buffer (m):

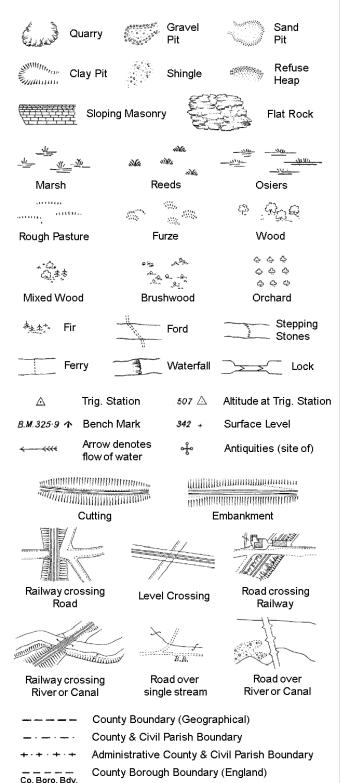
## **Site Details**

West Burton 2

Landmark\*

0844 844 9952 0844 844 9951 www.envirocheck.co.uk

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



County Burgh Boundary (Scotland)

S.P

T.C.B

Sl.

 $T_{T}$ 

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

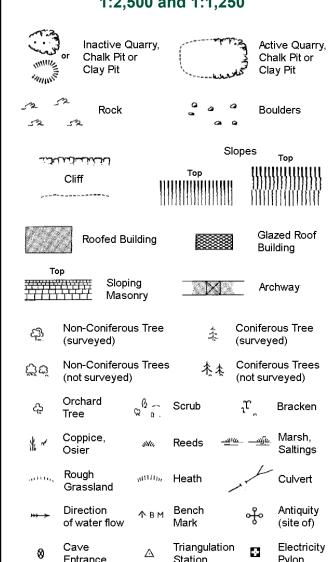
B.R.

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	WrPt,WrT	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

# 1:1,250

רוא <b>ל</b> וג	لانتانات	Slopes <sub>Top</sub>	
	Cliff	Тор [[[[[[[[[]]]]]]]	
	111111	100000000000000000000000000000000000000	
523	Rock	Rock (scattered)	
$ \mathcal{Q}^{\nabla} $	Boulders		
	Positioned Boulder	Scree	
<u>원</u>	Non-Coniferous Tree (surveyed)	Coniferous Tree (surveyed)	
ర్లోలే	Non-Coniferous Trees (not surveyed)	たま Coniferous Trees (not surveyed)	
දා	Orchard & a S	Scrub <sub>ໃ</sub> ້ Bracken	
* ~	Coppice, Av. F	Reeds <u>শাল শ্রা</u> Marsh, Saltings	
actities.	Rough ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Heath Culvert	
<b>&gt;&gt;&gt; →</b>		riangulation Antiquity Station (site of)	
E_TL	Electricity Transmiss	ion Line 🔀 Electricity Pylon	
\ <del> </del>	231.60m Bench Mark	Buildings with Building Seed	
	Roofed Building	Glazed Roof Building	
	• • • Civil parish/c	community boundary	
	— District boun	•	
_		•	
_ '	County boun		
٥	Boundary po		
,c		ereing symbol (note: these ar in opposed pairs or groups	
Bks	Barracks	P Pillar, Pole or Post	
Bty	Battery	PO Post Office	
Cemy	Cemetery	PC Public Convenience	
Chy	Chimney	Pp Pump	
Cis	Cistern	Ppg Sta Pumping Station	
Dismtd F	Rly Dismantled Railway	PW Place of Worship	
El Gen S	ta Electricity Generating	Sewage Ppg Sta Sewage Pumping Station	
EIP	Electricity Pole, Pillar	SB, S Br Signal Box or Bridge	

SP. SL

Spr

Tr

Wd Pp

Wks

Signal Post or Light

Works (building or area)

Spring

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Tank or Track

El Sub Sta Electricity Sub Station

Filter Bed

Gas Governer

**Guide Post** 

Manhole

Fountain / Drinking Ftn.

Gas Valve Compound

Mile Post or Mile Stone

FΒ

GVC

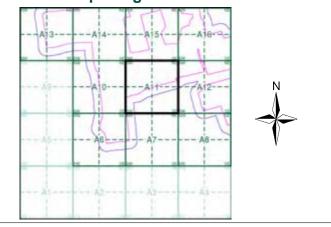
Fn/DFn



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

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Lincolnshire	1:2,500	1920	4
Ordnance Survey Plan	1:2,500	1972 - 1975	5
Additional SIMs	1:2,500	1986	6
Additional SIMs	1:2,500	1993	7
Large-Scale National Grid Data	1:2,500	1994	8
Historical Aerial Photography	1:2,500	1999	9

## **Historical Map - Segment A11**



#### **Order Details**

Order Number: 287331844\_1\_1 **Customer Ref:** 21-1098.02 National Grid Reference: 488660, 377270 Slice: Site Area (Ha): 331.04

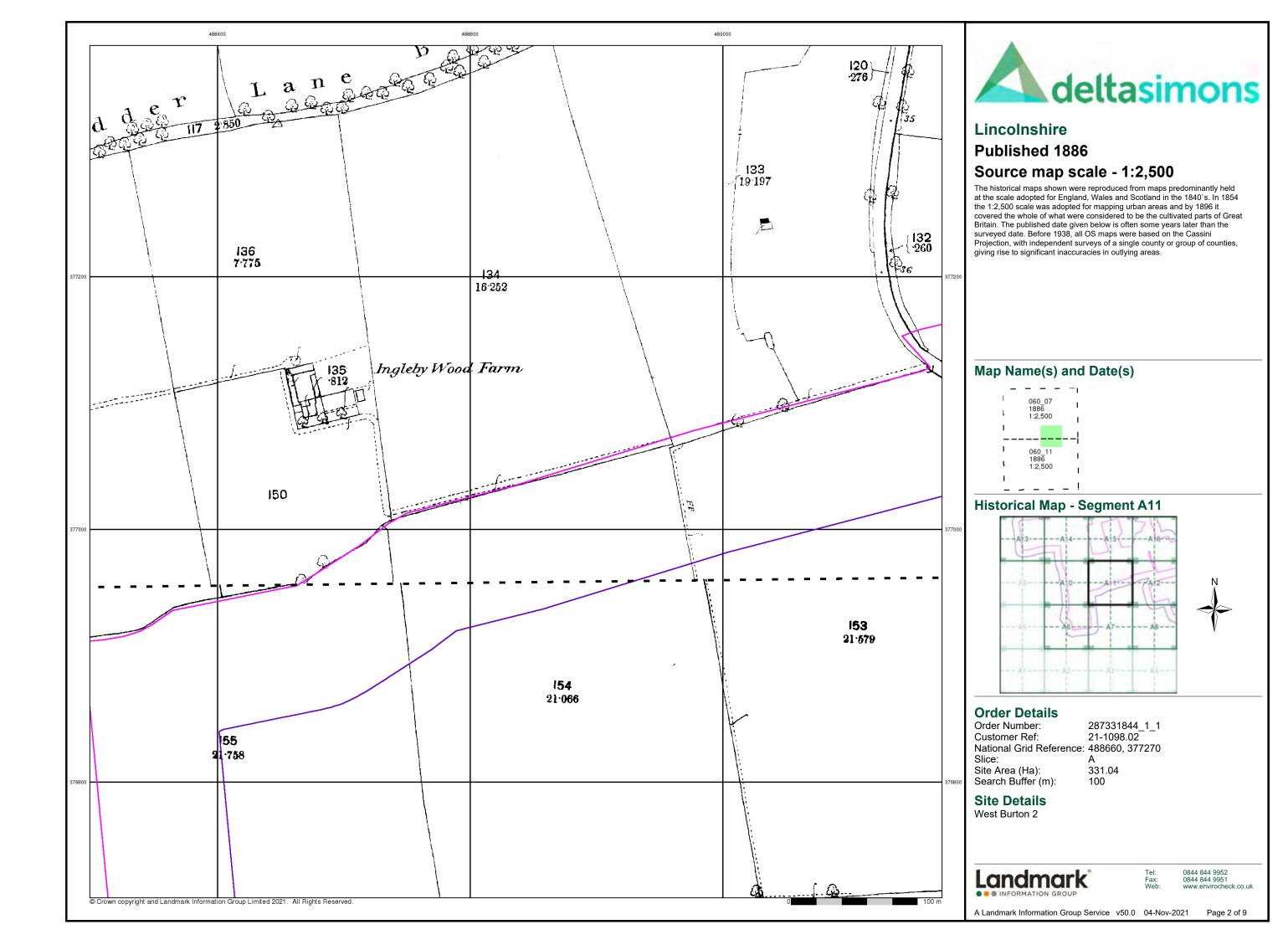
Search Buffer (m):

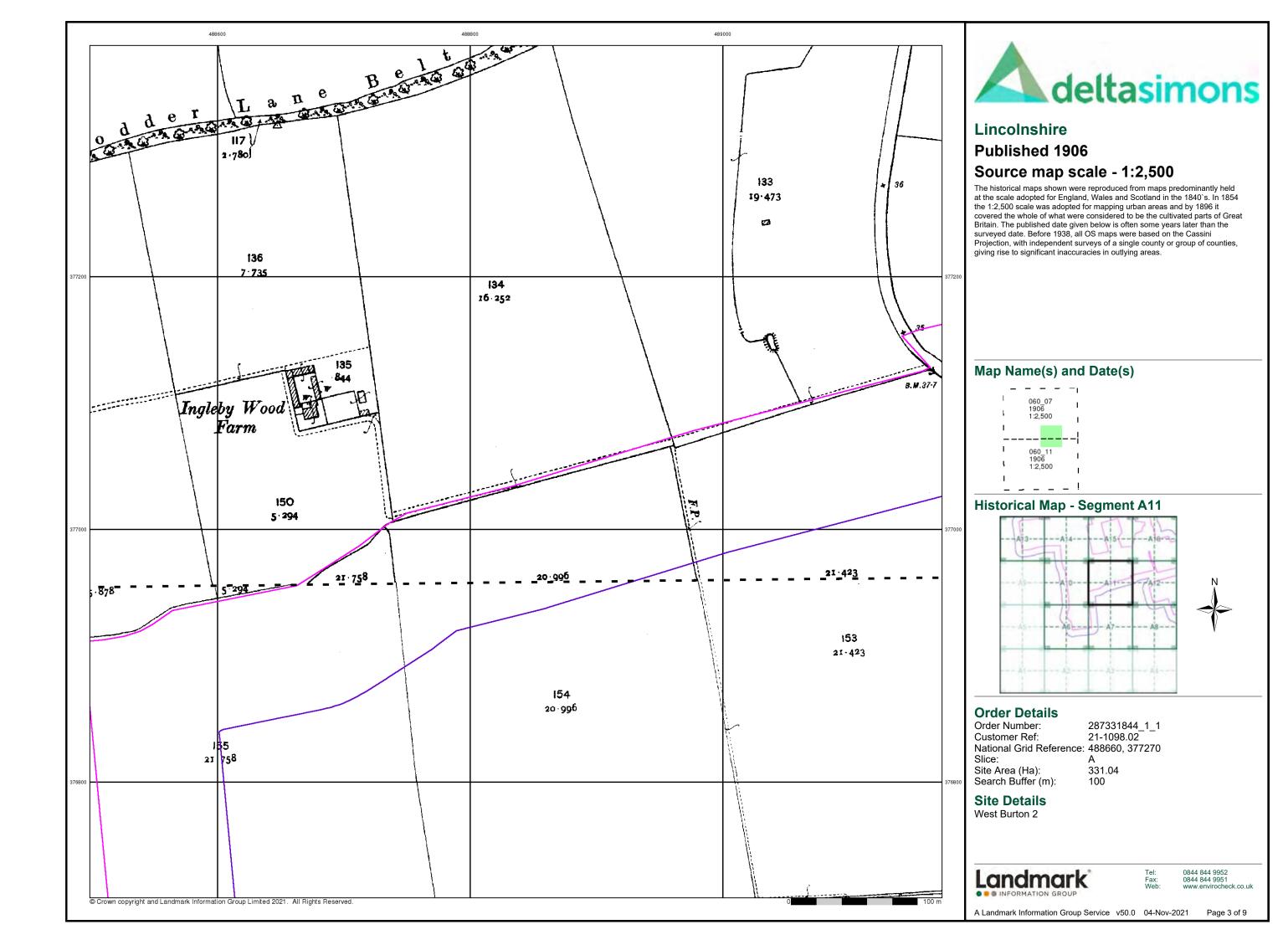
**Site Details** West Burton 2

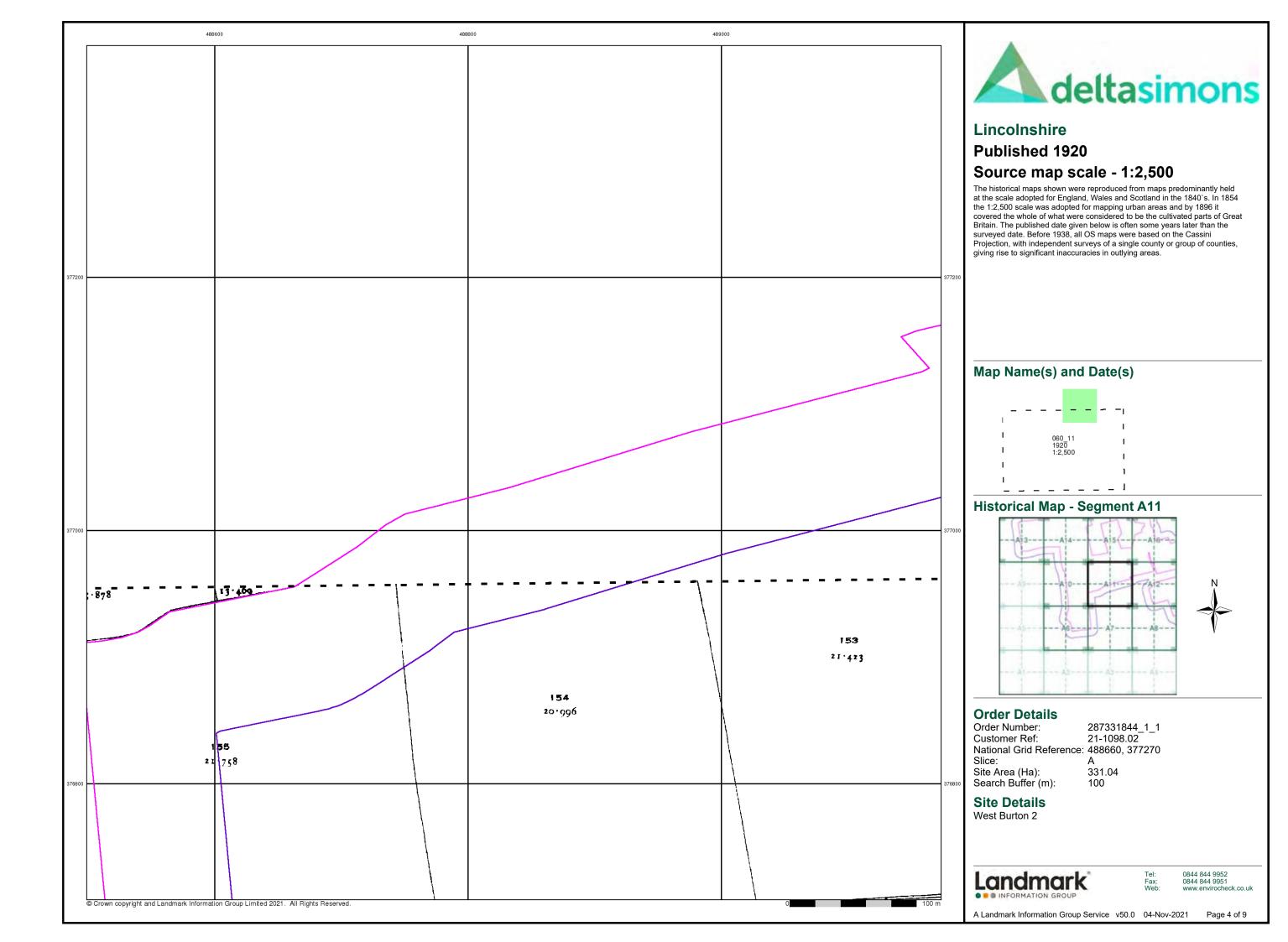


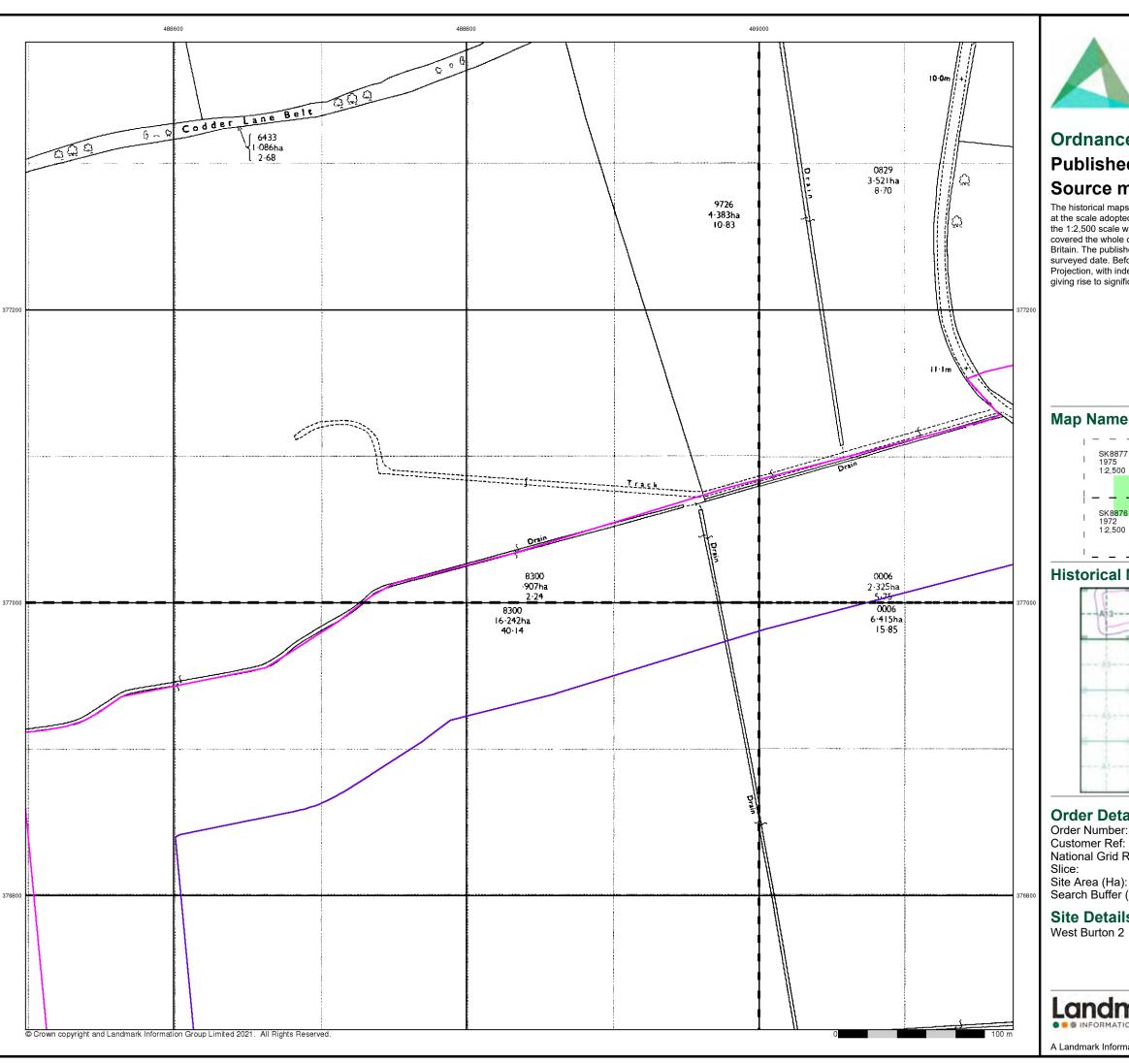
0844 844 9952 0844 844 9951

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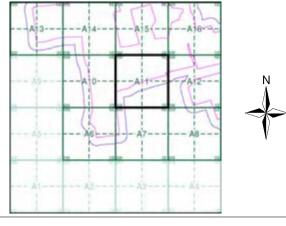
## **Ordnance Survey Plan Published 1972 - 1975** Source map scale - 1:2,500

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 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	SK8 197	5	ı	SK897 1975		ı
- 1	1:2,	500	ı	1:2,50	0	I
-			۱ -		_	
1	SK8 197		ı	SK897 1972	76	ı
- 1	1:2,	500	I	1:2,50	0	ı
- 1			١_		_	ı

## **Historical Map - Segment A11**



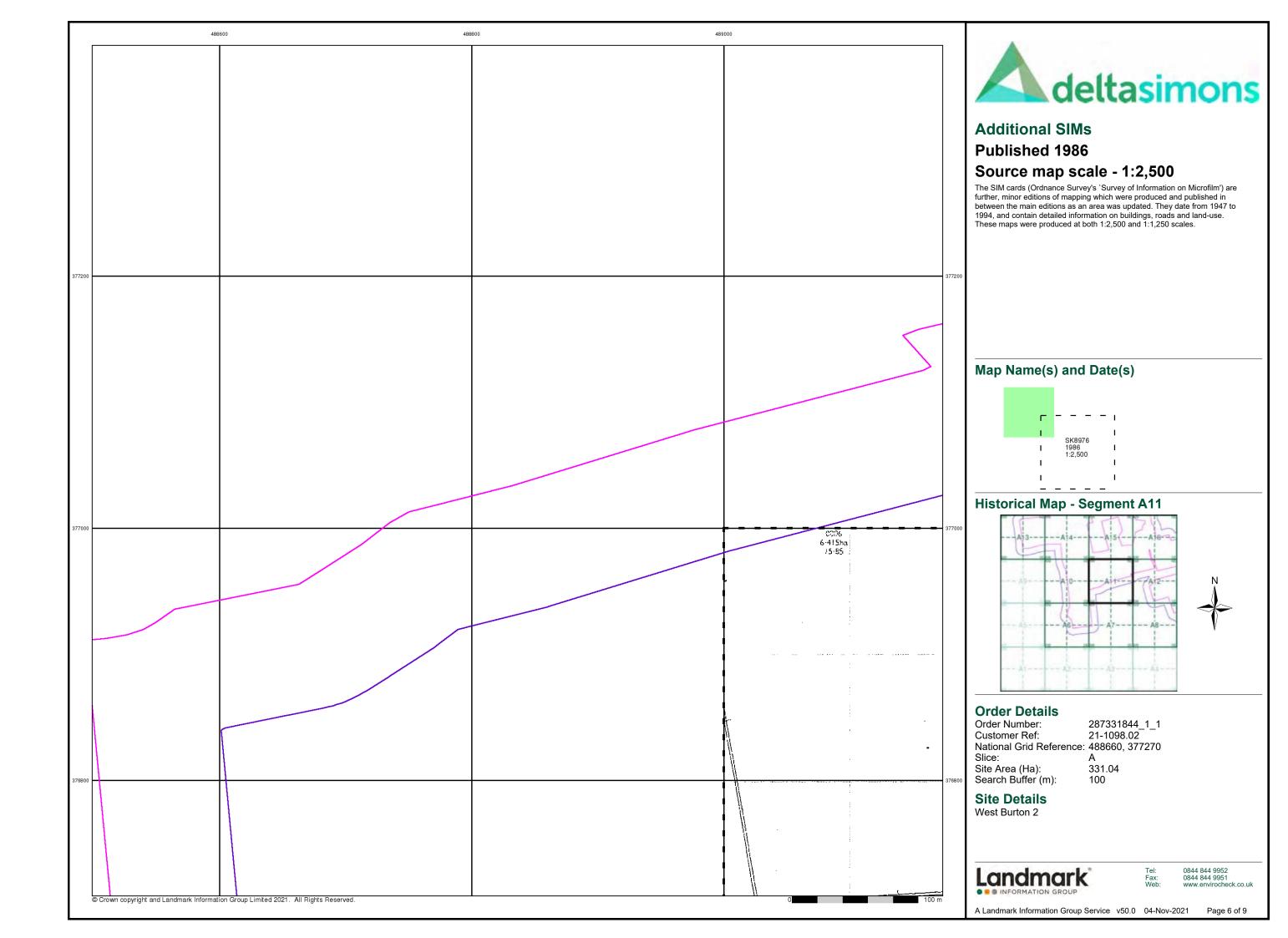
#### **Order Details**

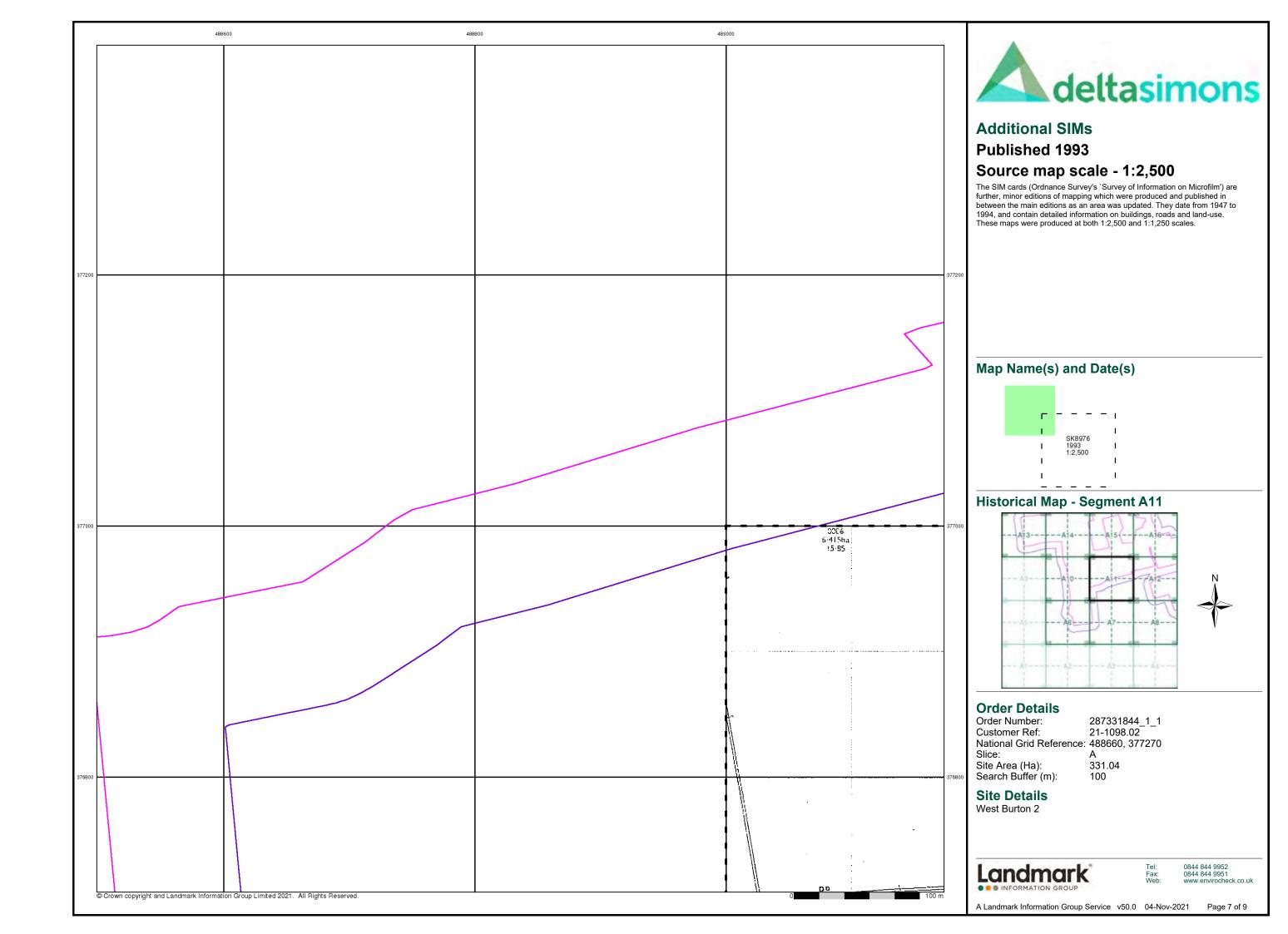
Order Number: 287331844\_1\_1 21-1098.02 Customer Ref: National Grid Reference: 488660, 377270 Slice: Site Area (Ha): Search Buffer (m): 331.04

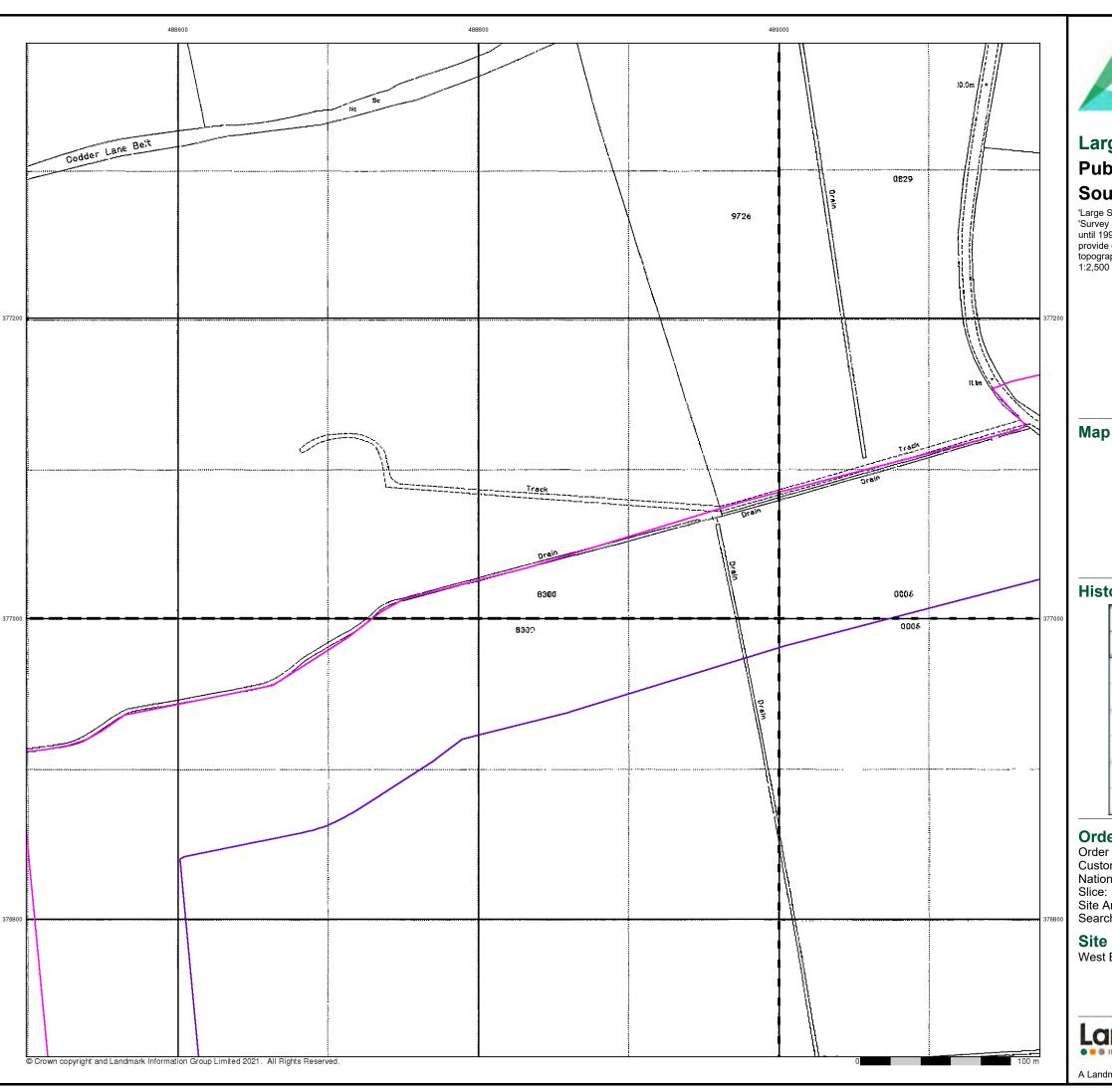
**Site Details** 

Landmark

0844 844 9951 www.envirocheck.co.uk









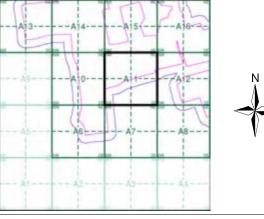
## **Large-Scale National Grid Data** Published 1994 Source map scale - 1:2,500

'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	SK8		- 1	SK8977	ı
1	199		- 1	1994 1:2,500	ı
1			-1		ı
_	_	_			_
1	SK8	876	1	SK8976	ı
] ]	SK8 199 1:2,5	4	1	SK8976 1994 1:2,500	ı
 	199	4	 	1994	1

### **Historical Map - Segment A11**



#### **Order Details**

287331844\_1\_1 21-1098.02 Order Number: Customer Ref: National Grid Reference: 488660, 377270 331.04

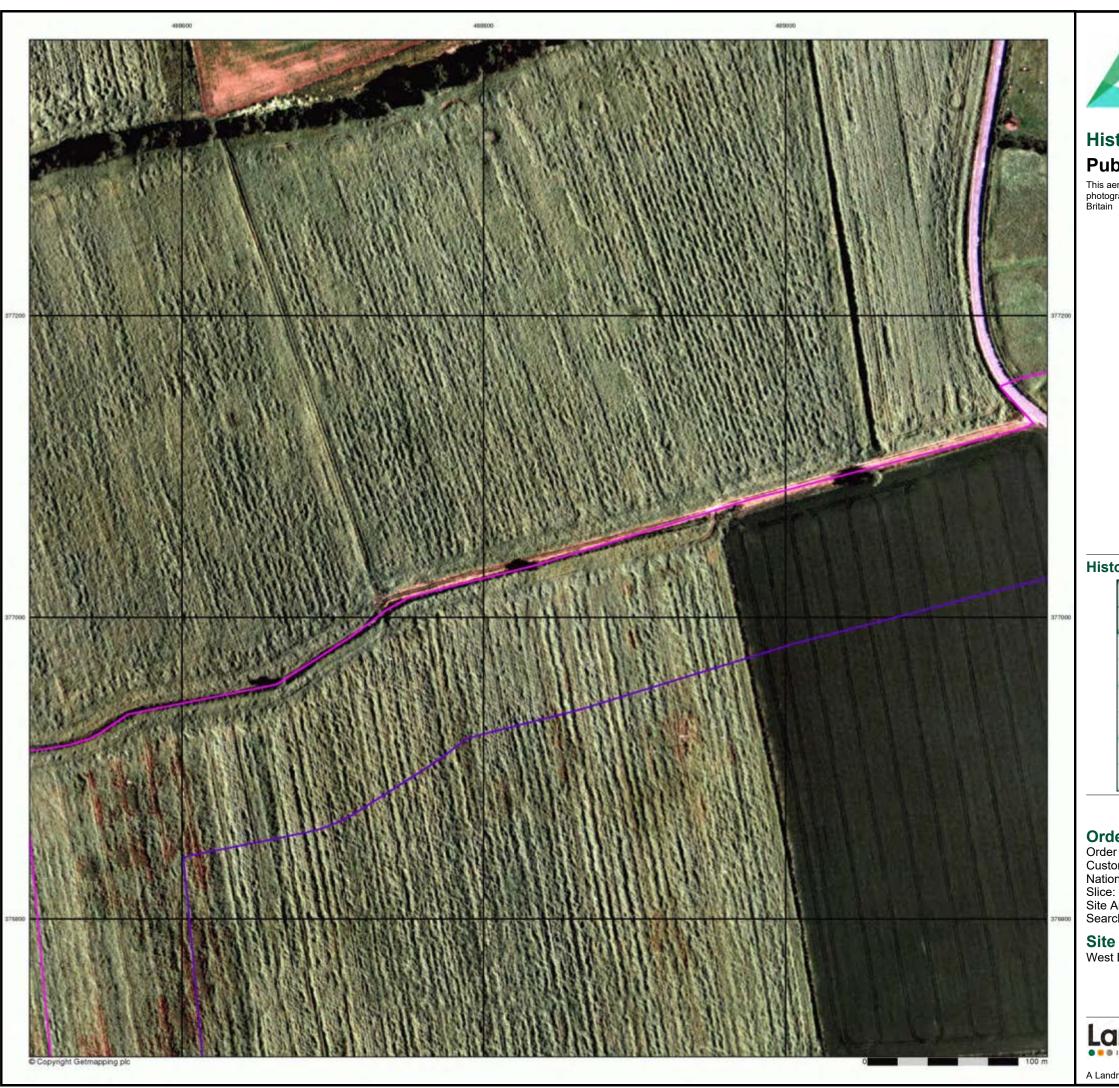
Site Area (Ha): Search Buffer (m):

### **Site Details**

West Burton 2



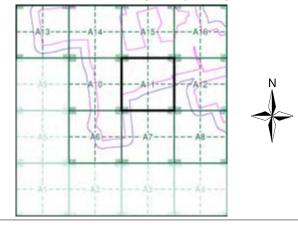
0844 844 9951 www.envirocheck.co.uk





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: 287331844\_1\_1
Customer Ref: 21-1098.02
National Grid Reference: 488660, 377270

Site Area (Ha): Search Buffer (m): 331.04

## **Site Details**

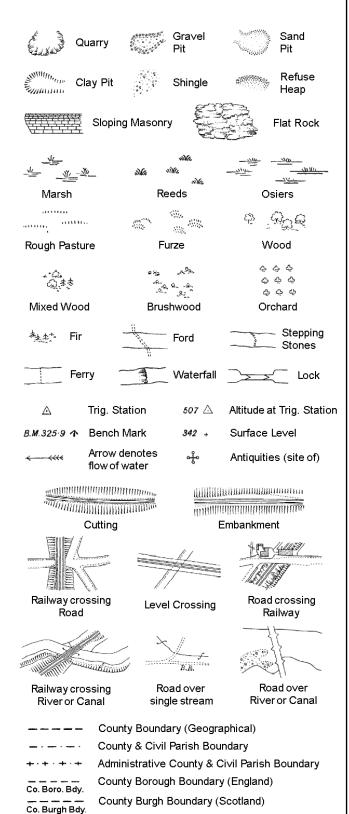
West Burton 2

Landmark\*

0844 844 9952 0844 844 9951 www.envirocheck.co.uk

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

### **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

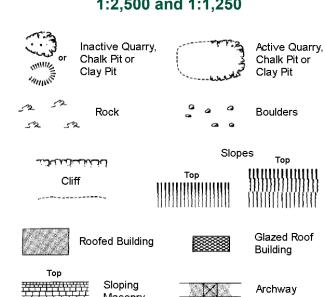
Well

S.P

Sl.

 $T_{T_i}$ 

### 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



<u>කු</u>	Non-Conifero (surveyed)	us Tree	*	Coniferous Tre (surveyed)	
ర్లోద	Non-Conifero (not surveyed		* **	Conifer (not sur	ous Trees veyed)
දා	Orchard Tree	Q (a.	Scrub	$^{5}\!\mathcal{U}_{\sim}$	Bracken
* ~	Coppice, Osier	alVis,	Reeds =	11cc — 77)cc	Marsh, Saltings

Masonry

北一	Coppice, Osier	siVi,	Reeds =	<u> </u>	Saltings
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Rough Grassland	mun,	Heath	1	Culvert
<del>&gt;&gt;&gt;</del>	Direction of water flow	∱ВМ	Bench Mark	ઌૢૺૺૺૺ૰	Antiquity (site of)
8	Cave Entrance	Δ	Triangulatio Station	on 🖪	Electricity Pylon
ET!	Electrici	ty Trans	mission Line	<b>)</b>	

	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

~~~~	(1)(V-1-(1)		Sle	opes	Тор
	Clift	1111	Тор	!!!!!!!	!!!!!!!!!!!
					(((((((()
72°	Rock		23	Rock (so	cattered)
$\triangle$	Boulders		Δ	Boulders	(scattered)
	Positioned	Boulder		Scree	
2월	Non-Conif (surveyed	erous Tree )	\$	Conifero	
ζģά	Non-Conif (not surve	erous Trees yed)	大大	Conifero	ous Trees /eyed)
<del>ڳ</del>	Orchard Tree	Q a.	Scrub	'n,	Bracken
* ~	Coppice, Osier	sNu,	Reeds 🛥	1 <u>100 — M</u> E	Marsh, Saltings
actities.	Rough Grassland	$uuuu_{t_t}$	Heath	1	Culvert
<del>*** &gt;</del>	Direction of water flo	Δ	Triangulation Station	, ÷	Antiquity (site of)
_ETL_	_ Electric	ity Transmis	ssion Line	$\boxtimes$	Electricity Pylon
\ <del> </del>	231.60m E	Bench Mark	7	Building Building	gs with g Seed
	Roofe	ed Building		29	azed Roof iilding
-	· · ·	Civil parish	/community b undary	ooundary	
_ •		County bou	ındary		
c	,	Boundary p	ost/stone		
۶		-	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		Ppg Sta	Pumping	Station
Dismtd F	Rly Disman	tled Railway	PW	Place of\	Worship
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 Pe	ost or Light
			_		

Filter Bed

Fn / D Fn Fountain / Drinking Ftn.

Gas Governer

**Guide Post** 

Manhole

Gas Valve Compound

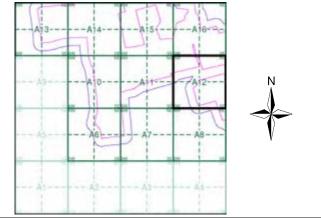
Mile Post or Mile Stone



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

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Lincolnshire	1:2,500	1920	- 4
Ordnance Survey Plan	1:2,500	1972 - 1975	
Additional SIMs	1:2,500	1986	- 6
Additional SIMs	1:2,500	1993	7
Large-Scale National Grid Data	1:2,500	1994	8
Historical Aerial Photography	1:2,500	1999	9

## **Historical Map - Segment A12**



#### **Order Details**

Order Number: 287331844\_1\_1 Customer Ref: 21-1098.02 National Grid Reference: 488660, 377270 Slice:

Site Area (Ha):

331.04 Search Buffer (m):

**Site Details** West Burton 2

Tank or Track

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

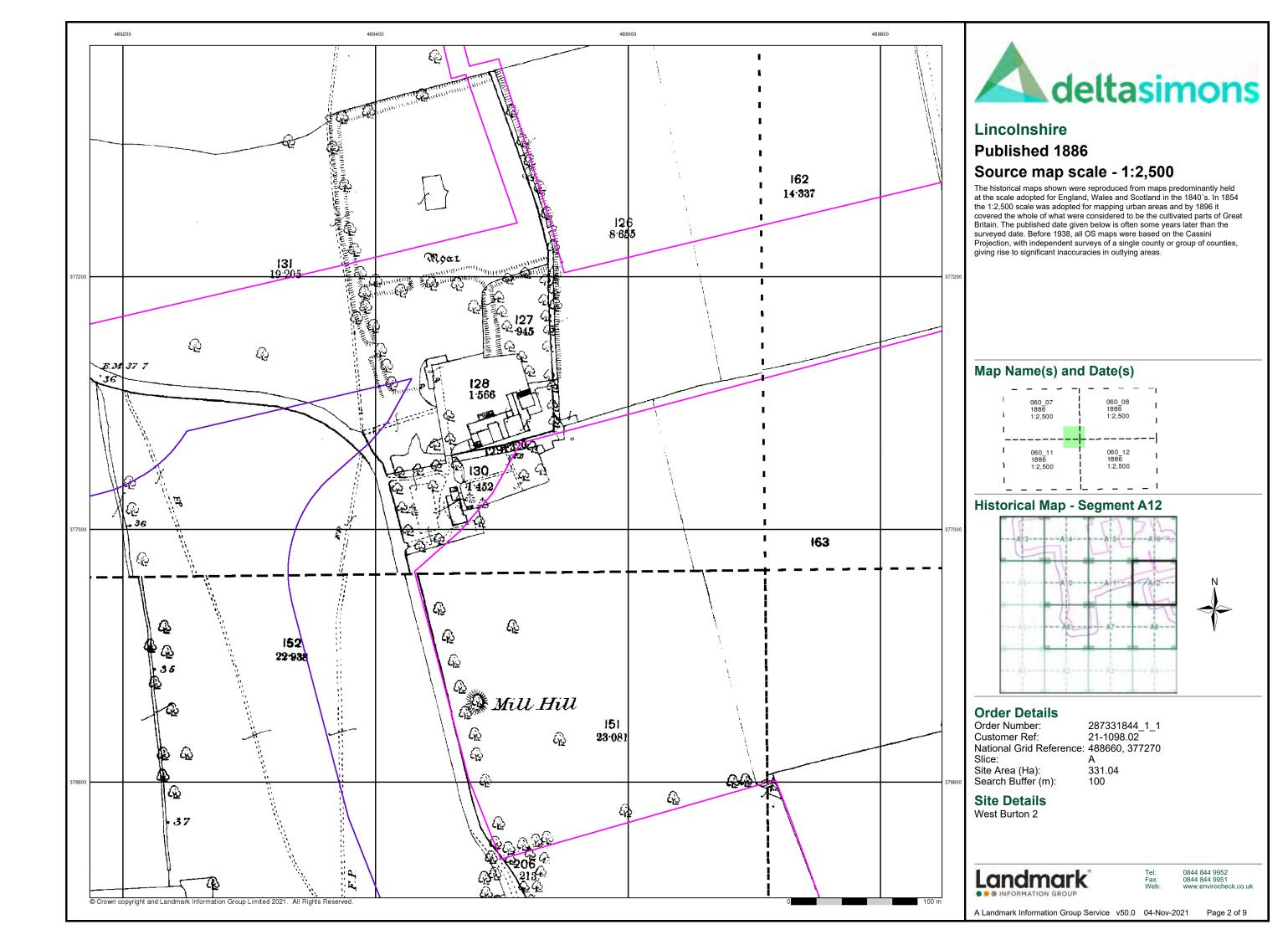
Tr

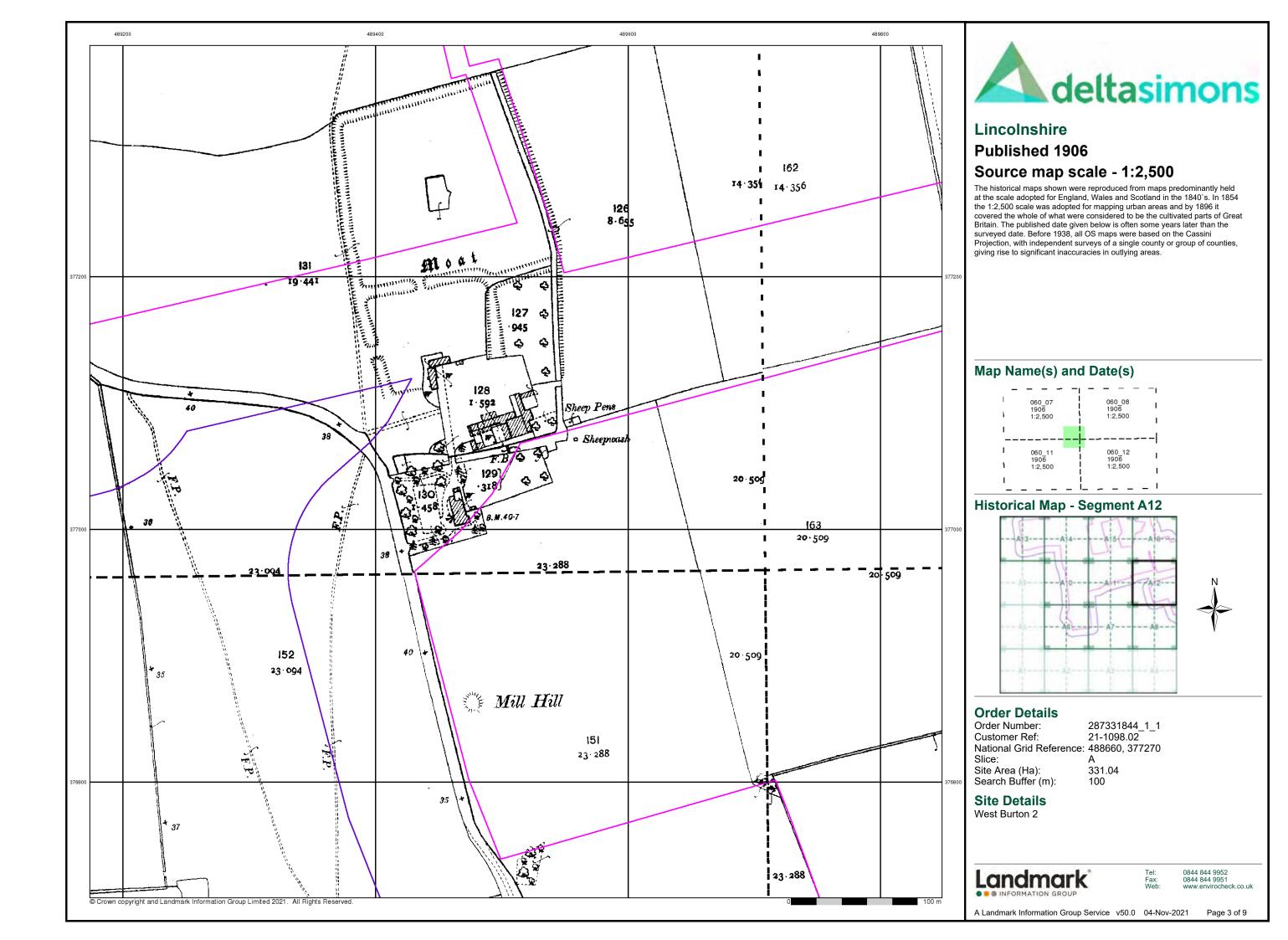
Wd Pp

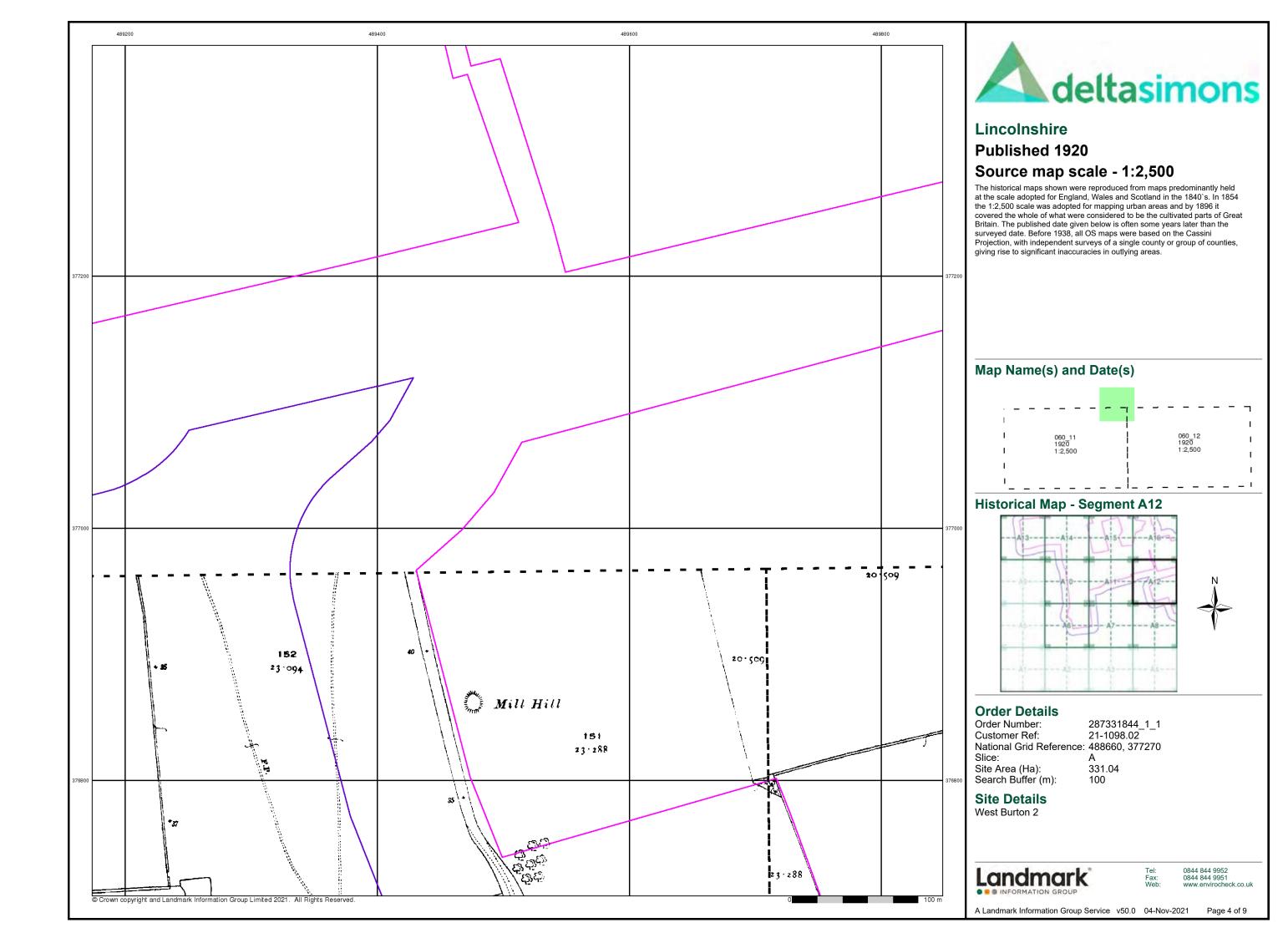
Landmark

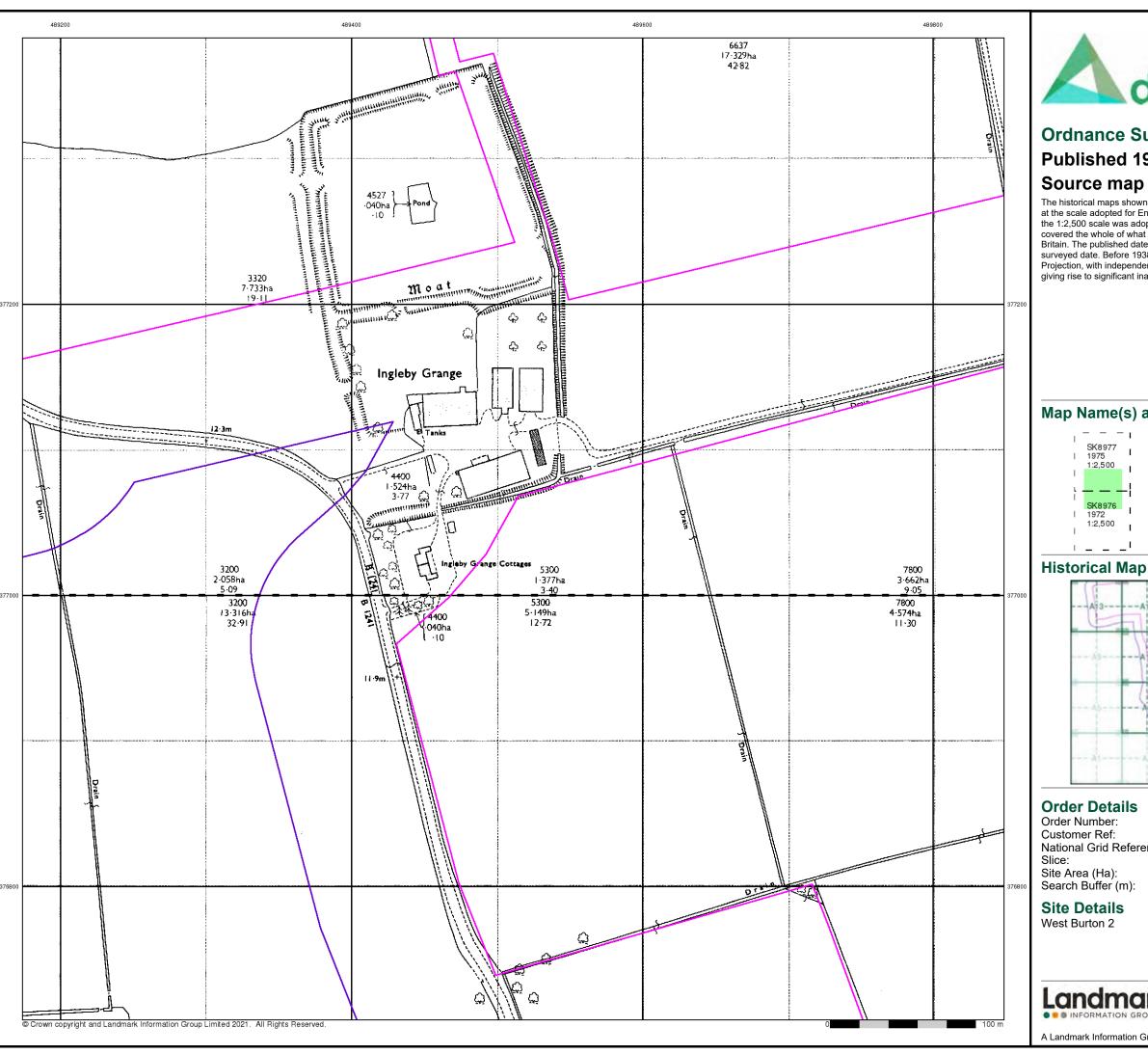
0844 844 9952 0844 844 9951

Page 1 of 9









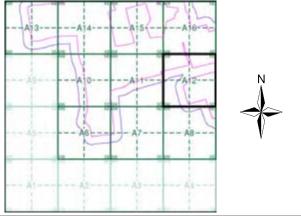


## **Ordnance Survey Plan Published 1972 - 1975** Source map scale - 1:2,500

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 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**

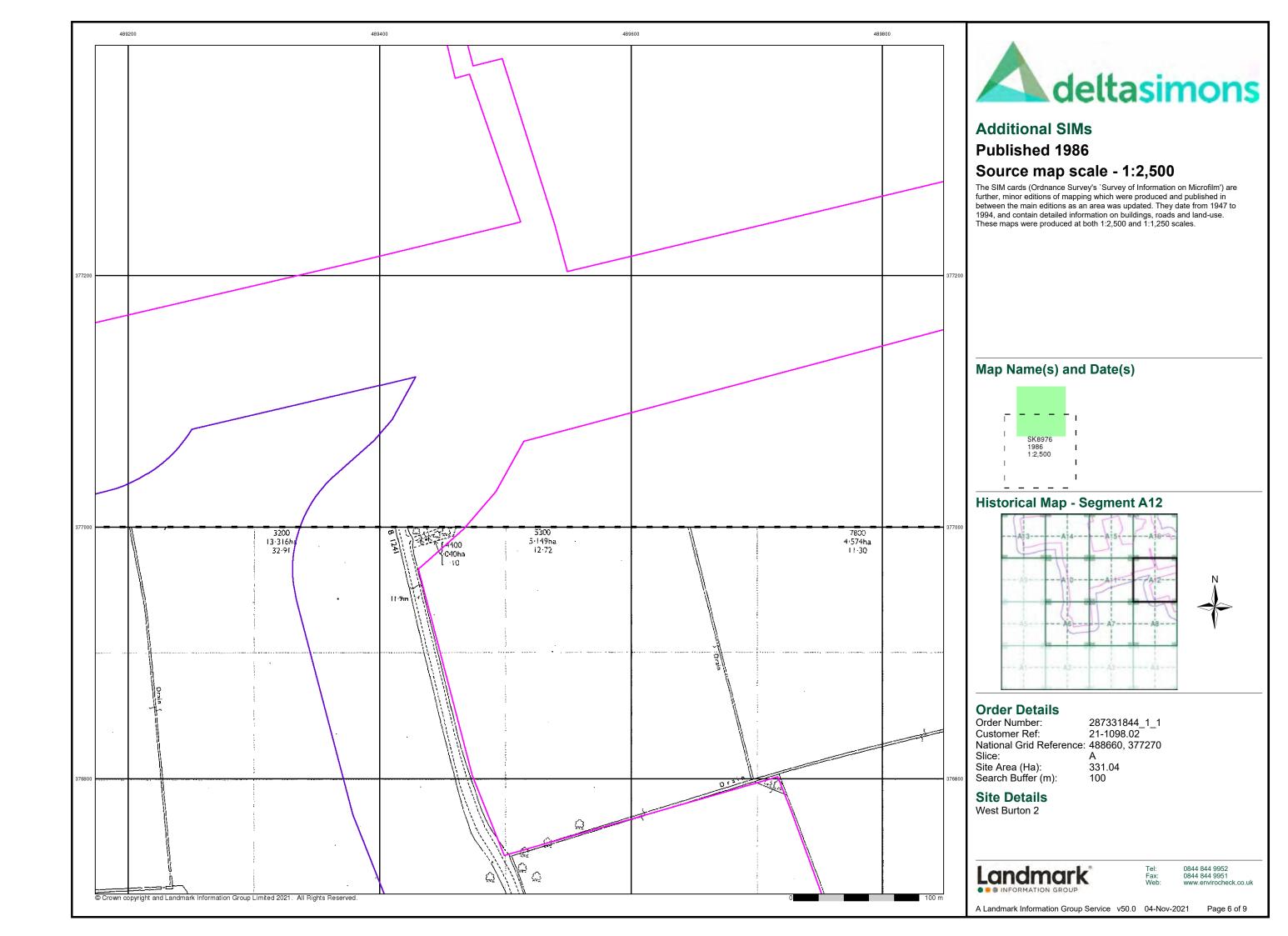


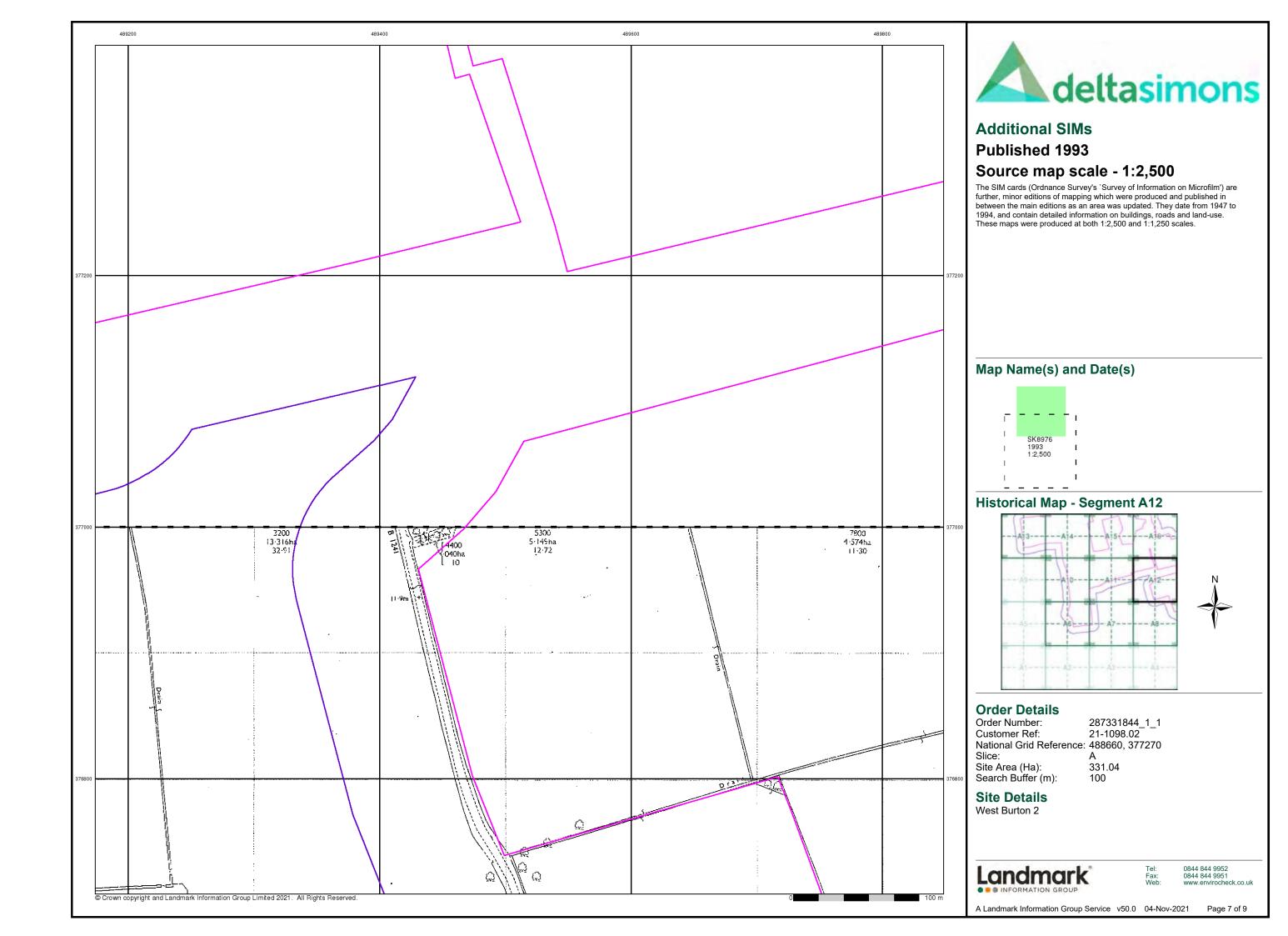
287331844\_1\_1 21-1098.02 National Grid Reference: 488660, 377270

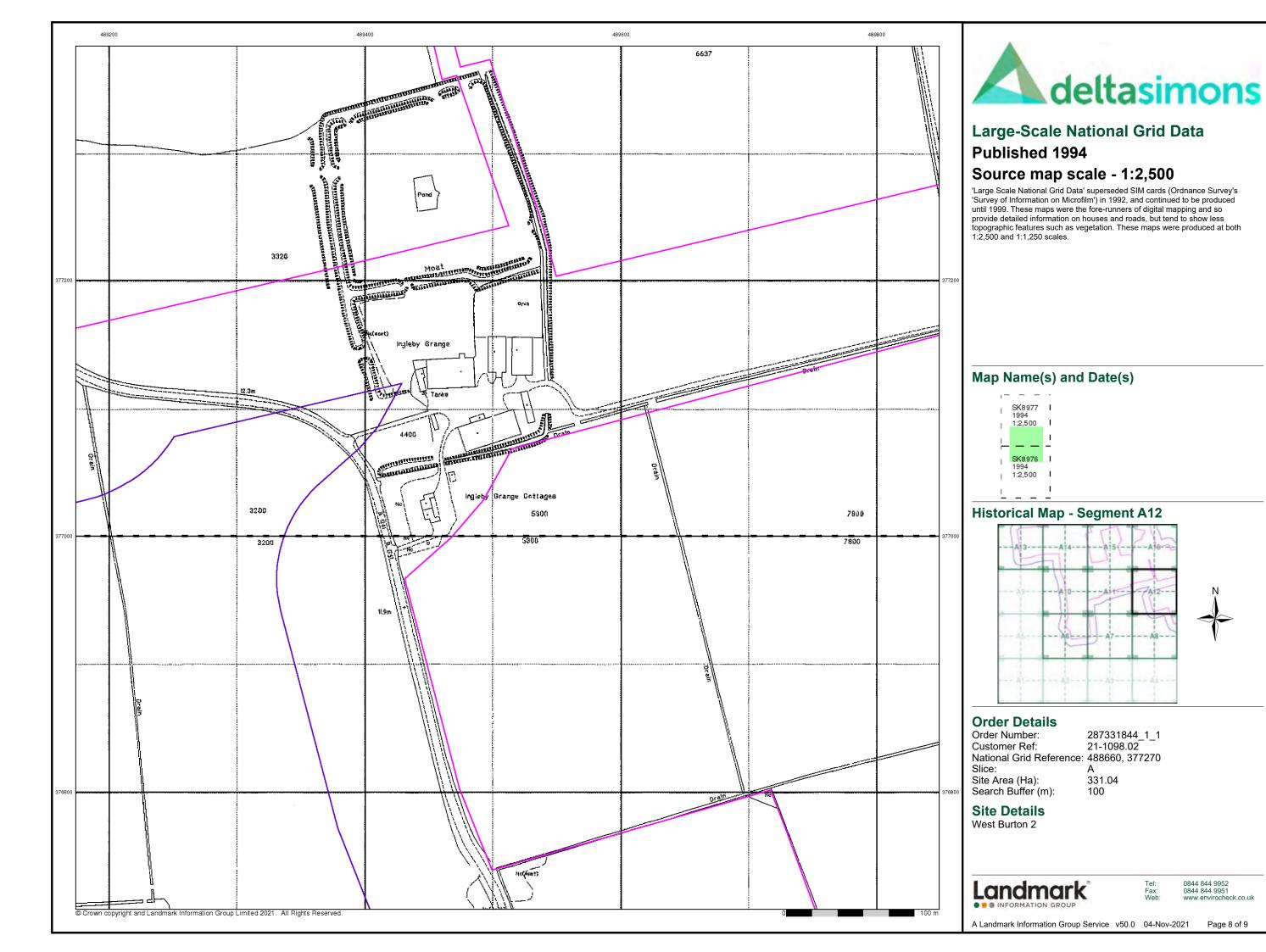
331.04



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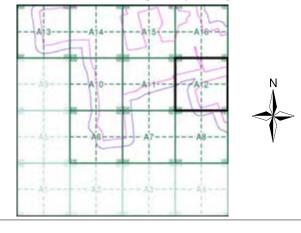






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

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



#### **Order Details**

Order Number: 287331844\_1\_1
Customer Ref: 21-1098.02
National Grid Reference: 488660, 377270

Site Area (Ha): Search Buffer (m): 331.04 100

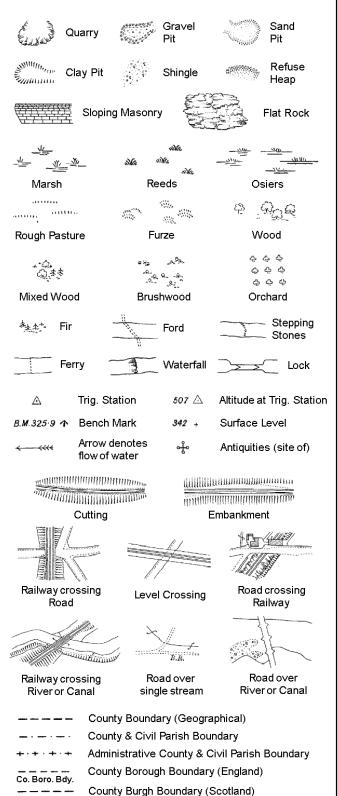
**Site Details** 

West Burton 2

Landmark\*

0844 844 9952 0844 844 9951 www.envirocheck.co.uk

## **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

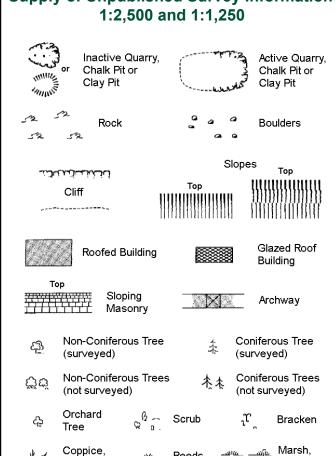
B.R.

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



Reeds Saltings Rough Culvert Grassland Direction Bench Antiquity of water flow (site of) Electricity Cave Triangulation ÷ Station

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

Fn/DFn

GVC

MP, MS

Fountain / Drinking Ftn.

Gas Valve Compound

Mile Post or Mile Stone

Gas Governer

**Guide Post** 

Manhole

Tank or Track

Trough

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

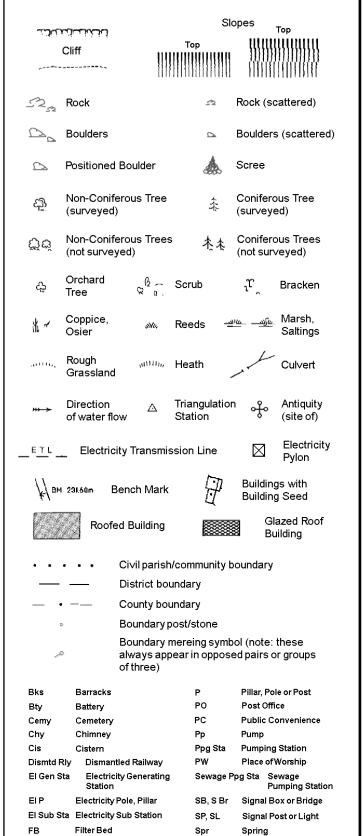
Works (building or area)

Tr

Wd Pp

Wks

# 1:1,250

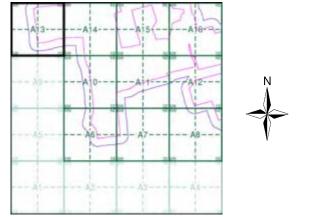




### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Lincolnshire	1:2,500	1920	4
Ordnance Survey Plan	1:2,500	1975	5
Large-Scale National Grid Data	1:2,500	1994	6
Historical Aerial Photography	1:2,500	1999	7

## **Historical Map - Segment A13**



#### **Order Details**

Order Number: 287331844\_1\_1 21-1098.02 **Customer Ref:** National Grid Reference: 488660, 377270 Slice: 331.04

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

**Site Details** West Burton 2

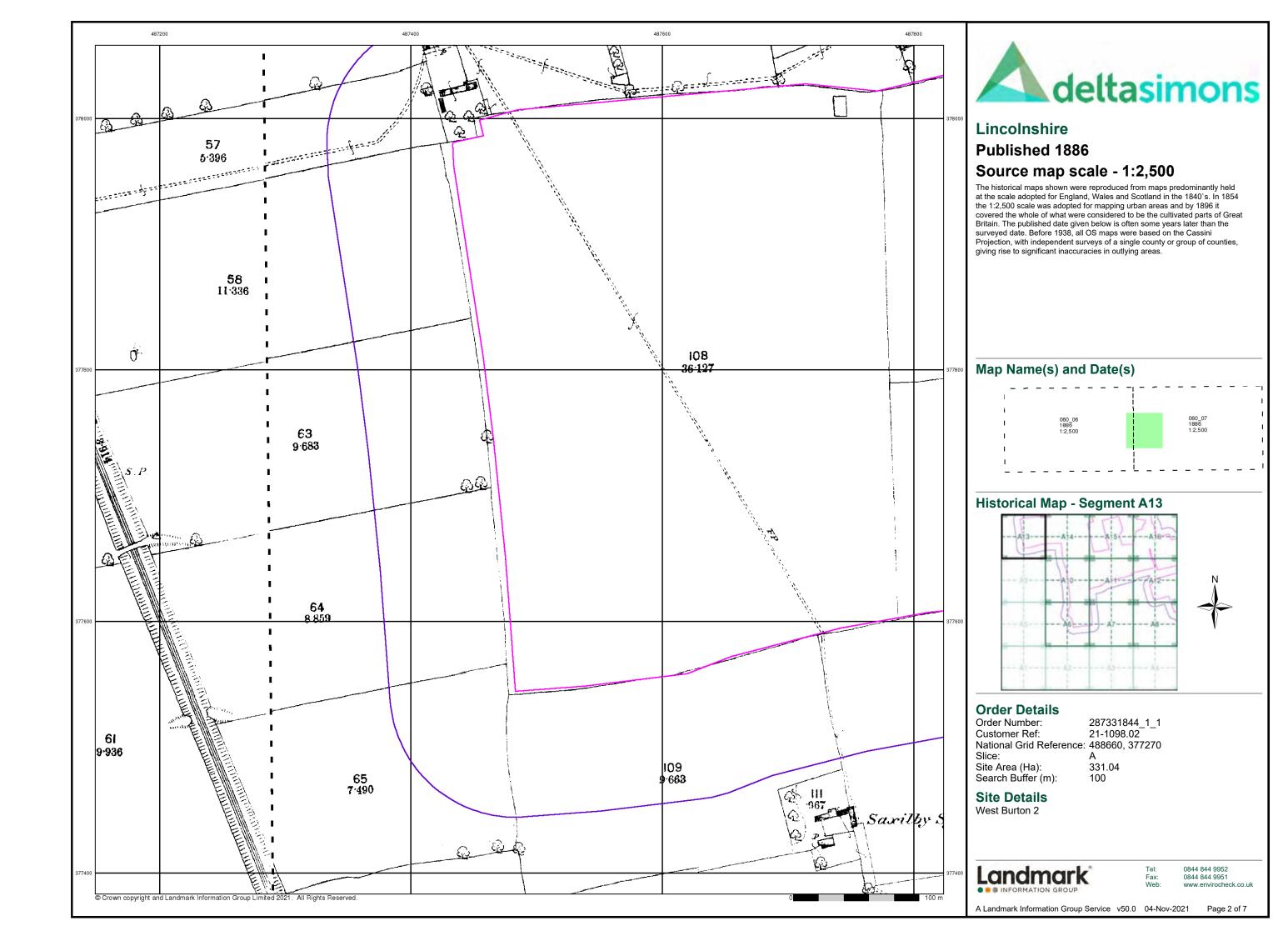


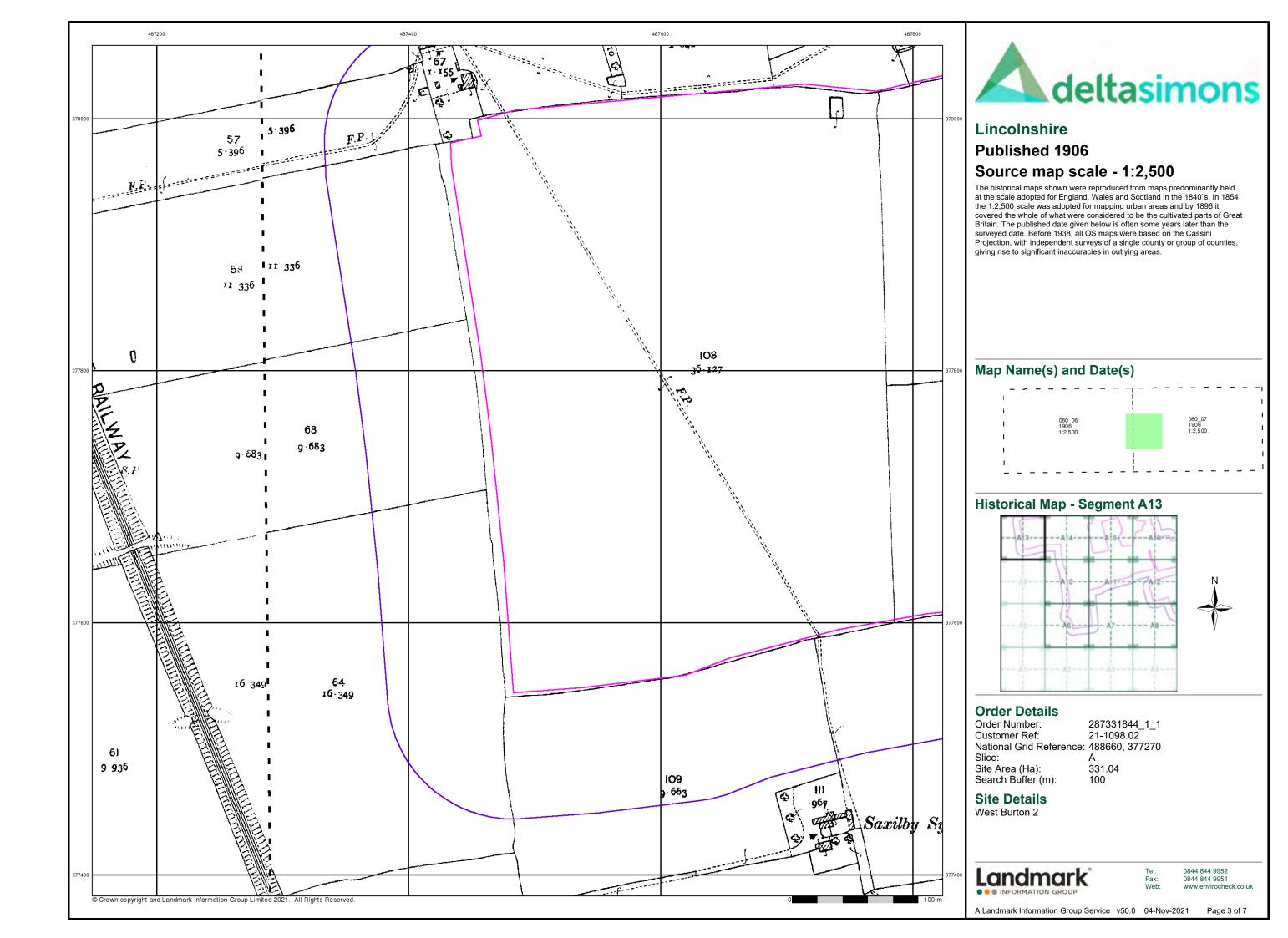
0844 844 9952

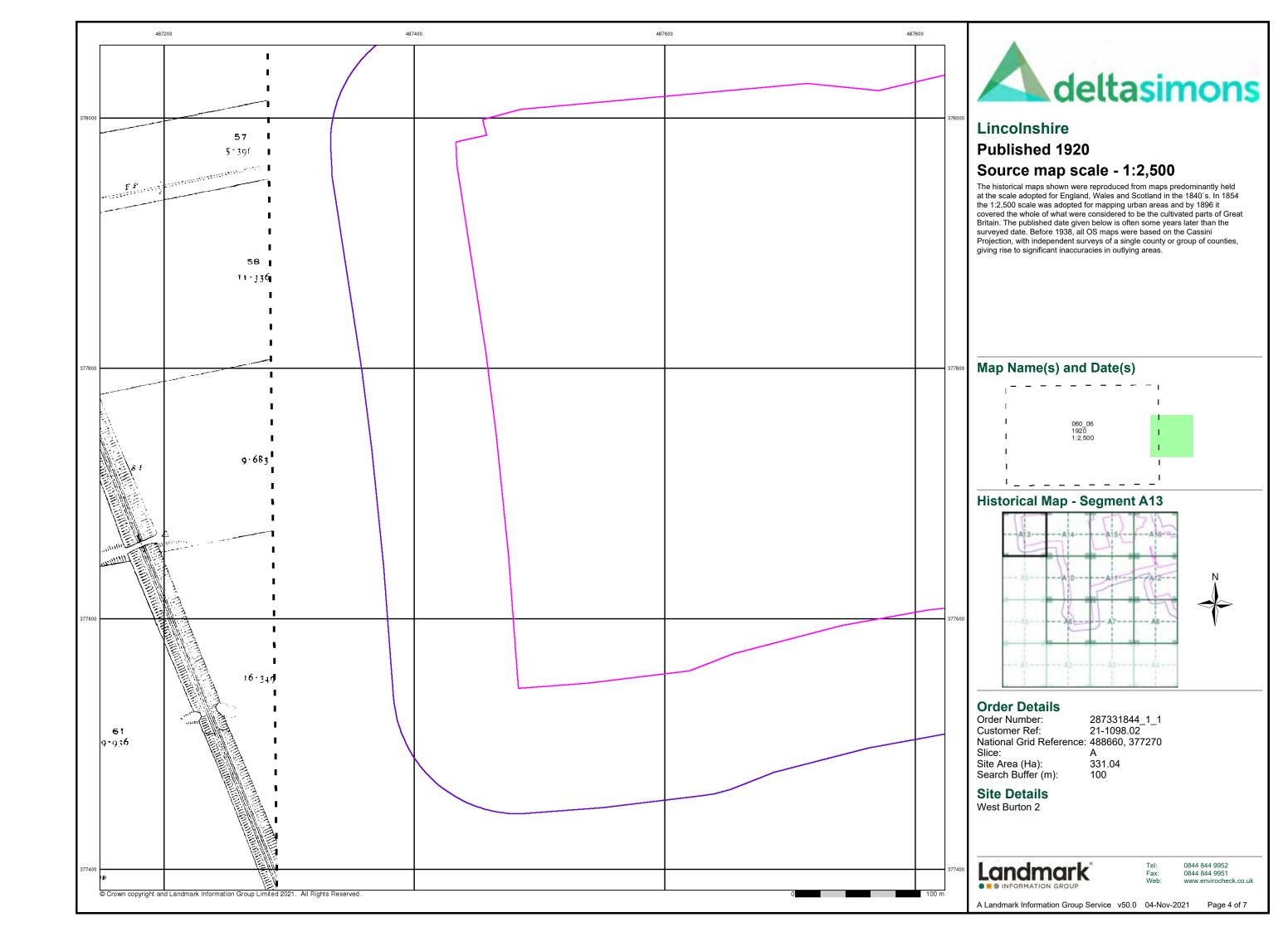
Page 1 of 7

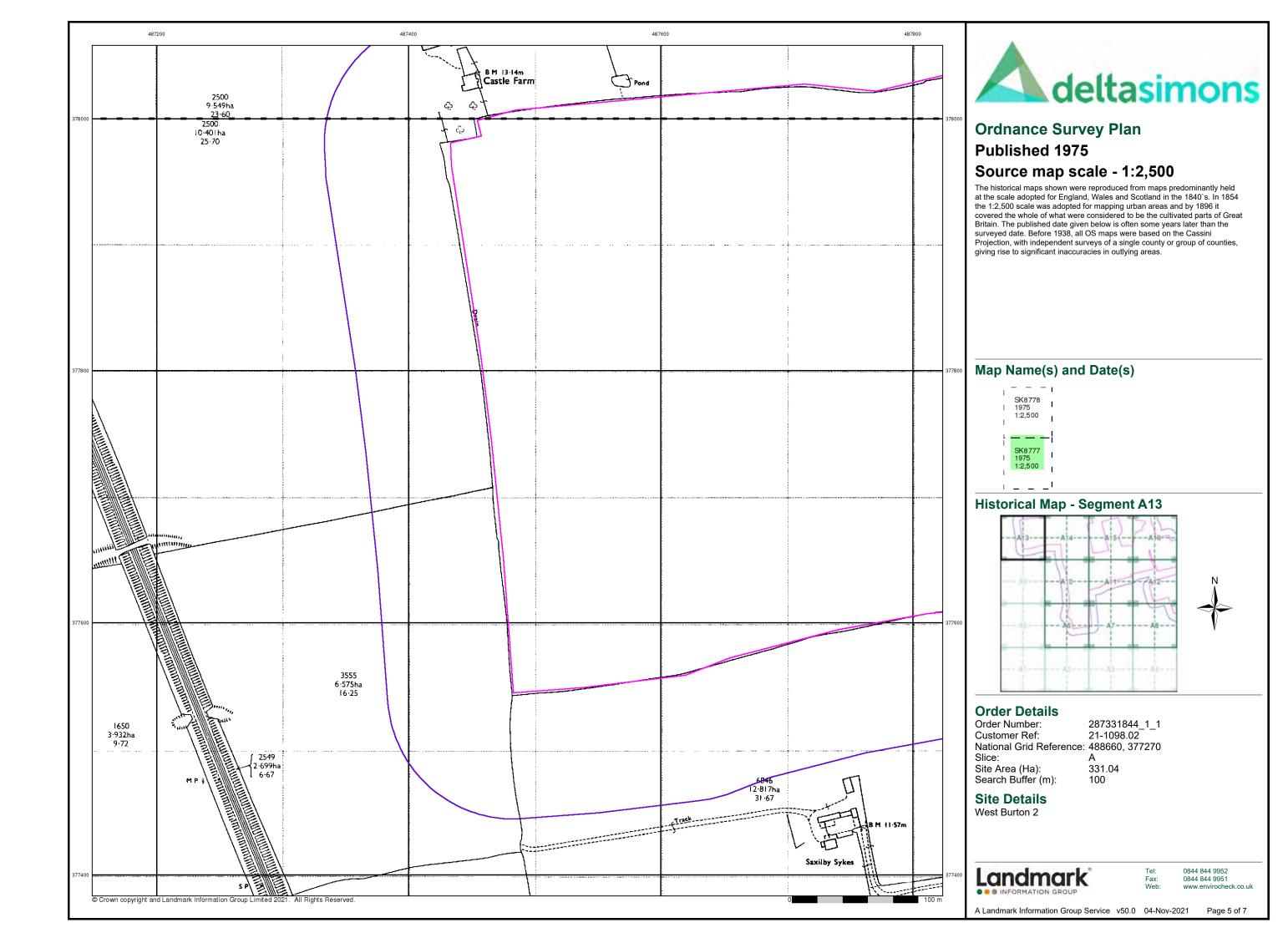
A Landmark Information Group Service v50.0 04-Nov-2021

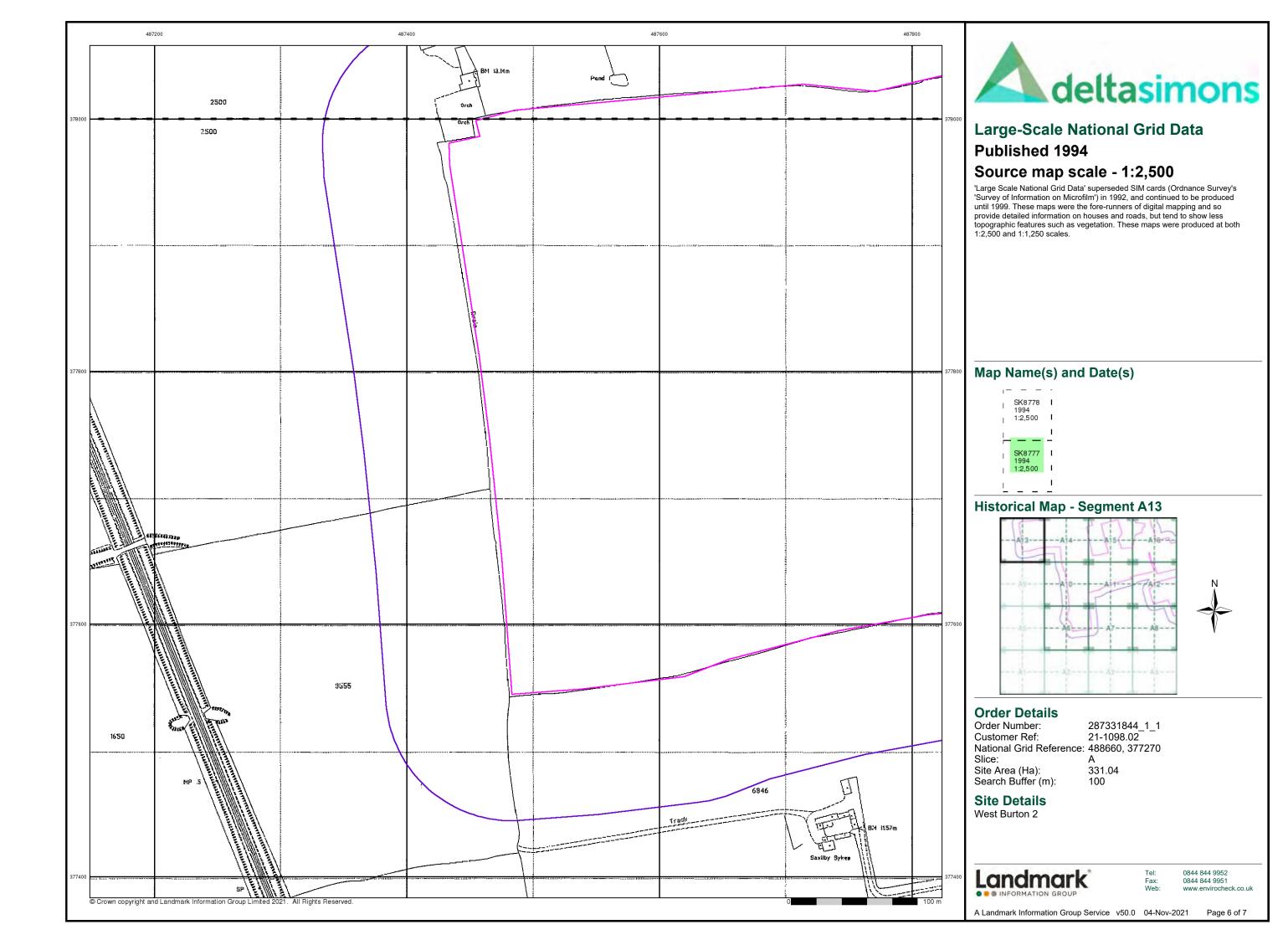
100

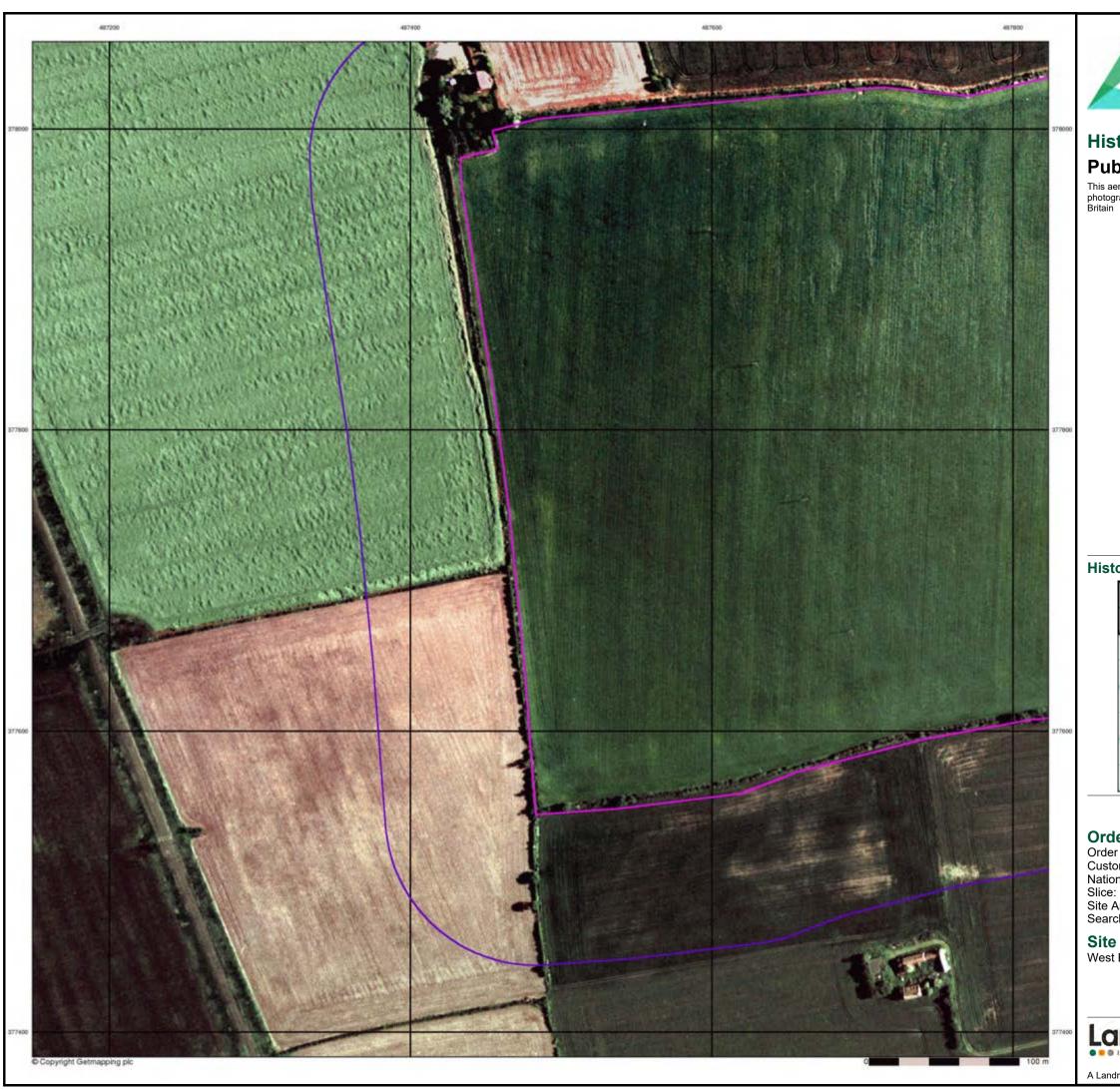








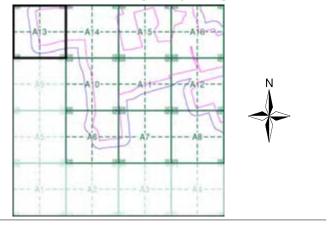






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

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



#### **Order Details**

Order Number: 287331844\_1\_1
Customer Ref: 21-1098.02
National Grid Reference: 488660, 377270

Site Area (Ha): Search Buffer (m): 331.04 100

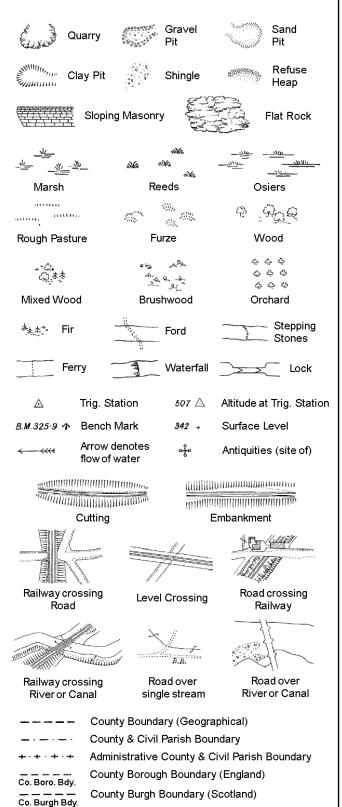
# **Site Details**

West Burton 2

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

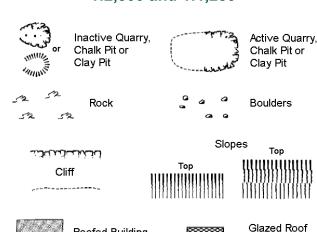
Mile Stone

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

Electricity Pylor

Guide Post or Board

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 Coniferous Tree

Roofed Building

Non-Coniferous Tree (surveyed) Non-Coniferous Trees ಟ್ಟಿಟ್ಟ (not 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

Chv

D Fn

EIP

FAP

FB

LC

MP

MS

NTL

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

Trough

Well

S.P

Sl.

 $T_T$ 

T.C.B

of water flow

Orchard Scrub







**Electricity Transmission Line** 



Station

Civil Parish Boundary

mereing changes

London Borough Boundary

РО

PH

SB, SB

SP. SL

Τk

TCB

TCP

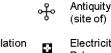
Wd Pp

County Boundary (Geographical)

Admin. County or County Bor. Boundary

Symbol marking point where boundary

County & Civil Parish Boundary





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

Buildina

Archway

Coniferous Trees

Bracken

Marsh,

Saltings

Culvert

(not surveyed)

(surveyed)



BM 231.60m

Cliff

Rock

Boulders

(surveyed)

(not surveyed)

Orchard

Coppice,

Rough

Grassland

Direction

of water flow

දු

Positioned Boulder

Non-Coniferous Tree

Non-Coniferous Trees

Scrub

wum, Heath

Δ

**Electricity Transmission Line** 

Bench Mark

Reeds

Triangulation







Glazed Roof Building

 $\boxtimes$ 

Civil parish/community boundary District boundary

1:1,250

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

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

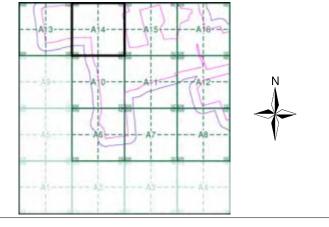
	· · · · · · · · · · · · · · · · · ·			
Bks	Barracks	Р	Pillar, I	Pole or Post
Bty	Battery	PO	Post 0	Office
Cemy	Cemetery	PC	Public	Convenience
Chy	Chimney	Pp	Pump	
Cis	Cistern	Ppg Sta	Pumpi	ng Station
Dismtd Rly	Dismantled Railway	PW	Place	ofWorship
El Gen Sta	Electricity Generating Station	Sewage Pp	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	WrPt, WrT	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	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: 287331844\_1\_1 21-1098.02 **Customer Ref:** National Grid Reference: 488660, 377270 Slice: 331.04

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

**Site Details** 

West Burton 2

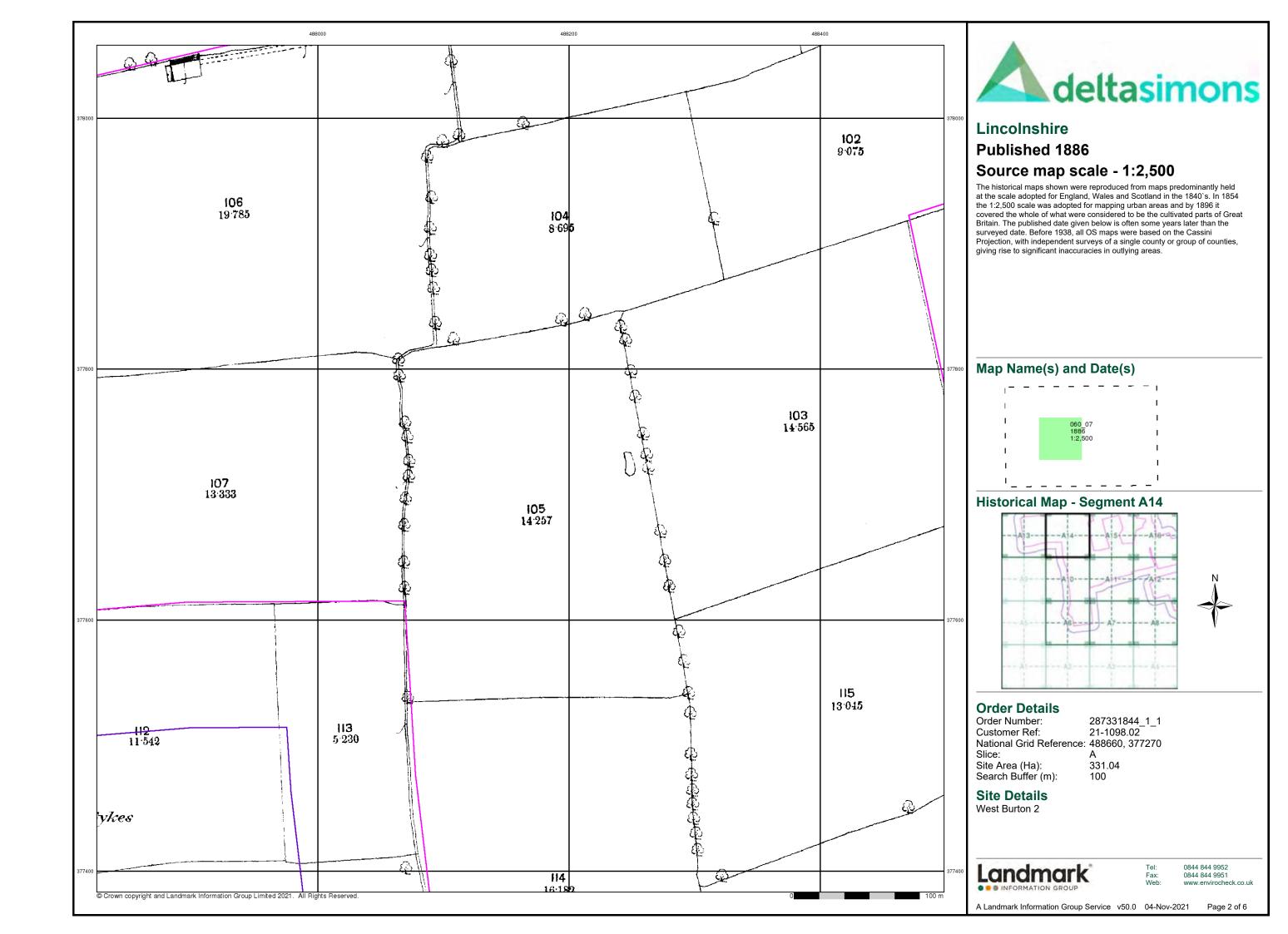


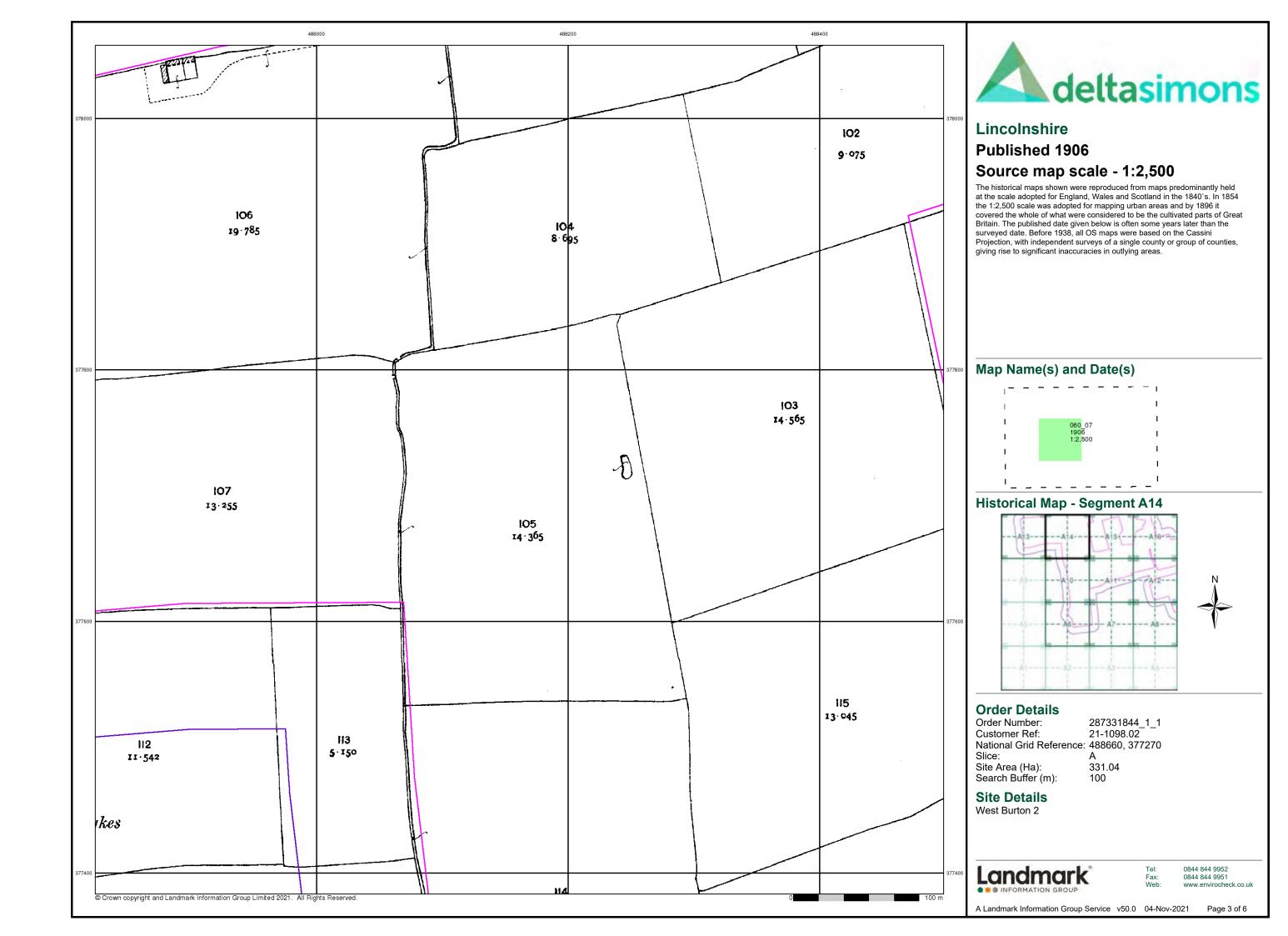
0844 844 9952

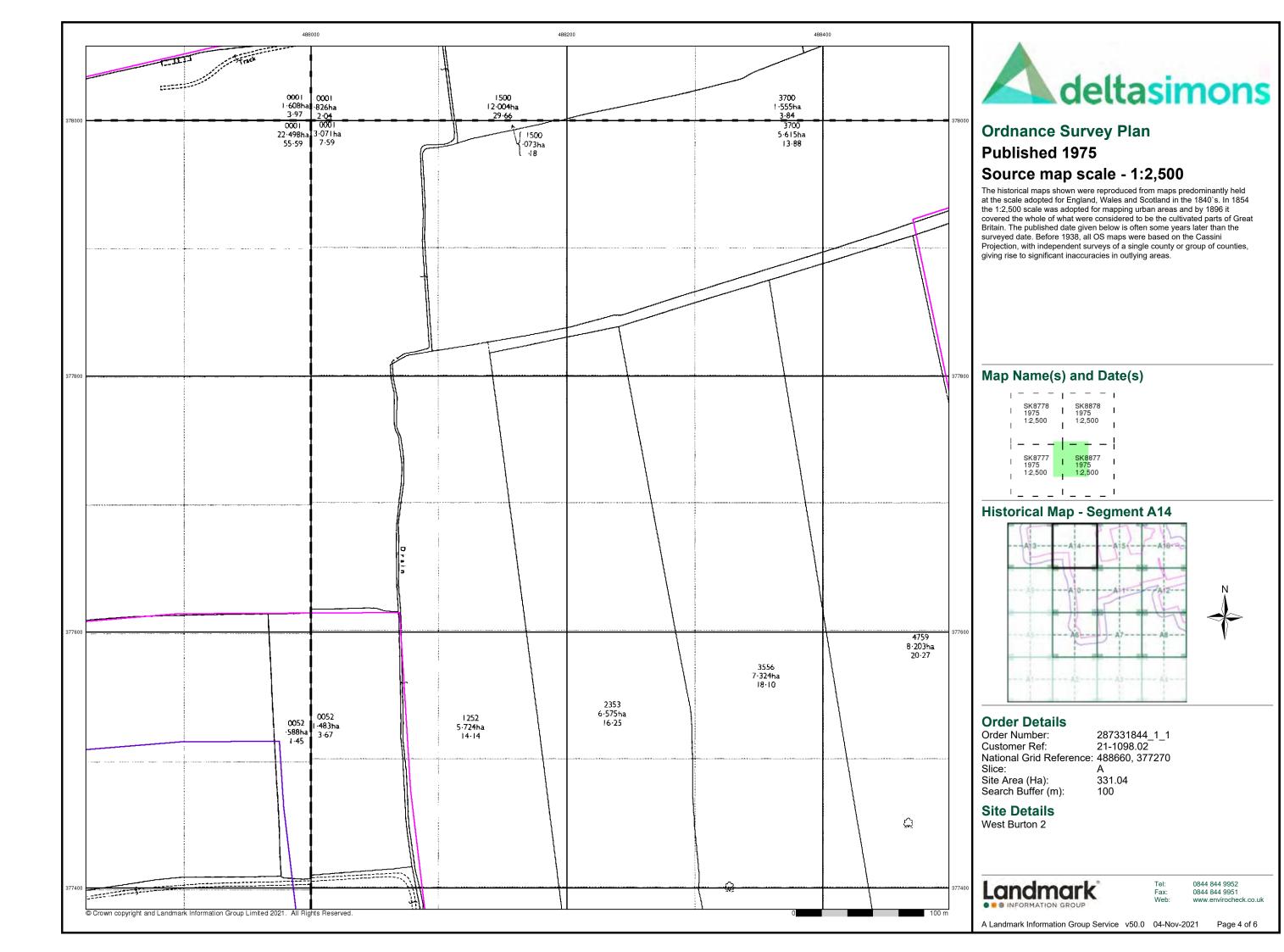
Page 1 of 6

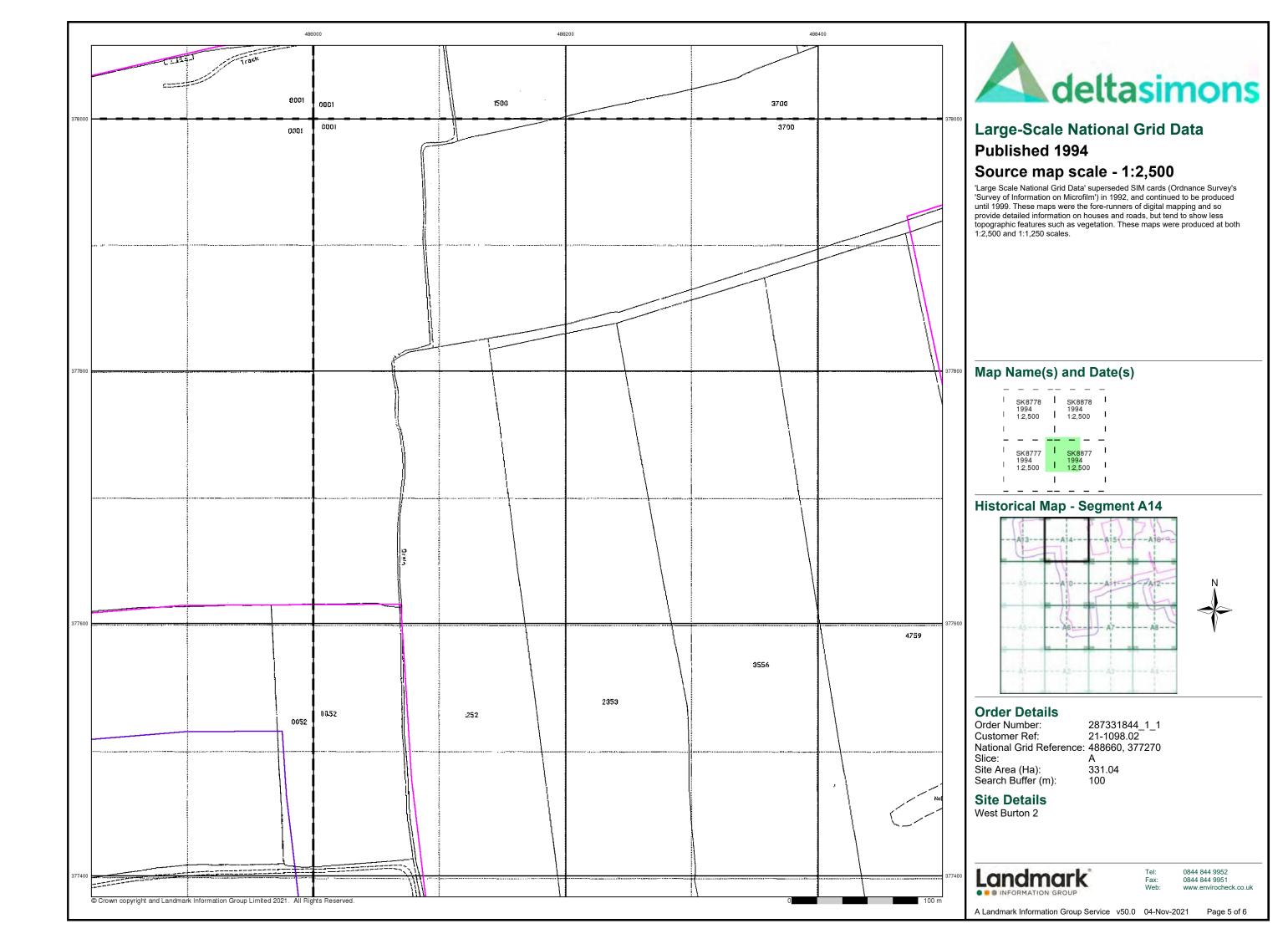
A Landmark Information Group Service v50.0 04-Nov-2021

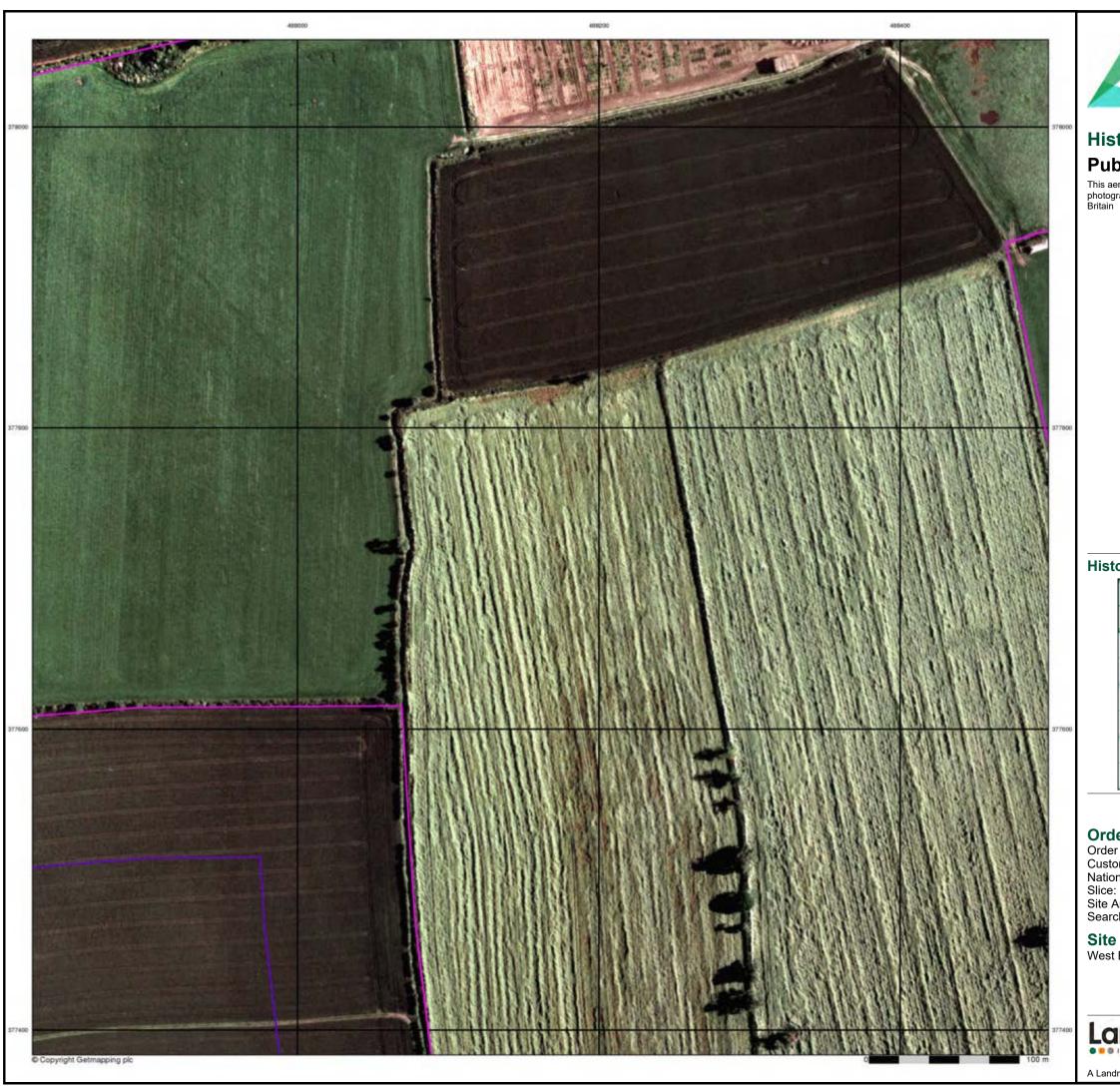
100







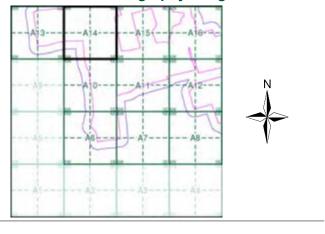






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

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



#### **Order Details**

Order Number: 287331844\_1\_1
Customer Ref: 21-1098.02
National Grid Reference: 488660, 377270

Site Area (Ha): Search Buffer (m): 331.04

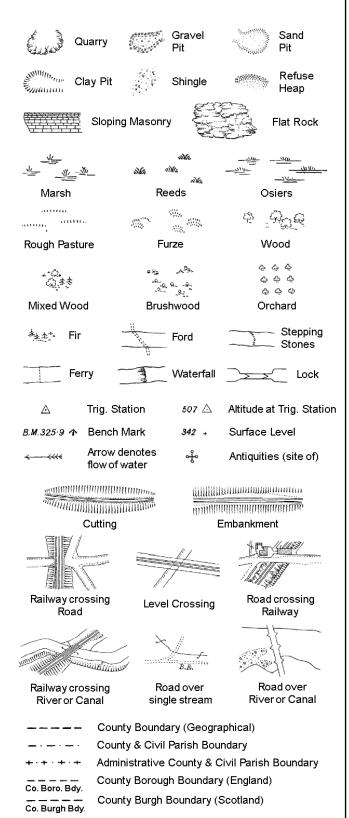
# **Site Details**

West Burton 2

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

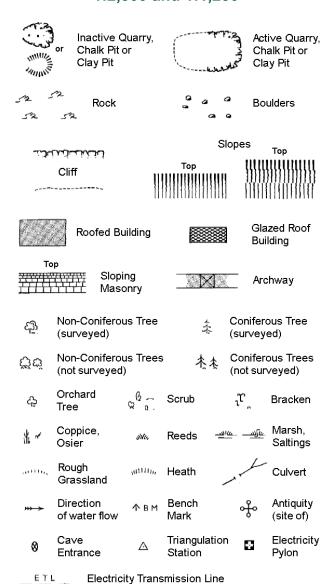
Mile Stone

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

Electricity Pylor

Guide Post or Board

#### 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



#### Symbol marking point where boundary mereing changes Beer House Pillar, Pole or Post **Boundary Post or Stone** РО Post Office Capstan, Crane **Public Convenience** PH Chv **Public House** 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 Wr Pt. W Water Point, Water Tap MS

Wd Pp

Wind Pump

County Boundary (Geographical)

Admin. County or County Bor. Boundary

Fn/DFn

GVC

Fountain / Drinking Ftn.

Gas Valve Compound

Mile Post or Mile Stone

Gas Governer

**Guide Post** 

Manhole

Tk

Tr

Wd Pp

Wks

Tank or Track

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

County & Civil Parish Boundary

Civil Parish Boundary

London Borough Boundary

L B Bdy

NTL

Normal Tidal Limit

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

Trough

Well

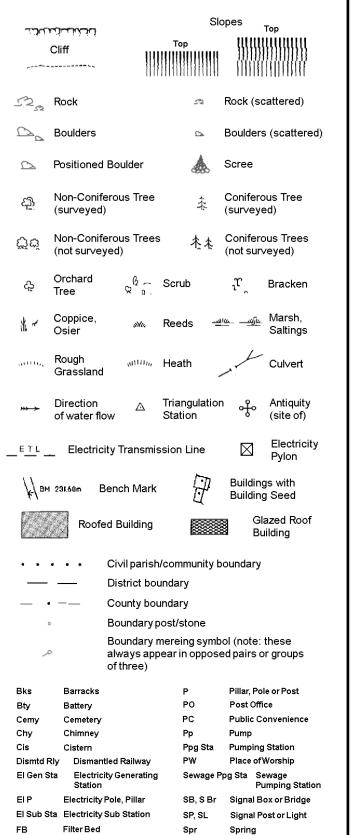
S.P

Sl.

 $T_T$ 

T.C.B

# 1:1,250

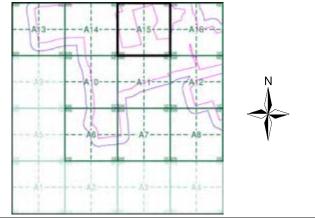




#### **Historical Mapping & Photography included:**

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 A15**



#### **Order Details**

Order Number: 287331844\_1\_1 21-1098.02 **Customer Ref:** National Grid Reference: 488660, 377270 Slice: 331.04 Site Area (Ha):

Search Buffer (m):

**Site Details** 

West Burton 2

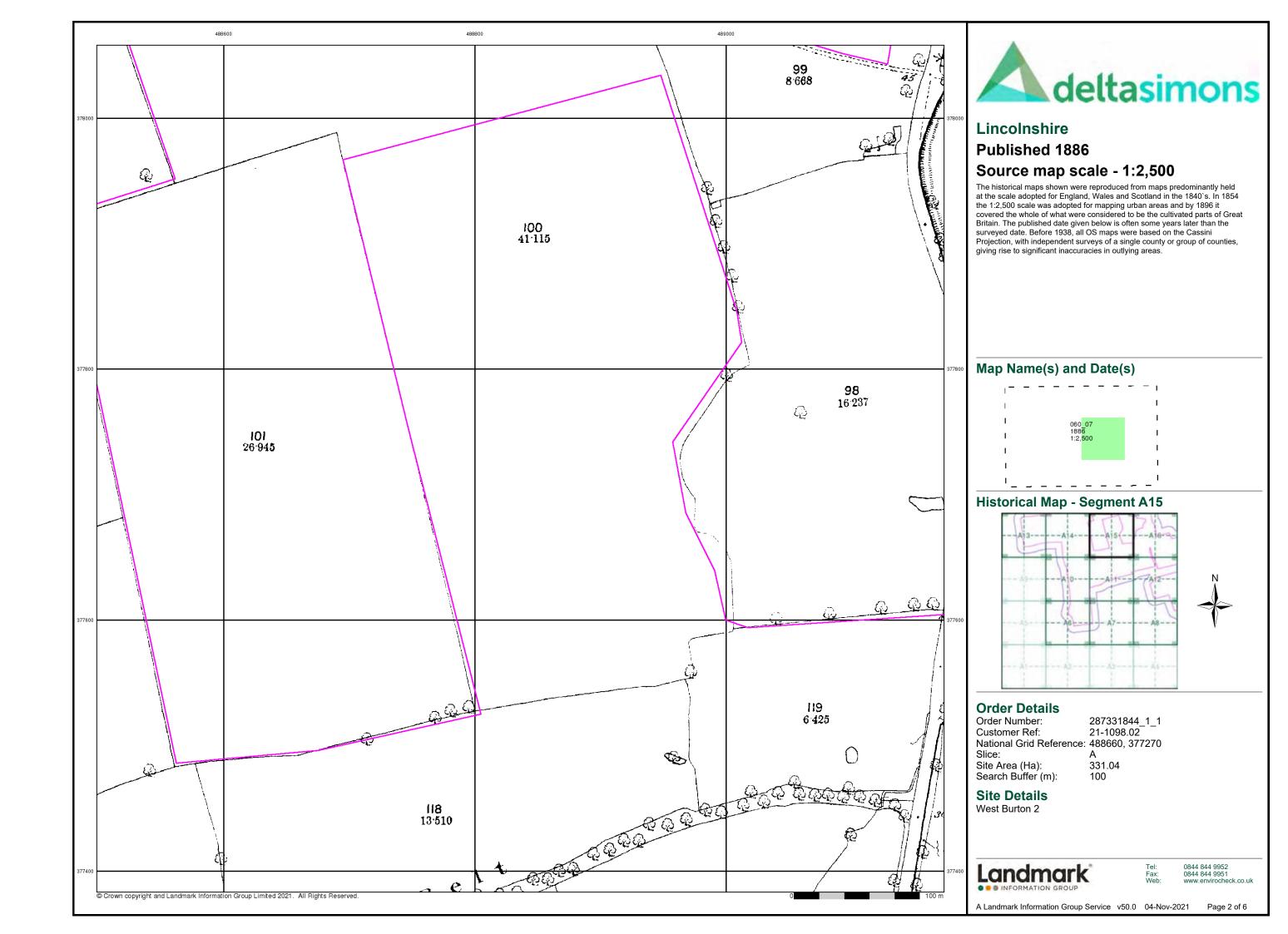


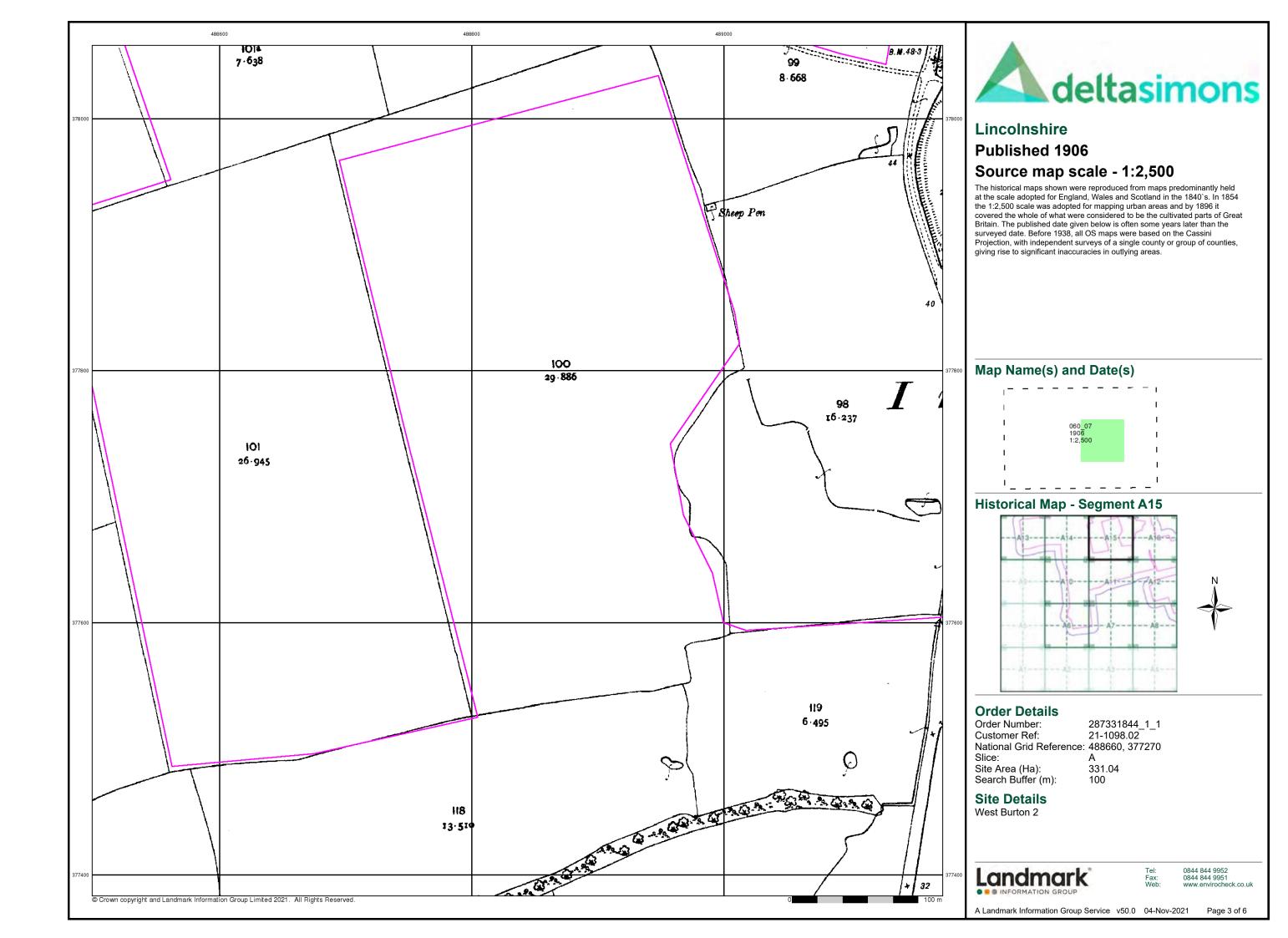
0844 844 9952 0844 844 9951

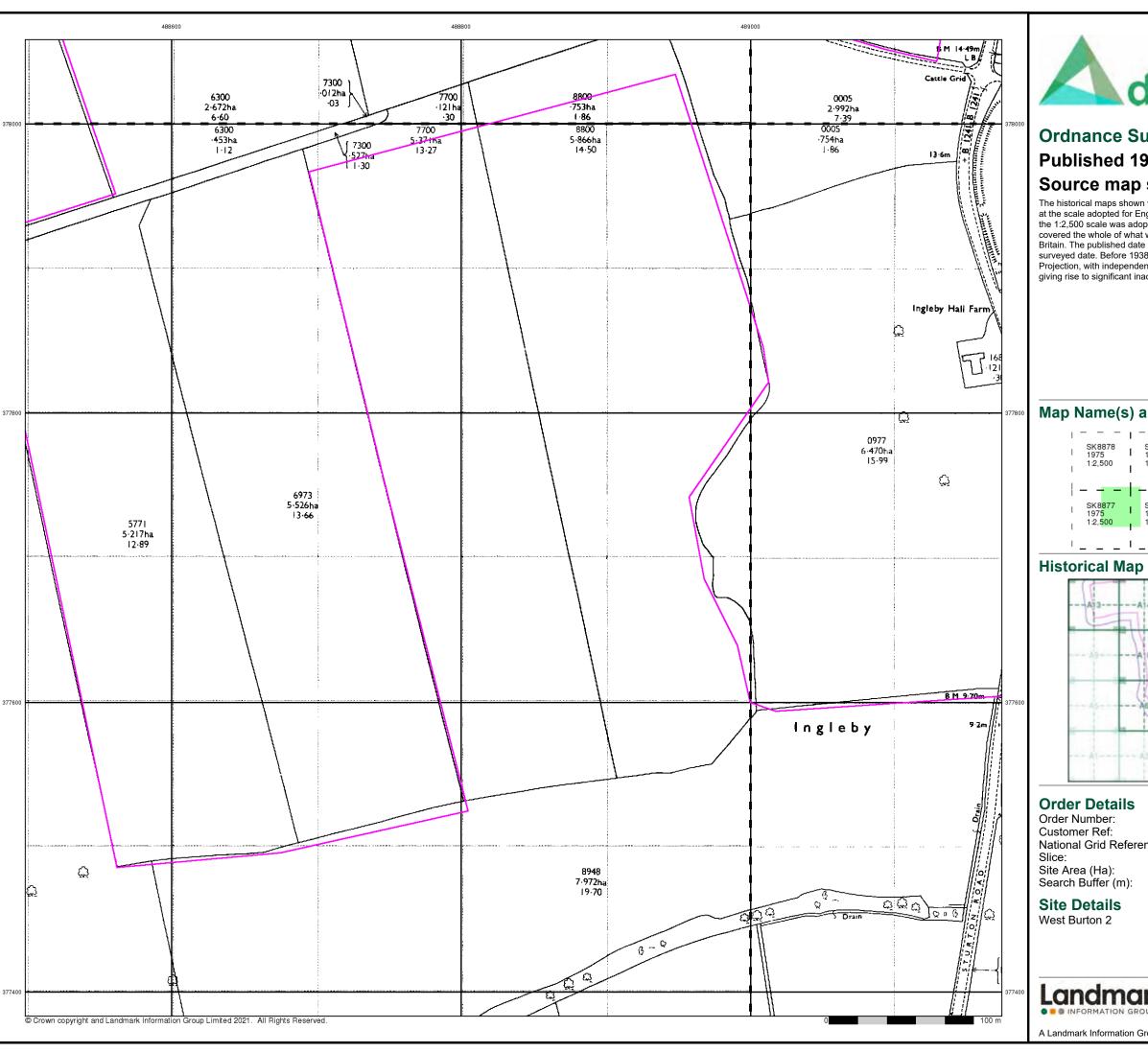
Page 1 of 6

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

100









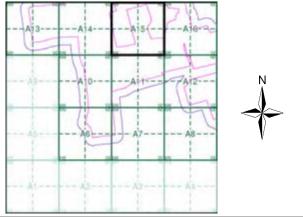
# **Ordnance Survey Plan Published 1975** Source map scale - 1:2,500

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		١ -
1	SK8878 1975	1	SK8978 1975	ı
1	1:2,500	ı	1:2,500	ı
				- ¦
1	SK8877 1975	T	SK8977 1975	ı
1	1:2,500	1	1:2,500	ı
1		I		_

### **Historical Map - Segment A15**

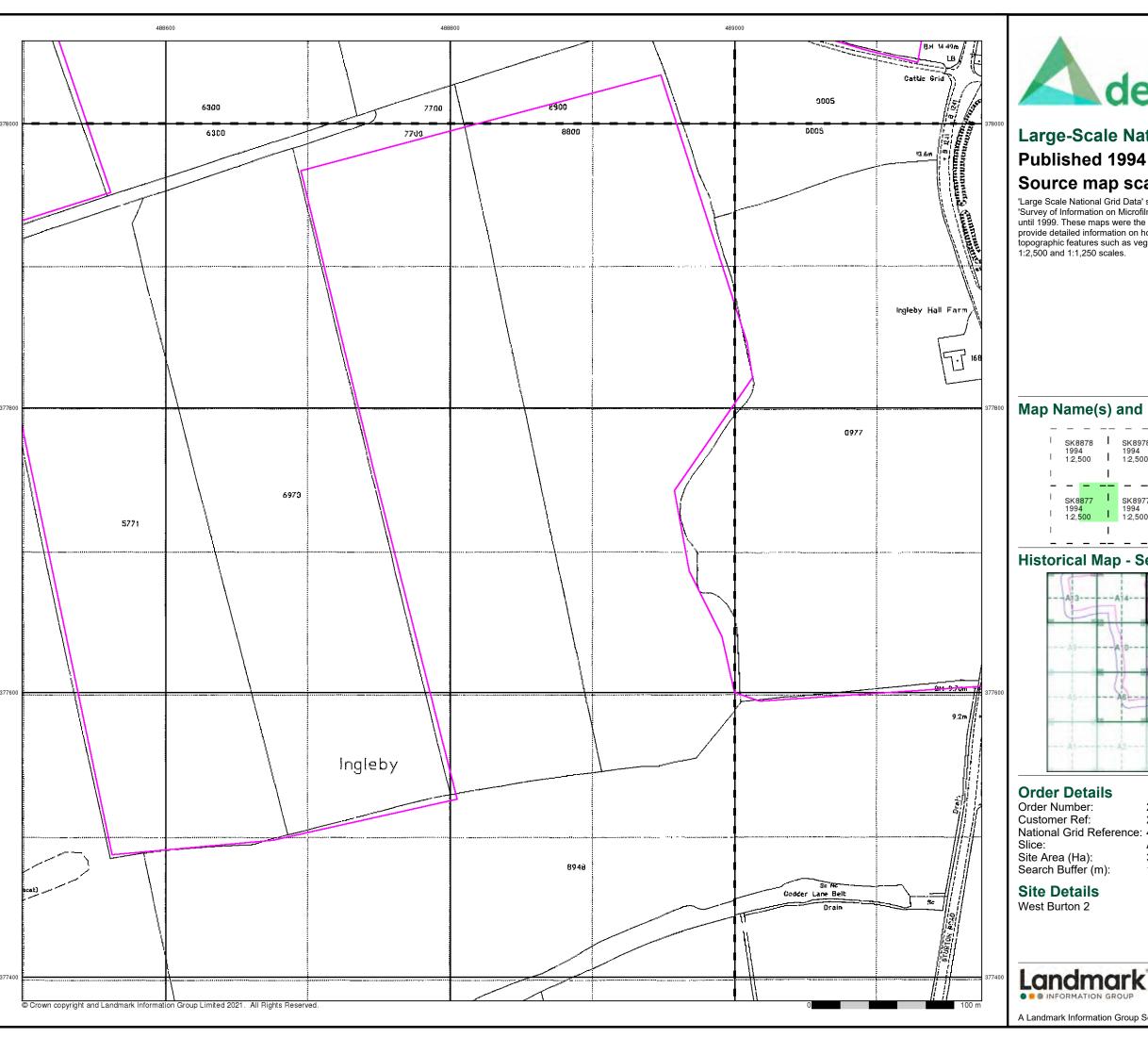


287331844\_1\_1 21-1098.02 National Grid Reference: 488660, 377270 331.04



0844 844 9951 www.envirocheck.co.uk

Page 4 of 6





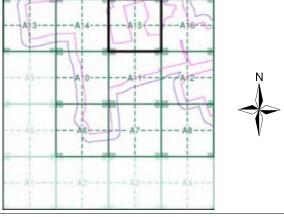
# **Large-Scale National Grid Data** Published 1994 Source map scale - 1:2,500

'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)

_	_	_			_
1	SK8		-1	SK8978	١
1	199		- 1	1994 1:2,500	ı
1			-1		-
-	_	-			_
1					
1	SK8		- 1	SK8977	
ı	SK8 199 1:2,5	4	i	SK8977 1994 1:2,500	
! 	199	4	i	1994	

#### **Historical Map - Segment A15**



287331844\_1\_1 21-1098.02 National Grid Reference: 488660, 377270

331.04



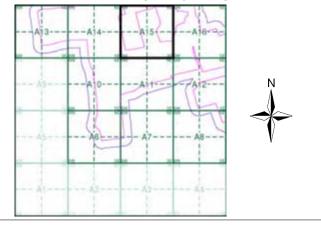
0844 844 9951 www.envirocheck.co.uk





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: 287331844\_1\_1
Customer Ref: 21-1098.02
National Grid Reference: 488660, 377270

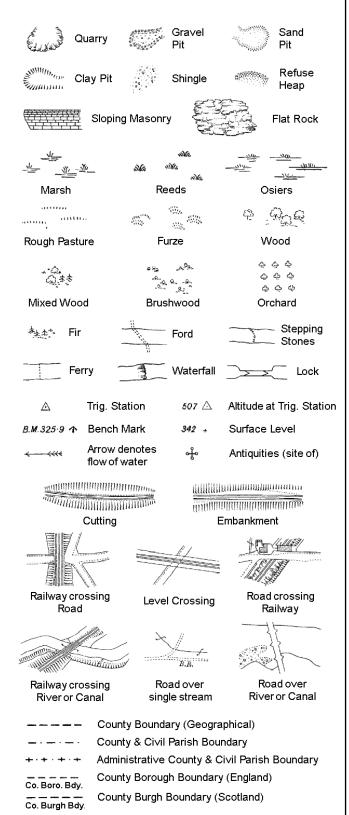
331.04 100 Site Area (Ha): Search Buffer (m):

**Site Details** West Burton 2

Landmark\*

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#### **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

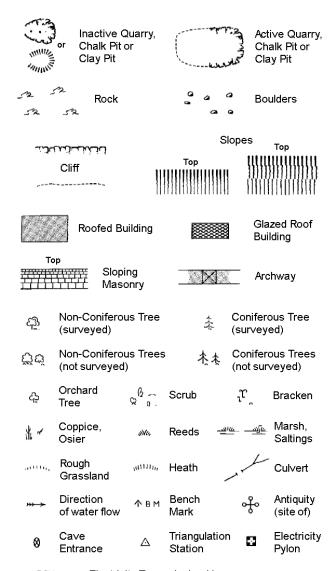
S.P

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	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
	دان <del>د</del> لکندانت		Тор	uinu	uuuuu
,	Cliff	111		11)))))	111111111111111111111111111111111111111
		[1]	111111111111111111111111111111111111111	1111111	1111111111
3	Rock		23	Rock (so	cattered)
$\Box$	Boulders		2	Boulders	(scattered)
	Positioned	Boulder		Scree	
ফ্র	Non-Conif (surveyed	erous Tree )	\$	Conifero	
Öά	Non-Conif (not surve	erous Trees yed)	* **	Conifero	ous Trees /eyed)
දා	Orchard Tree	Q a.	Scrub	<sup>7</sup> U,	Bracken
* ~	Coppice, Osier	šNu,	Reeds 🛥	16e —77)[e	Marsh, Saltings
artte,	Rough Grassland	$u_{111111}$	Heath	1	Culvert
<b>››→</b>	Direction of water flo	Δ ow	Triangulatior Station	, of	Antiquity (site of)
E_TL	Electric	ity Transmi	ssion Line	$\boxtimes$	Electricity Pylon
\ K BM	231.60m E	Bench Mark		Building Building	
	Roofe	ed Building		251	azed Roof iilding
		Civil parish	/community b	oundary	
		District bo	-	<b>,</b>	
		County box	-		
		_			
٥		Boundary	nereing symb	al (nata:	thaca
٥		-	pear in oppose	,	
Bks	Barracks		Р	Pillar, Pol	le or Post
Bty	Battery		PO	Post Offi	ce
Cemy	Cemetery		PC	Public Co	onvenience
Chy	Chimney		Pp	Pump	
Cis	Cistern		Ppg Sta	Pumping	
Dismtd F	Rly Disman	tled Railway	PW	Place of\	Vorship
El Gen S	ta Electric Station	ity Generating	Sewage P		wage Imping 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>
	Fountain (	Drinking Etc	Th.	Took or	

Fn / D Fn Fountain / Drinking Ftn.

Gas Governer

**Guide Post** 

Manhole

Gas Valve Compound

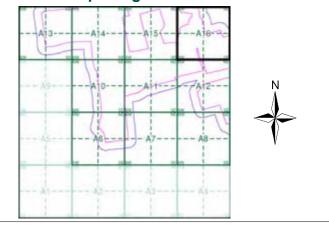
Mile Post or Mile Stone



#### **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	1975	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: 287331844\_1\_1 **Customer Ref:** 21-1098.02 National Grid Reference: 488660, 377270 Slice:

Site Area (Ha):

331.04 Search Buffer (m):

**Site Details** 

West Burton 2

Tank or Track

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Tr

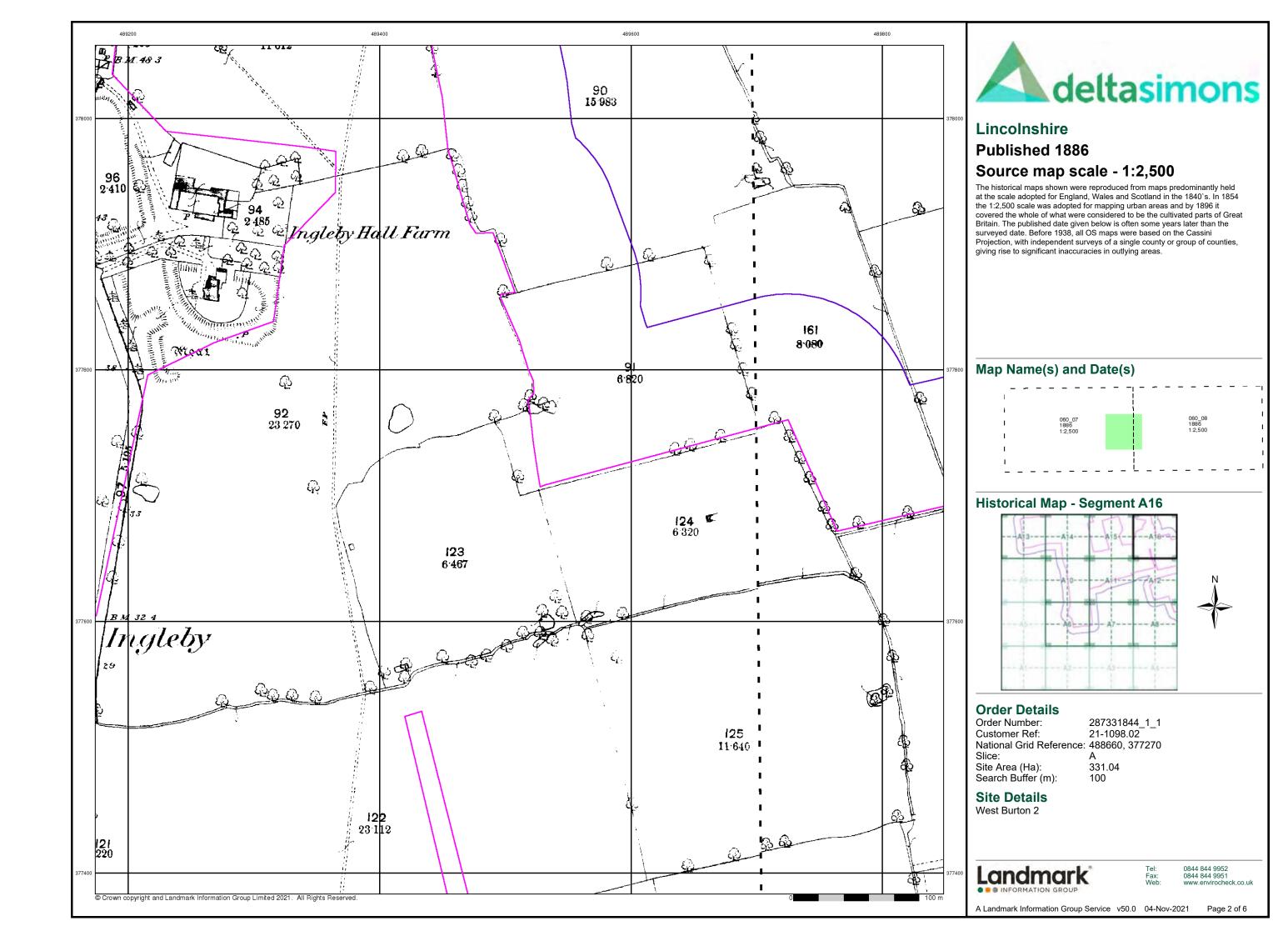
Wd Pp

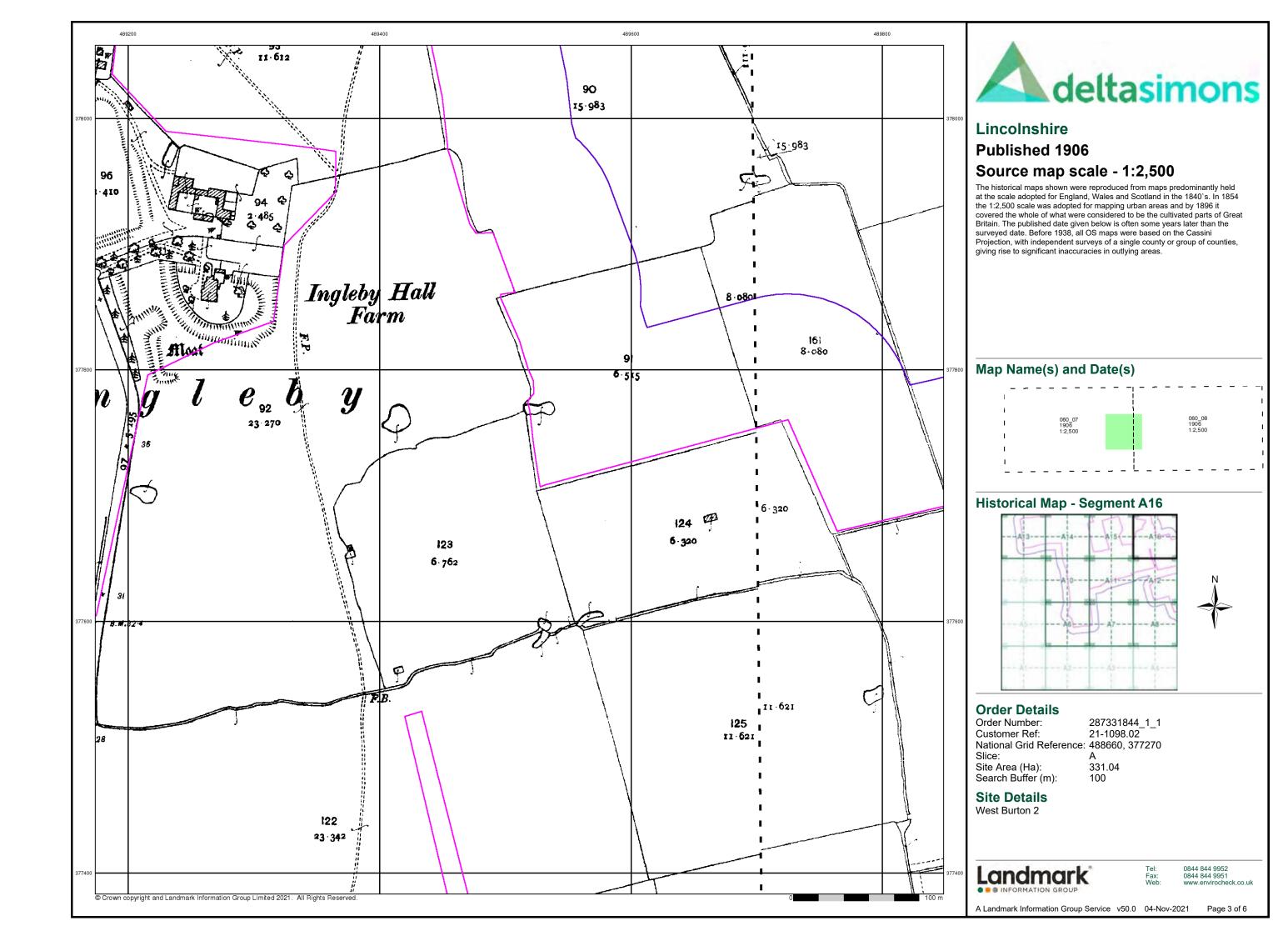
Wks

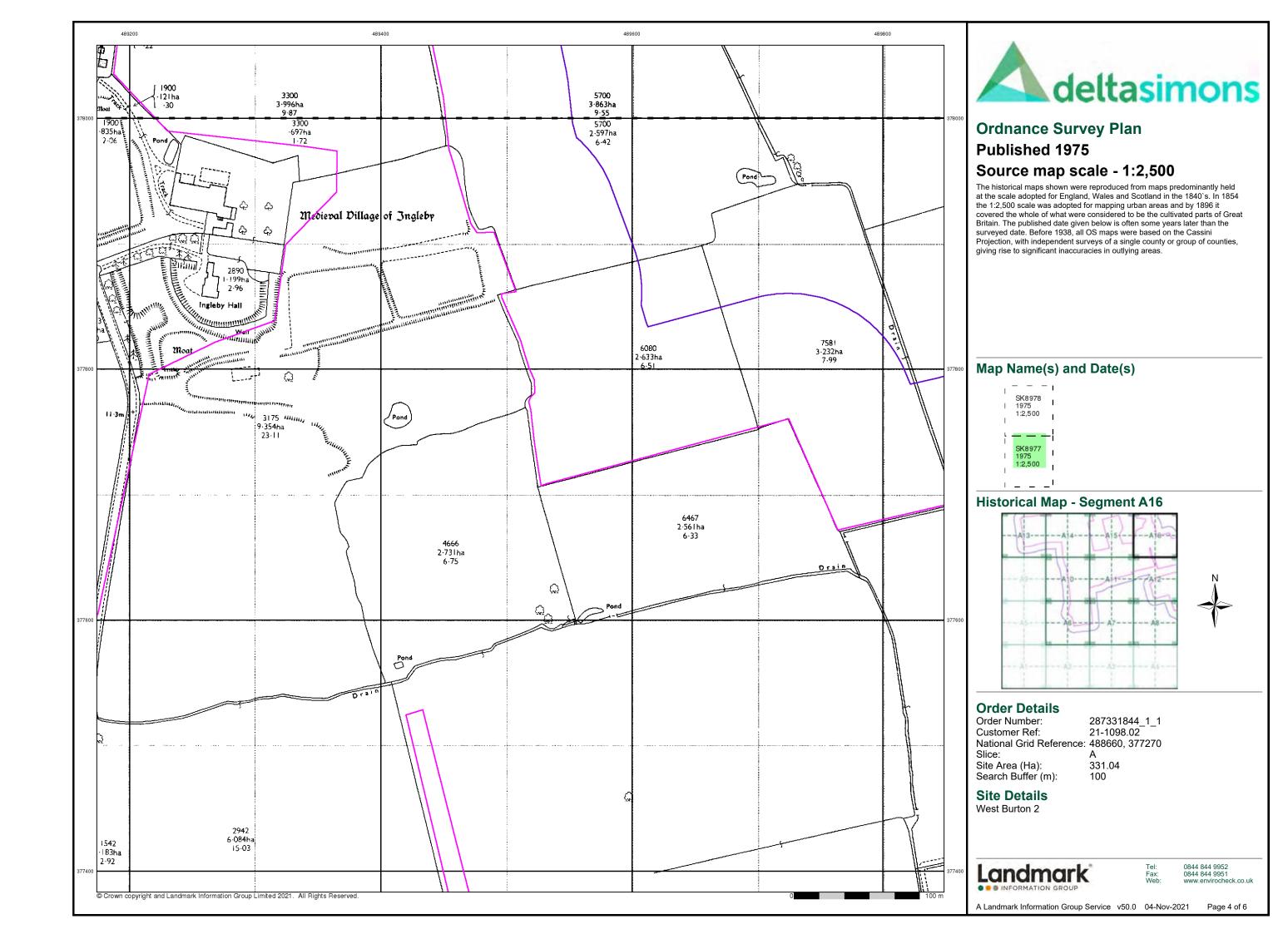


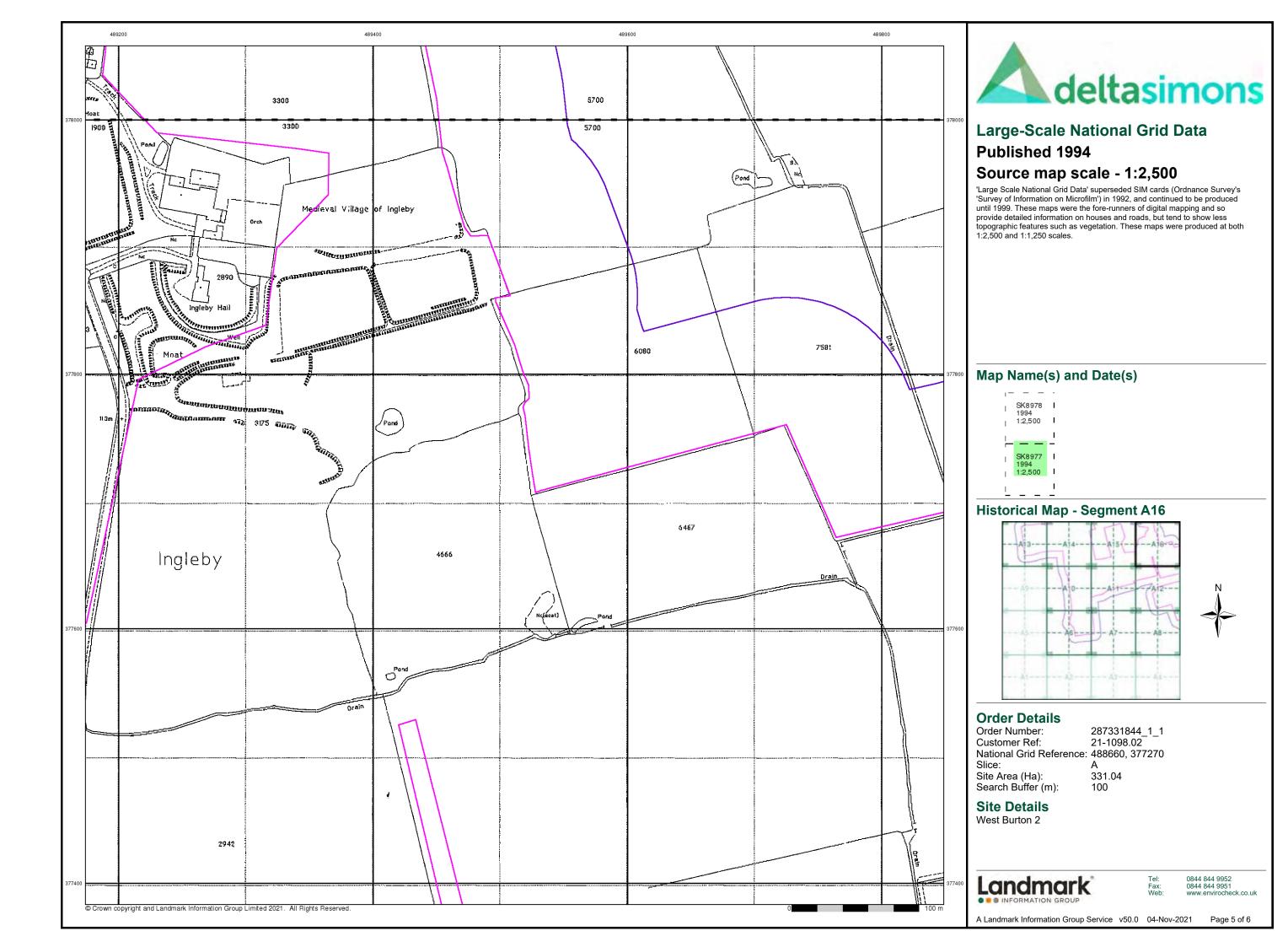
0844 844 9952 0844 844 9951

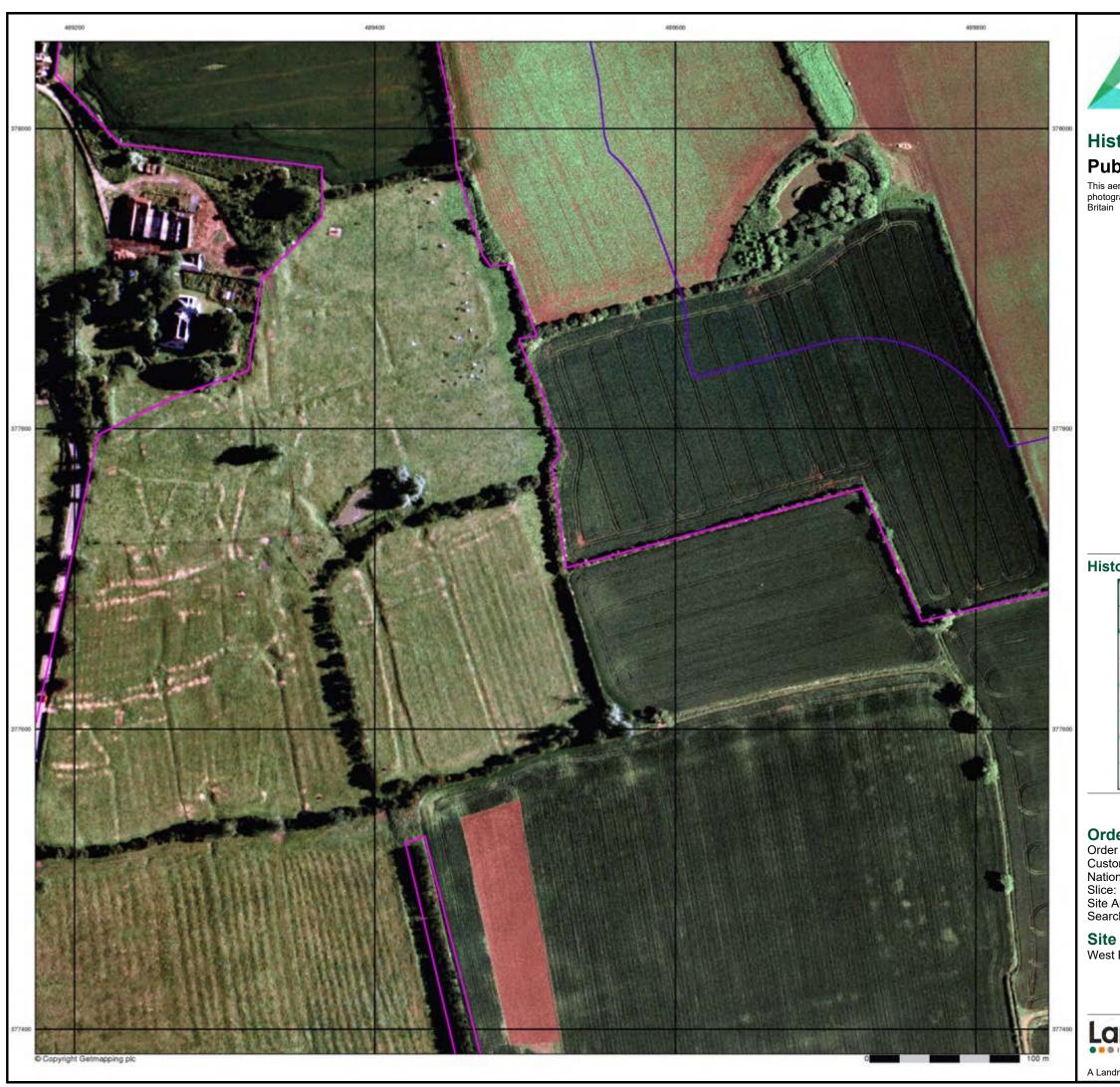
Page 1 of 6







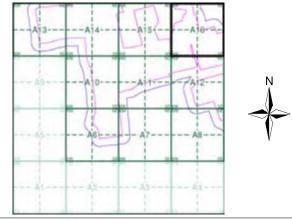






This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

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



#### **Order Details**

Order Number: 287331844\_1\_1
Customer Ref: 21-1098.02
National Grid Reference: 488660, 377270

Site Area (Ha): Search Buffer (m): 331.04 100

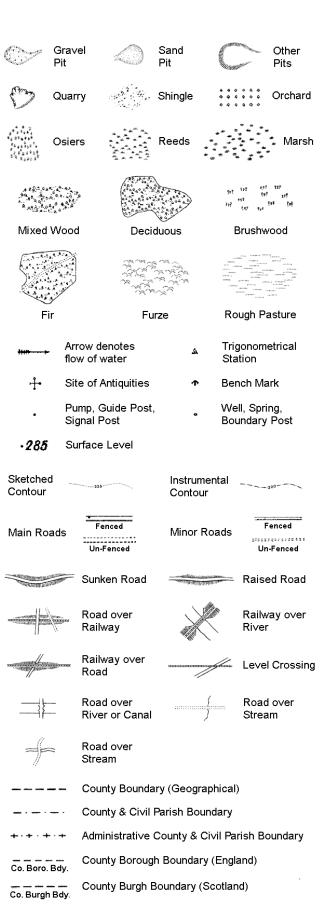
**Site Details** 

West Burton 2

Landmark\*

0844 844 9952 0844 844 9951 www.envirocheck.co.uk

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



Rural District Boundary

····· Civil Parish Boundary

R.D. Bdy.

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

ولاستناسي	Chalk Pit, Clay P or Quarry	it	Gravel Pit
	Sand Pit		Disused Pit or Quarry
1.00.00	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes	0000	Boulders
<b>* * *</b>	Coniferous Trees	$\Diamond  \Diamond  \Diamond$	Non-Coniferous Trees
<b>ф</b>	Orchard no_	Scrub	\Υ <sub>N</sub> Coppice
ਜ ਜ ਜ	Bracken	· Heath ' '	ı,,, Rough Grassland
<u> </u>	MarshV///	, Reeds -	<u> 노노</u> Saltings
	Dire Building	ection of Flow of W	Shingle
<b>***</b>	Glasshouse		Sand
	Sloping Masonry	Pylon  — — — — — — Pole — — • — —	Electricity Transmission Line
**.	//	***************************************	Standard Gauge Multiple Track Standard Gauge
Under		syel \ Foot ssing Bridge	Single Track Siding, Tramway or Mineral Line
			Narrow Gauge
	Geographical C	County	
	— — Administrative or County of C	County, County Bo ity	prough
	Municipal Boro Burgh or Distri	ugh, Urban or Rura ct Council	al District,
		h or County Consti not coincident with ot	
	Civil Parish Shown alternately	when coincidence of	boundaries occurs
BP, BS Ch	Boundary Post or Stone Church		olice Station ost Office
сн	Club House		ublic Convenience
F E Sta	Fire Engine Station	PH Pt	ublic House
FB	Foot Bridge	SB Si	gnal Box
Fn	Fountain	Spr S	oring
CD	Out the Donat	TOD T	

TCB

TCP

**Guide Post** 

Mile Post

Telephone Call Box

Telephone Call Post

#### 1:10,000 Raster Mapping

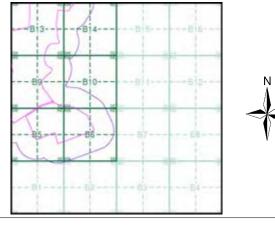
	Gravel Pit		Refuse tip or slag heap
3 3 3 3 3 3	Rock	3 3	Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle	Mud	Mud
Sand	Sand		Sand Pit
tititii15	Slopes		Top of cliff
	General detail		Underground detail
	- Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only) District, Unitary,	• • • • • •	Civil, parish or community boundary
	Metropolitan, London Borough boundary		Constituency boundary
۵ <sup>۵</sup>	Area of wooded vegetation	۵۵ ۵۵	Non-coniferous trees
$\Diamond$	Non-coniferous trees (scattered)	**	Coniferous trees
		** **	
۵ *	trees (scattered) Coniferous	**	trees Positioned
\$ \$ \$	trees (scattered)  Coniferous trees (scattered)		trees  Positioned tree  Coppice
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	trees (scattered)  Coniferous trees (scattered)  Orchard  Rough	£	trees Positioned tree Coppice or Osiers
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	trees (scattered)  Coniferous trees (scattered)  Orchard  Rough Grassland	A A A A A A A A A A A A A A A A A A A	trees Positioned tree Coppice or Osiers Heath Marsh, Salt
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	trees (scattered)  Coniferous trees (scattered)  Orchard  Rough Grassland  Scrub	A A A A A A A A A A A A A A A A A A A	trees  Positioned tree  Coppice or Osiers  Heath  Marsh, Salt Marsh or Reeds
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	trees (scattered)  Coniferous trees (scattered)  Orchard  Rough Grassland  Scrub  Water feature  Mean high	\$\frac{\pi}{\pi}\$ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	trees  Positioned tree  Coppice or Osiers  Heath  Marsh, Salt Marsh or Reeds  Flow arrows  Mean low
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	trees (scattered)  Coniferous trees (scattered)  Orchard  Rough Grassland  Scrub  Water feature  Mean high water (springs)  Telephone line	\$\frac{\pi}{\pi}\$ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	trees Positioned tree Coppice or Osiers Heath Marsh, Salt Marsh or Reeds Flow arrows Mean low water (springs) Electricity transmission line
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	trees (scattered)  Coniferous trees (scattered)  Orchard  Rough Grassland  Scrub  Water feature  Mean high water (springs)  Telephone line (where shown)  Bench mark	∴ ∴ ∴ ∴ ∴ ∴ ∴ ∴ ∴ ∴ ∴ ∴ ∴ ∴ ∴ ∴ ∴ ∴ ∴	trees  Positioned tree  Coppice or Osiers  Heath  Marsh, Salt Marsh or Reeds  Flow arrows  Mean low water (springs)  Electricity transmission line (with poles)  Triangulation
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	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	± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ±	trees  Positioned tree  Coppice or Osiers  Heath  Marsh, Salt Marsh or Reeds  Flow arrows  Mean low water (springs)  Electricity transmission line (with poles)  Triangulation station  Pylon, flare stack



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

Mapping Type	Scale	Date	Pg
Lincolnshire	1:10,560	1885 - 1886	3
Nottinghamshire	1:10,560	1900	4
Lincolnshire	1:10,560	1906 - 1907	5
Lincolnshire	1:10,560	1907	6
Lincolnshire	1:10,560	1922	7
Lincolnshire	1:10,560	1922	8
Lincolnshire	1:10,560	1938 - 1950	9
Lincolnshire	1:10,560	1950	10
Ordnance Survey Plan	1:10,000	1956	11
Ordnance Survey Plan	1:10,000	1976 - 1979	12
Lincoln	1:10,000	1989	13
10K Raster Mapping	1:10,000	2000	14
10K Raster Mapping	1:10,000	2006	15
VectorMap Local	1:10,000	2021	16

#### **Historical Map - Slice B**



331.04

250

#### **Order Details**

Order Number: 287331844\_1\_1 Customer Ref: 21-1098.02 National Grid Reference: 490370, 377000

Slice: Site Area (Ha):

Search Buffer (m):

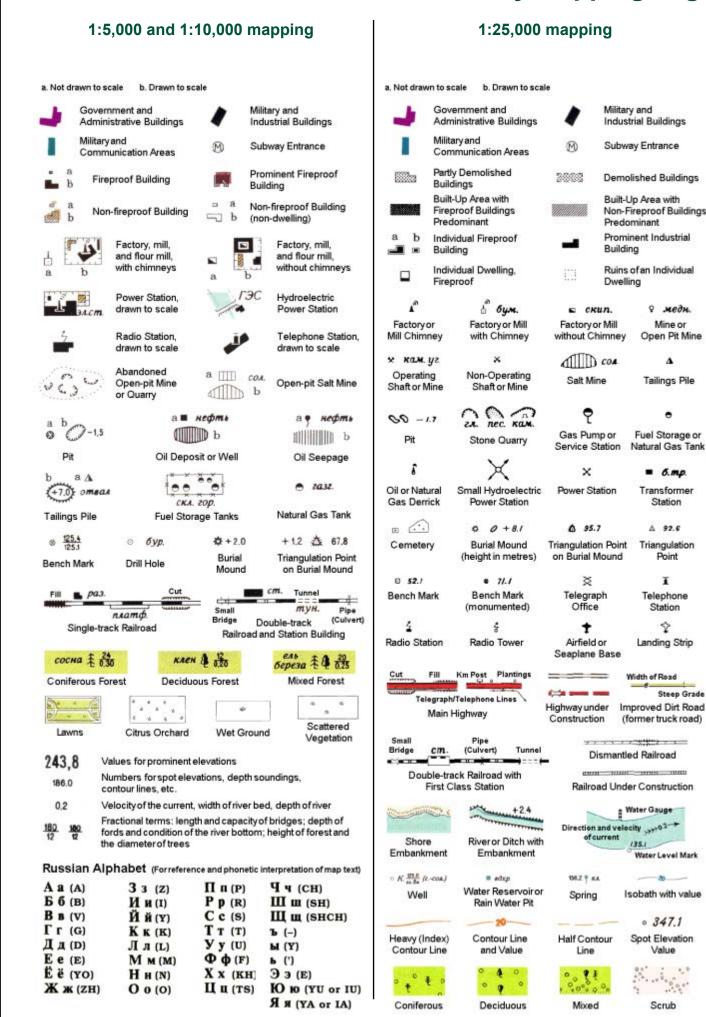
**Site Details** West Burton 2



0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021 Page 1 of 16

# **Russian Military Mapping Legends**



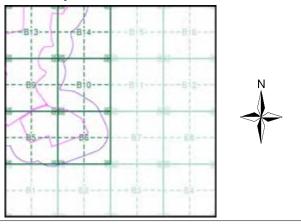
#### **Key to Numbers on Mapping**



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

Mapping Type	Scale	Date	Pg
Lincolnshire	1:10,560	1885 - 1886	3
Nottinghamshire	1:10,560	1900	4
Lincolnshire	1:10,560	1906 - 1907	5
Lincolnshire	1:10,560	1907	6
Lincolnshire	1:10,560	1922	7
Lincolnshire	1:10,560	1922	8
Lincolnshire	1:10,560	1938 - 1950	9
Lincolnshire	1:10,560	1950	10
Ordnance Survey Plan	1:10,000	1956	11
Ordnance Survey Plan	1:10,000	1976 - 1979	12
Lincoln	1:10,000	1989	13
10K Raster Mapping	1:10,000	2000	14
10K Raster Mapping	1:10,000	2006	15
VectorMap Local	1:10,000	2021	16

#### Russian Map - Slice B



#### **Order Details**

Order Number: 287331844\_1\_1
Customer Ref: 21-1098.02
National Grid Reference: 490370, 377000

Slice:

Site Area (Ha): 331.04 Search Buffer (m): 250

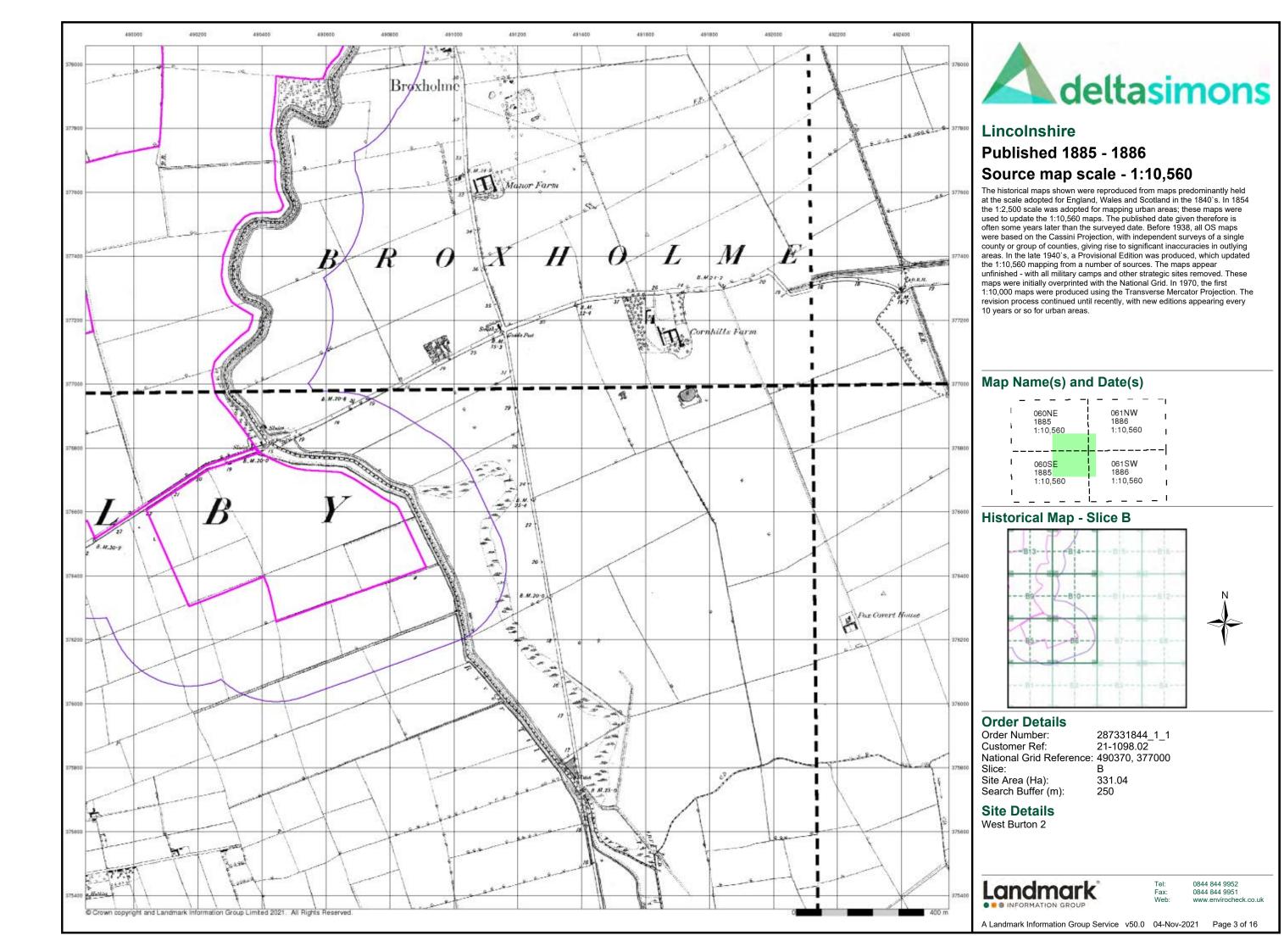
### **Site Details**

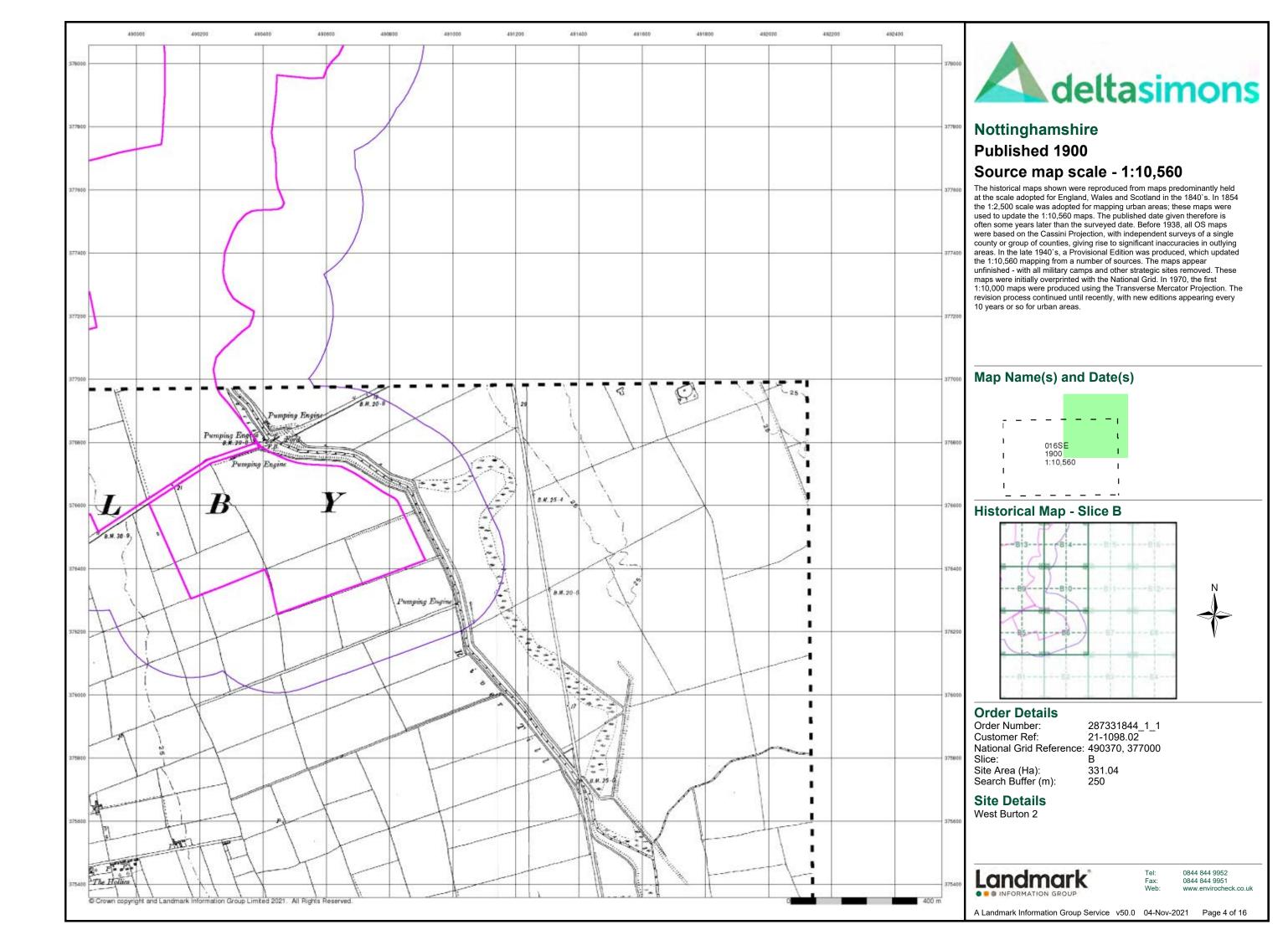
West Burton 2

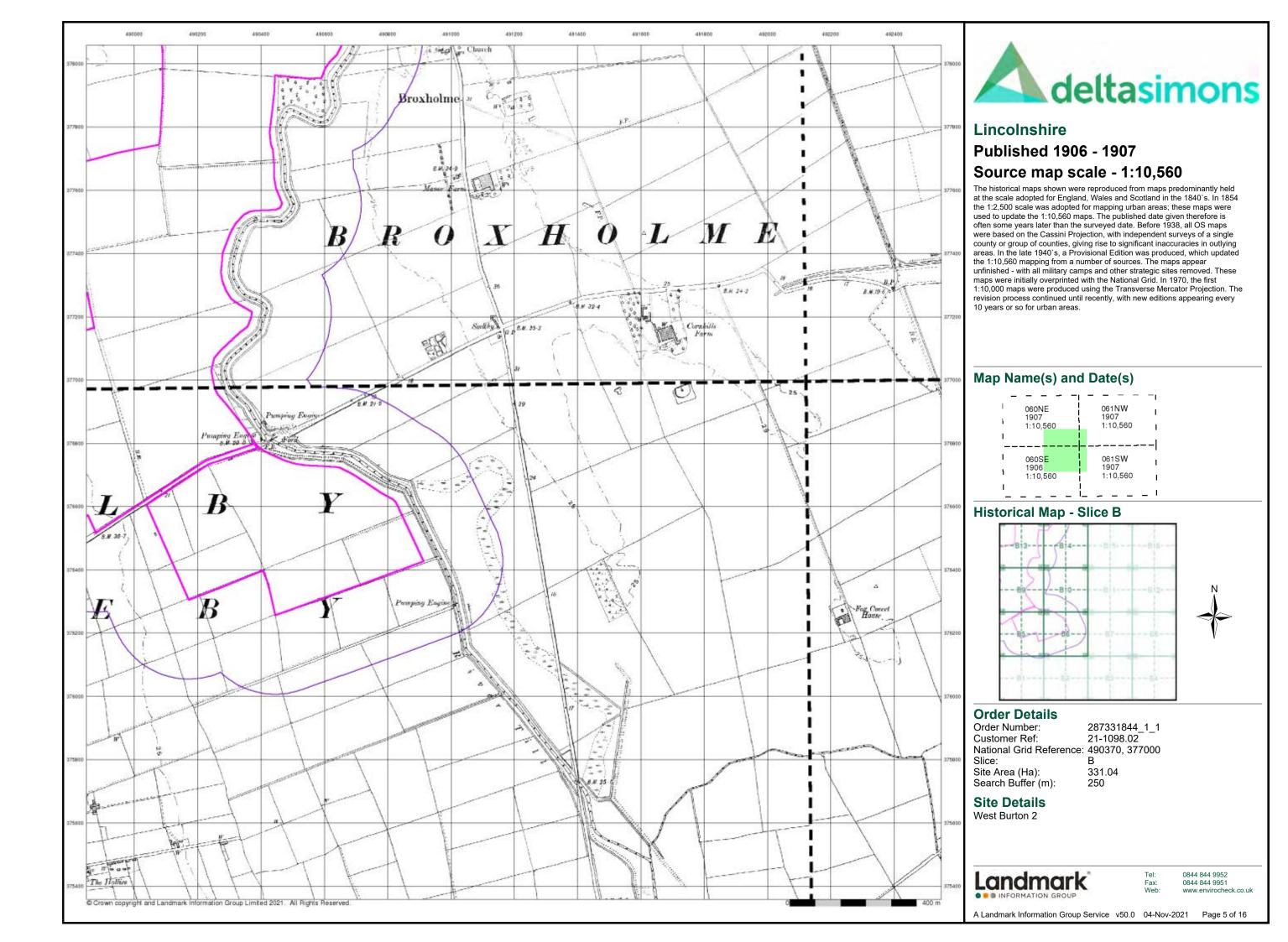
Landmark INFORMATION GROUP

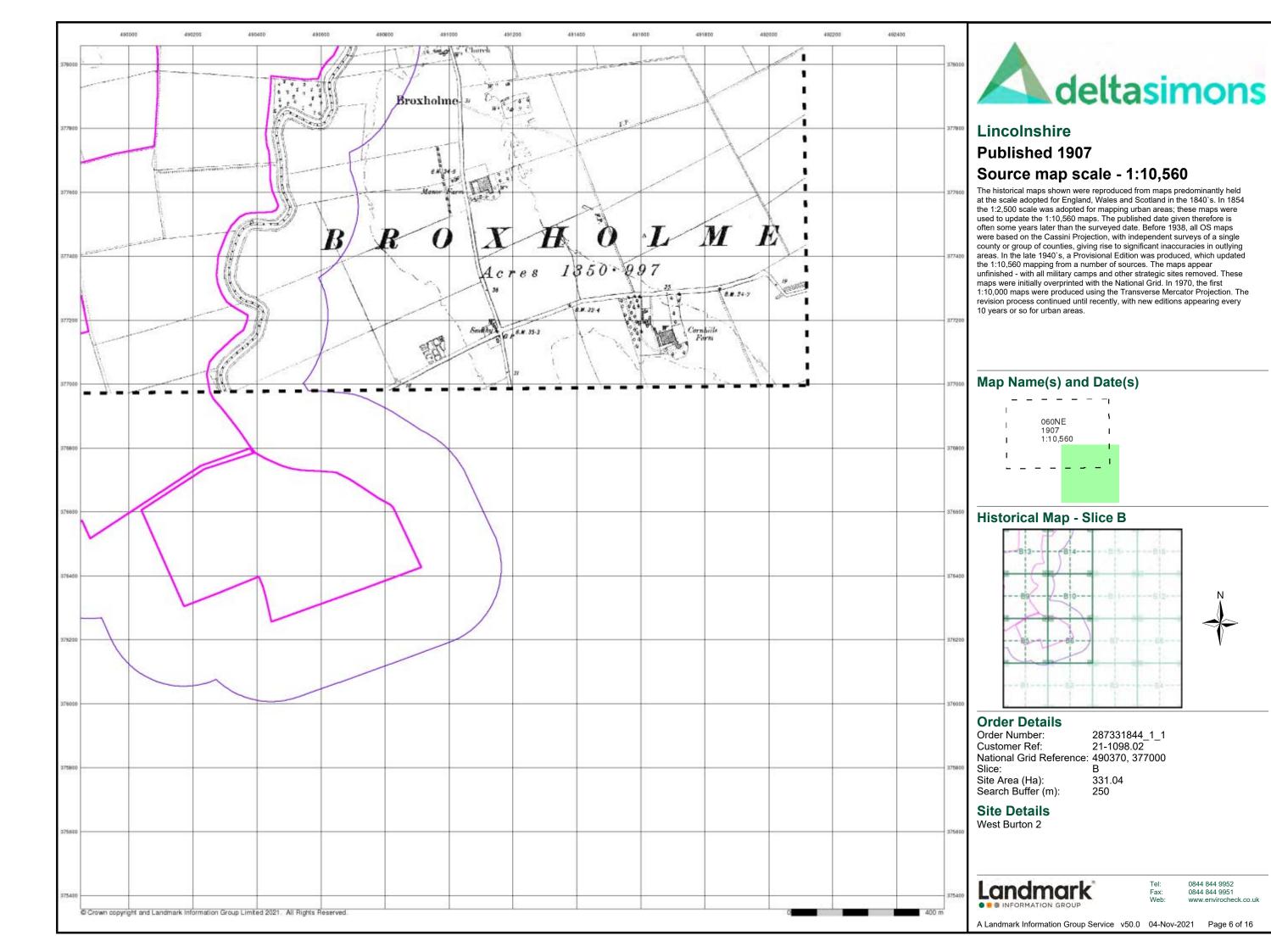
I: 0844 844 9952 x: 0844 844 9951 eb: www.envirocheck

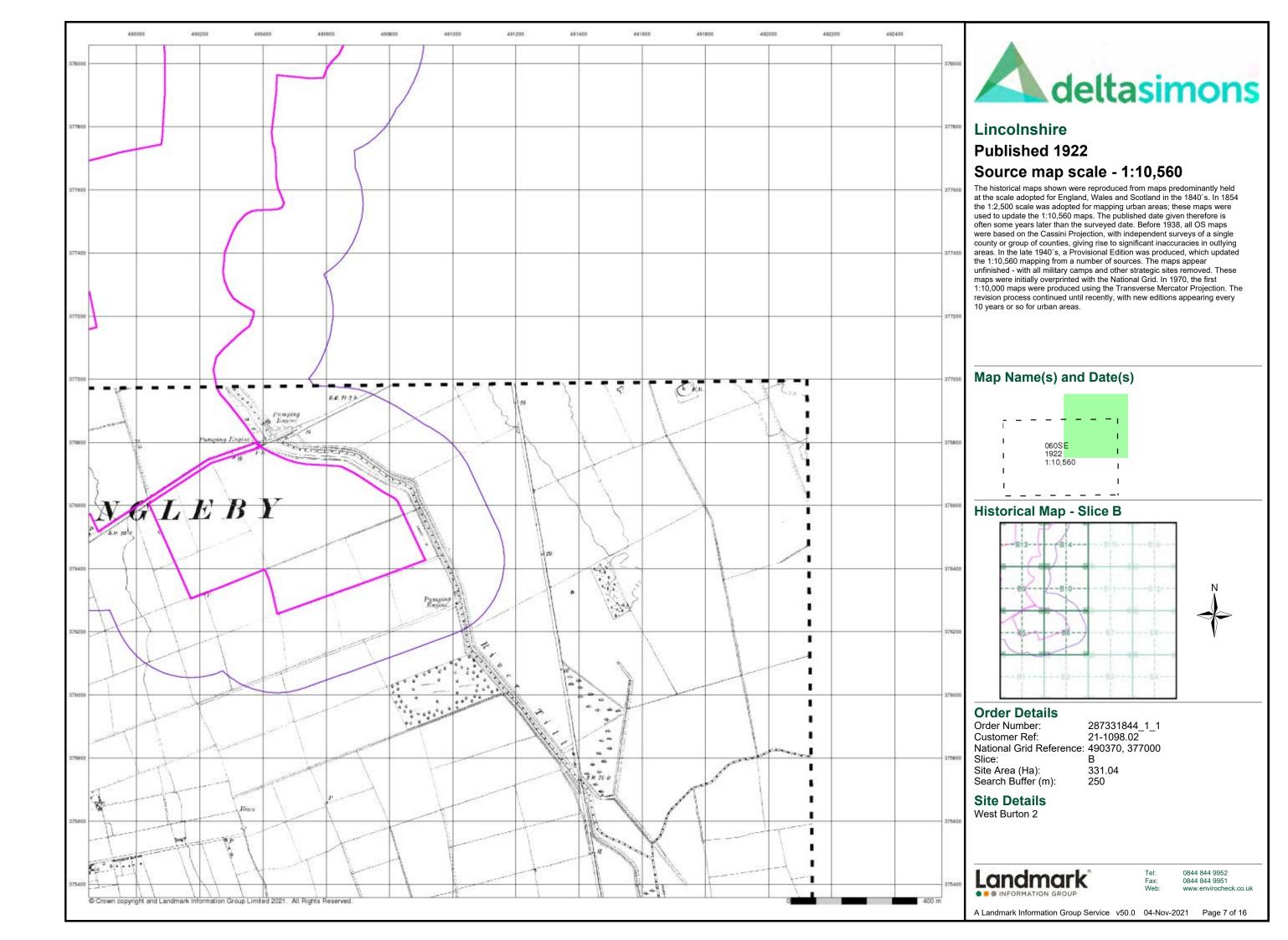
A Landmark Information Group Service v50.0 04-Nov-2021 Page 2 of 16

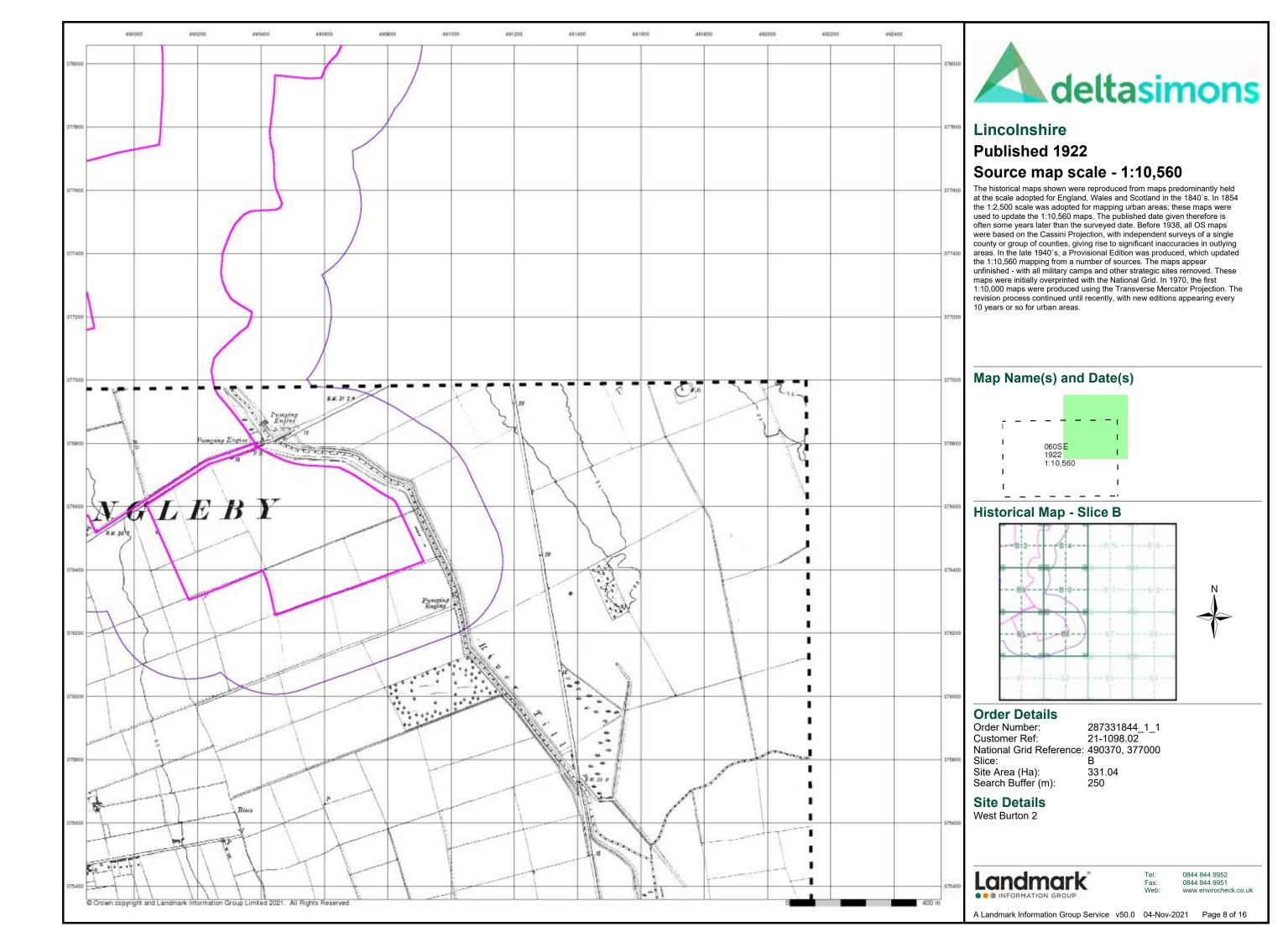


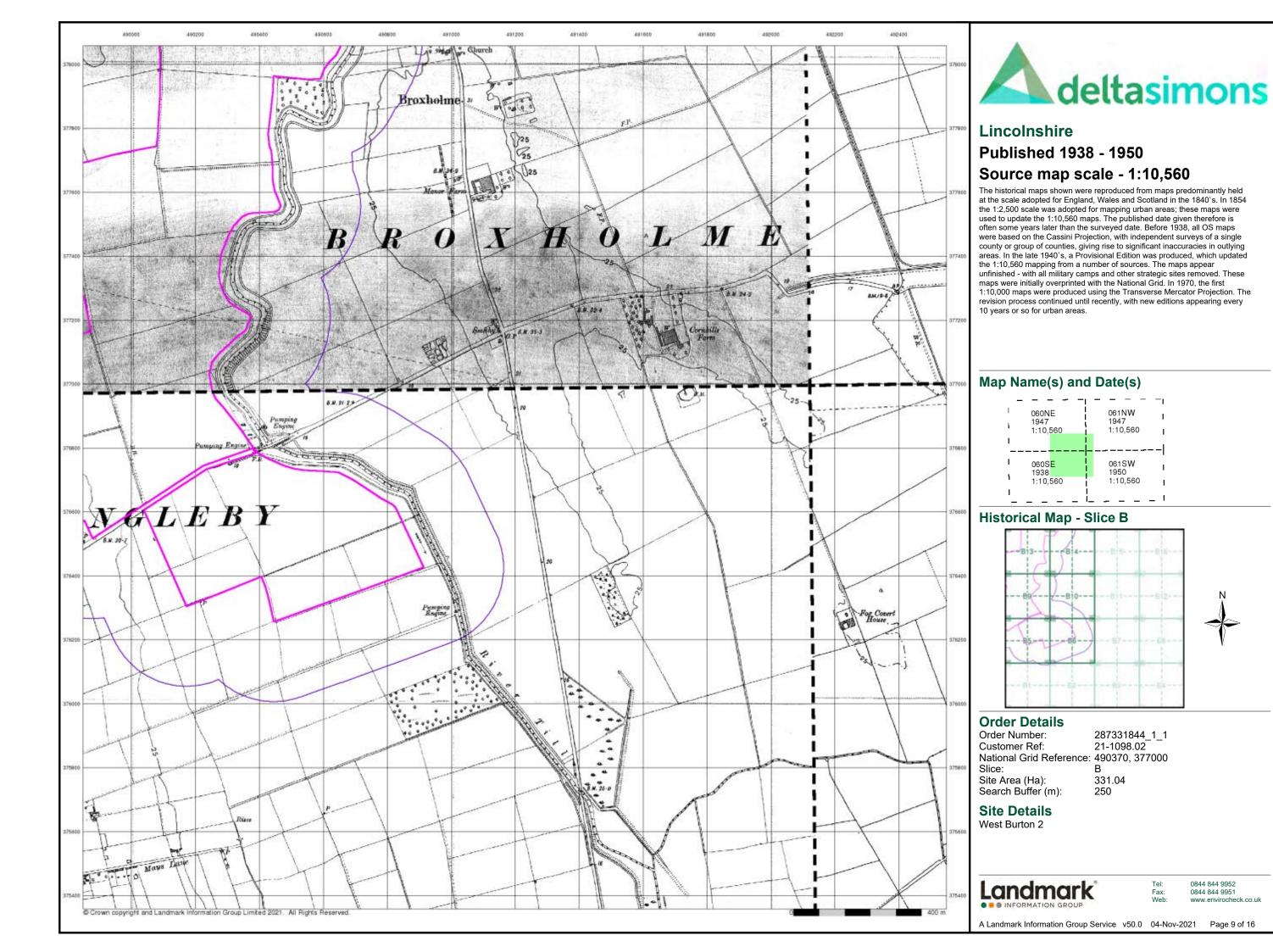


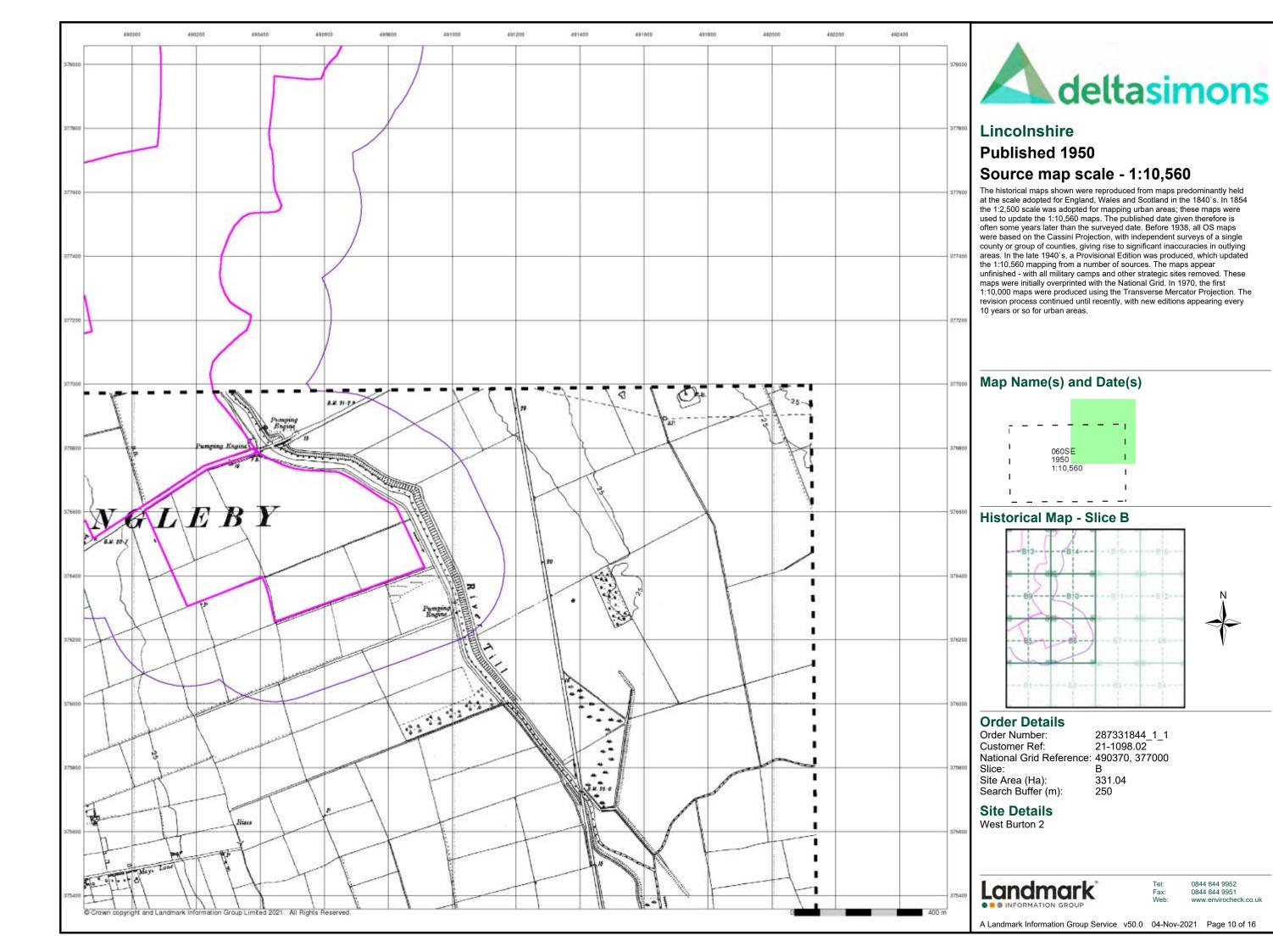


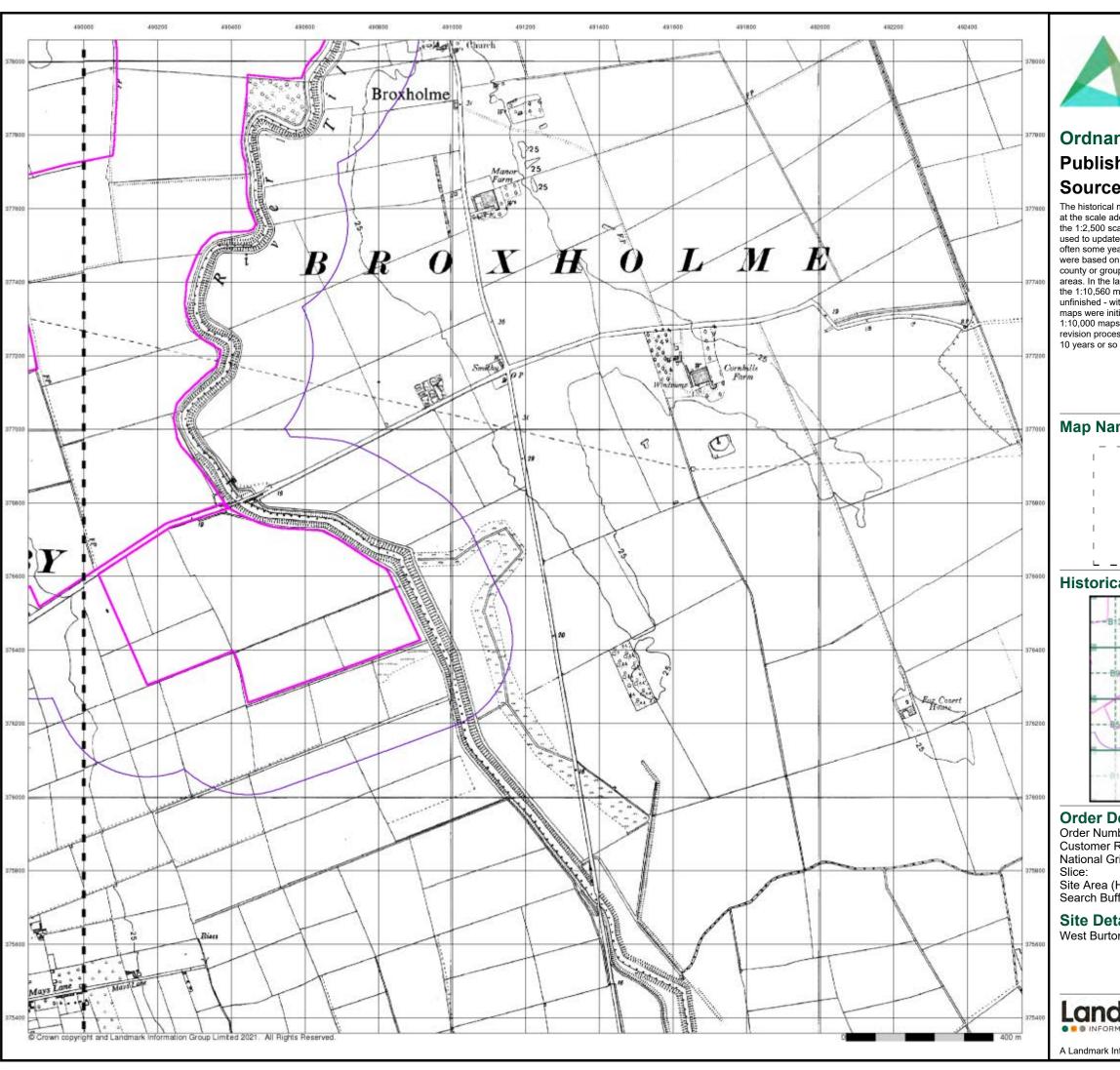










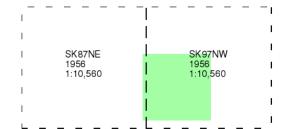




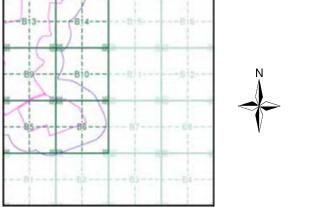
# **Ordnance Survey Plan** Published 1956 Source map scale - 1:10,000

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: 287331844\_1\_1 Customer Ref: 21-1098.02 National Grid Reference: 490370, 377000

Site Area (Ha): Search Buffer (m): 331.04

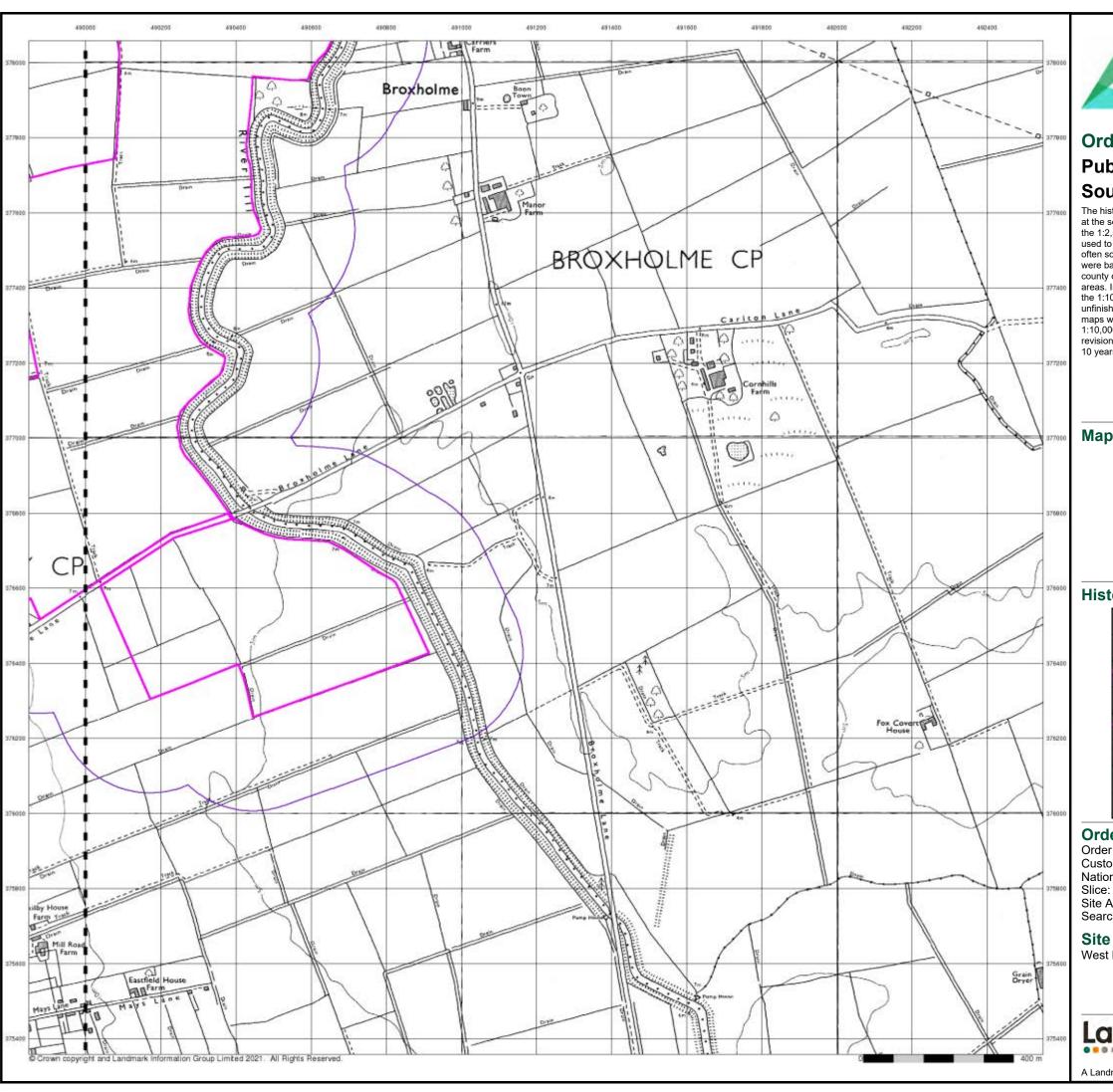
# **Site Details**

West Burton 2



0844 844 9952 0844 844 9951

A Landmark Information Group Service v50.0 04-Nov-2021 Page 11 of 16

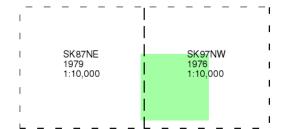




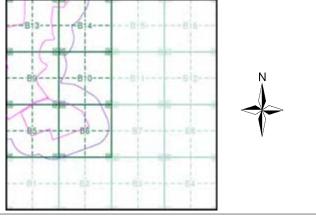
# **Ordnance Survey Plan Published 1976 - 1979** Source map scale - 1:10,000

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: 287331844\_1\_1 **Customer Ref:** 21-1098.02 National Grid Reference: 490370, 377000

Site Area (Ha): Search Buffer (m): 331.04

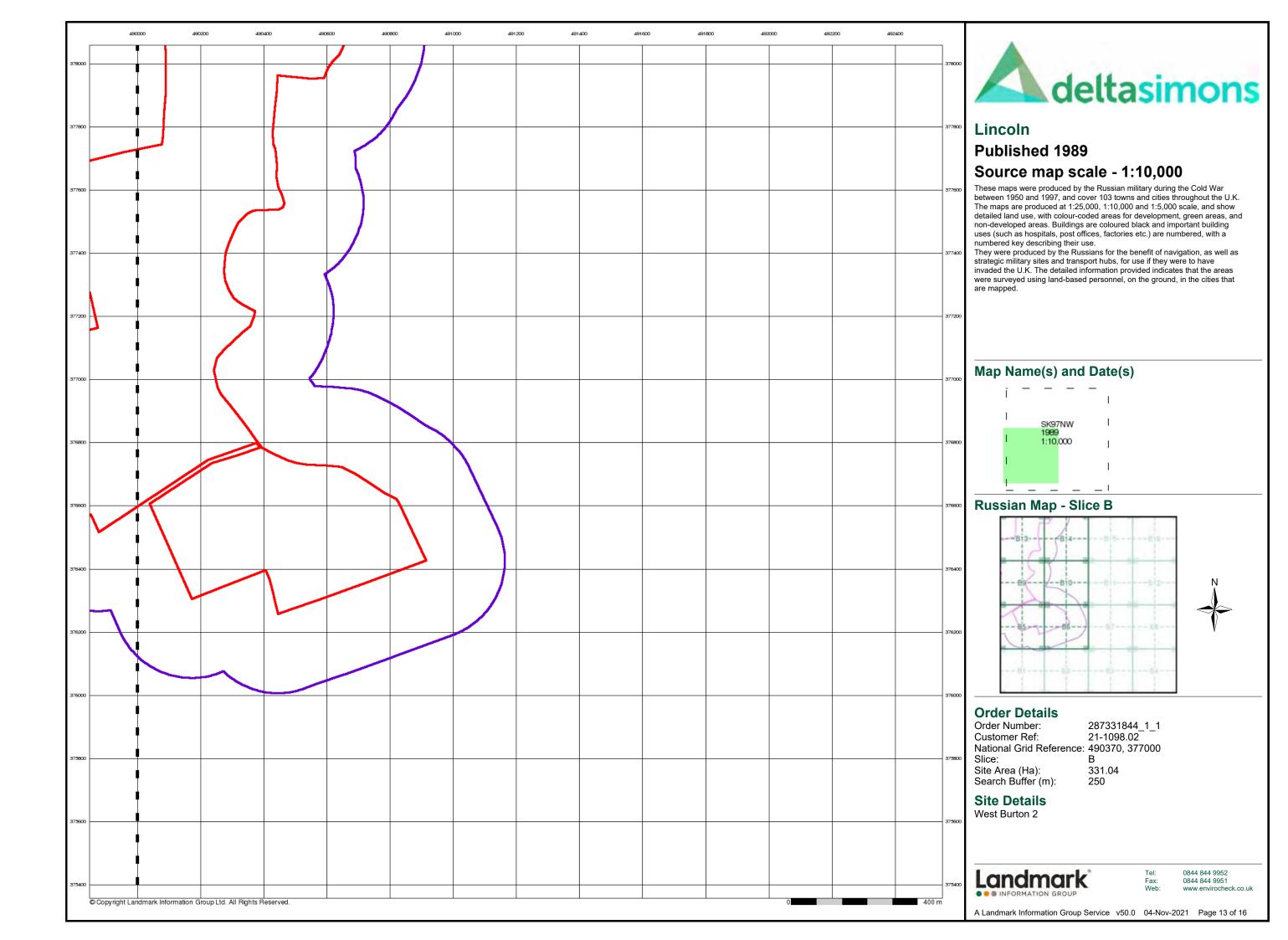
# **Site Details**

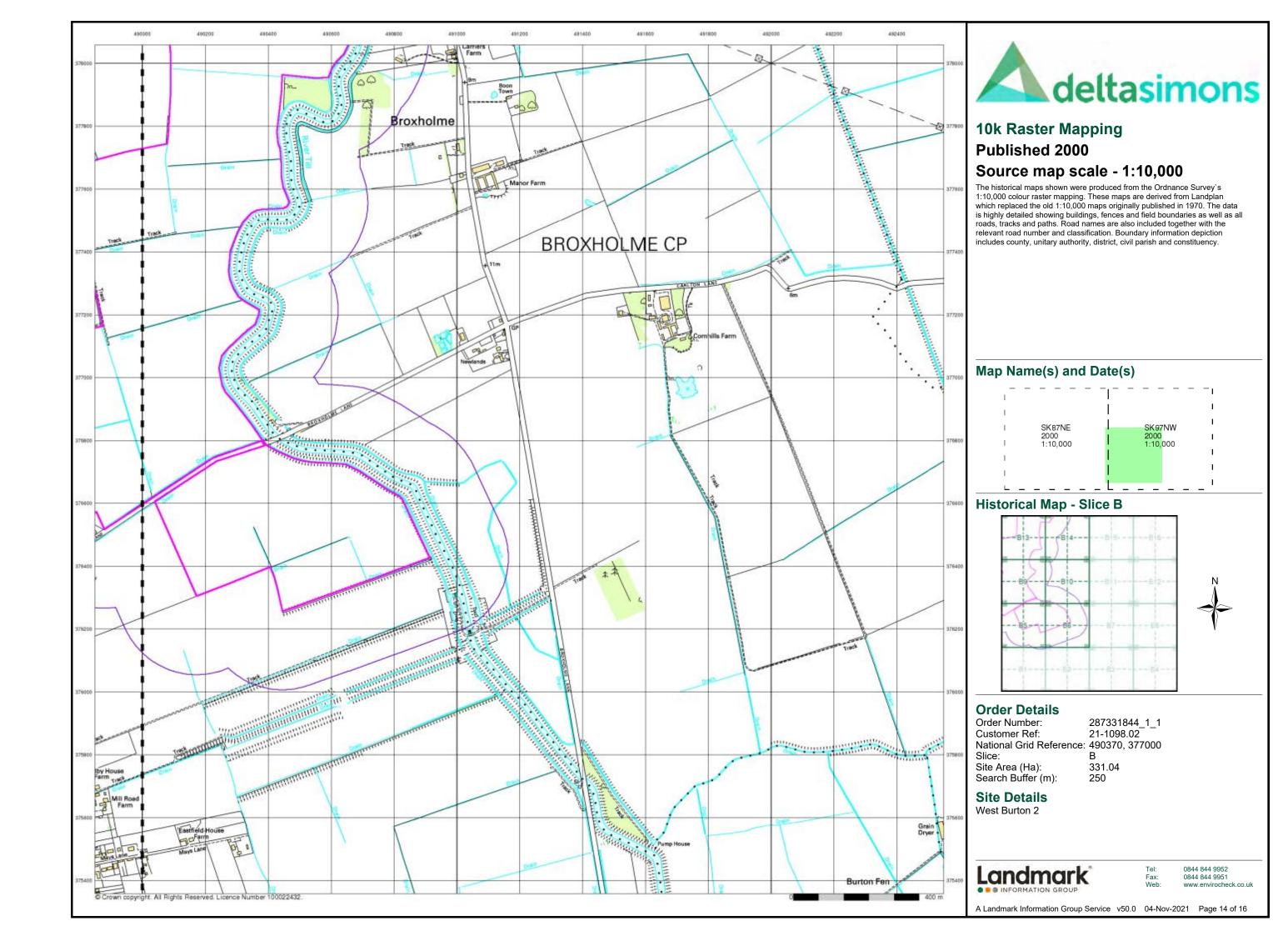
West Burton 2

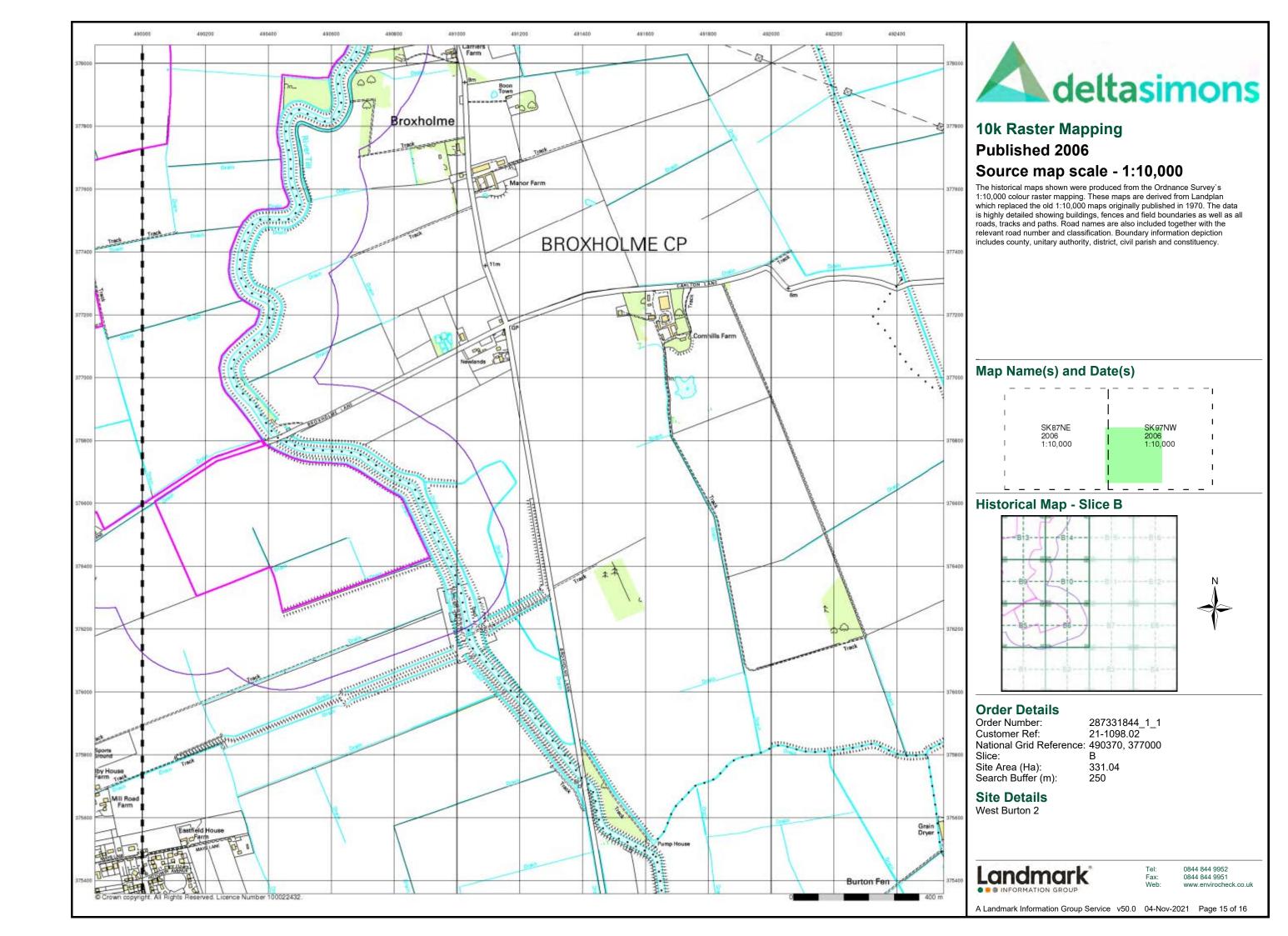


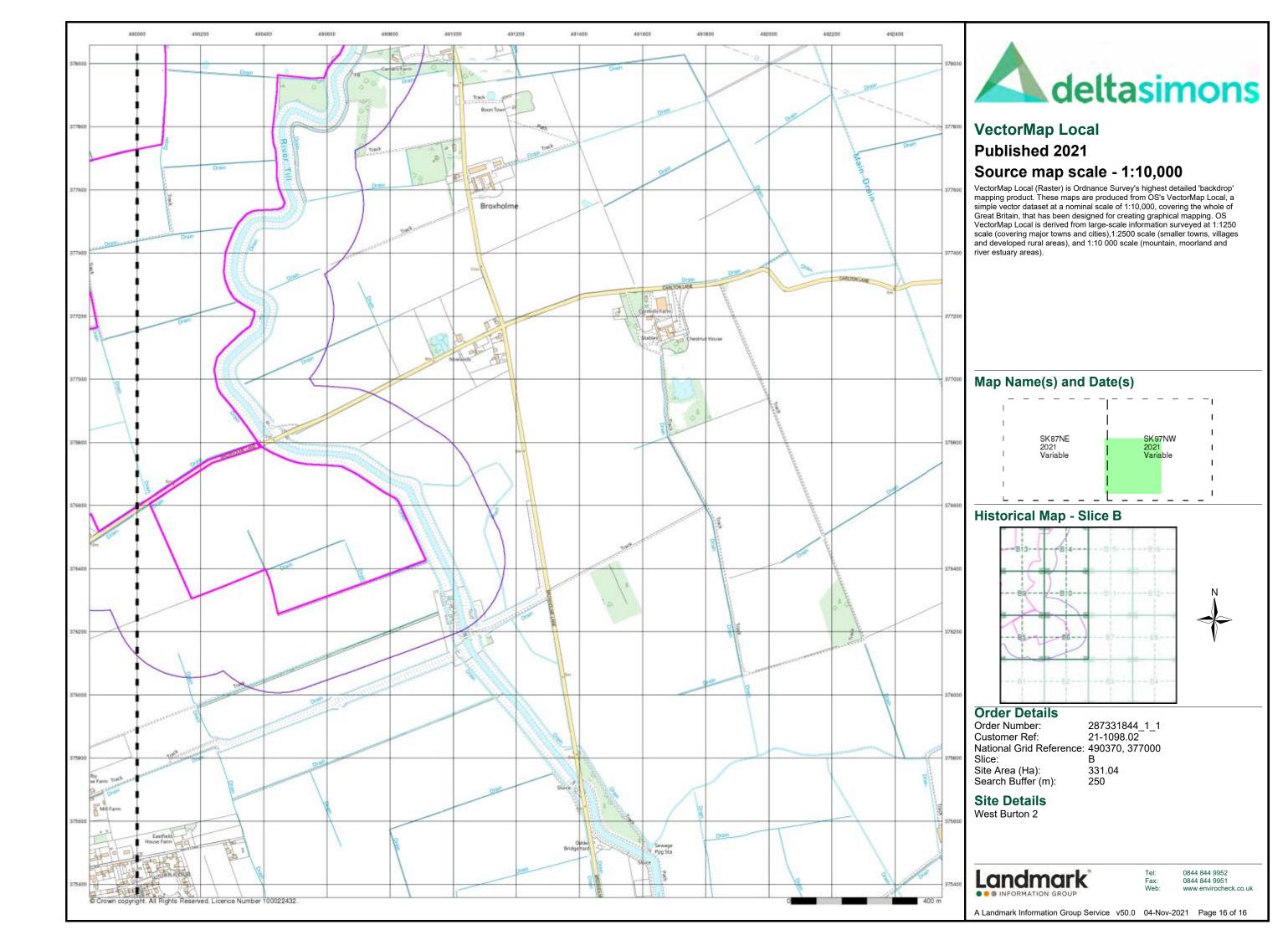
0844 844 9952

A Landmark Information Group Service v50.0 04-Nov-2021 Page 12 of 16

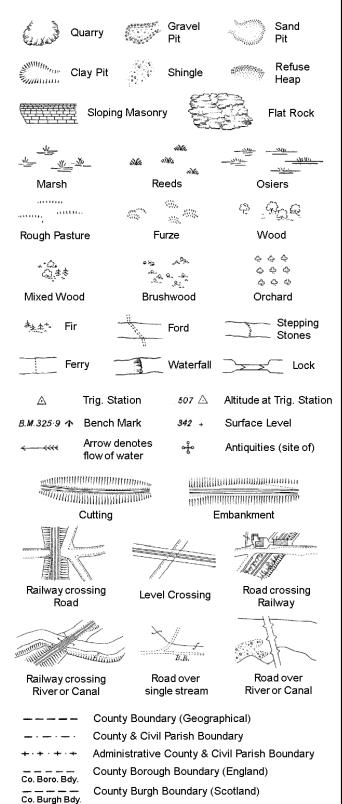








#### **Ordnance Survey County Series and** Ordnance Survey Plan 1:2,500



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

NTL

Normal Tidal Limit

Signal Post

Pump

Sluice

Spring

Trough

Well

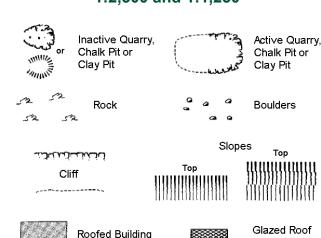
S.P

Sl.

 $T_T$ 

T.C.B

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 Archway Masonry Non-Coniferous Tree Coniferous Tree

Buildina

(surveyed) (surveyed) Non-Coniferous Trees Coniferous Trees ಟ್ಟಿಟ್ಟ (not surveyed) (not surveyed) Orchard Scrub Bracken డ్తి

Marsh, Coppice, Reeds Saltings Rough Culvert ш<sub>и</sub> Heath 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

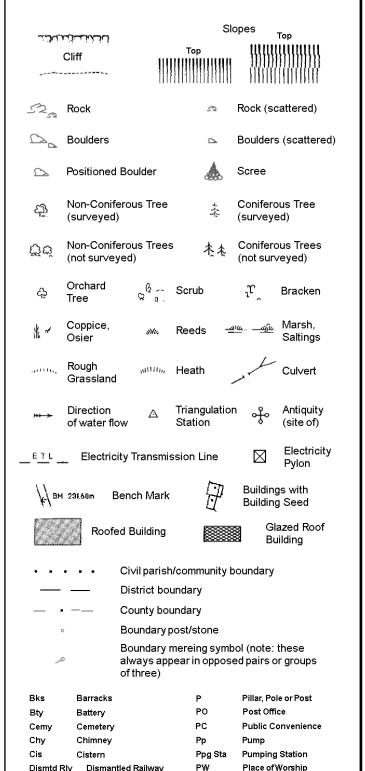
mereing changes

Beer House Pillar, Pole or Post **Boundary Post or Stone** РО Post Office Capstan, Crane **Public Convenience** PH Chv Public House 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 Wr Pt. W Water Point, Water Tap MS

Wd Pp

Wind Pump

1:1,250



Dismtd RIv

El Gen Sta

Fn/DFn

FΒ

GVC

Dismantled Railway

Electricity Pole, Pillar

Fountain / Drinking Ftn.

Gas Valve Compound

Mile Post or Mile Stone

El Sub Sta Electricity Sub Station

Filter Bed

Gas Governer

**Guide Post** 

Manhole

**Electricity Generating** 

Sewage Ppg Sta Sewage

Spring

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Tank or Track

Spr

Tk

Tr

Wd Pp

Wks

Signal Box or Bridge

Signal Post or Light

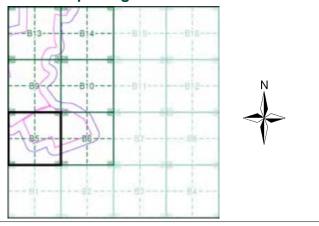
Works (building or area)



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

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Lincolnshire	1:2,500	1920	4
Ordnance Survey Plan	1:2,500	1972 - 1973	5
Additional SIMs	1:2,500	1986 - 1993	6
Additional SIMs	1:2,500	1993	7
Large-Scale National Grid Data	1:2,500	1994	8
Historical Aerial Photography	1:2,500	1999	9

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



#### **Order Details**

Order Number: 287331844\_1\_1 21-1098.02 **Customer Ref:** National Grid Reference: 490370, 377000 Slice:

Site Area (Ha):

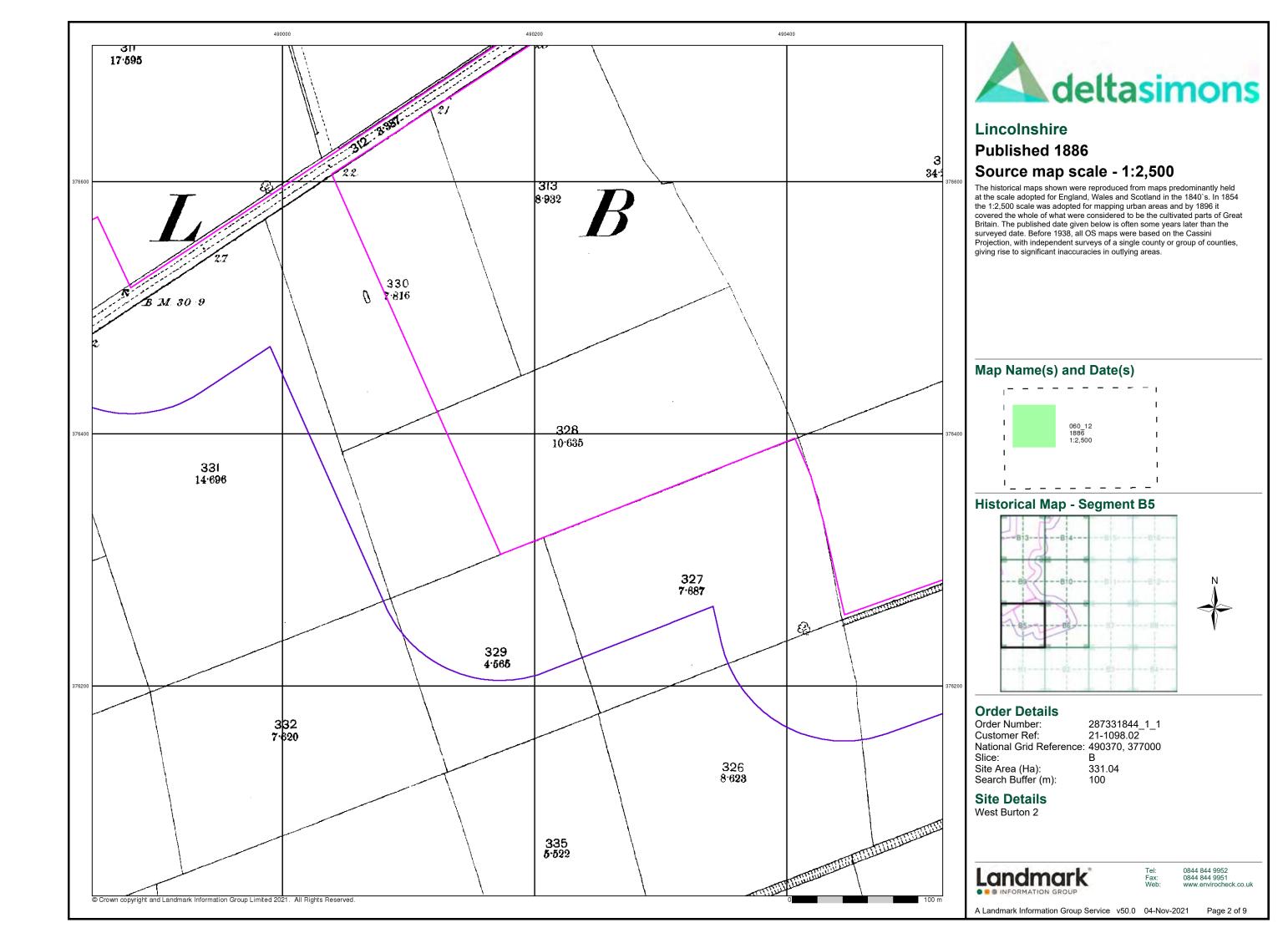
331.04 Search Buffer (m): 100

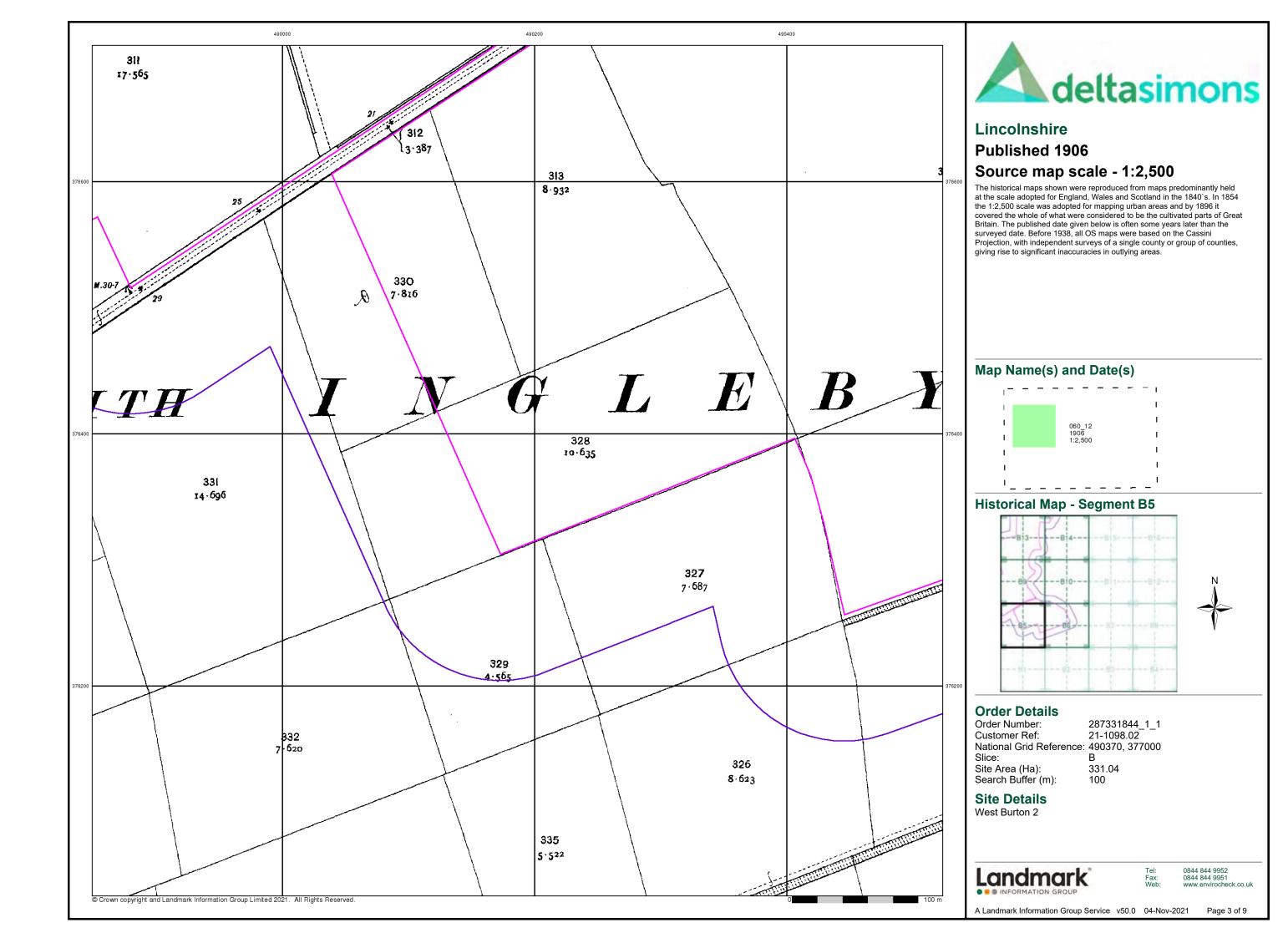
#### **Site Details** West Burton 2

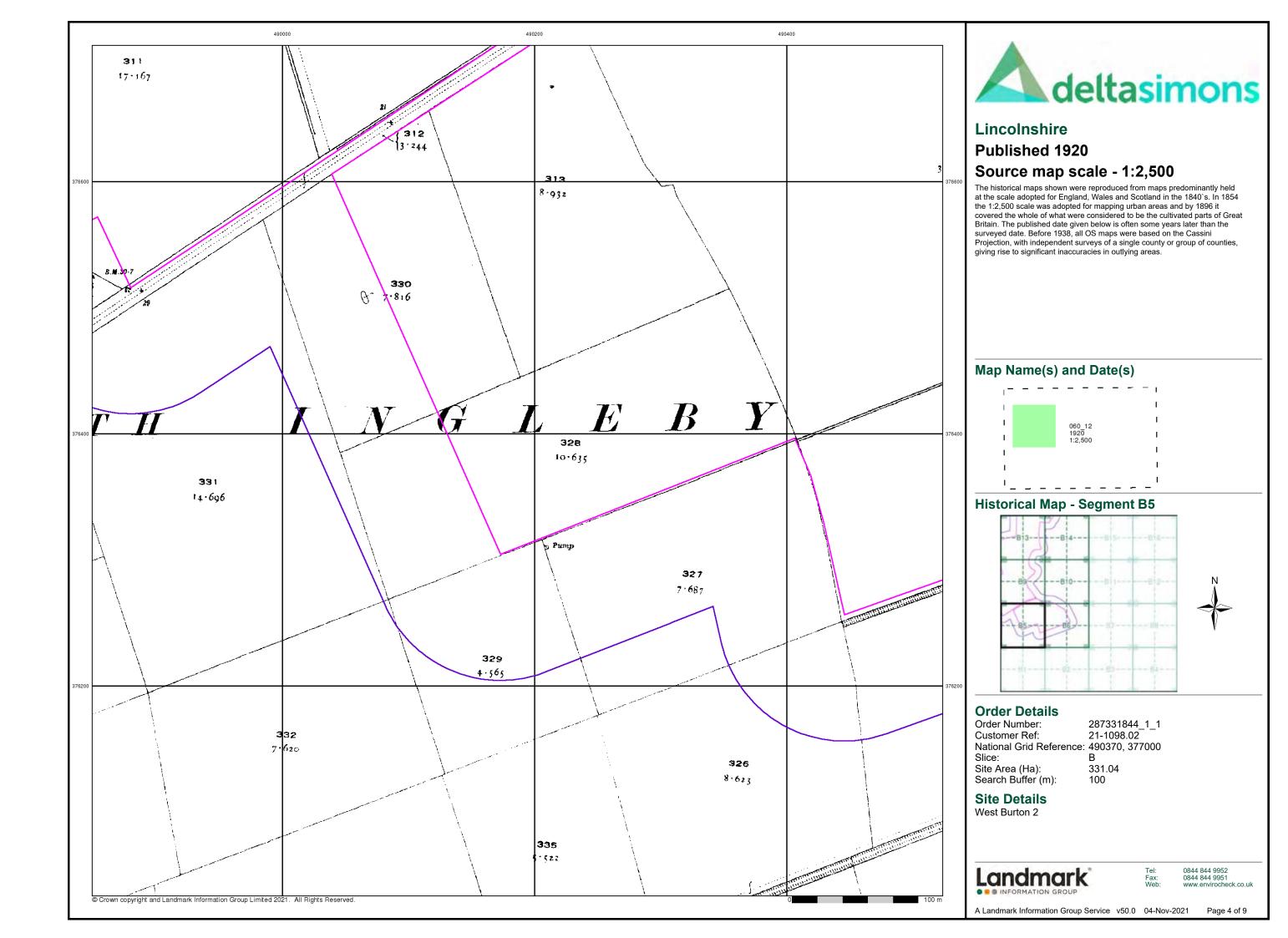
Landmark

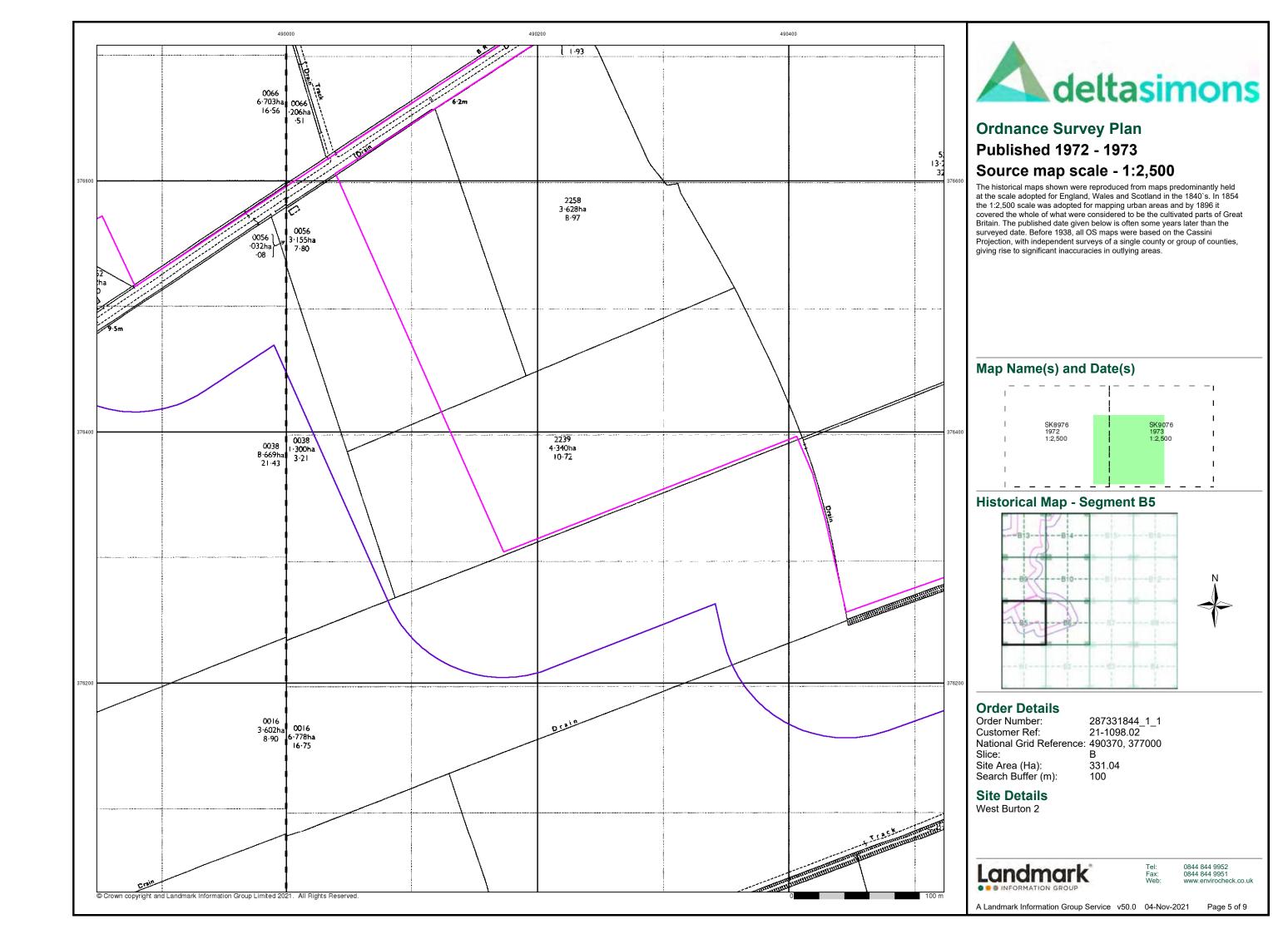
0844 844 9952 0844 844 9951

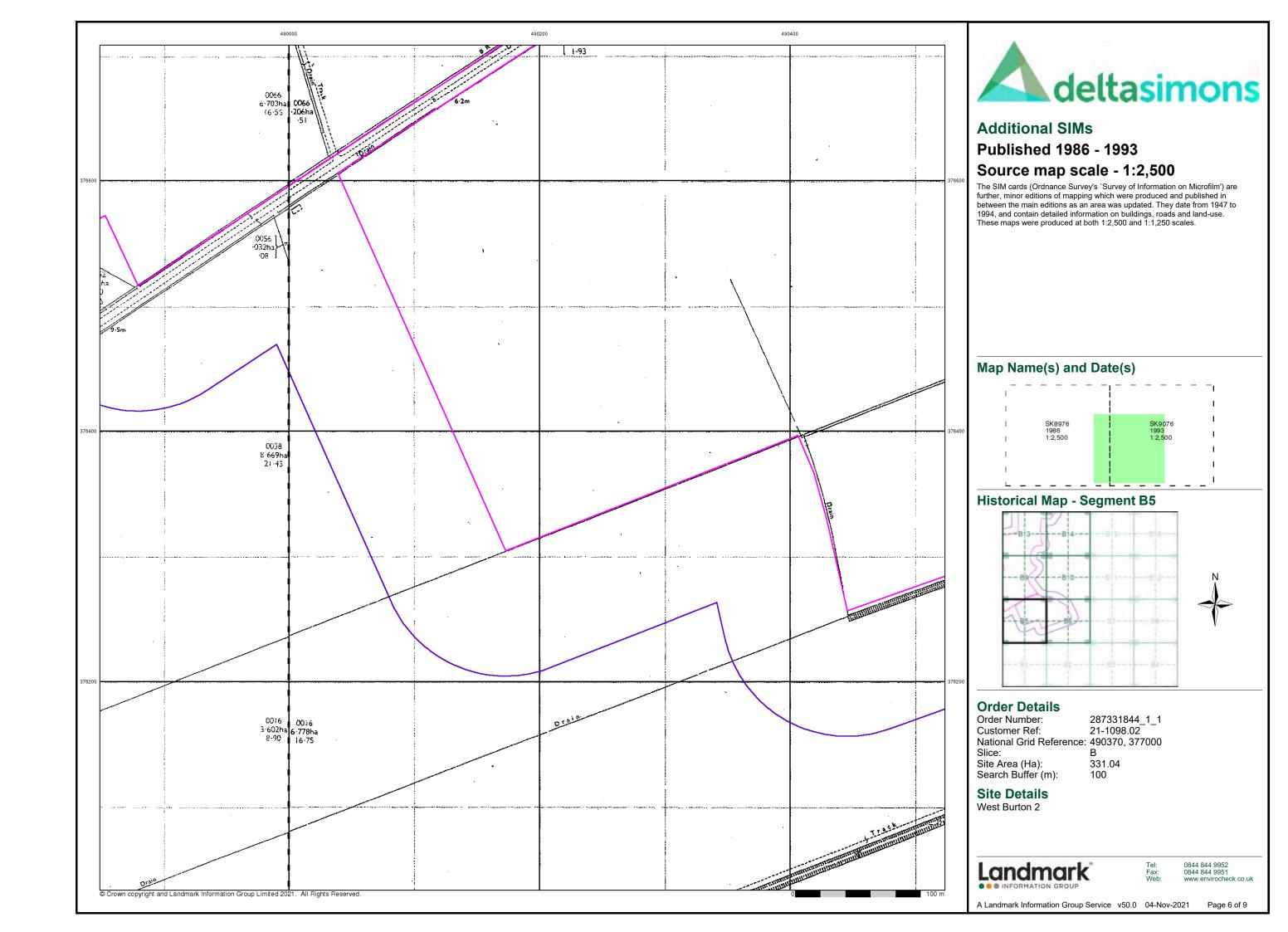
Page 1 of 9

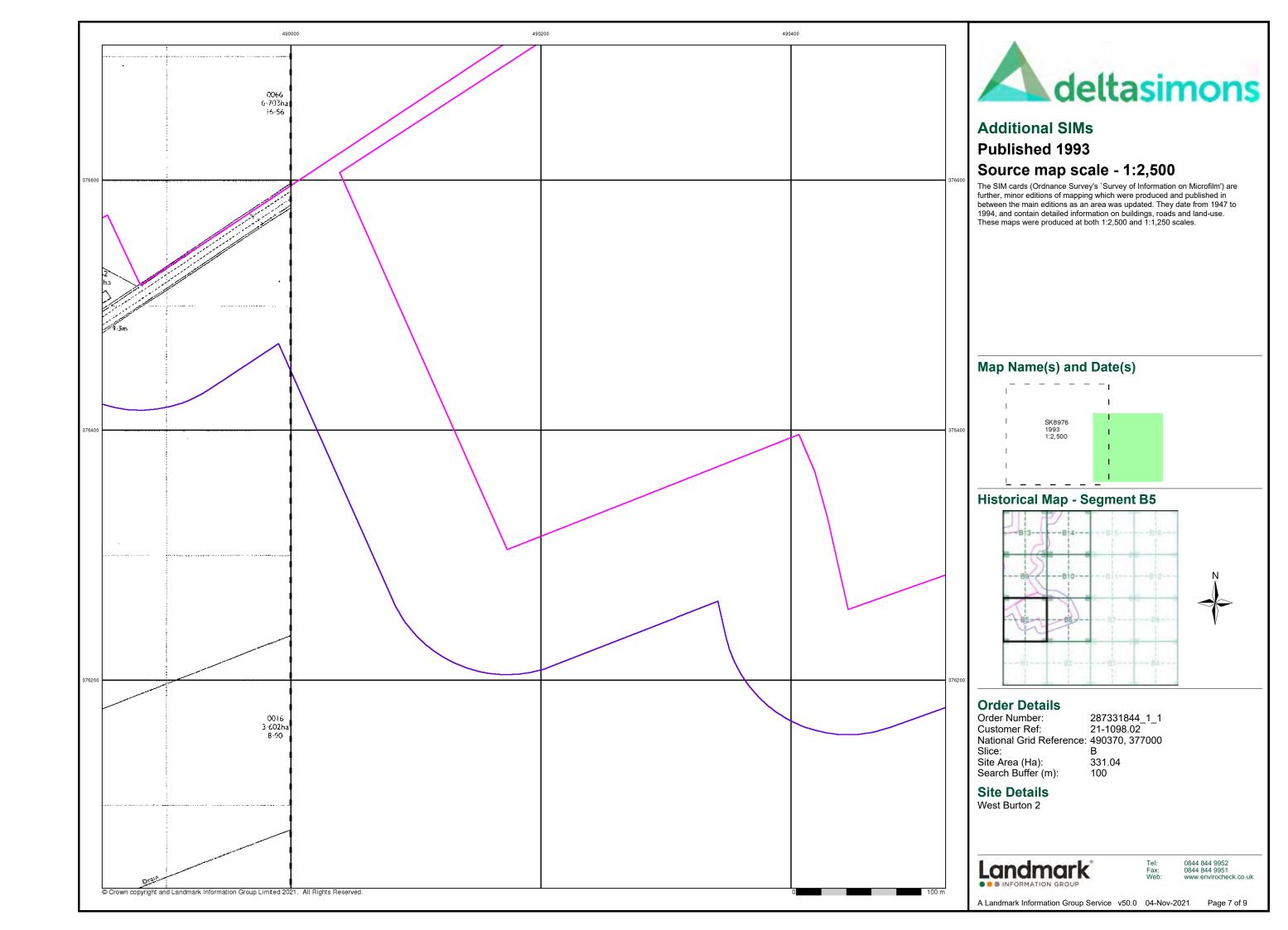


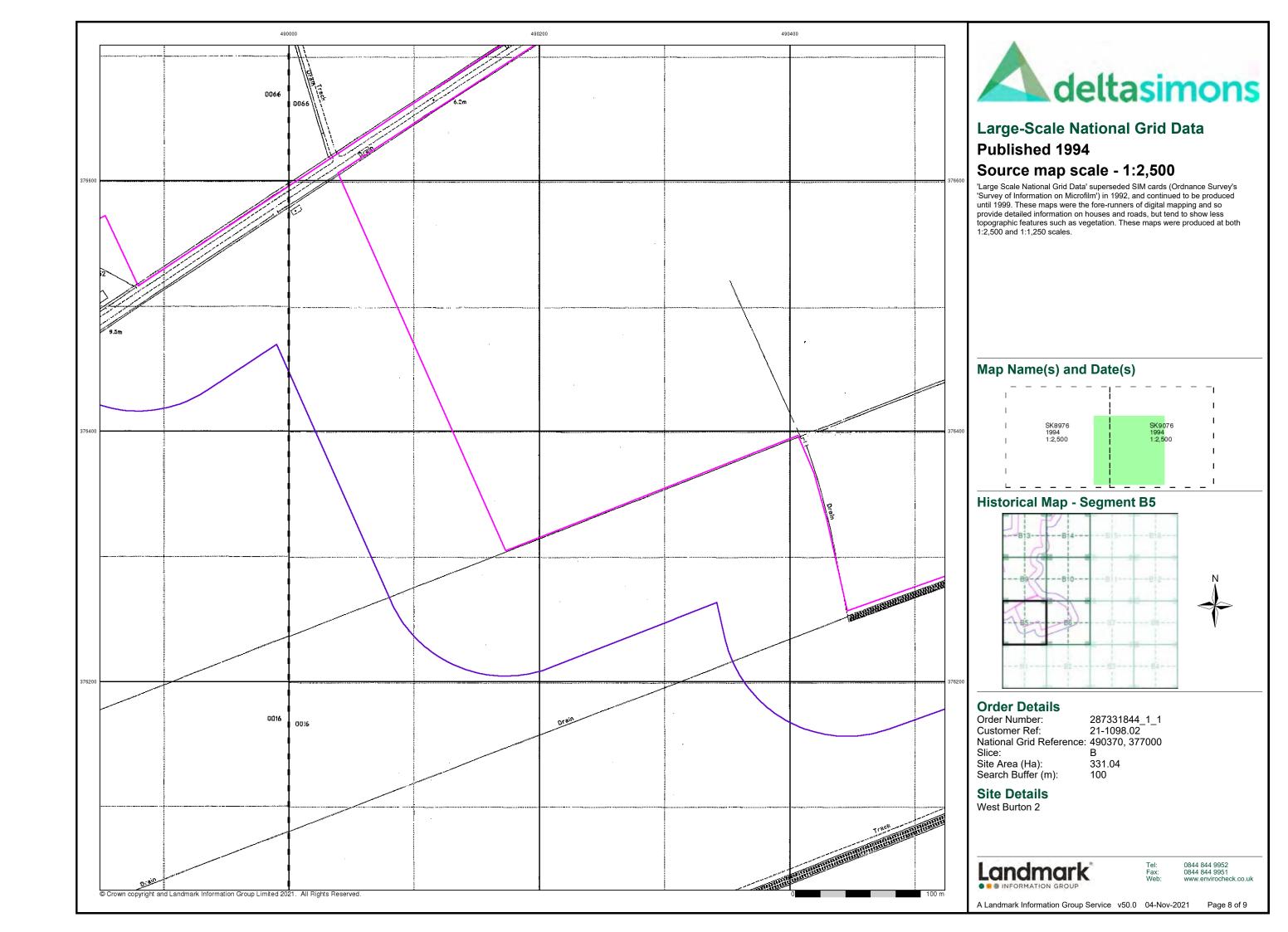


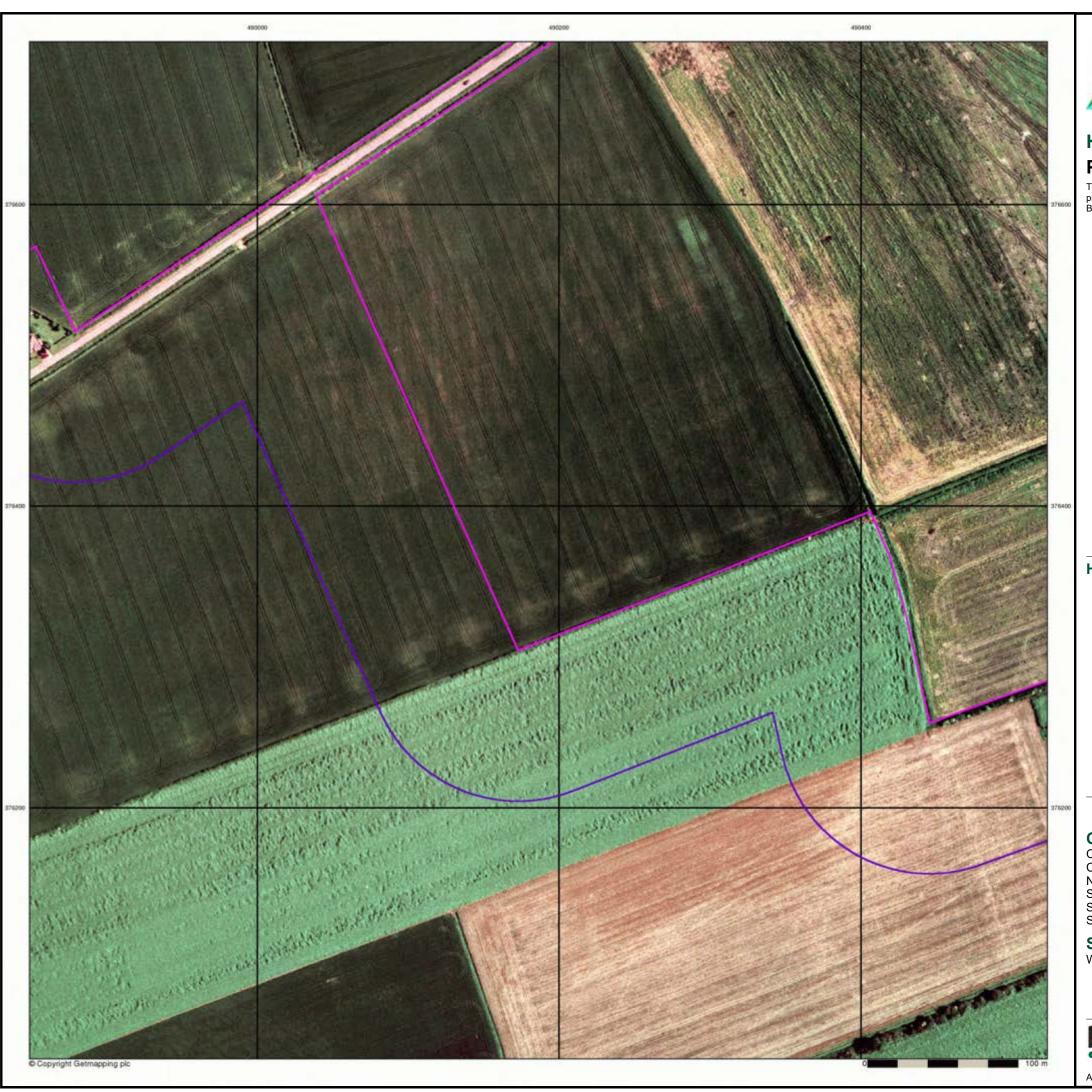










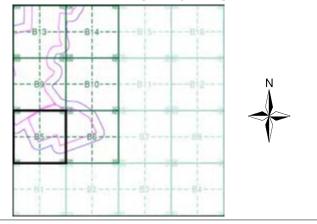




# **Historical Aerial Photography** Published 1999

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 B5**



#### **Order Details**

Order Number: 287331844\_1\_1
Customer Ref: 21-1098.02
National Grid Reference: 490370, 377000 Slice:

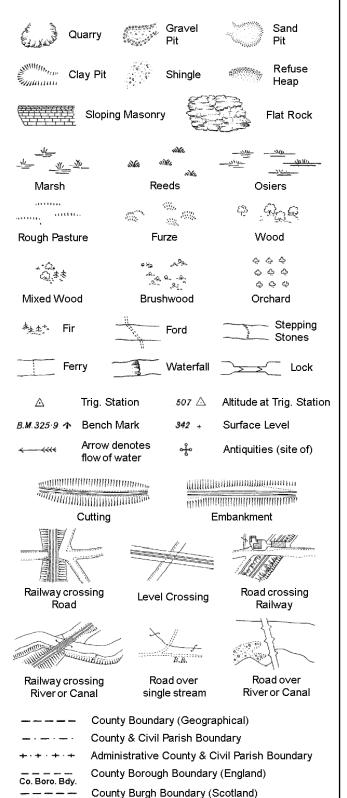
Site Area (Ha): Search Buffer (m): 331.04

**Site Details** West Burton 2

Landmark

0844 844 9952 0844 844 9951 www.envirocheck.co.uk

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



Co. Burgh Bdy.

Bridle Road

Foot Bridge

Mile Stone

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

Electricity Pylor

Guide Post or Board

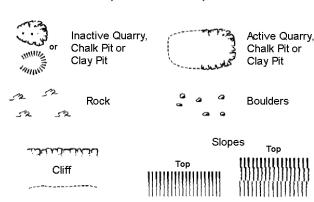
B.R.

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



Roofed Building Sloping

(surveyed)

Orchard

Coppice,

Rough

Grassland

Direction

Entrance

Cave

L B Bdy

Chy

D Fn

EIP

FAP

FB

LC

MP

MS

NTL

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

Trough

Well

S.P

Sl.

 $T_T$ 

T.C.B

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** 

of water flow

(not surveyed)

ಟ್ಟಿಟ್ಟ

Non-Coniferous Tree

Non-Coniferous Trees

Masonry

**Electricity Transmission Line** 

Bench

Station

Civil Parish Boundary

mereing changes

London Borough Boundary

РО

PH

SB, SB

SP. SL

Τk

TCB

TCP

Wd Pp

Triangulation

County Boundary (Geographical)

Admin. County or County Bor. Boundary

Symbol marking point where boundary

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

County & Civil Parish Boundary

Archway

Coniferous Tree (surveyed)

Glazed Roof

Buildina

Coniferous Trees (not surveyed) © G Scrub

Reeds











Bracken





Bks

Barracks





**Buildings** with

**Building Seed** 

Pillar. Pole or Post

 $\boxtimes$ 





County boundary Boundary post/stone Boundary mereing symbol (note: these

District boundary

1:1,250

Cliff

Rock

Boulders

(surveyed)

(not surveyed)

Orchard

Coppice,

Rough

Grassland

Direction

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

Triangulation

Slopes

52

Rock (scattered)

Coniferous Tree

Coniferous Trees

Bracken

Marsh,

Saltings

Culvert

Antiquity

(site of)

Electricity

(not surveyed)

(surveyed)

Boulders (scattered)

always appear in opposed pairs or groups of three)

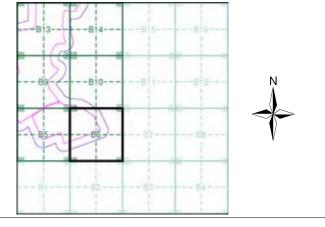
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Pp	g Sta Sewage Pumping Station
EIP	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	$\mathbf{Wr}\mathbf{Pt},\mathbf{Wr}\mathbf{T}$	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP MS	Mile Post or Mile Stone	w	Well



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

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Lincolnshire	1:2,500	1920	4
Ordnance Survey Plan	1:2,500	1973	5
Additional SIMs	1:2,500	1993	6
Large-Scale National Grid Data	1:2,500	1994	7
Historical Aerial Photography	1:2,500	1999	8

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



#### **Order Details**

Order Number: 287331844\_1\_1 21-1098.02 **Customer Ref:** National Grid Reference: 490370, 377000 Slice: 331.04 Site Area (Ha):

**Site Details** West Burton 2

Search Buffer (m):

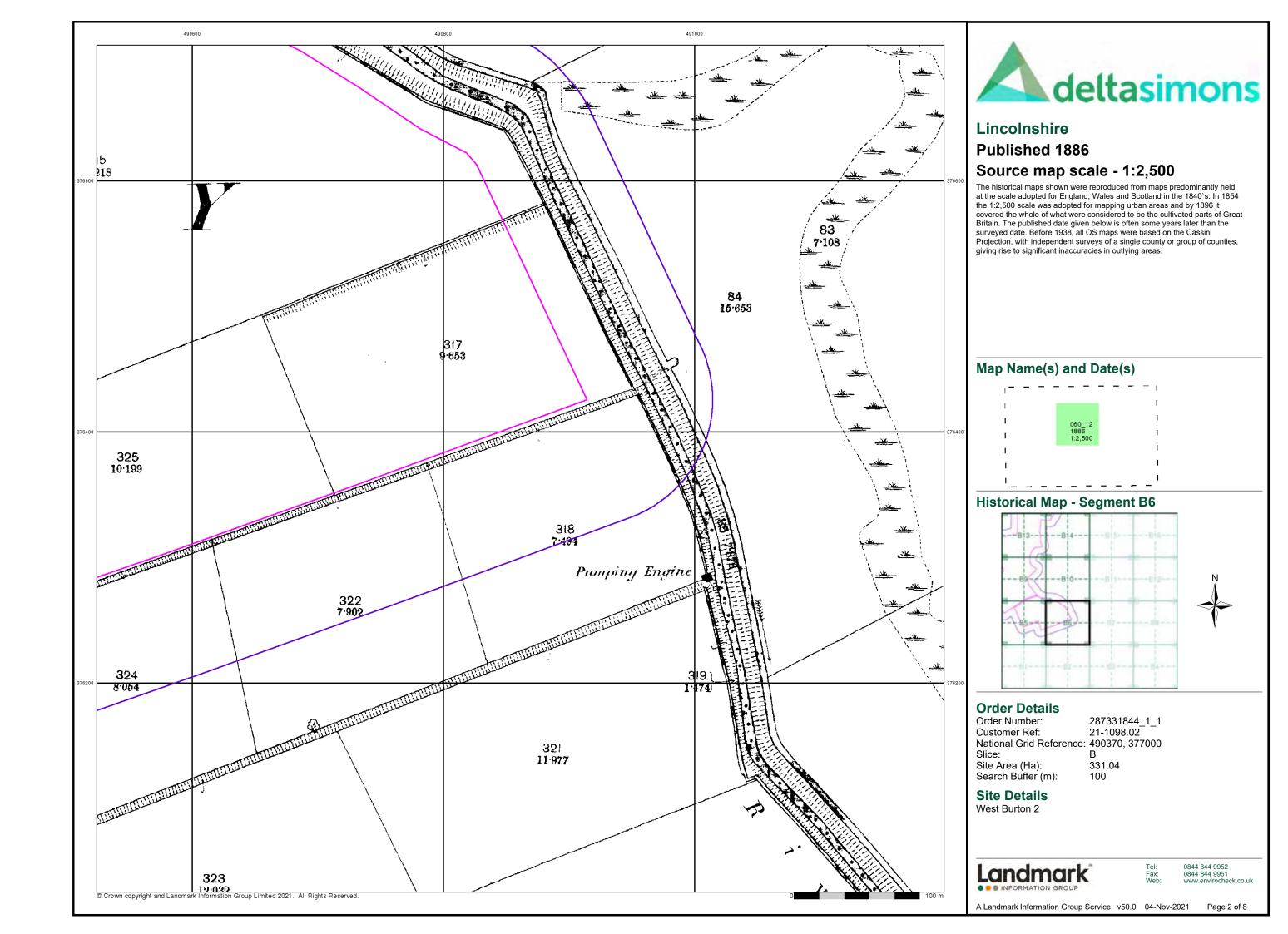
Landmark

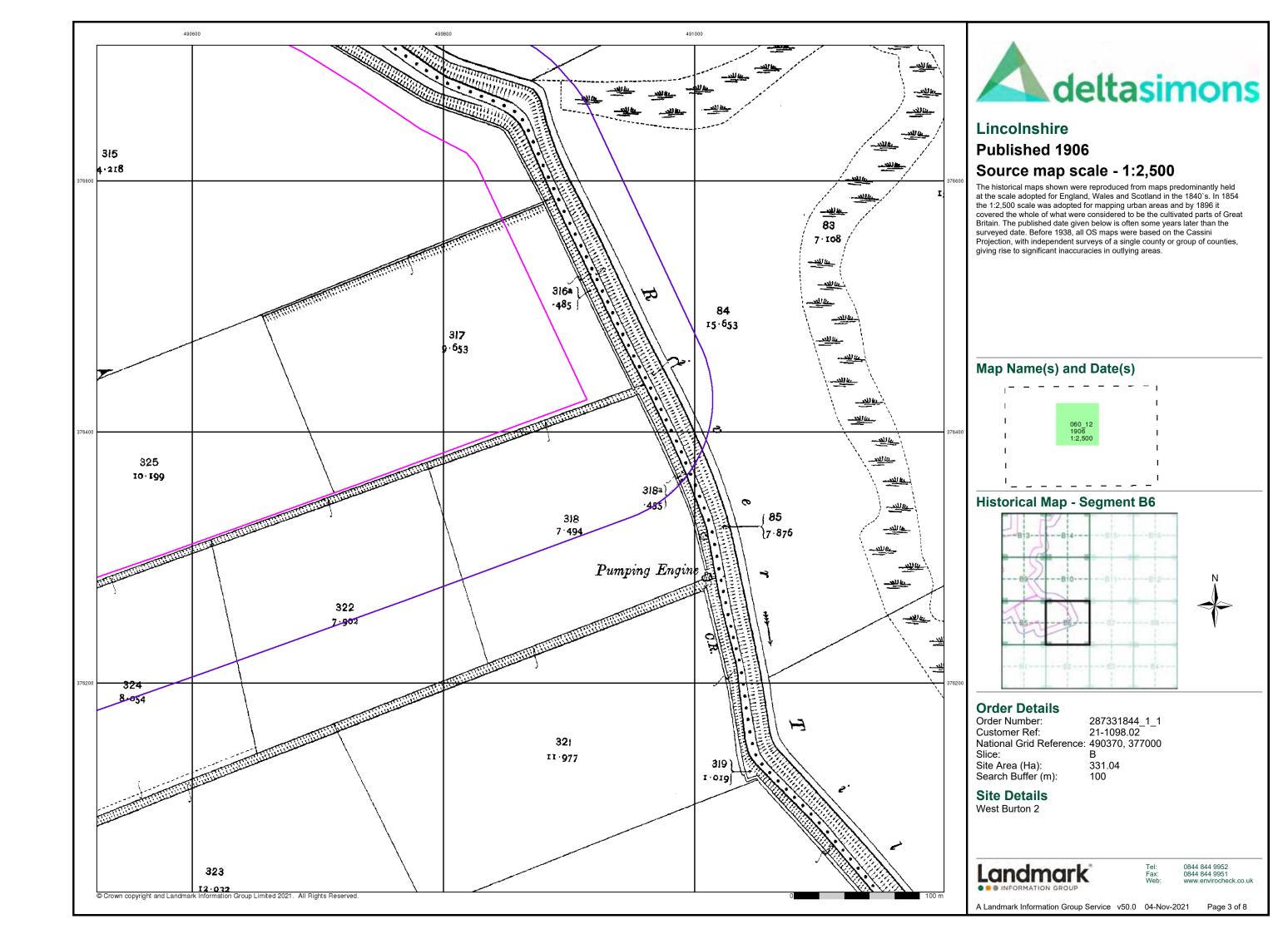
0844 844 9952 0844 844 9951

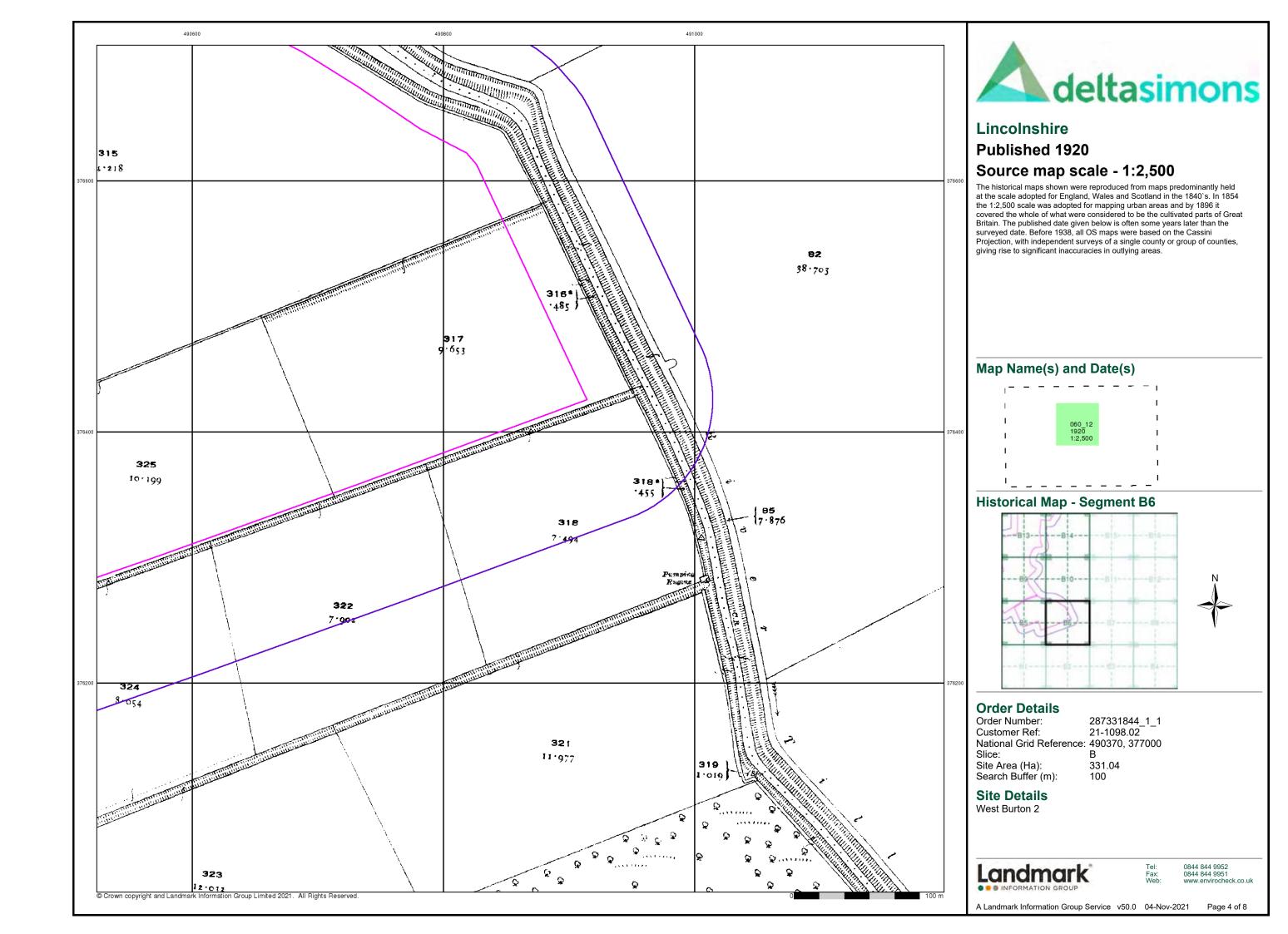
Page 1 of 8

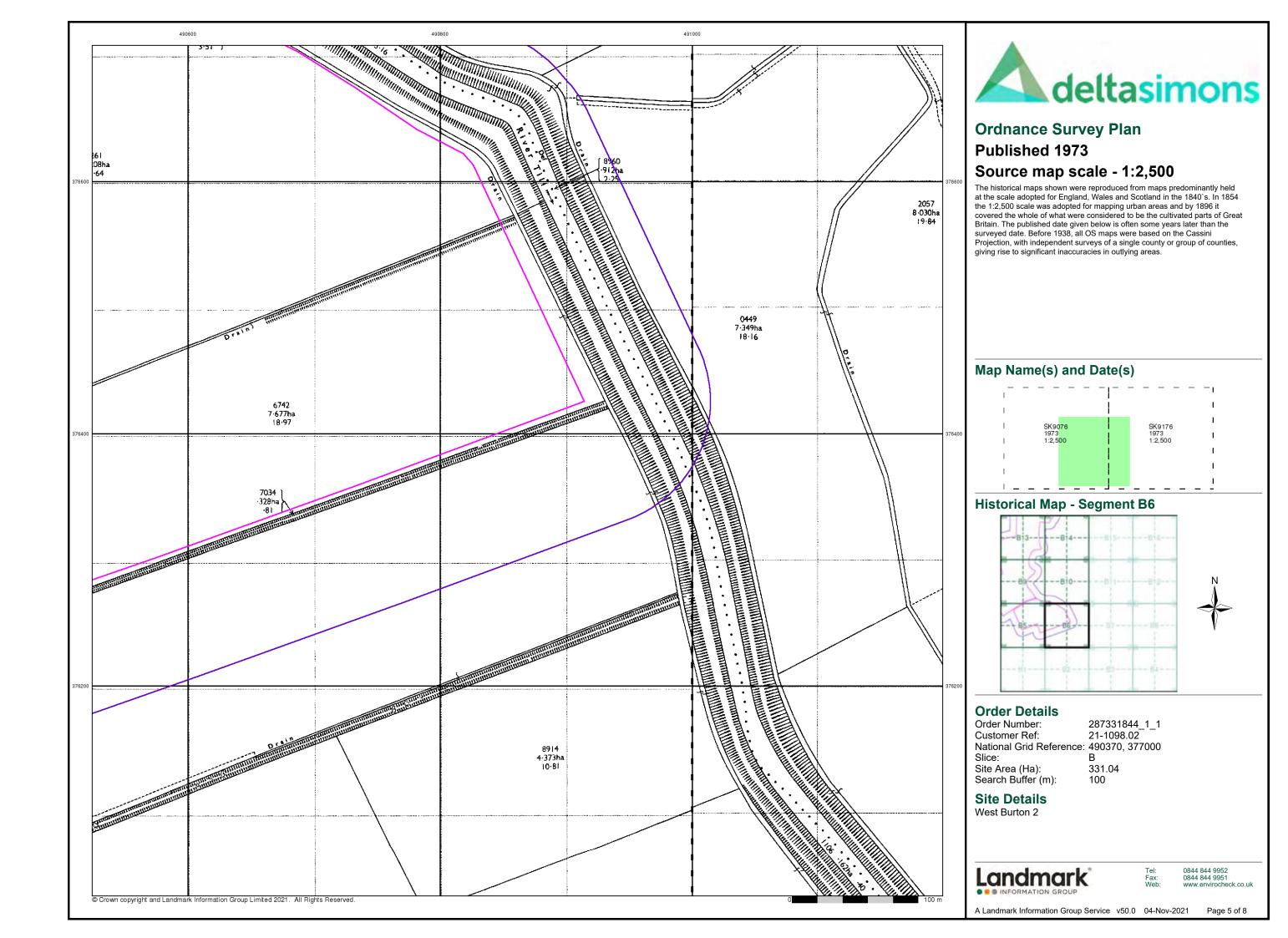
A Landmark Information Group Service v50.0 04-Nov-2021

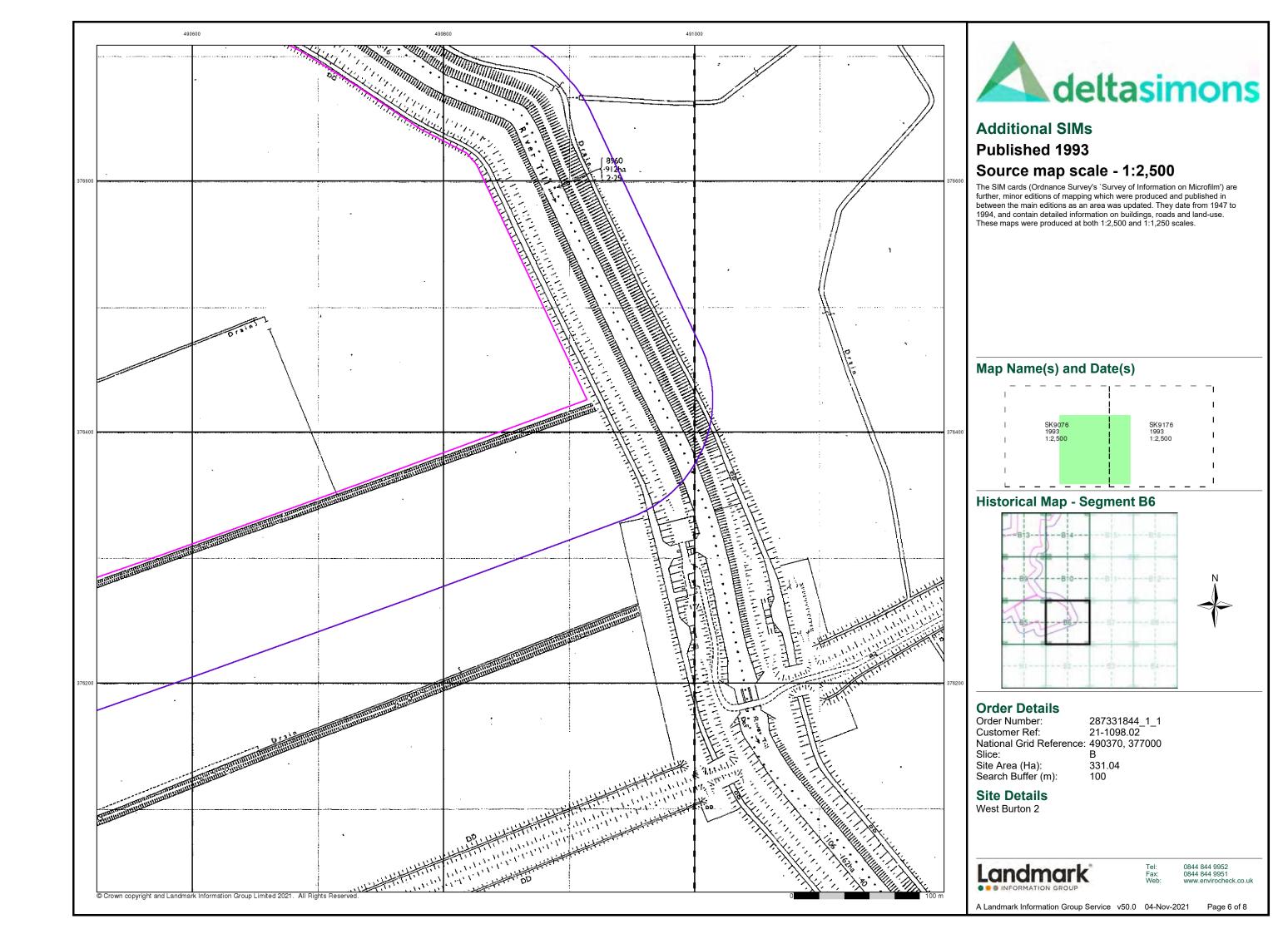
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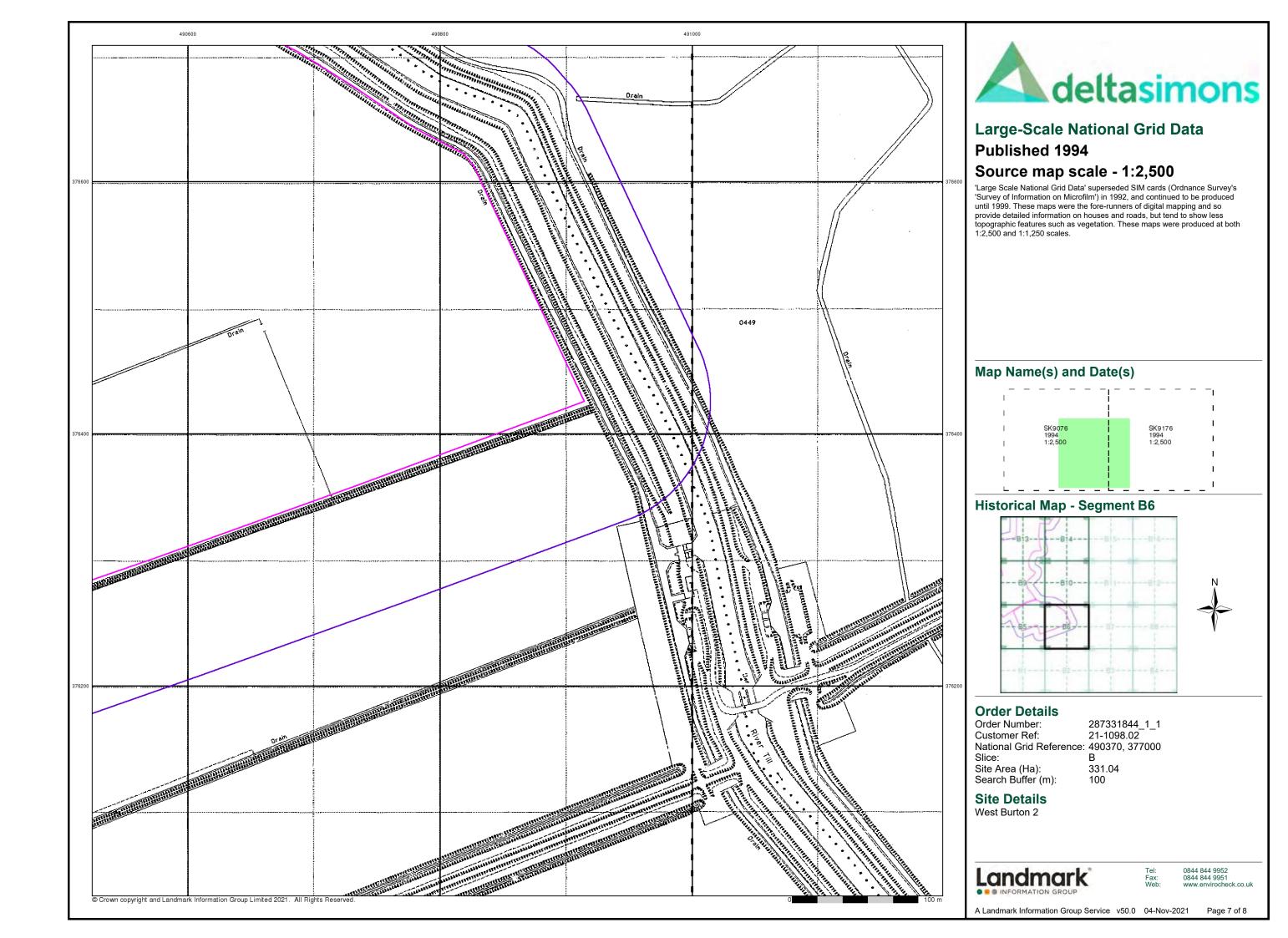


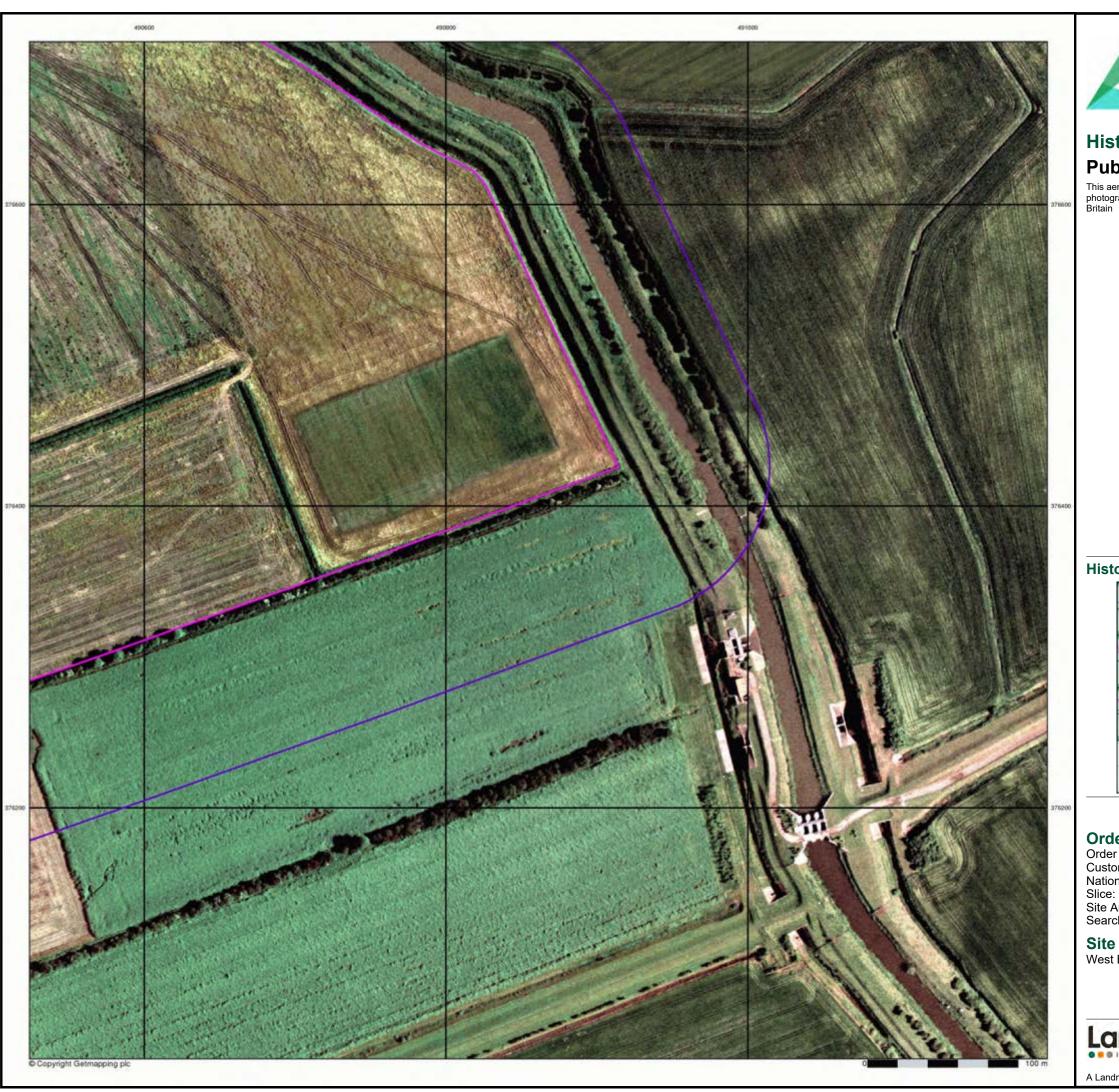










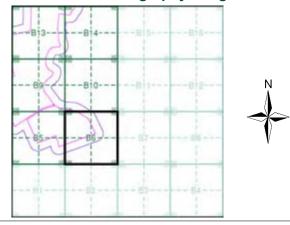




# **Historical Aerial Photography** Published 1999

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 B6**



#### **Order Details**

Order Number: 287331844\_1\_1
Customer Ref: 21-1098.02
National Grid Reference: 490370, 377000

Site Area (Ha): Search Buffer (m): 331.04 100

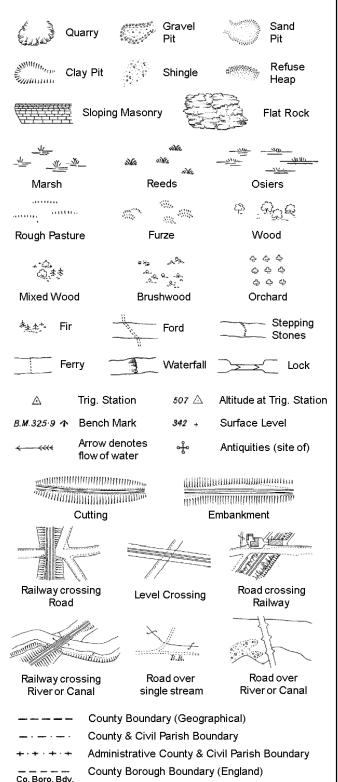
## **Site Details**

West Burton 2

Landmark\*

0844 844 9952 0844 844 9951 www.envirocheck.co.uk

#### **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

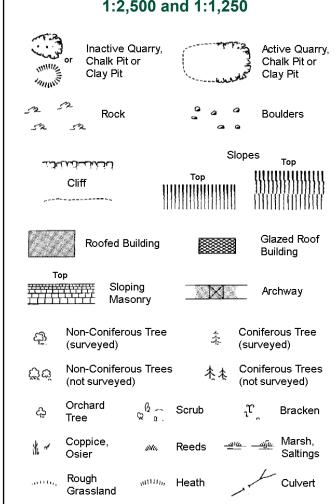
B.R.

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

		Slopes <sub>Top</sub>				
	CI: <del>tt</del> DEXXENE	Тор	utuuiimuu			
,	Cliff					
525	Rock	52	Rock (scattered)			
$\triangle_{\underline{a}}$	Boulders	<u>△</u>	Boulders (scattered)			
$\Box$	Positioned Boulder		Scree			
<u> </u>	Non-Coniferous Tree (surveyed)	*	Coniferous Tree (surveyed)			
ජීජ	Non-Coniferous Trees (not surveyed)	春春	Coniferous Trees (not surveyed)			
දා	Orchard $Q = \widehat{Q} = \widehat{Q}$	Scrub	າ້ Bracken			
* ~	Coppice, Osier	Reeds -벨	ارد Marsh, Saltings			
weller.	Rough mum, Grassland	Heath	Culvert			
<del>***                                  </del>	Direction △ of water flow	Triangulatior Station	Antiquity (site of)			
E <u>T</u> L	_ Electricity Transmis	sion Line	Electricity Pylon			
Buildings with Building Seed						
	Roofed Building		Glazed Roof Building			
· ·	Civil parish	community b	oundary			
_ •	—— County bou	ndary				
٥	Boundary p	ost/stone				
مر			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	Ppg Sta	Pumping Station			
Dismtd R		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 St	ta Electricity Sub Station	SP, SL	Signal Post or Light			
FB	Filter Bed	Spr	Spring			
Fn/DFn	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

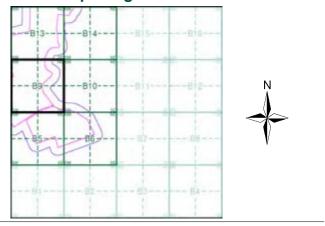
Works (building or area)



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

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Lincolnshire	1:2,500	1920	4
Ordnance Survey Plan	1:2,500	1972 - 1975	5
Additional SIMs	1:2,500	1986 - 1993	6
Additional SIMs	1:2,500	1993	7
Large-Scale National Grid Data	1:2,500	1994	8
Historical Aerial Photography	1:2,500	1999	9

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



#### **Order Details**

Order Number: 287331844\_1\_1 21-1098.02 **Customer Ref:** National Grid Reference: 490370, 377000 Slice:

Site Area (Ha):

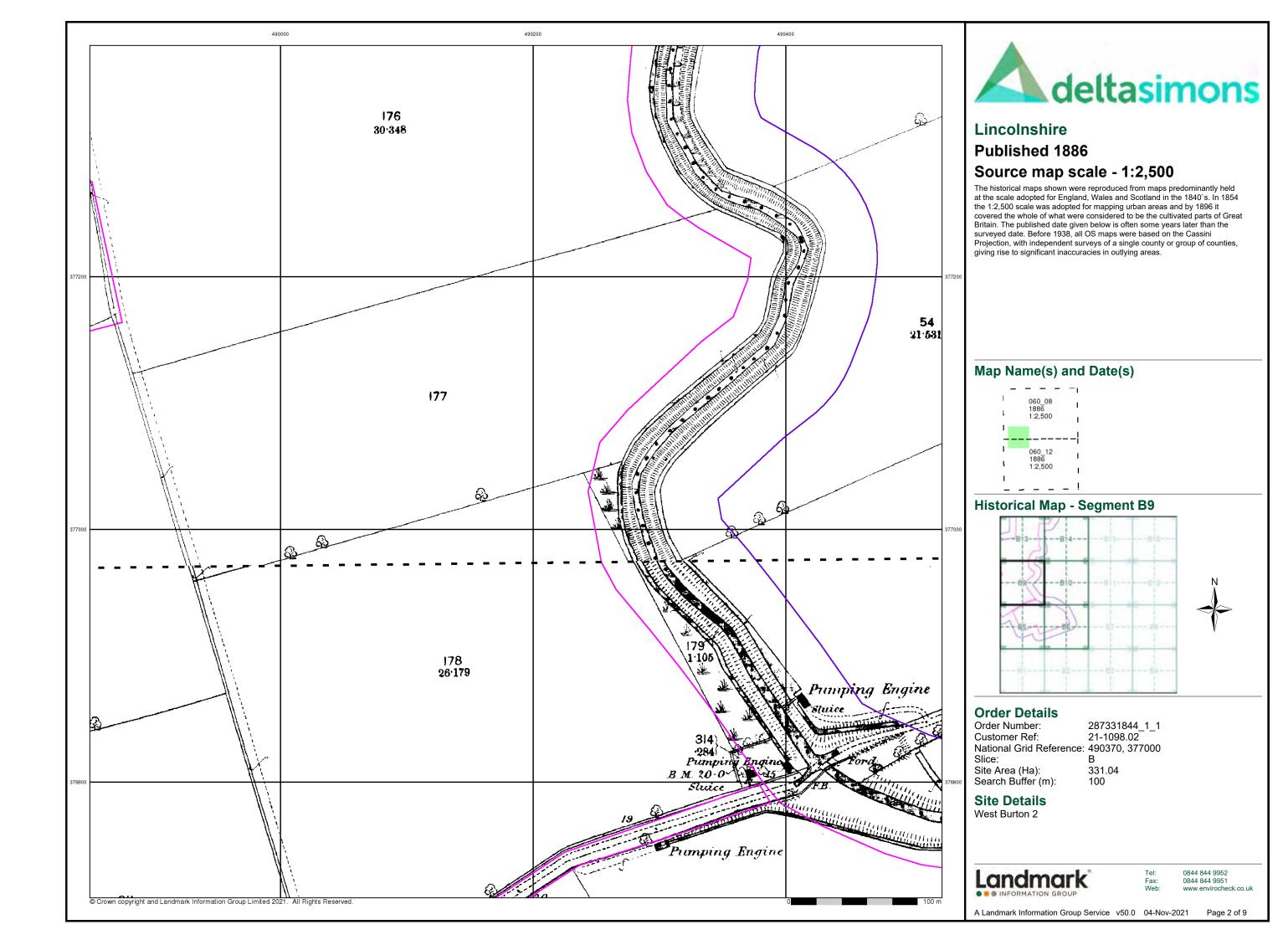
331.04 Search Buffer (m):

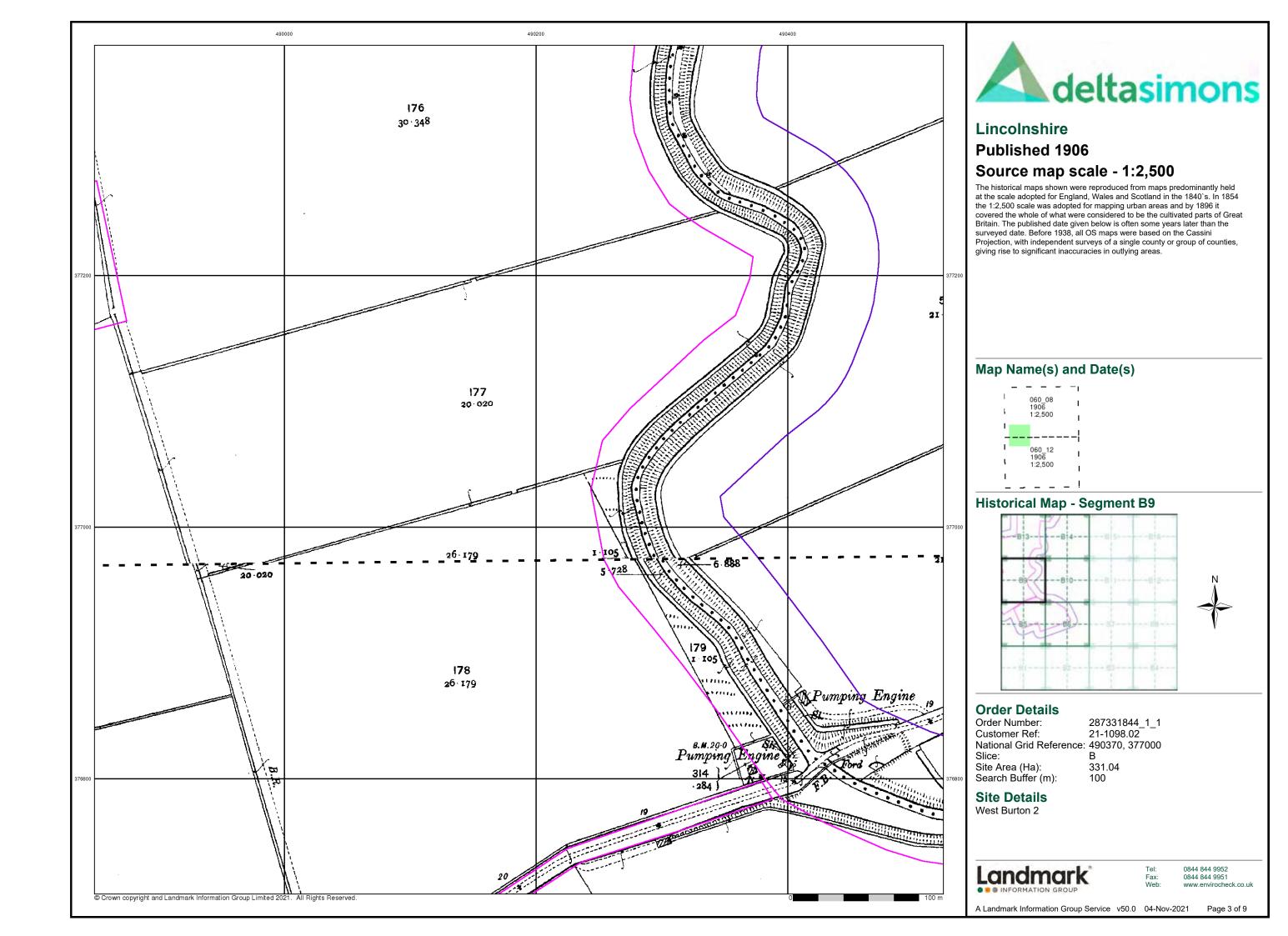
**Site Details** West Burton 2

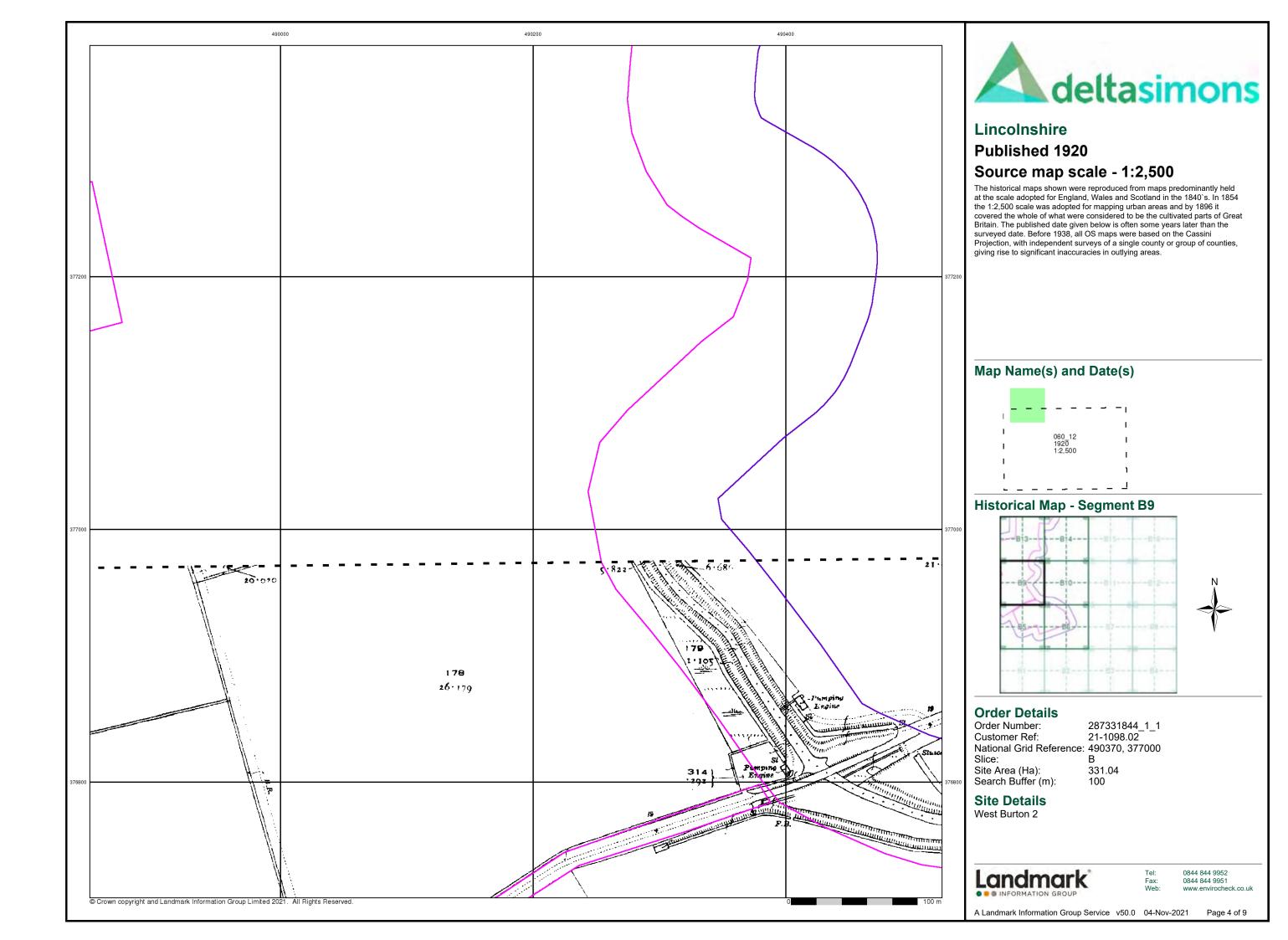
Landmark

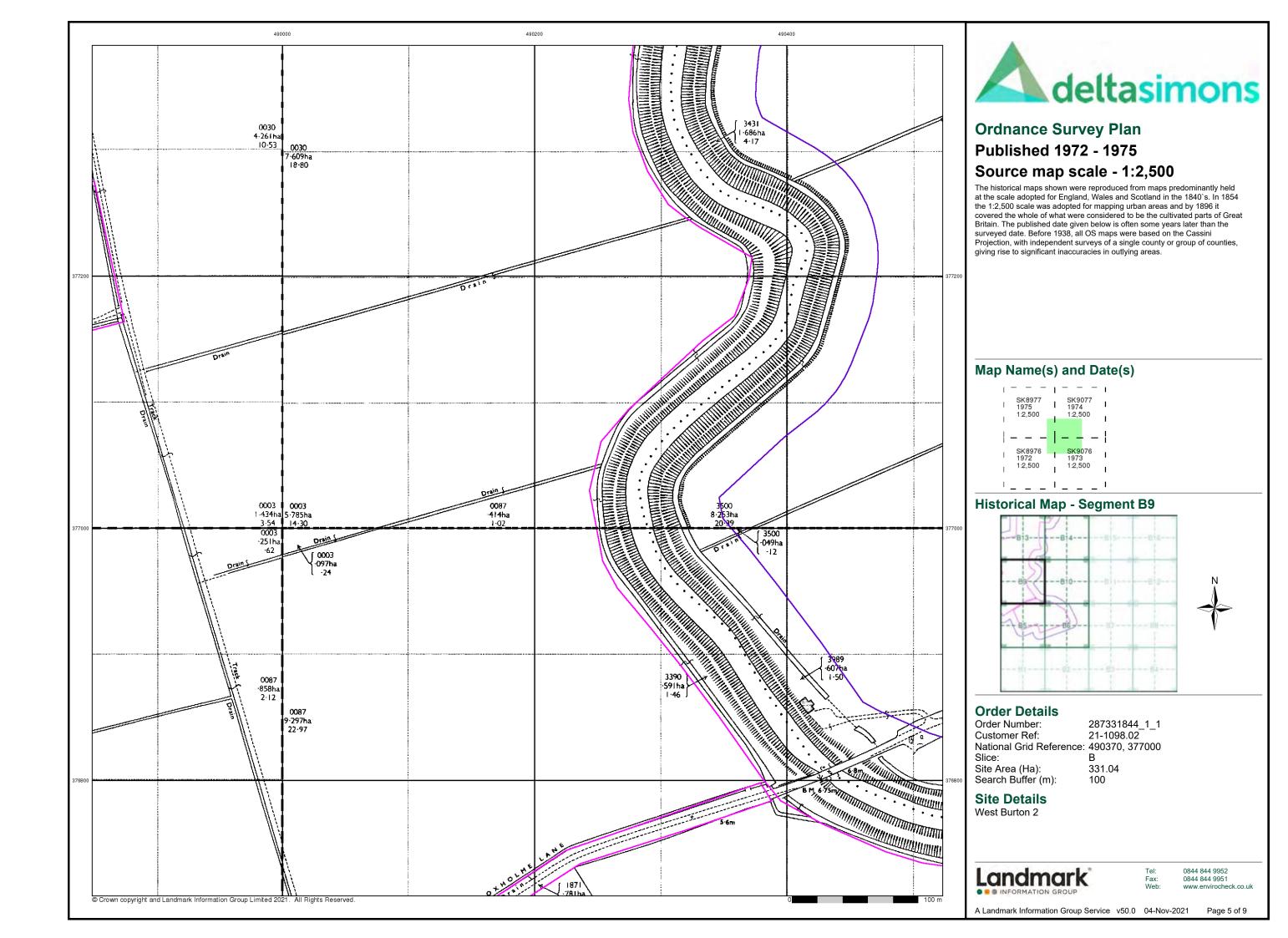
0844 844 9952

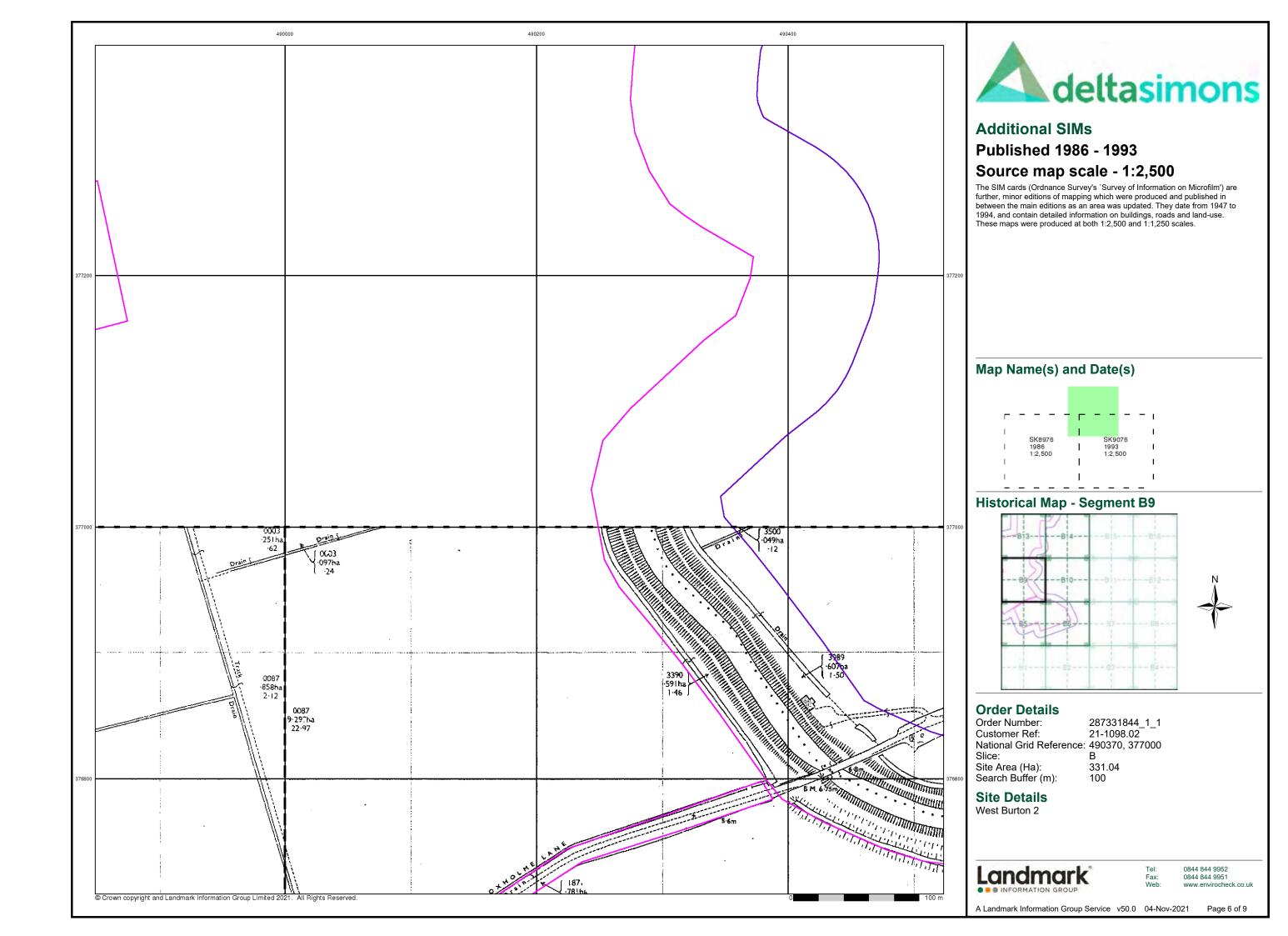
Page 1 of 9

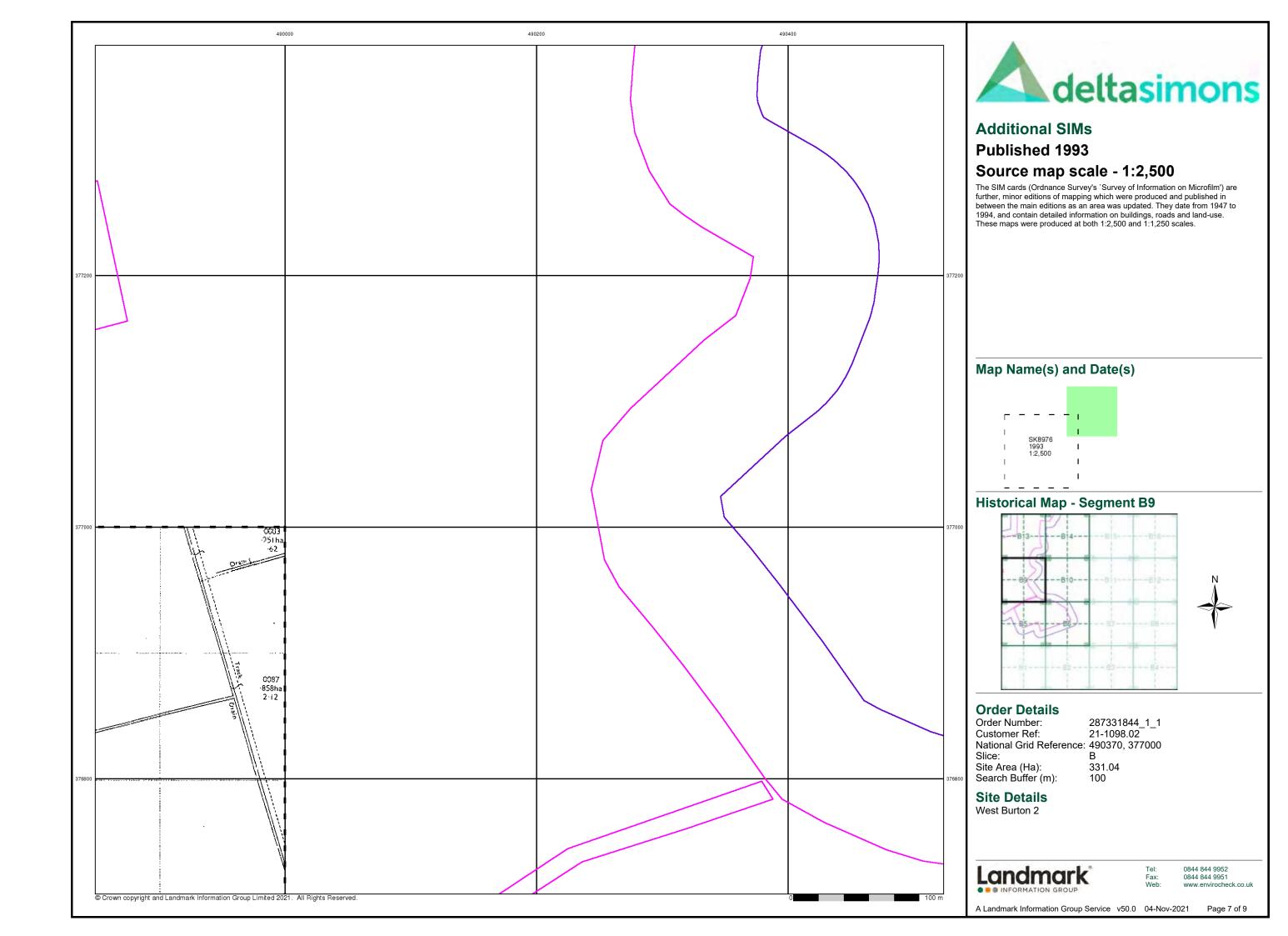


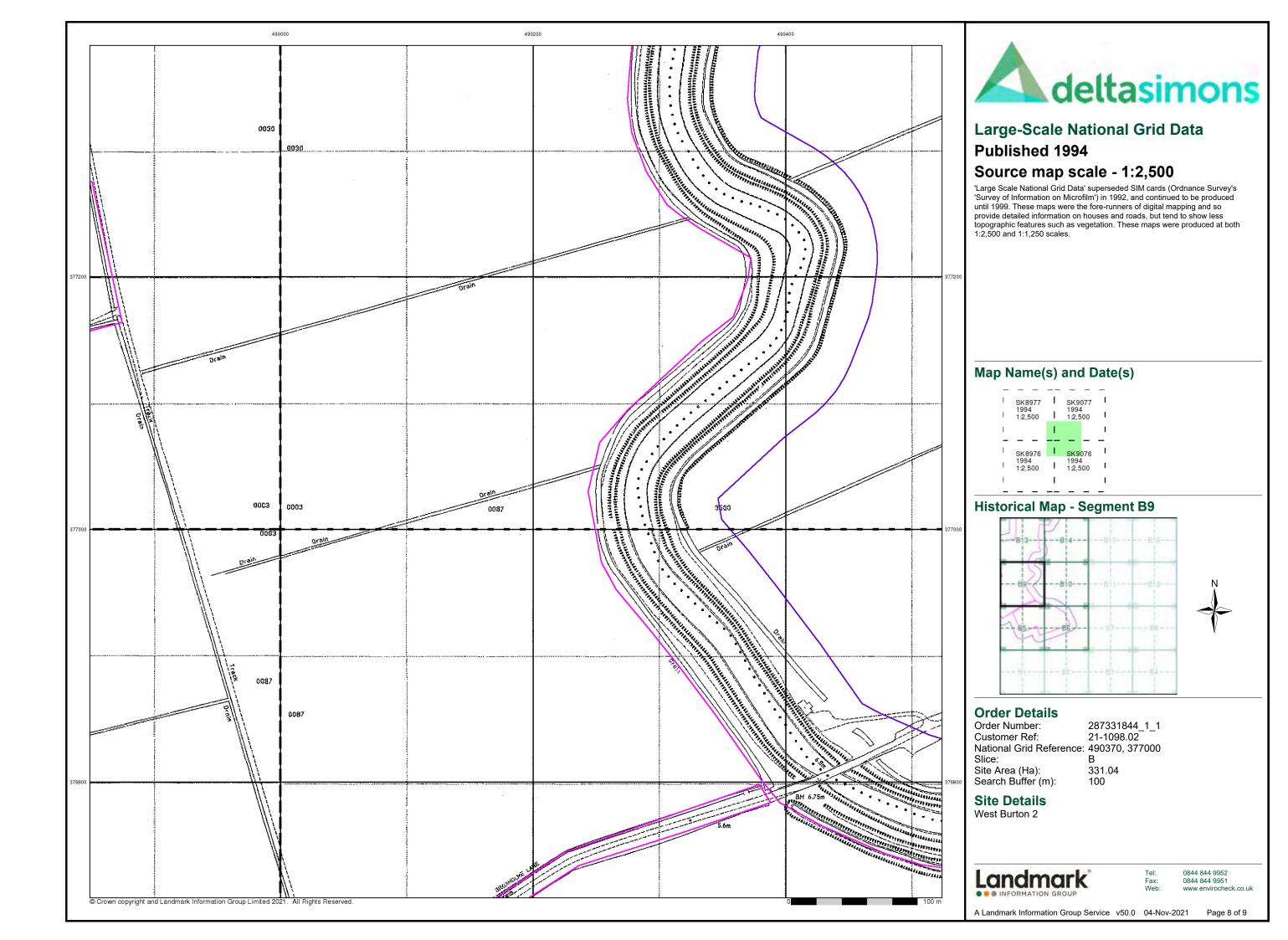


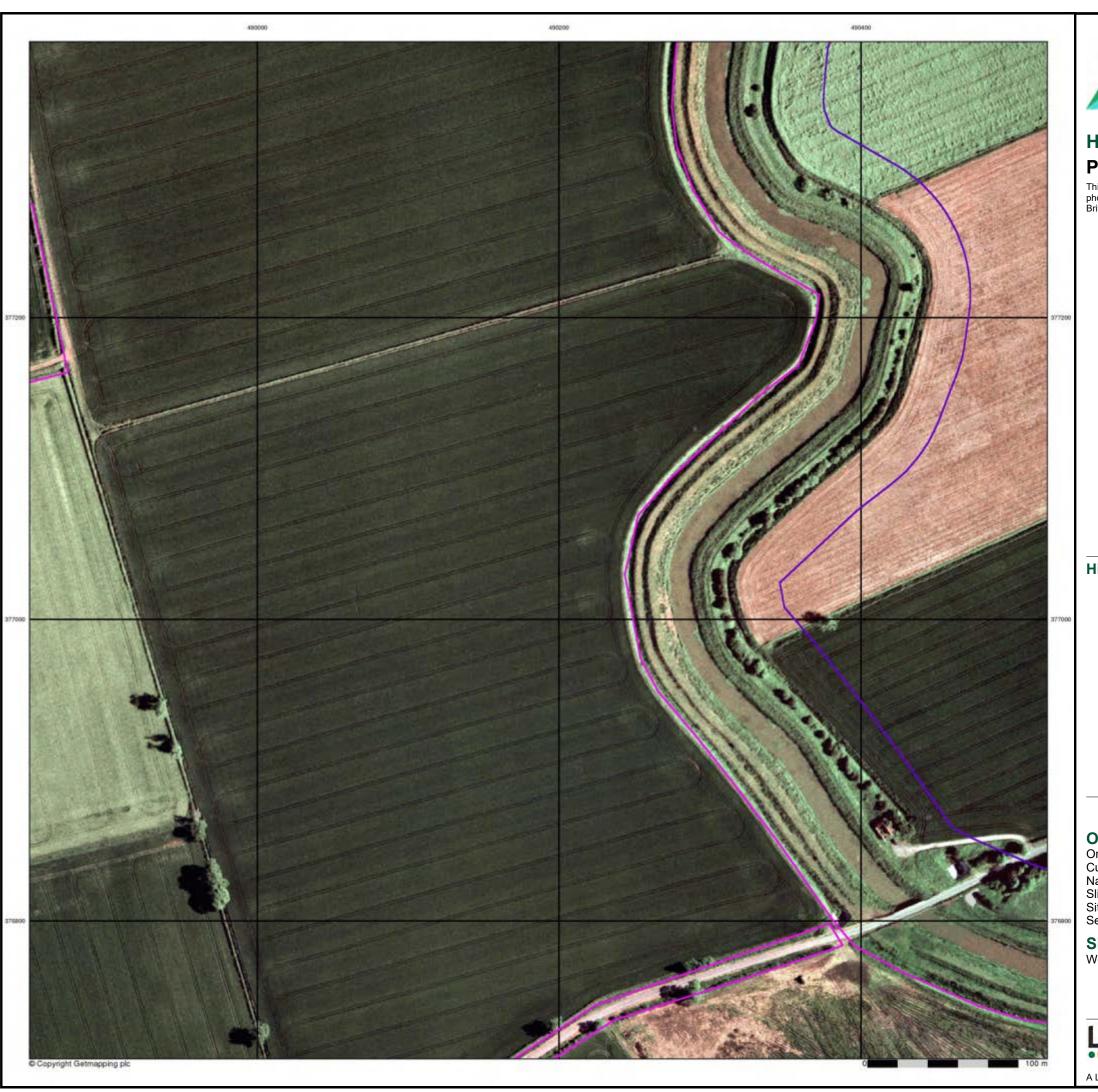










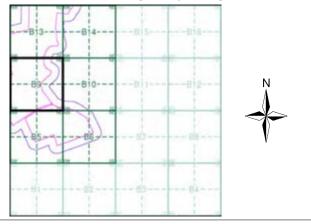




# **Historical Aerial Photography** Published 1999

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 B9**



#### **Order Details**

Order Number: 287331844\_1\_1
Customer Ref: 21-1098.02
National Grid Reference: 490370, 377000 Slice:

Site Area (Ha): Search Buffer (m): 331.04 100

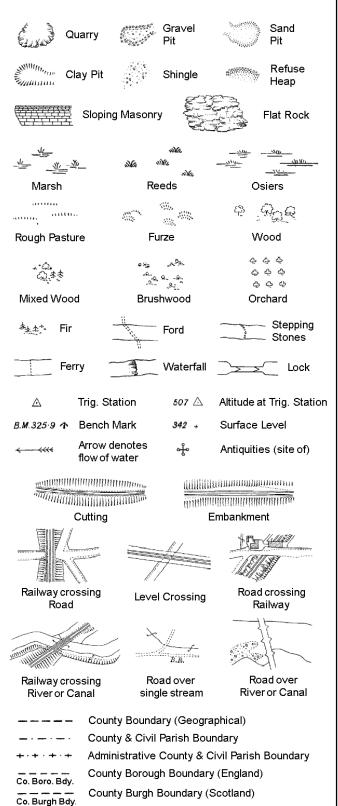
**Site Details** 

West Burton 2

Landmark\*

0844 844 9952 0844 844 9951 www.envirocheck.co.uk

#### **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

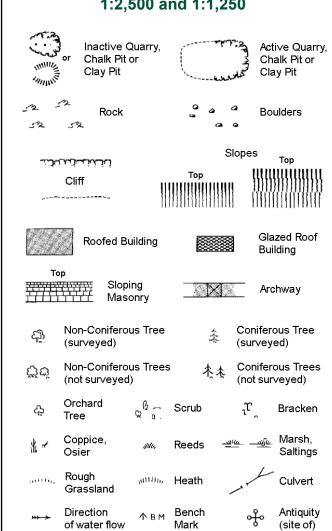
Trough Well

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

÷

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

<b>ئائىلىن</b> ىلىن		Slopes Top			
	Cliff	To	<b>P</b>	<b>!!!!!!!</b> !!!!!!!!	  }  -
523	Rock		22	Rock (sc	attered)
$\triangle_{\triangle}$	Boulders		Δ	Boulders	(scattered)
$\triangle$	Positioned Bould	ler		Scree	
<u> </u>	Non-Coniferous (surveyed)	Tree	-1-	Conifero (surveye	
Öð	Non-Coniferous (not surveyed)	Trees	~IN	Conifero (not surv	us Trees eyed)
දා	Orchard Tree ♀	ß ⊆ Scru	ıb	<sub>1</sub> π _	Bracken
* ~	Coppice, Osier	ava Ree	ds <u>- w</u> l	<u> </u>	Marsh, Saltings
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Rough Grassland	ww, Hea	th _	1	Culvert
<del>*** &gt;</del>	Direction of water flow	△ Triai Stat	ngulation ion	ઌ૾ૺ૰	Antiquity (site of)
_ETL_	Electricity Tra	ınsmission	Line	$\boxtimes$	Electricity Pylon
\ <del> </del>   BM	231.60m Bench	Mark		Building Building	s with Seed
e 19.18.	Roofed Bui	lding		SI .	azed Roof ilding
	· · · Civil	parish/com	munity bo	oundary	
		ct boundar		-	
_ •	-— Cour	ty boundar	У		
	Boun	dary post/s	tone		
Å		dary merei ys appear i ee)			
Bks	Barracks		Р	Pillar, Pole	e or Post
Bty	Battery		PO	Post Offic	
Cemy Chy	Cemetery		PC Pp		nvenience
Cis	Chimney Cistern		Ppg Sta	Pump Pumping	Station
Dismtd F			PW	Place of W	
El Gen S	ta Electricity Gen Station	erating	Sewage Pp		wage mping Station
EIP	Electricity Pole, P		SB, S Br	Signal Bo	x or Bridge
	ta Electricity Sub St		SP, SL	_	st or Light
FB	Filter Bed		Spr 	Spring	
Fn / D Fr	n Fountain / Drinkir	ıg Ftn.	Tk	Tank or Tr	rack

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

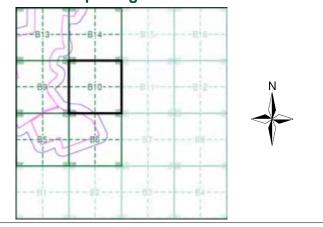
Works (building or area)



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

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1886	2
Lincolnshire	1:2,500	1906	3
Lincolnshire	1:2,500	1920	4
Ordnance Survey Plan	1:2,500	1973 - 1974	5
Additional SIMs	1:2,500	1993	6
Large-Scale National Grid Data	1:2,500	1994	7
Historical Aerial Photography	1:2,500	1999	8

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



#### **Order Details**

Order Number: 287331844\_1\_1 21-1098.02 **Customer Ref:** National Grid Reference: 490370, 377000 Slice:

Site Area (Ha):

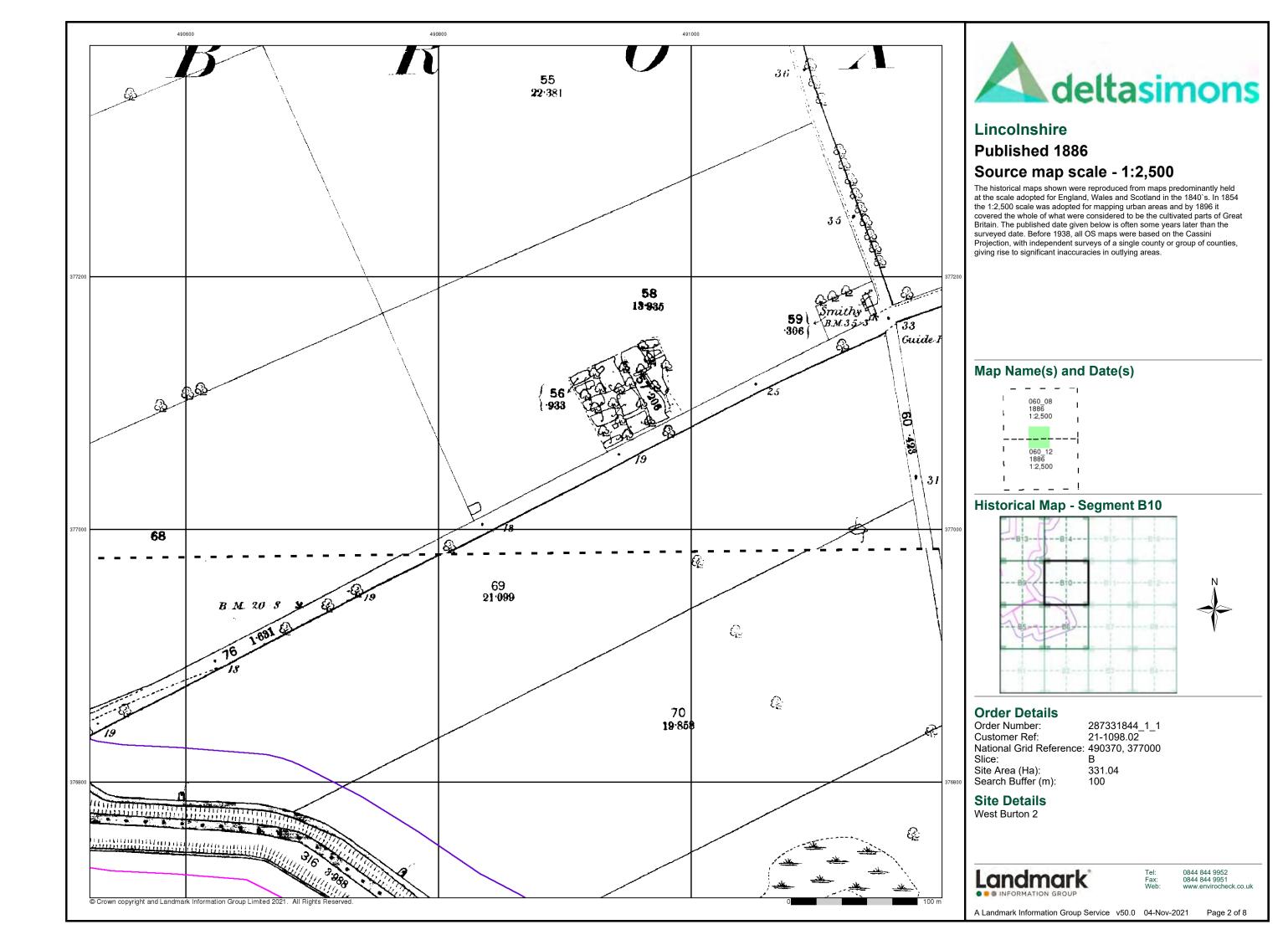
331.04 Search Buffer (m): 100

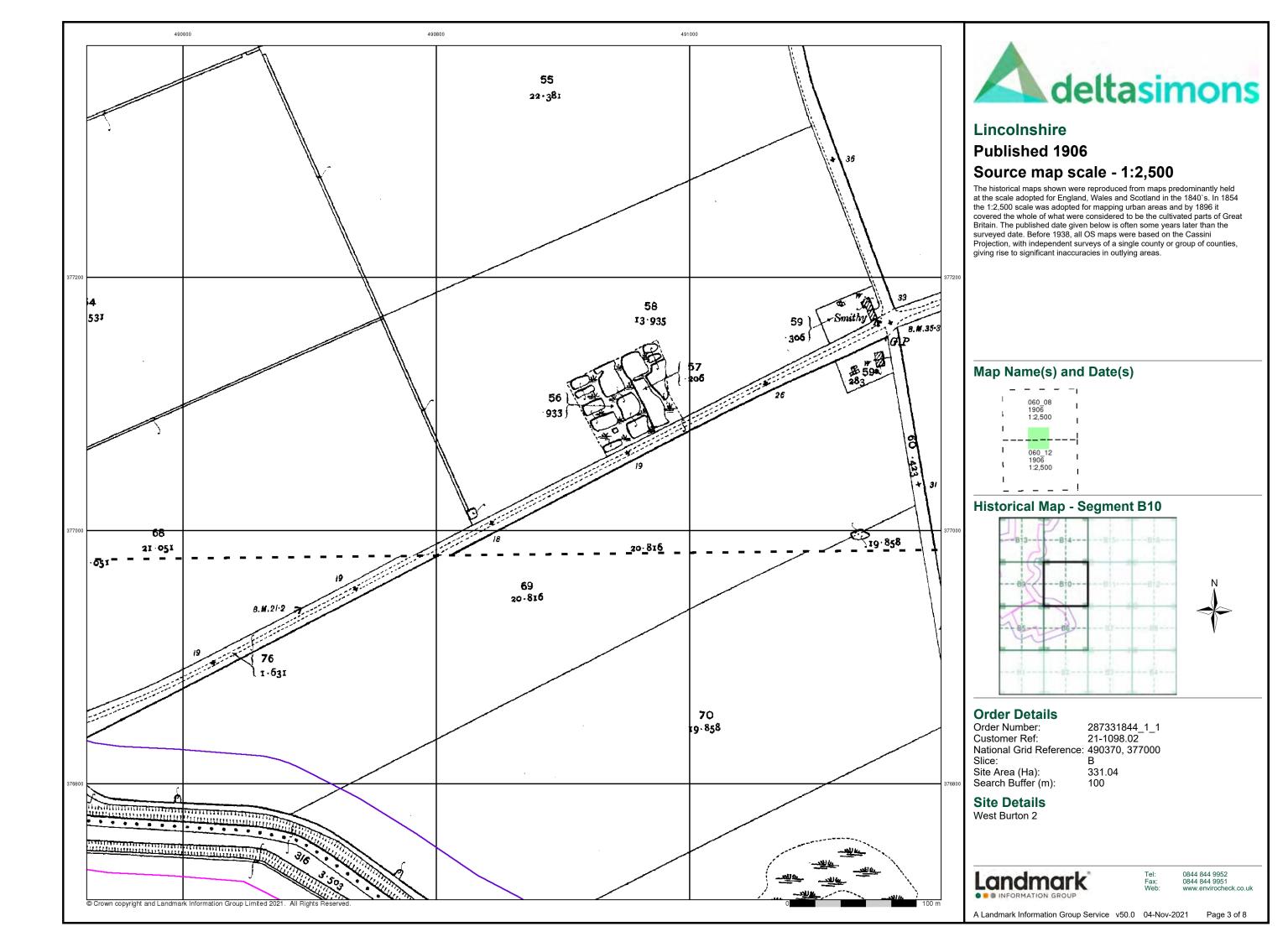
#### **Site Details** West Burton 2

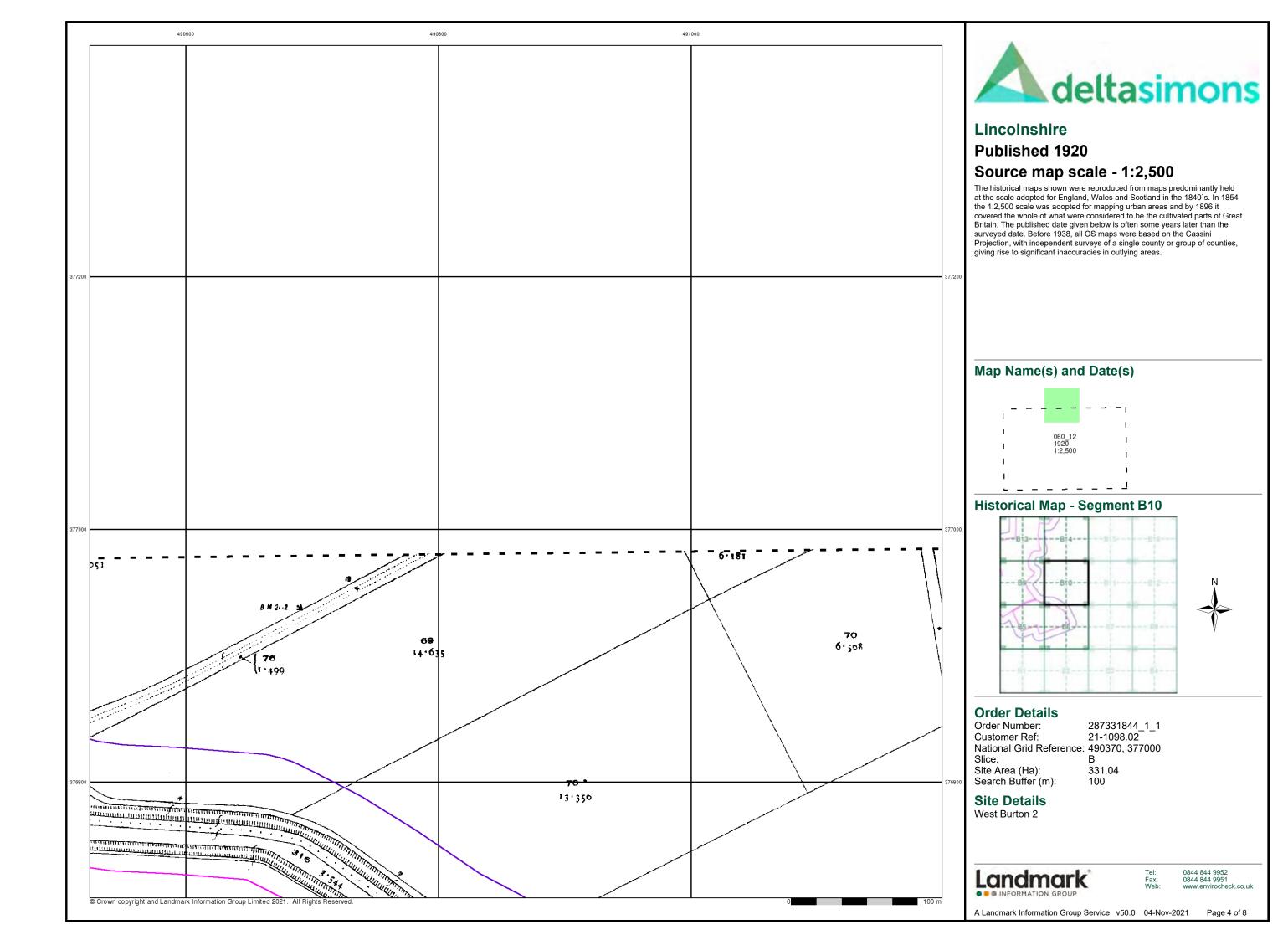
Landmark

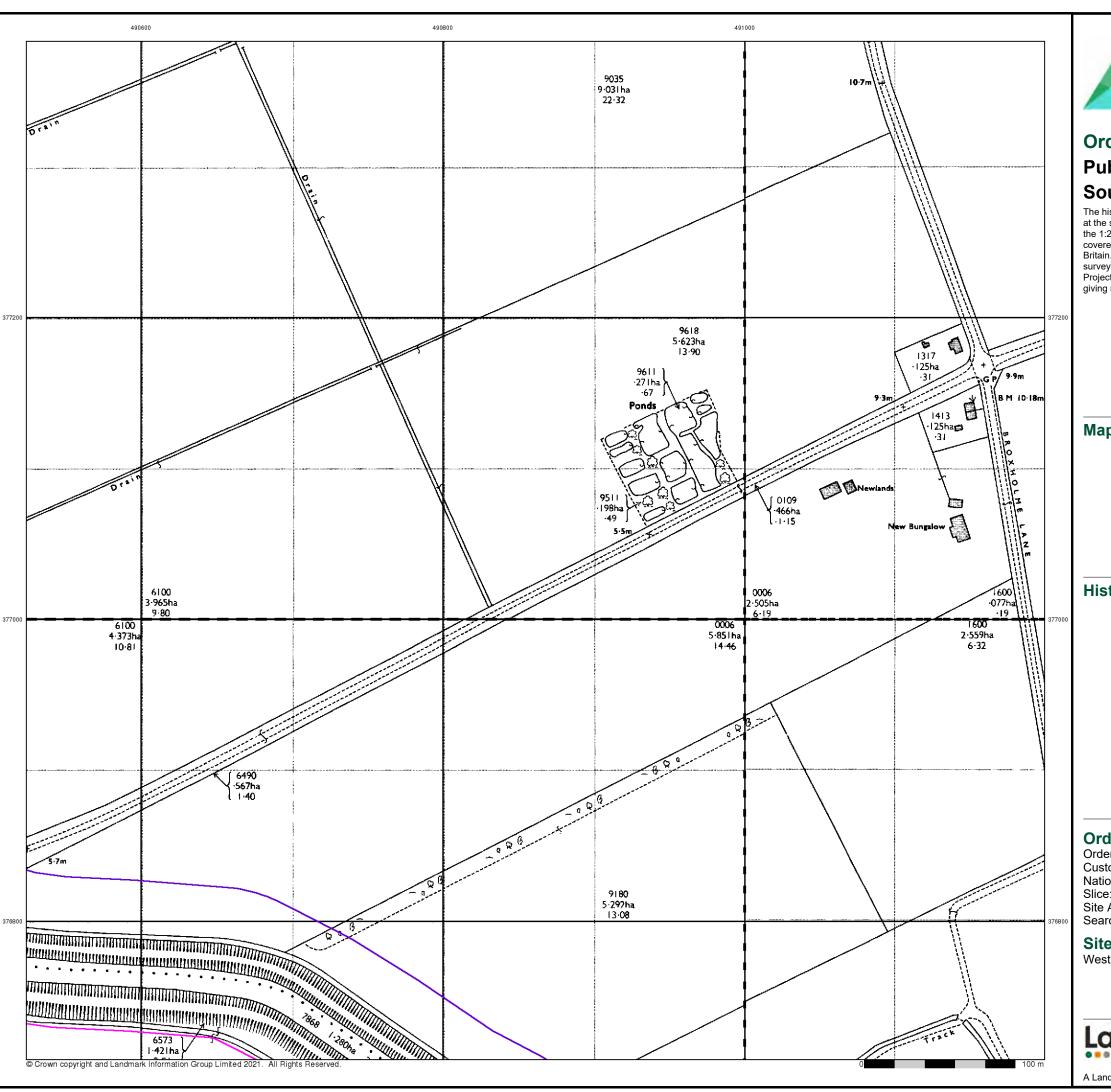
0844 844 9952 0844 844 9951

Page 1 of 8







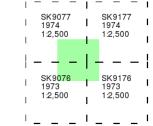




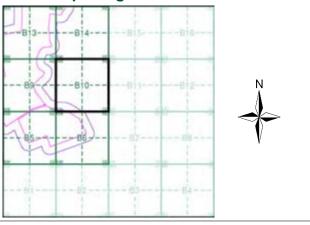
# **Ordnance Survey Plan Published 1973 - 1974** Source map scale - 1:2,500

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 B10**



#### **Order Details**

Order Number: 287331844\_1\_1 Customer Ref: 21-1098.02 National Grid Reference: 490370, 377000 Slice:

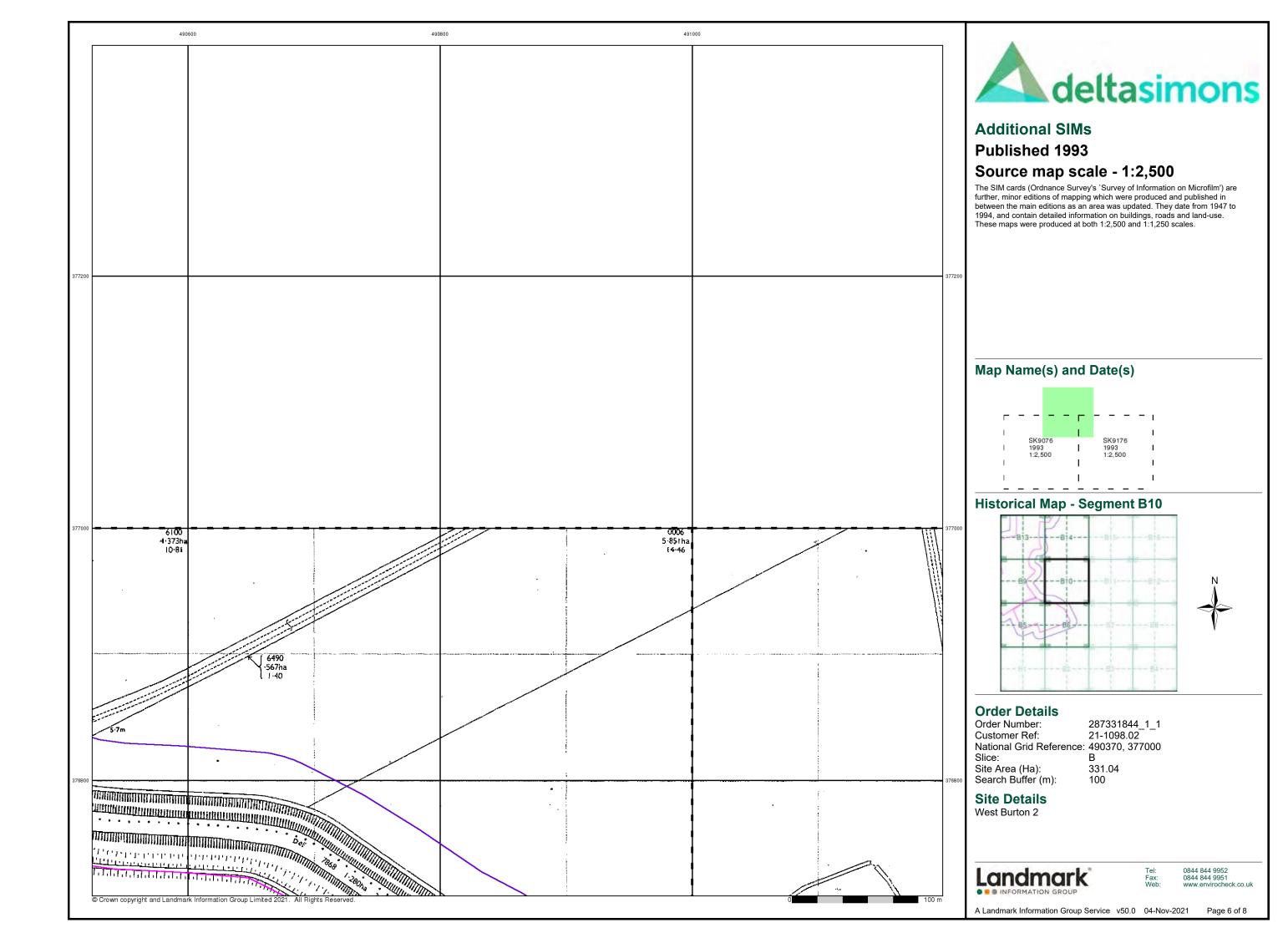
Site Area (Ha): Search Buffer (m): 331.04

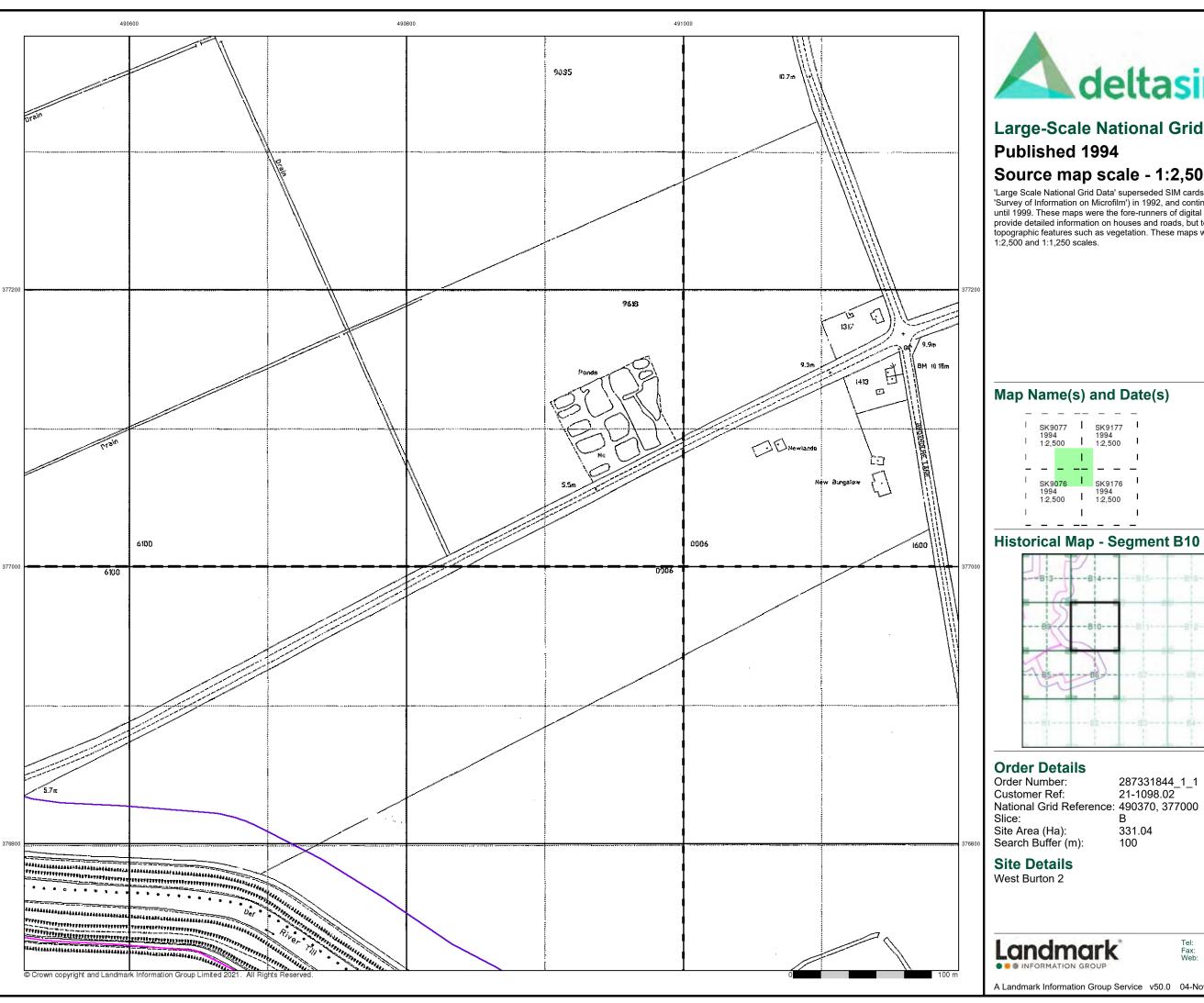
### **Site Details**

West Burton 2



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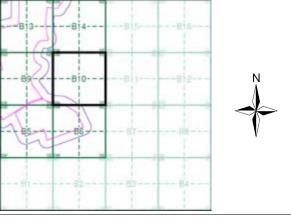






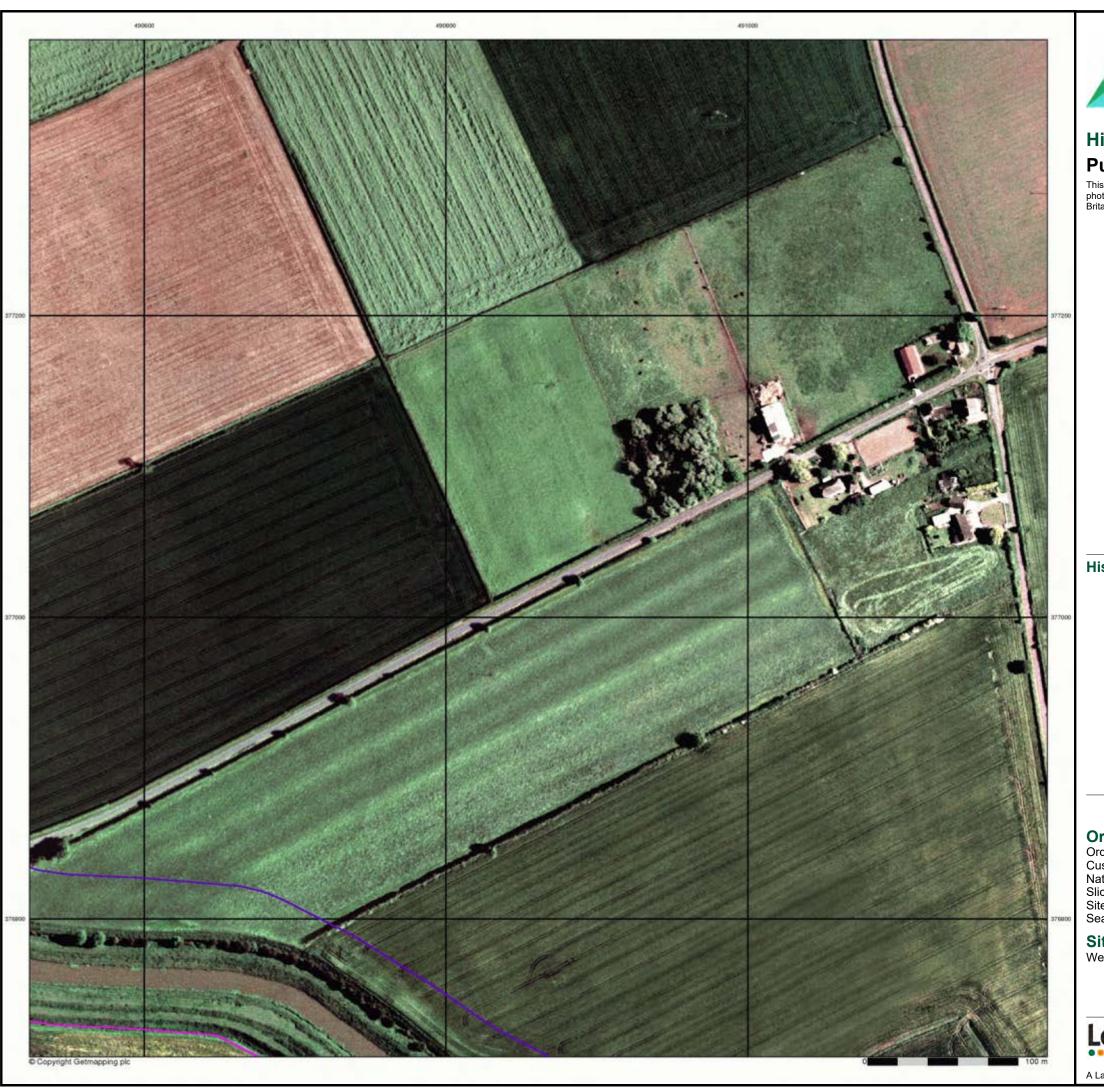
# **Large-Scale National Grid Data** Source map scale - 1:2,500

'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.



287331844\_1\_1 21-1098.02 National Grid Reference: 490370, 377000

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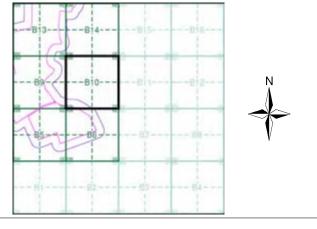




# **Historical Aerial Photography** Published 1999

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 B10**





Order Number: 287331844\_1\_1
Customer Ref: 21-1098.02
National Grid Reference: 490370, 377000 Slice:

Site Area (Ha): Search Buffer (m): 331.04 100

**Site Details** 

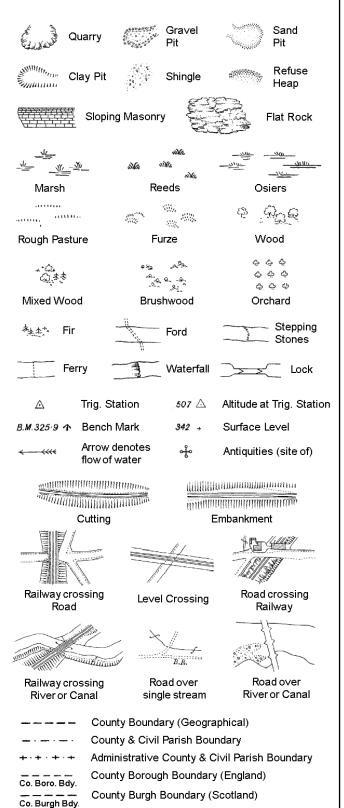
West Burton 2

Landmark\*

0844 844 9952 0844 844 9951 www.envirocheck.co.uk

# **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

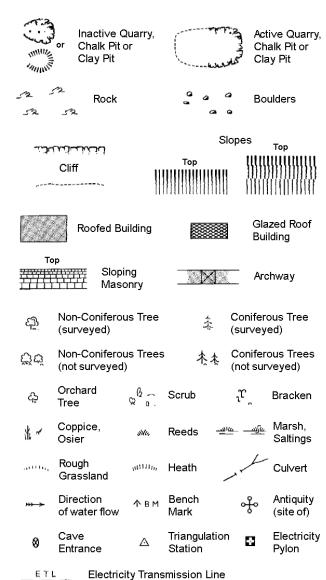
Mile Stone

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

Electricity Pylor

Guide Post or Board

#### 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.S.	mereing char	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	

County Boundary (Geographical)

Admin. County or County Bor. Boundary

Symbol marking point where boundary

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)

County & Civil Parish Boundary

Civil Parish Boundary

London Borough Boundary

L B Bdy

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

Trough

Well

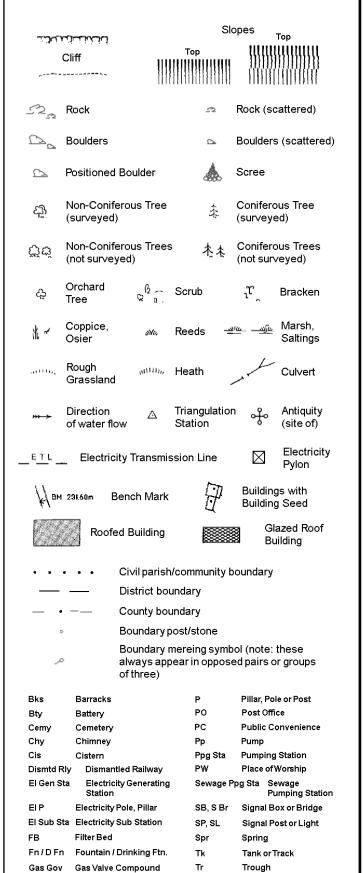
S.P

T.C.B

Sl.

 $T_T$ 

# 1:1,250

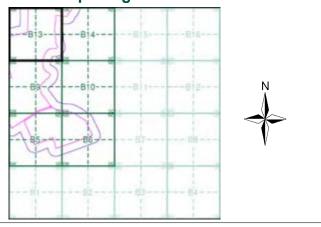




#### **Historical Mapping & Photography included:**

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 B13**



#### **Order Details**

Order Number: 287331844\_1\_1 21-1098.02 **Customer Ref:** National Grid Reference: 490370, 377000 Slice:

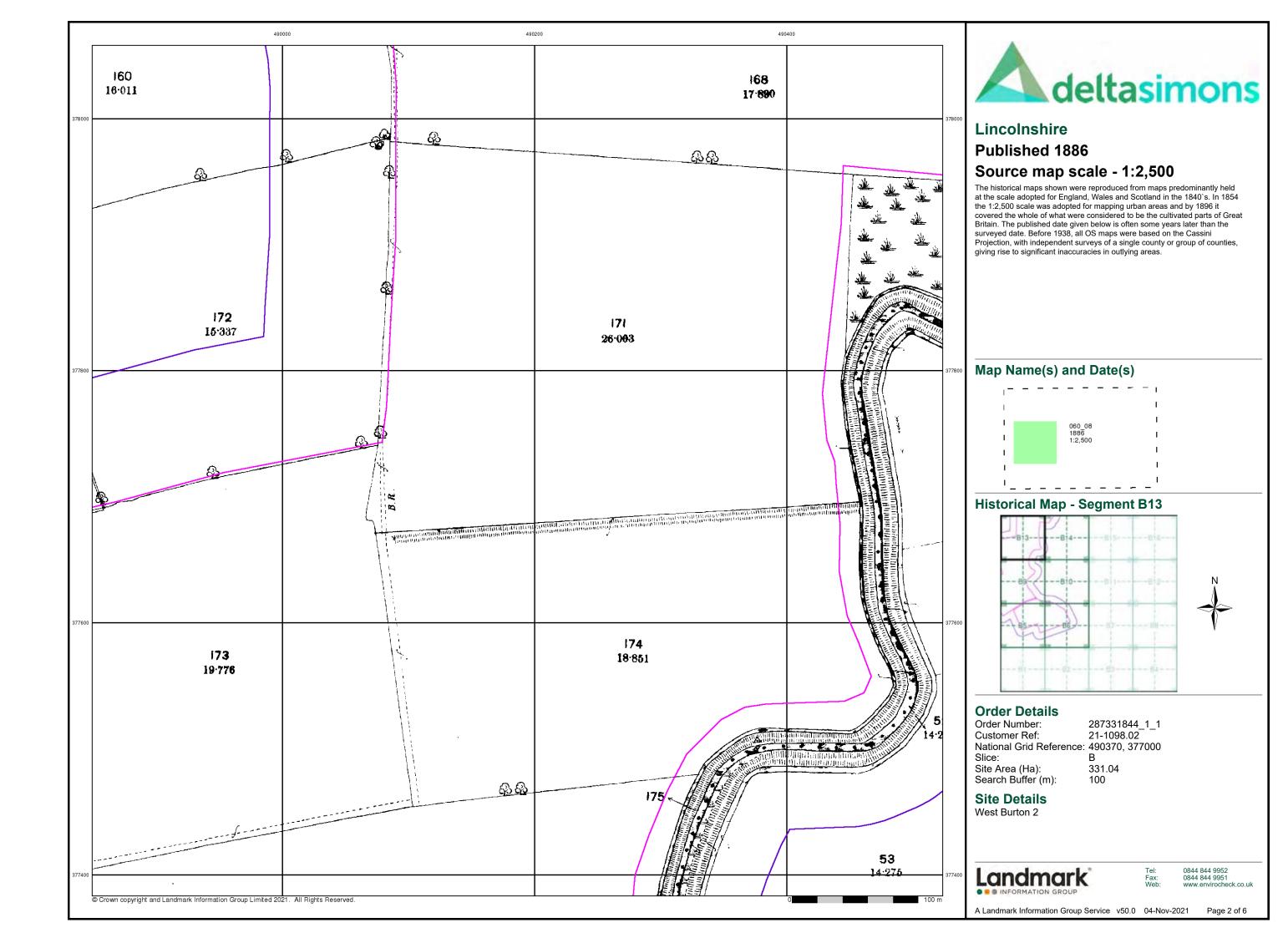
331.04 Site Area (Ha): Search Buffer (m): 100

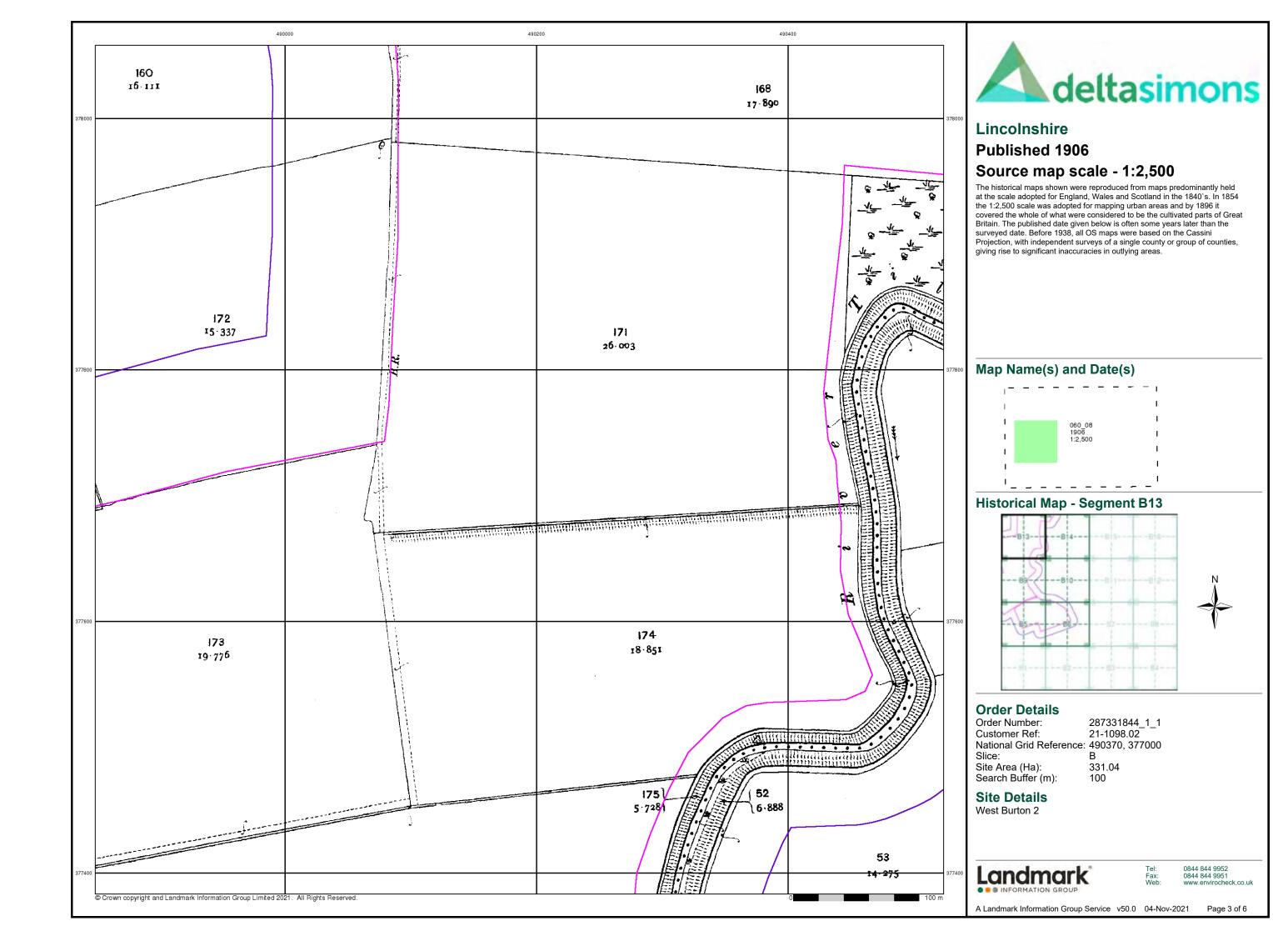
#### **Site Details** West Burton 2

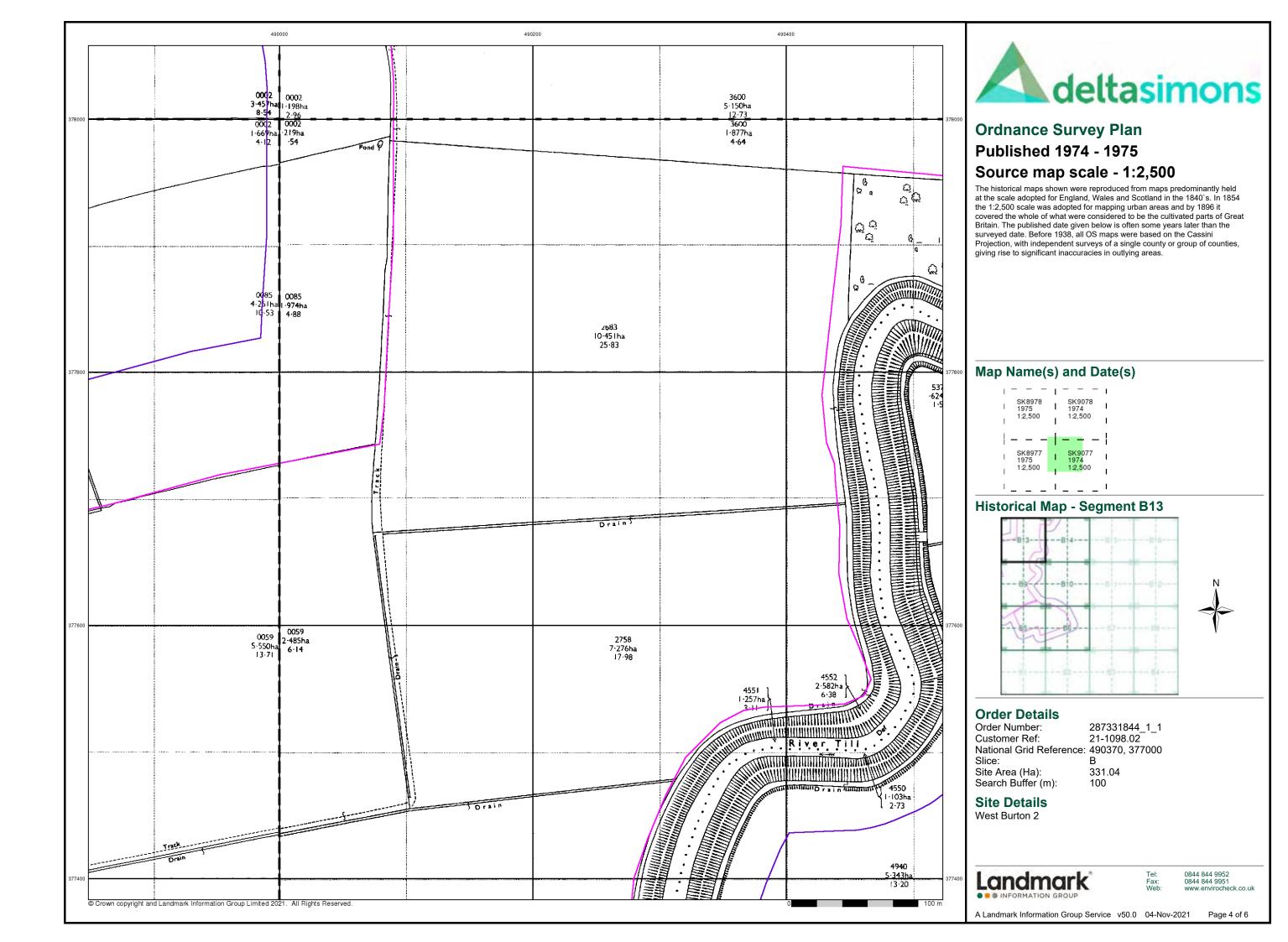


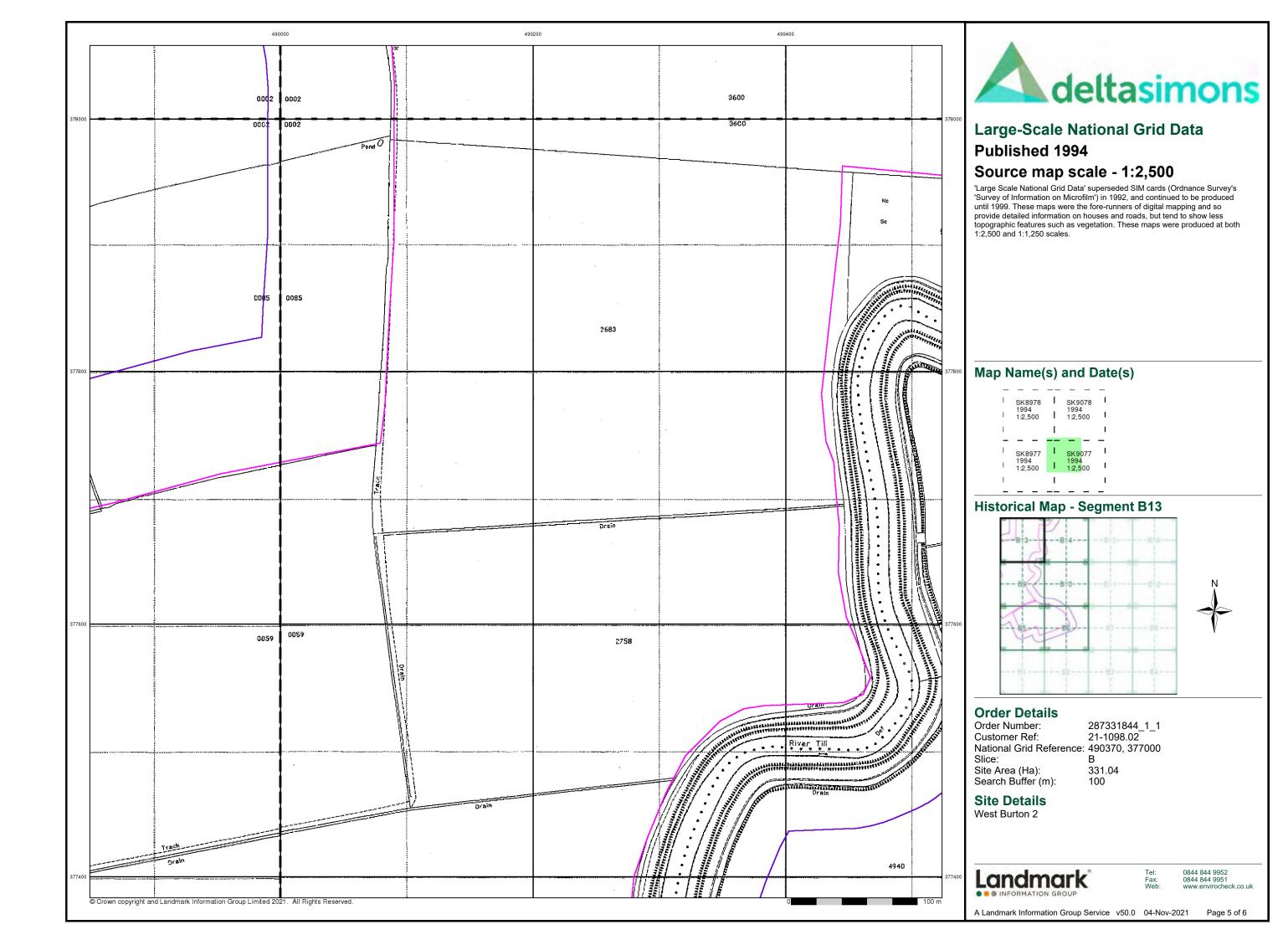
0844 844 9952 0844 844 9951

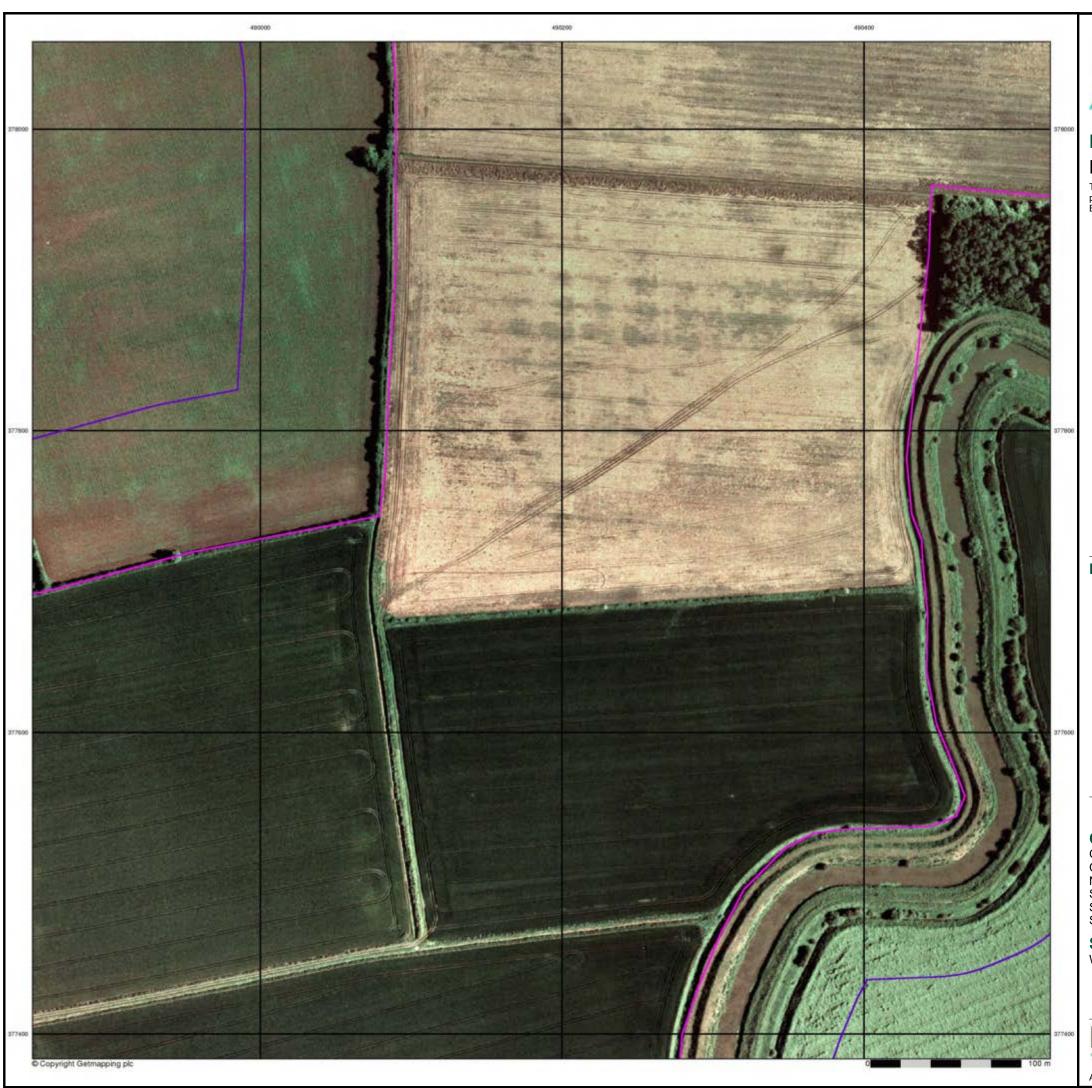
Page 1 of 6









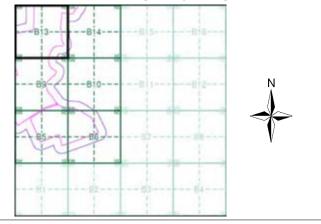




# **Historical Aerial Photography** Published 1999

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 B13**



#### **Order Details**

Order Number: 287331844\_1\_1
Customer Ref: 21-1098.02
National Grid Reference: 490370, 377000 Slice:

Site Area (Ha): Search Buffer (m): 331.04

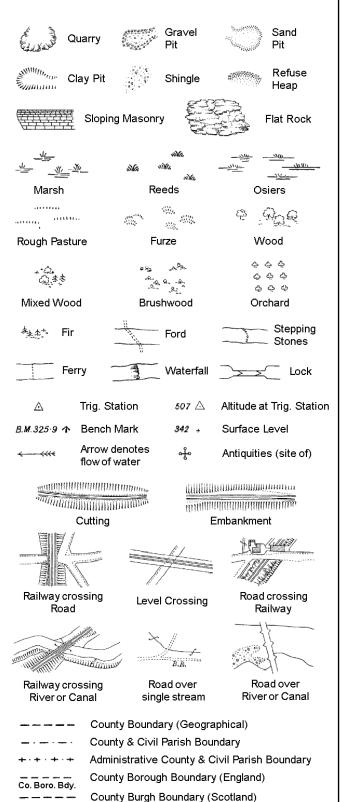
**Site Details** West Burton 2

Landmark\*

0844 844 9952 0844 844 9951 www.envirocheck.co.uk

# **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

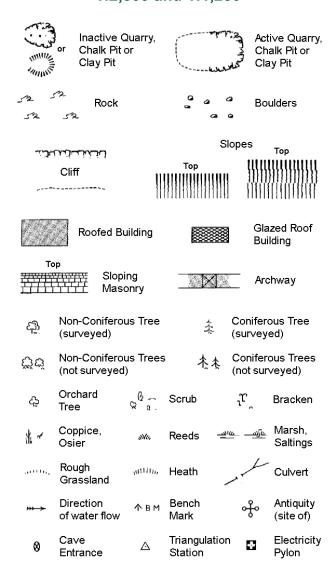
Electricity Pylor

B.R.

E.P

F.B.

#### 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
	Symbol marking point where boundary mereing changes

BH	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 <sub>Top</sub>			
	لكنائبات		Тор	111111	11111111111	
_	Cliff	1111	11111111111111111	]]]]]]	)))))))	
,			MIMBERRIOR	1111111	1111111111	
523	Rock		23	Rock (se	cattered)	
$\triangle_{a}$	Boulders		Δ	Boulders	s (scattered)	
	Positioned	Boulder		Scree		
<u>දුම</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> ம</u>	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

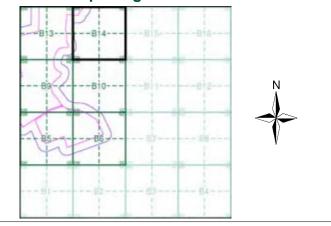
Wks



#### **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 B14**



#### **Order Details**

Order Number: 287331844\_1\_1 **Customer Ref:** 21-1098.02 National Grid Reference: 490370, 377000 Slice:

Site Area (Ha):

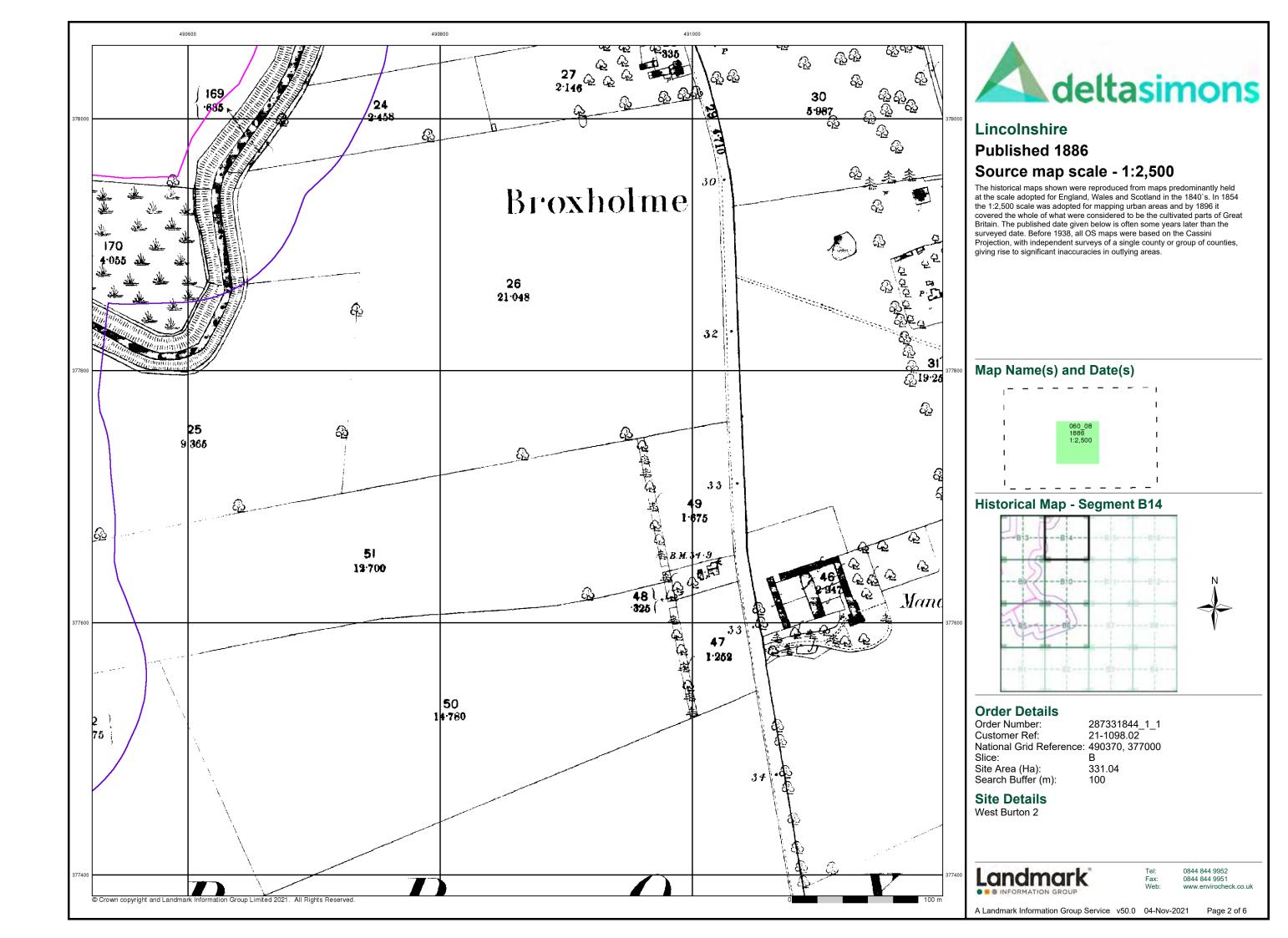
331.04 Search Buffer (m):

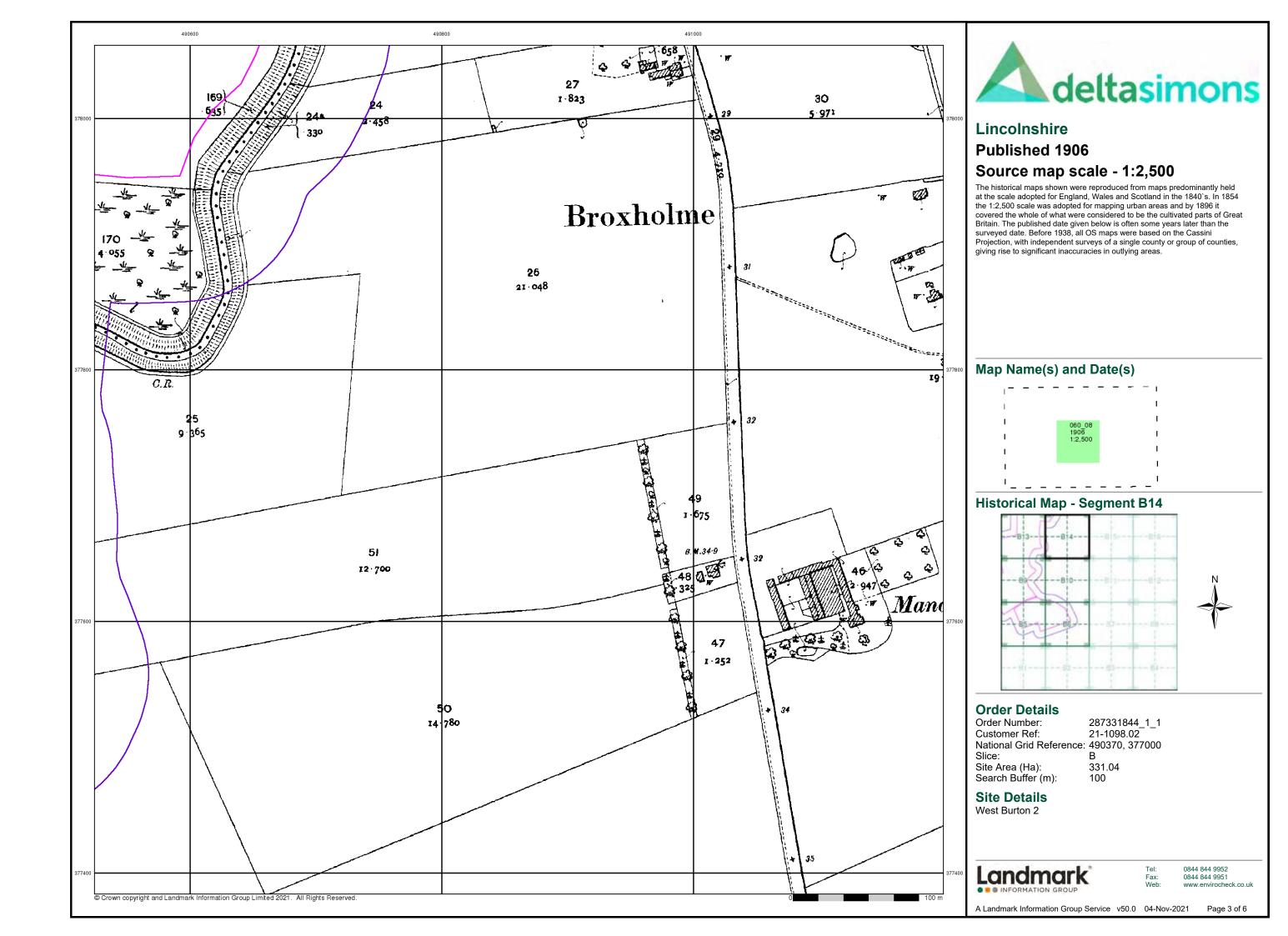
#### **Site Details** West Burton 2

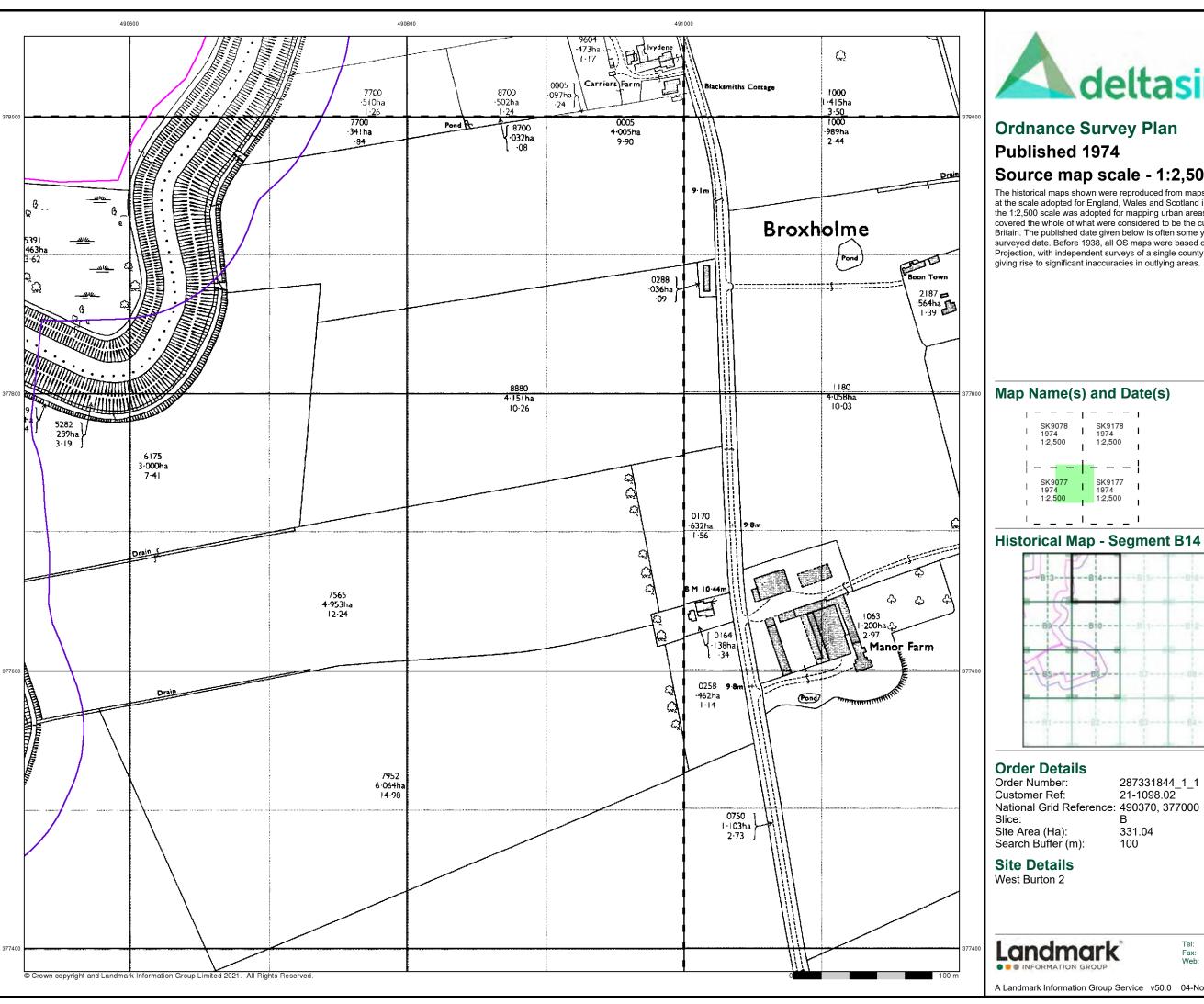
Landmark

0844 844 9952

Page 1 of 6





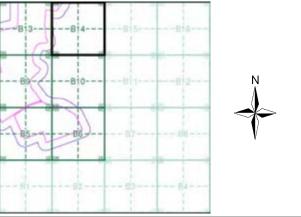




# **Ordnance Survey Plan** Source map scale - 1:2,500

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.

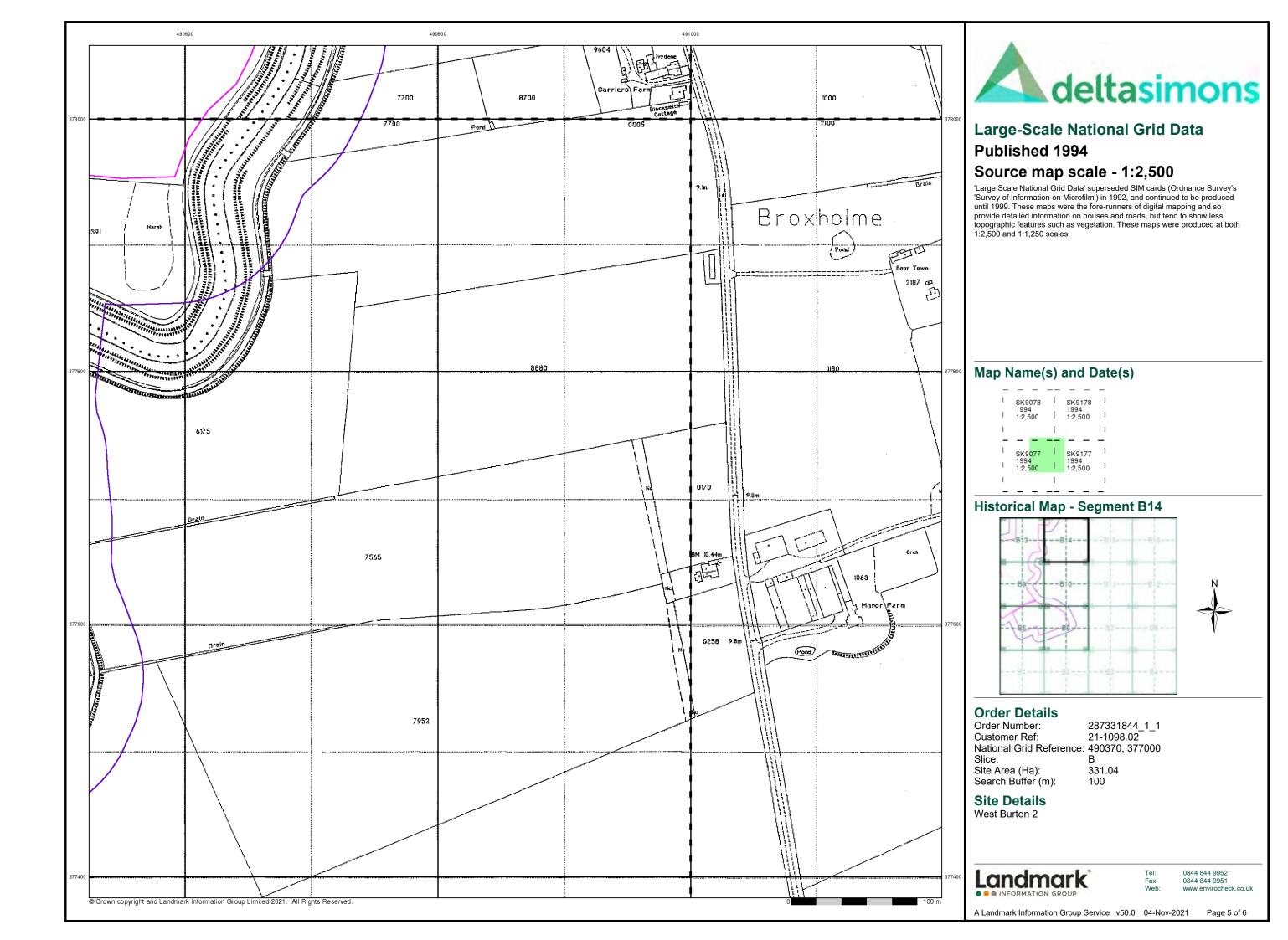
#### Map Name(s) and Date(s)

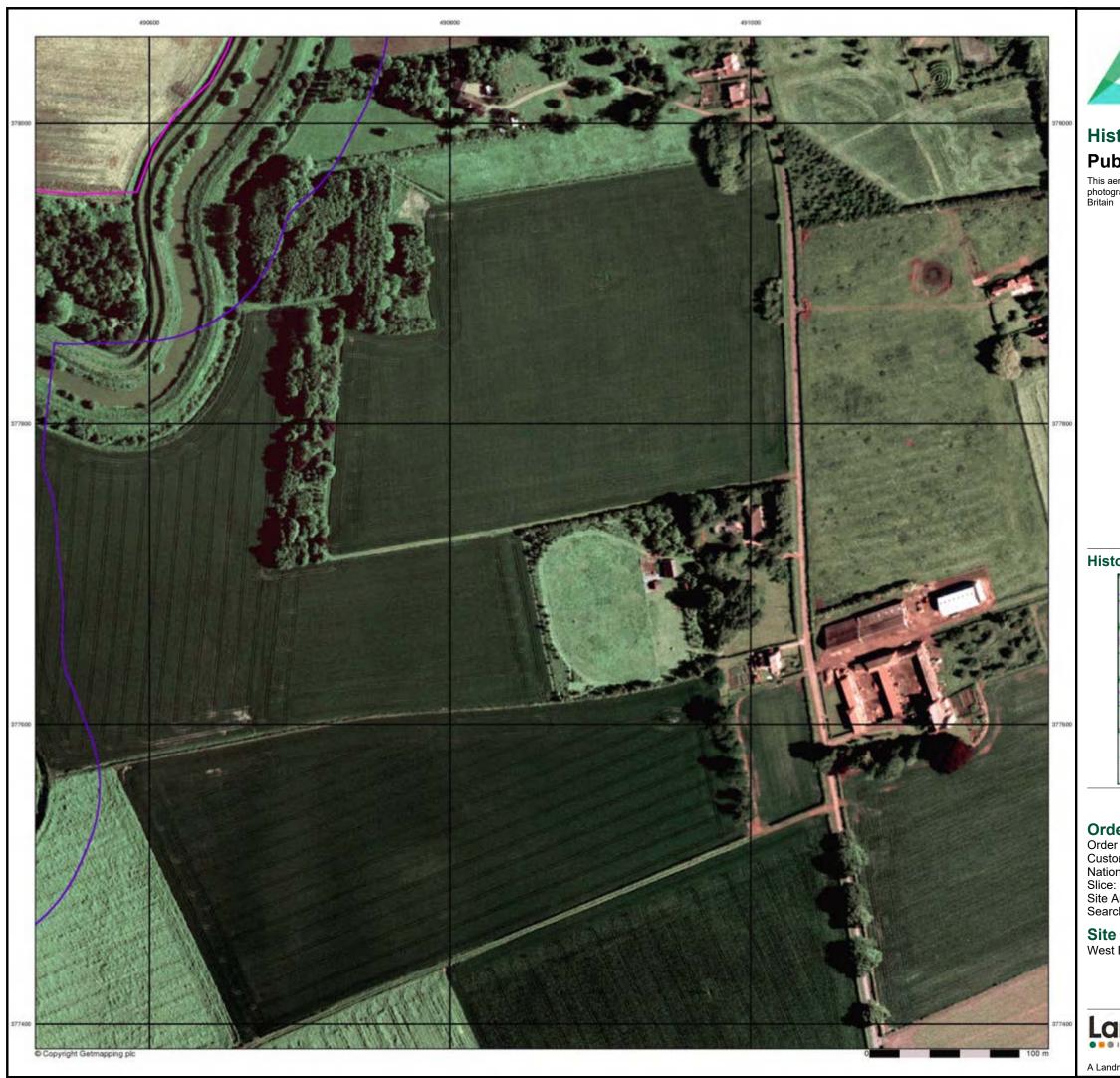


287331844\_1\_1 21-1098.02 National Grid Reference: 490370, 377000

> 0844 844 9952 0844 844 9951

A Landmark Information Group Service v50.0 04-Nov-2021 Page 4 of 6



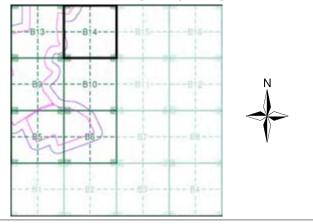




# **Historical Aerial Photography** Published 1999

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 B14**



#### **Order Details**

Order Number: 287331844\_1\_1
Customer Ref: 21-1098.02
National Grid Reference: 490370, 377000

Site Area (Ha): Search Buffer (m): 331.04 100

**Site Details** 

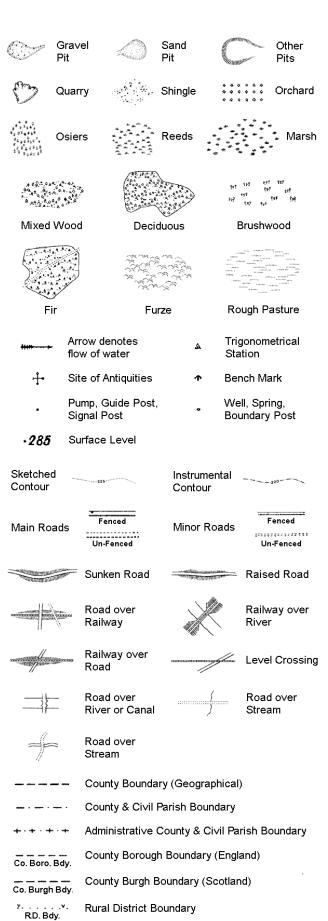
West Burton 2

Landmark\*

0844 844 9952 0844 844 9951 www.envirocheck.co.uk

# **Historical Mapping Legends**

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



····· Civil Parish Boundary

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

		Chalk Pit, Clay Pit or Quarry	0000000	Gravel Pit
		Sand Pit	(	、 Disused Pit ✓ or Quarry
1	1101	Refuse or Slag Heap		Lake, Loch or Pond
	[	Dunes		Boulders
	$\mathbf{A} \mathbf{T} \mathbf{T}$	Coniferous Trees	6 6	Non-Coniferous Trees
	ф ф Oro	hard No_S	Scrub	\Ϋ́ην Coppice
	ள்ள் Bra எ	cken willing h	leath '	、 , , , , Rough Grassland
	— <u>ب</u> د Ma	rsh 、、、\V//, F	Reeds	<u>್ರ</u> Saltings
	Buil	Direction Direct	on of Flow of	Shingle
	<b>₩</b> Gla	sshouse		Sand
	Slop	oing Masonry -	Pylon - — 🗆 — Pole - — • —	<ul><li>Electricity</li><li>Transmission</li><li>Line</li></ul>
	Cutting		nt 	
	 Road ' ' ' ∏' ' ' Under	Road Level Over Crossin	Foot g Bridge	⊨ Standard Gauge Single Track
				Siding, Tramway or Mineral Line
,	<del></del>	<del></del>		→ Narrow Gauge
		Geographical Cour	nty	
		Administrative Cou		_
		Municipal Borough Burgh or District C	ouncil	
		Borough, Burgh or Shown only when not Civil Parish		
		Shown alternately who	en coincidence	of boundaries occurs
	Ch Chur CH Club F E Sta Fire E	idary Post or Stone ch House Engine Station Bridge	Pol Sta PO PC PH SB	Police Station Post Office Public Convenience Public House Signal Box
	Fn Foun	-	Spr	Spring

TCB

TCP

Telephone Call Box

Telephone Call Post

GP

MP

**Guide Post** 

Mile Post

Mile Stone

#### 1:10,000 Raster Mapping

	Gravel Pit		Refuse tip or slag heap
	Rock	3	Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle	Mud	Mud
Sand	Sand		Sand Pit
mm	Slopes		Top of cliff
	General detail		Underground detail
	- Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)	• • • • • •	Ci∨il, parish or community boundary
	District, Unitary, Metropolitan, London Borough boundary		Constituency boundary
۵ <sup>۵</sup>	Area of wooded vegetation	۵ <sup>۵</sup>	Non-coniferous trees
$\Box$	Non-coniferous trees (scattered)	**	Coniferous trees
* *	Coniferous trees (scattered)	ਨੁ	Positioned tree
ф ф ф ф	Orchard	* *	Coppice or Osiers
wīli,	Rough Grassland	www.	Heath
On_	Scrub	7/√\r 7/√\r	Marsh, Salt Marsh or Reeds
6	Water feature	<b>← ←</b>	Flow arrows
MHW(S)	Mean high water (springs)	MLW(S)	Mean low water (springs)
	Telephone line (where shown)	<b></b>	Electricity transmission line (with poles)
← BM 123.45 m	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

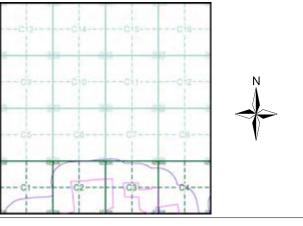
Building



### **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	1922	6
Lincolnshire	1:10,560	1922	7
Lincolnshire	1:10,560	1947	8
Ordnance Survey Plan	1:10,000	1956	9
Ordnance Survey Plan	1:10,000	1979	10
Ordnance Survey Plan	1:10,000	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: 287331844\_1\_1 Customer Ref: 21-1098.02 National Grid Reference: 488570, 378350 Slice:

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

**Site Details** West Burton 2

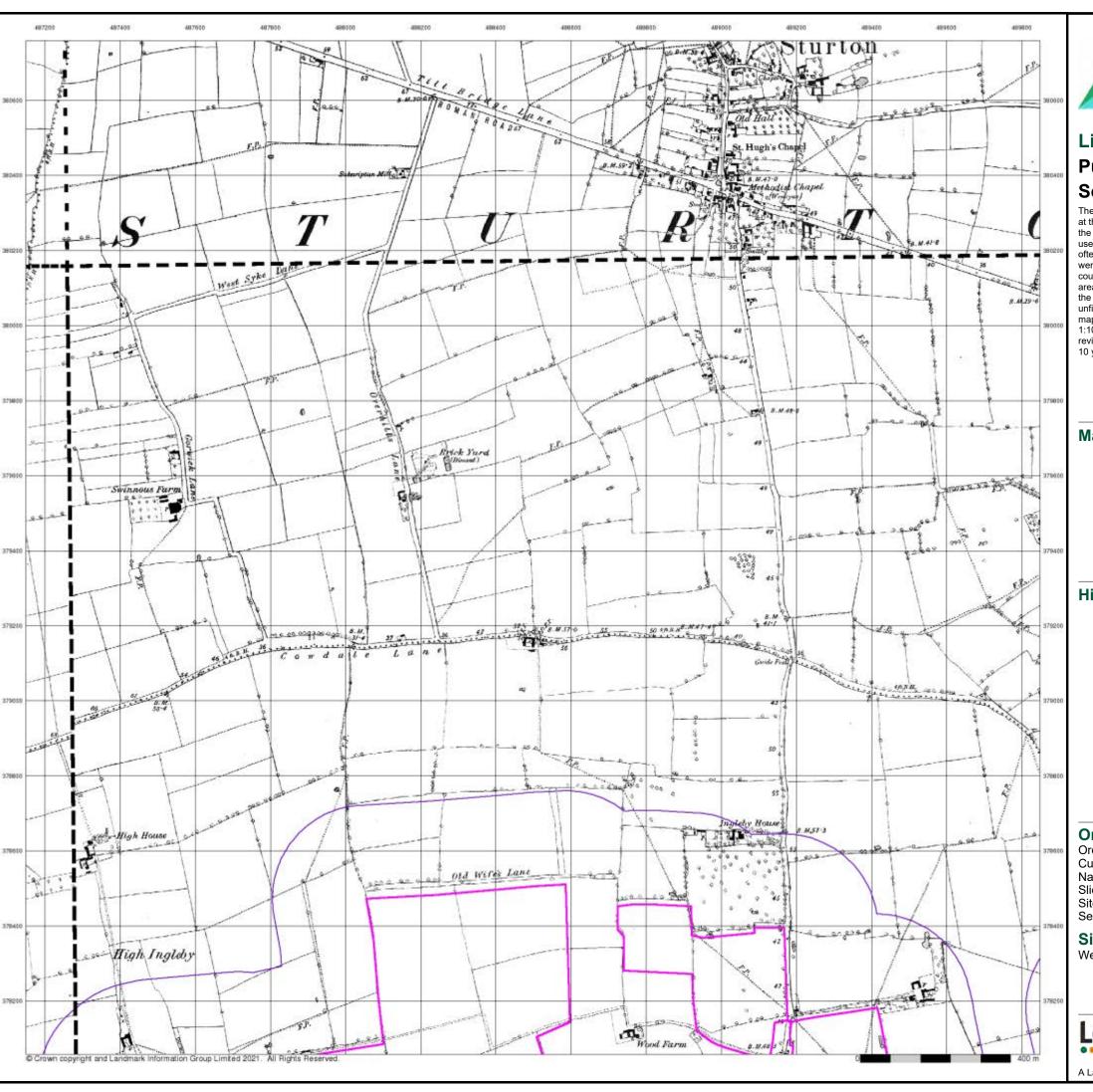
Landmark

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

331.04

250





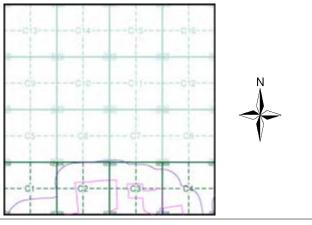
# Published 1885 Source map scale - 1:10,560

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)

_			
1	051SW	051SE	1
i	1885 1:10,560	1885 1:10,560	ı
1			i
			. –1
	060NW	060NE	- 1
1	1885 1:10,560	1885 1:10,560	ı
1		İ	

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



#### **Order Details**

Order Number: 287331844\_1\_1 **Customer Ref:** 21-1098.02 National Grid Reference: 488570, 378350 Slice:

Site Area (Ha): Search Buffer (m): 331.04

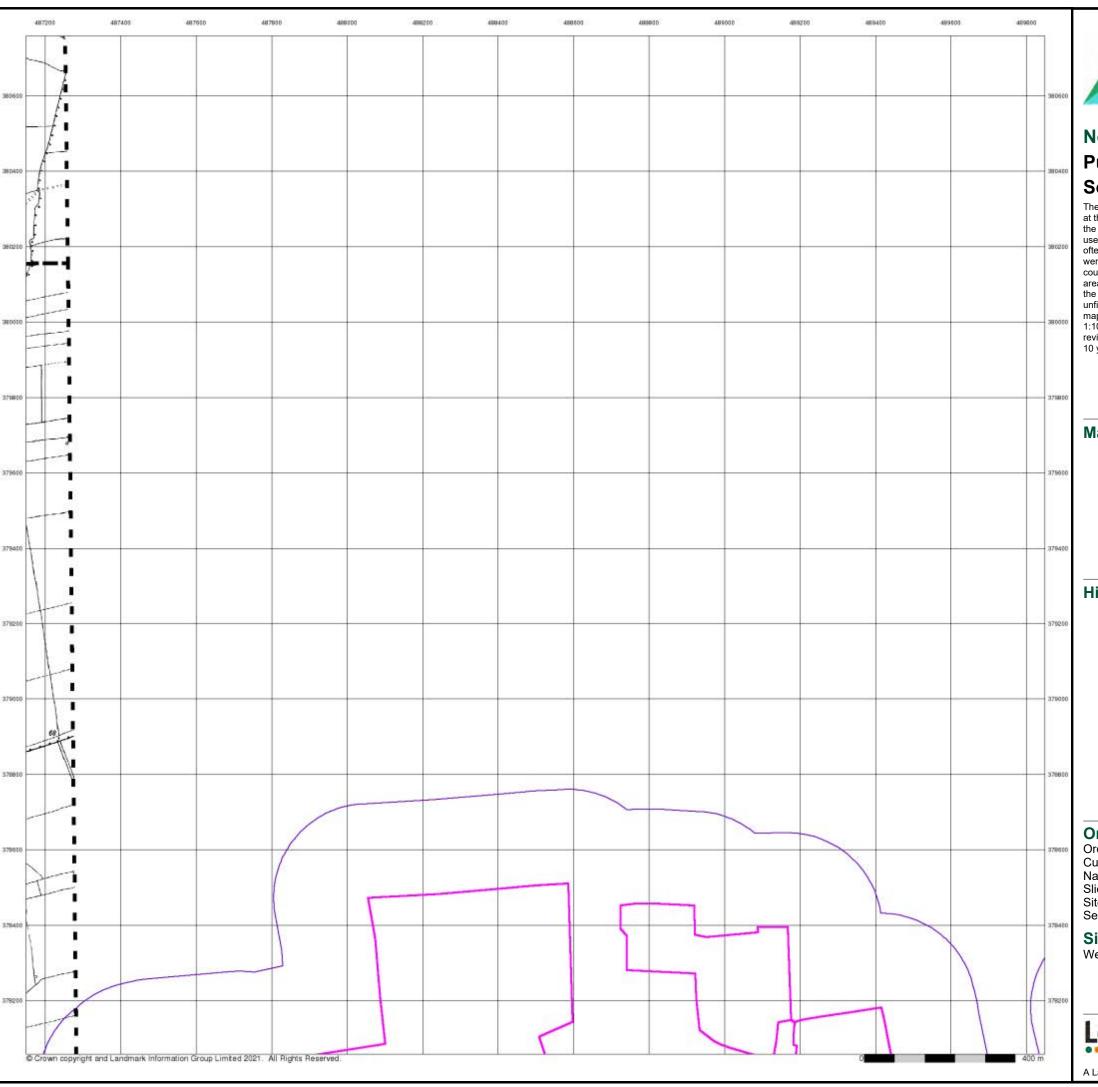
# **Site Details**

West Burton 2



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

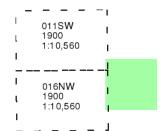




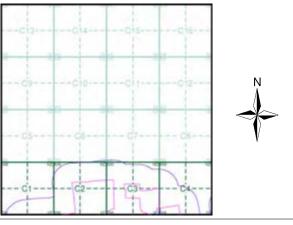
# Nottinghamshire Published 1900 Source map scale - 1:10,560

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: 287331844\_1\_1 Customer Ref: 21-1098.02 National Grid Reference: 488570, 378350 Slice: С

Site Area (Ha): Search Buffer (m): 331.04

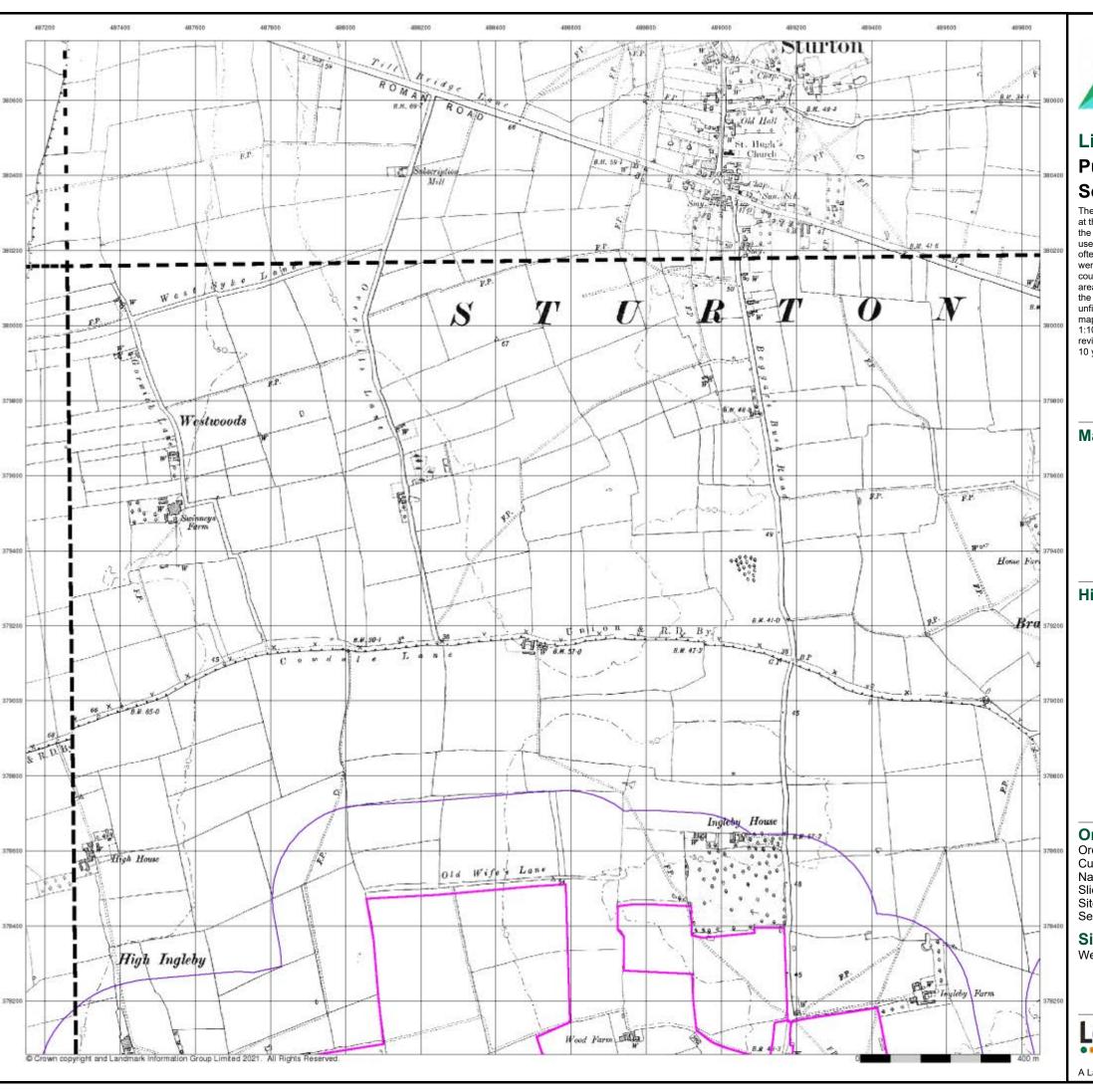
# **Site Details**

West Burton 2



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





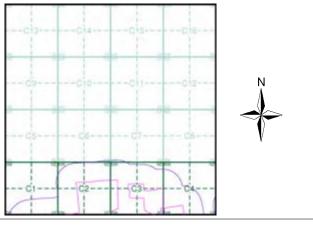
# Published 1906 - 1907 Source map scale - 1:10,560

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	051S <b>W</b> 1906		051SE 1907	1
1	1:10,560	İ	1:10,560	- 1
- 1				
-				
- 1	060NW		060NE	
	1906	i	1907	•
	1:10,560	i	1:10,560	ı
I		!		

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



#### **Order Details**

Order Number: 287331844\_1\_1 **Customer Ref:** 21-1098.02 National Grid Reference: 488570, 378350 Slice:

Site Area (Ha): Search Buffer (m): 331.04

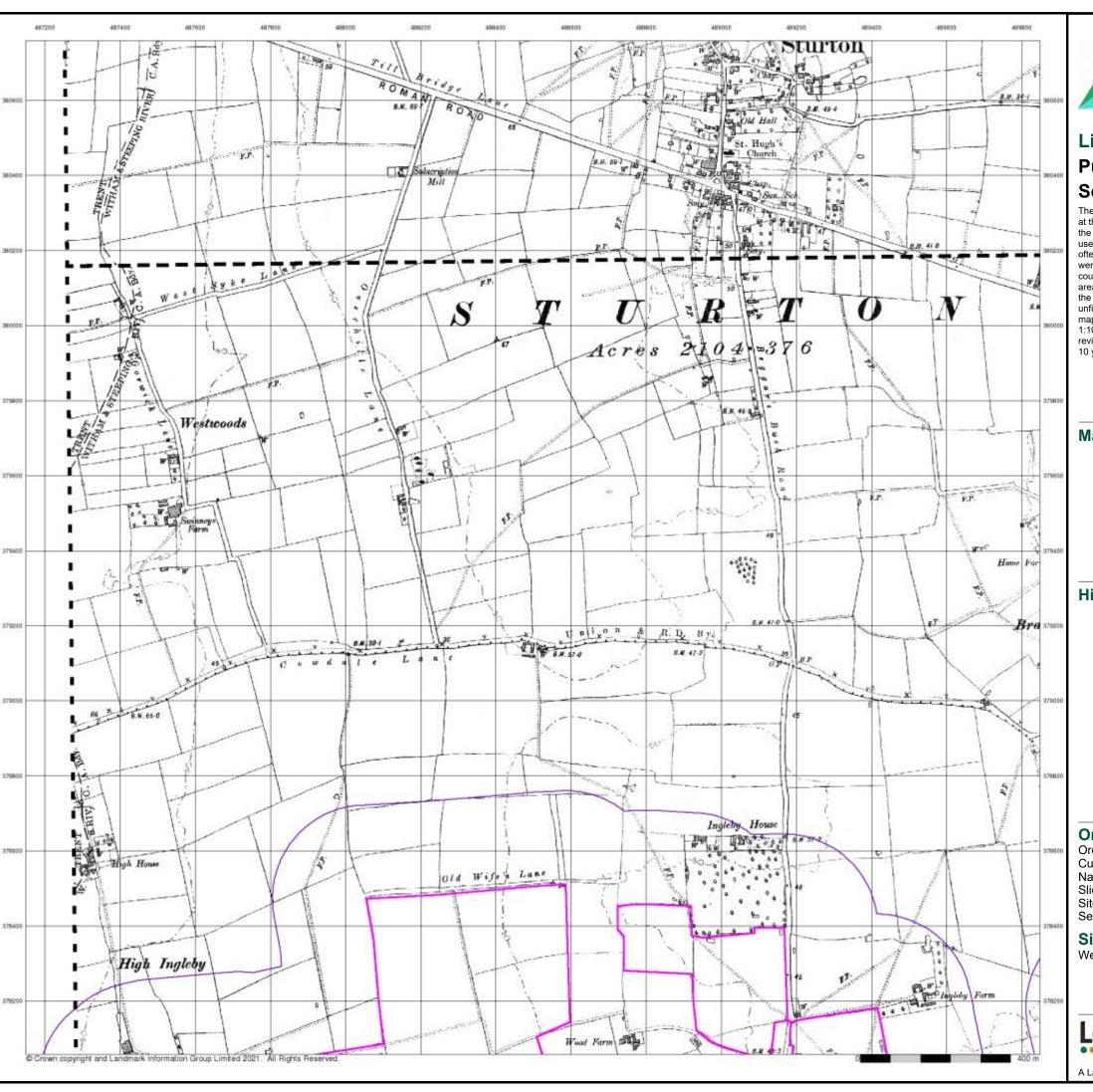
# **Site Details**

West Burton 2



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



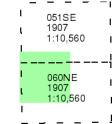


# Published 1907

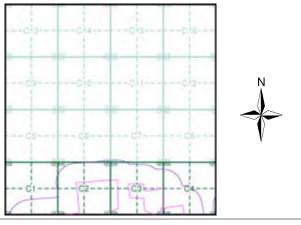
# Source map scale - 1:10,560

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: 287331844\_1\_1
Customer Ref: 21-1098.02
National Grid Reference: 488570, 378350

Slice:

Site Area (Ha): 331.04 Search Buffer (m): 250

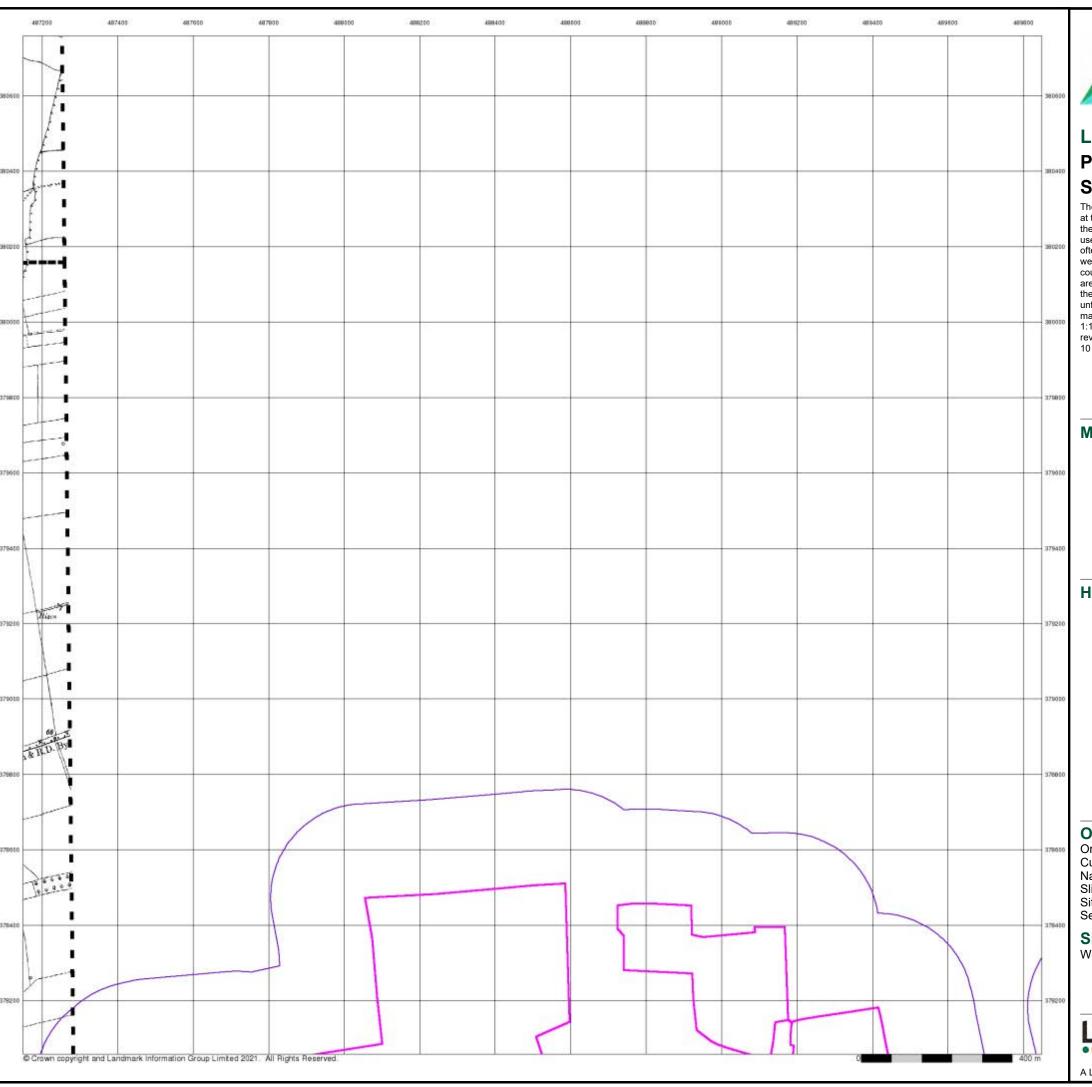
# **Site Details**

West Burton 2



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



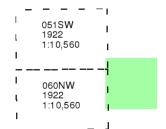


# Published 1922

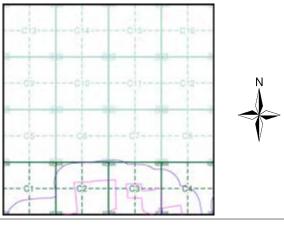
# Source map scale - 1:10,560

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: 287331844\_1\_1 Customer Ref: 21-1098.02 National Grid Reference: 488570, 378350 Slice: С

Site Area (Ha): Search Buffer (m): 331.04

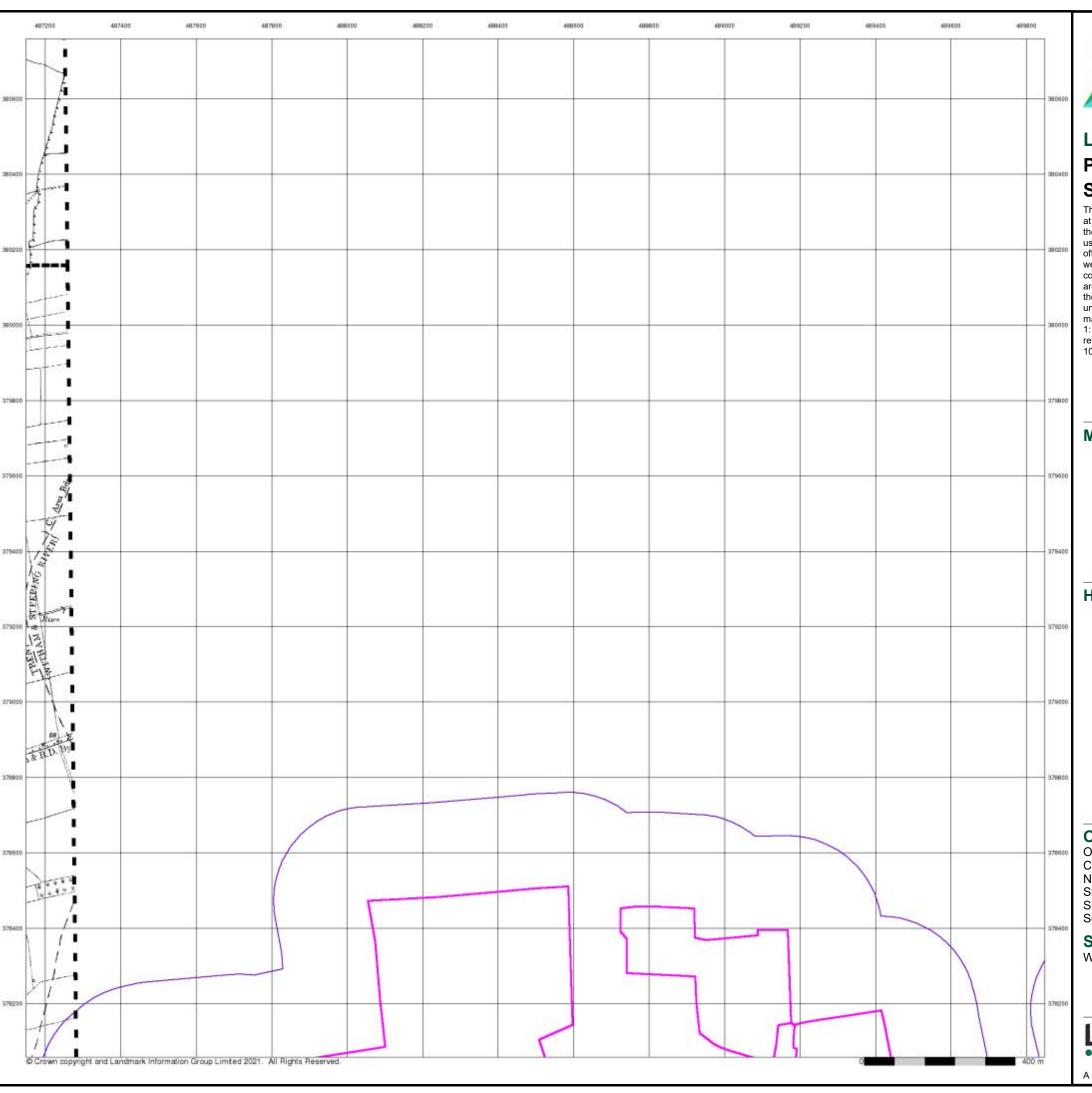
# **Site Details**

West Burton 2



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



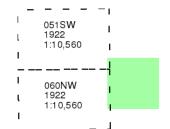


# Published 1922

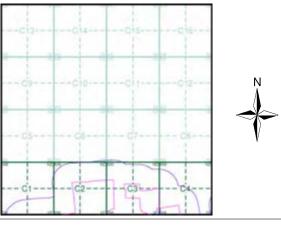
# Source map scale - 1:10,560

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: 287331844\_1\_1 Customer Ref: 21-1098.02 National Grid Reference: 488570, 378350 С

Slice:

Site Area (Ha): Search Buffer (m): 331.04

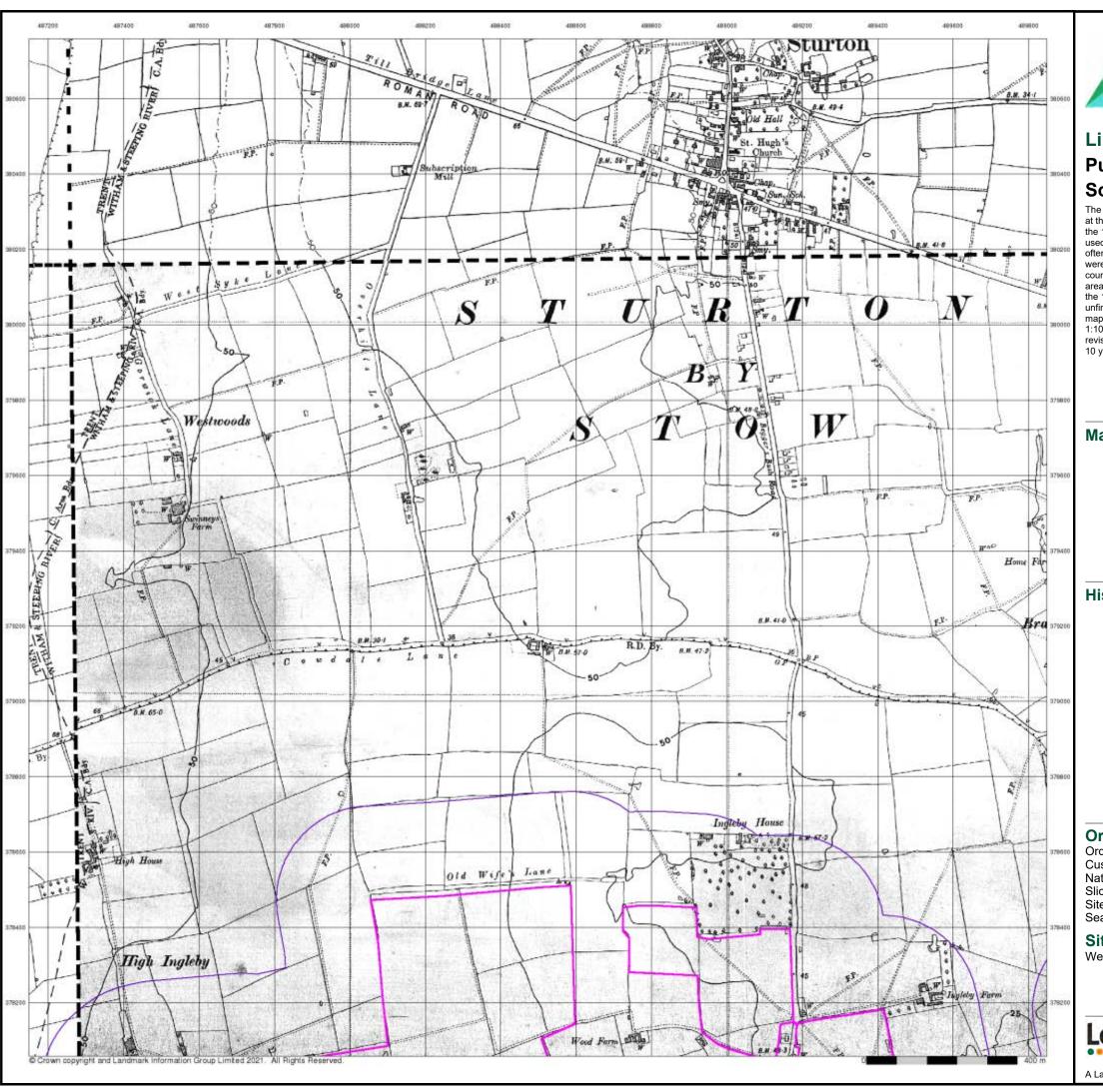
# **Site Details**

West Burton 2



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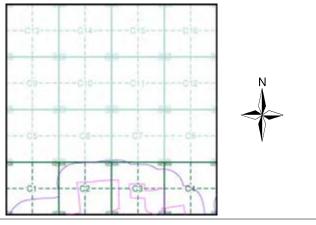
# **Published 1947** Source map scale - 1:10,560

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)

-		
l L	051S <b>W</b> 1947	051SE 1947
•	1:10,560	1:10,560
- 1		
- 1	060NW	060NE
	1947	1947
•	1:10,560	1:10,560
ı		! .

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



#### **Order Details**

Order Number: 287331844\_1\_1 **Customer Ref:** 21-1098.02 National Grid Reference: 488570, 378350 Slice:

Site Area (Ha): Search Buffer (m): 331.04

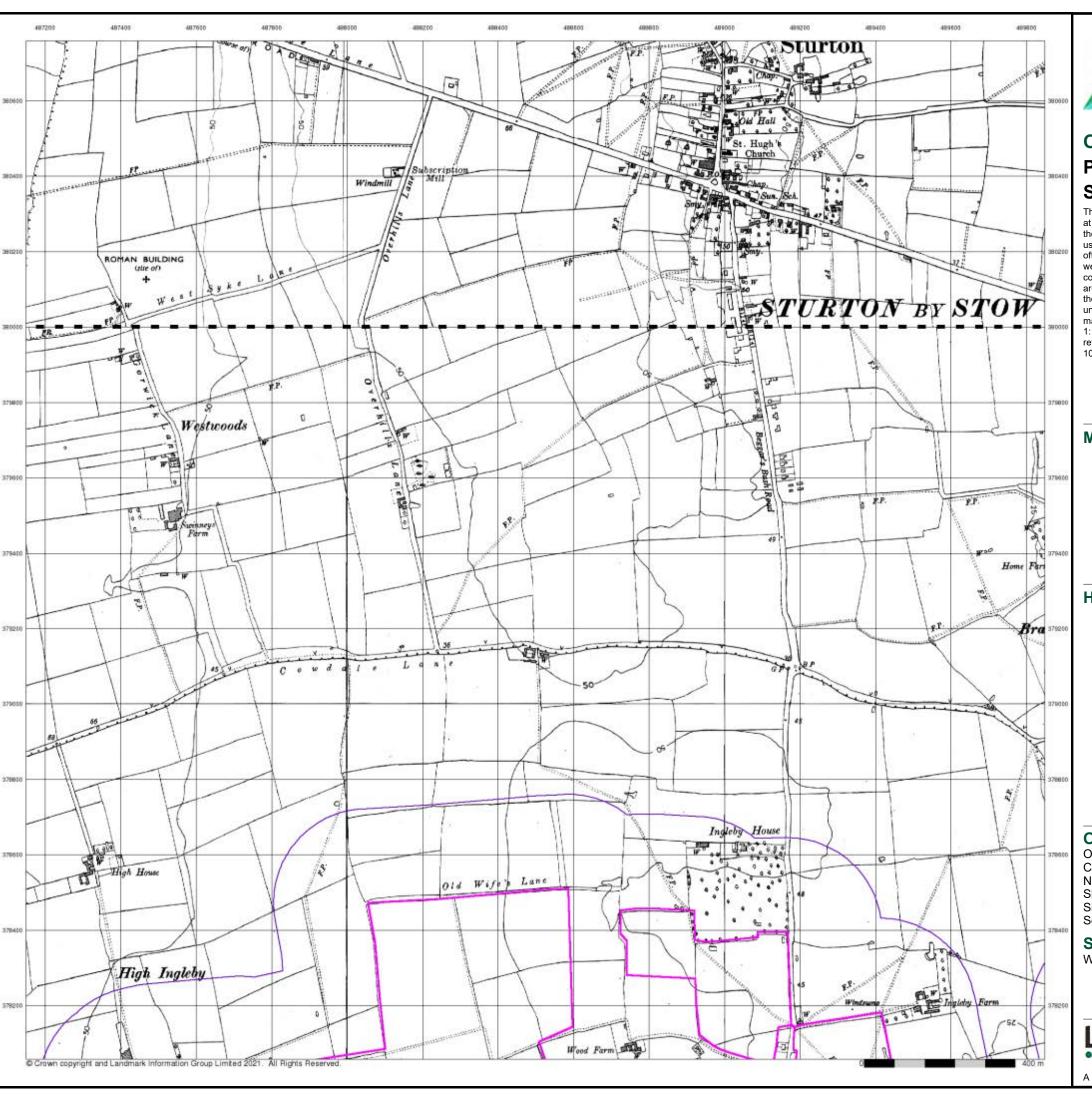
# **Site Details**

West Burton 2



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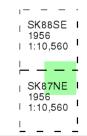




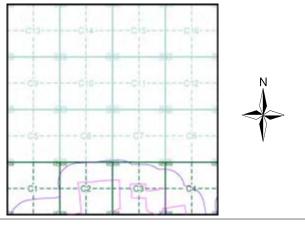
# **Ordnance Survey Plan** Published 1956 Source map scale - 1:10,000

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: 287331844\_1\_1 **Customer Ref:** 21-1098.02 National Grid Reference: 488570, 378350 Slice:

Site Area (Ha): Search Buffer (m): 331.04

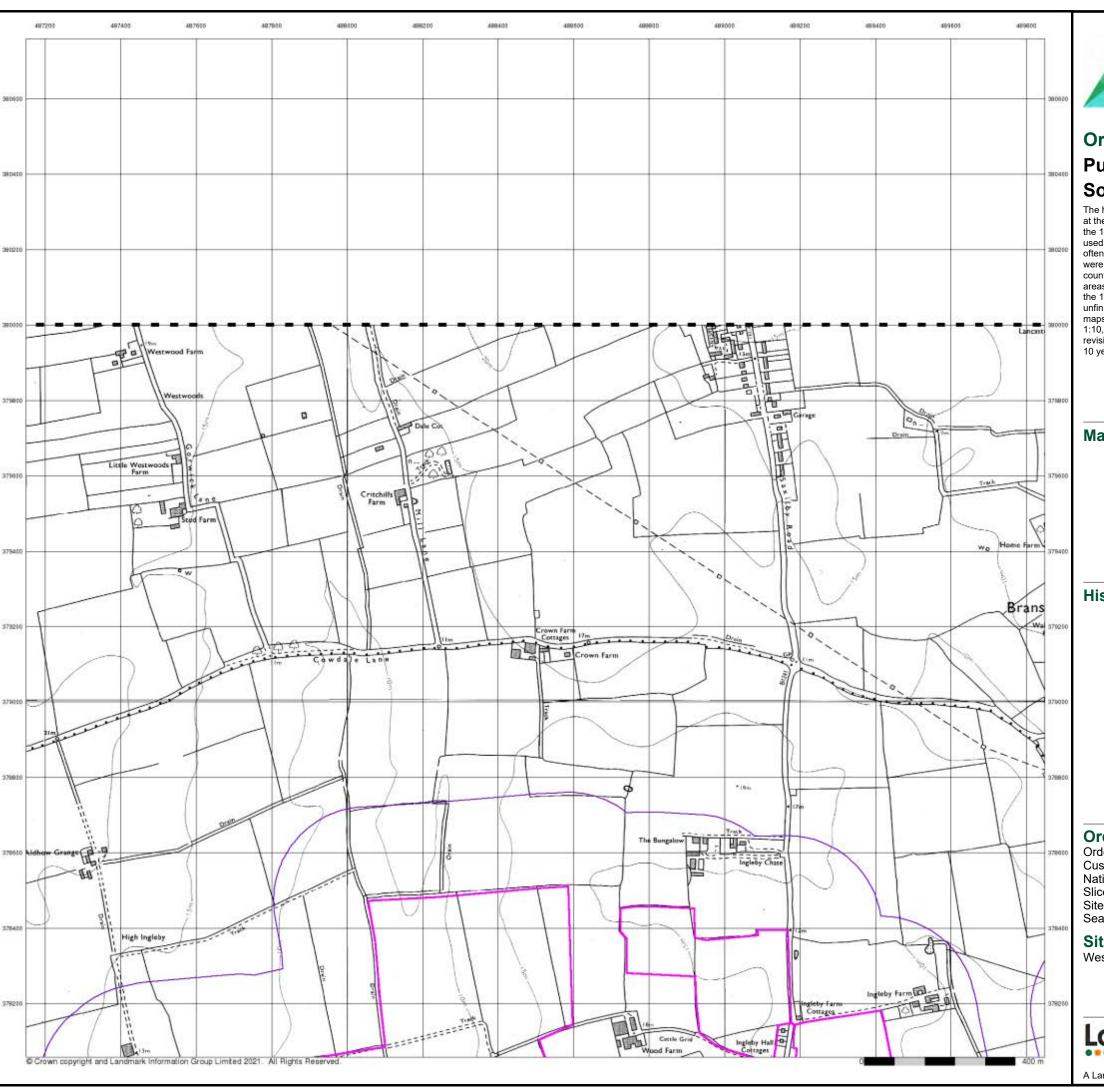
# **Site Details**

West Burton 2



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

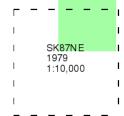




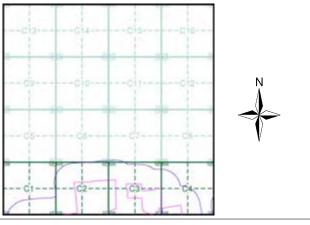
# **Ordnance Survey Plan** Published 1979 Source map scale - 1:10,000

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 C**



#### **Order Details**

Order Number: 287331844\_1\_1 **Customer Ref:** 21-1098.02 National Grid Reference: 488570, 378350 Slice:

Site Area (Ha): Search Buffer (m): 331.04

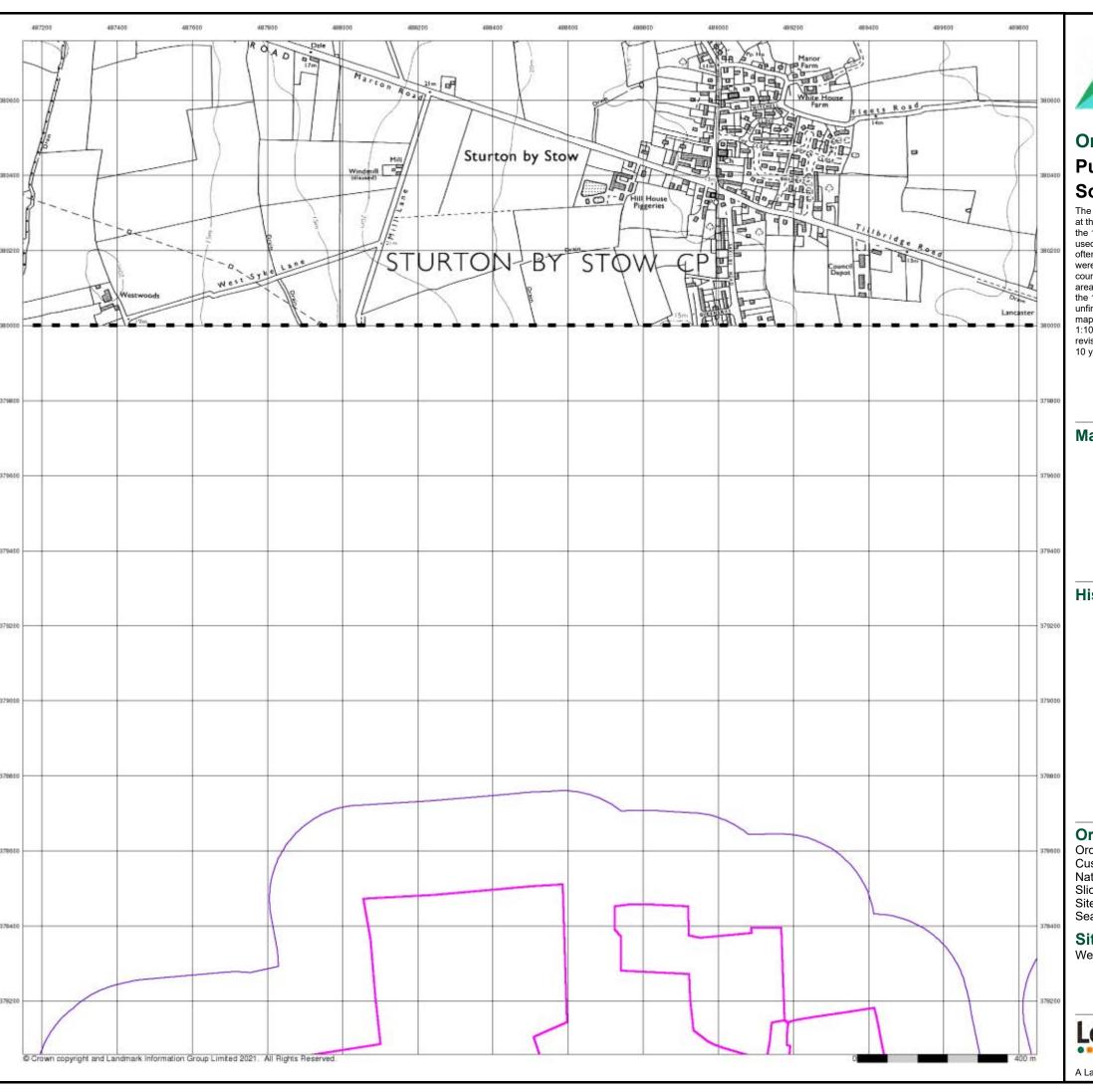
# **Site Details**

West Burton 2



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

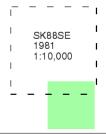




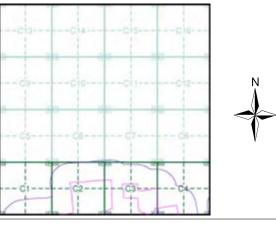
# **Ordnance Survey Plan** Published 1981 Source map scale - 1:10,000

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 C**



#### **Order Details**

Order Number: 287331844\_1\_1 **Customer Ref:** 21-1098.02 National Grid Reference: 488570, 378350 Slice:

Site Area (Ha): Search Buffer (m): 331.04

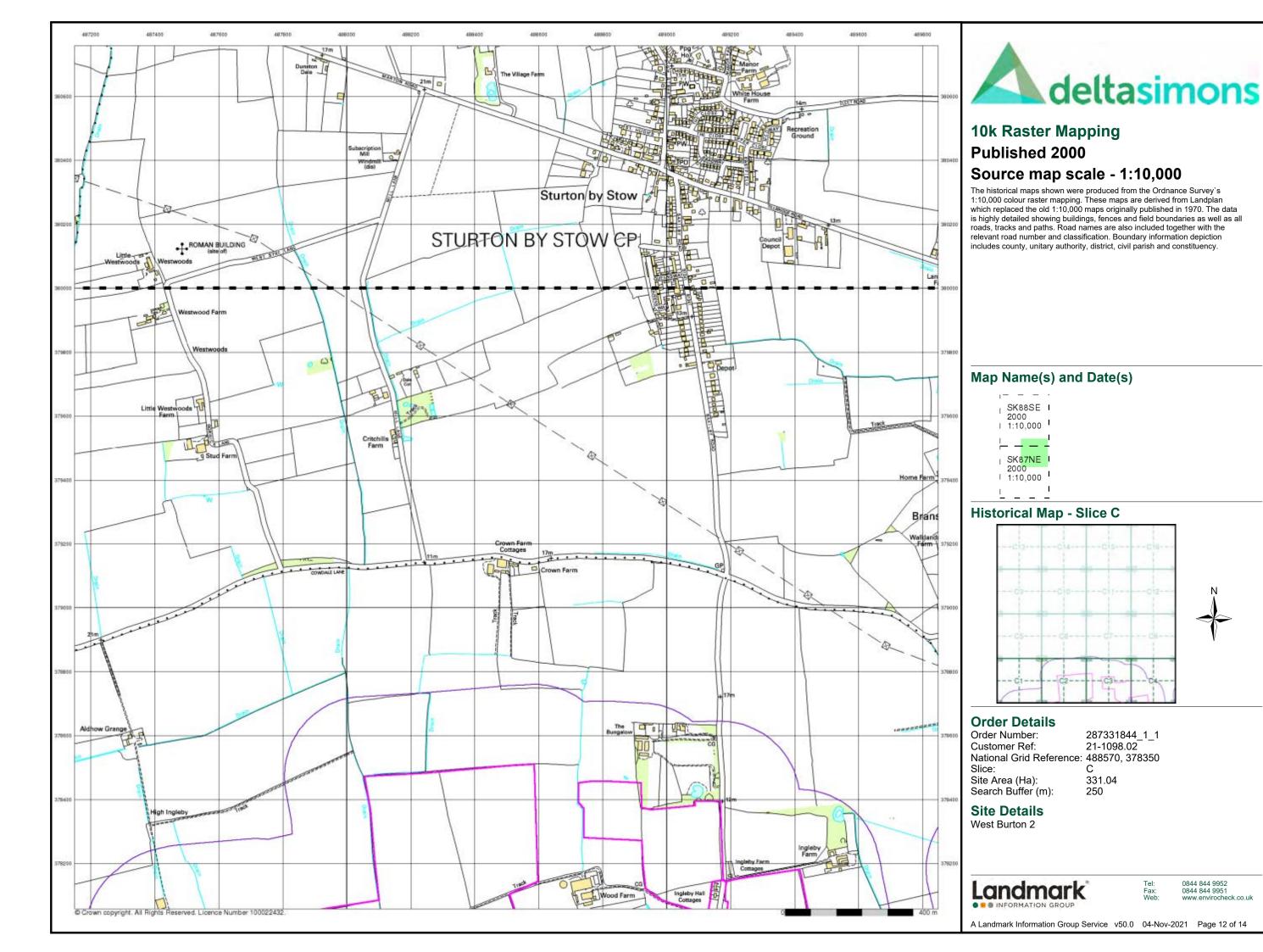
# **Site Details**

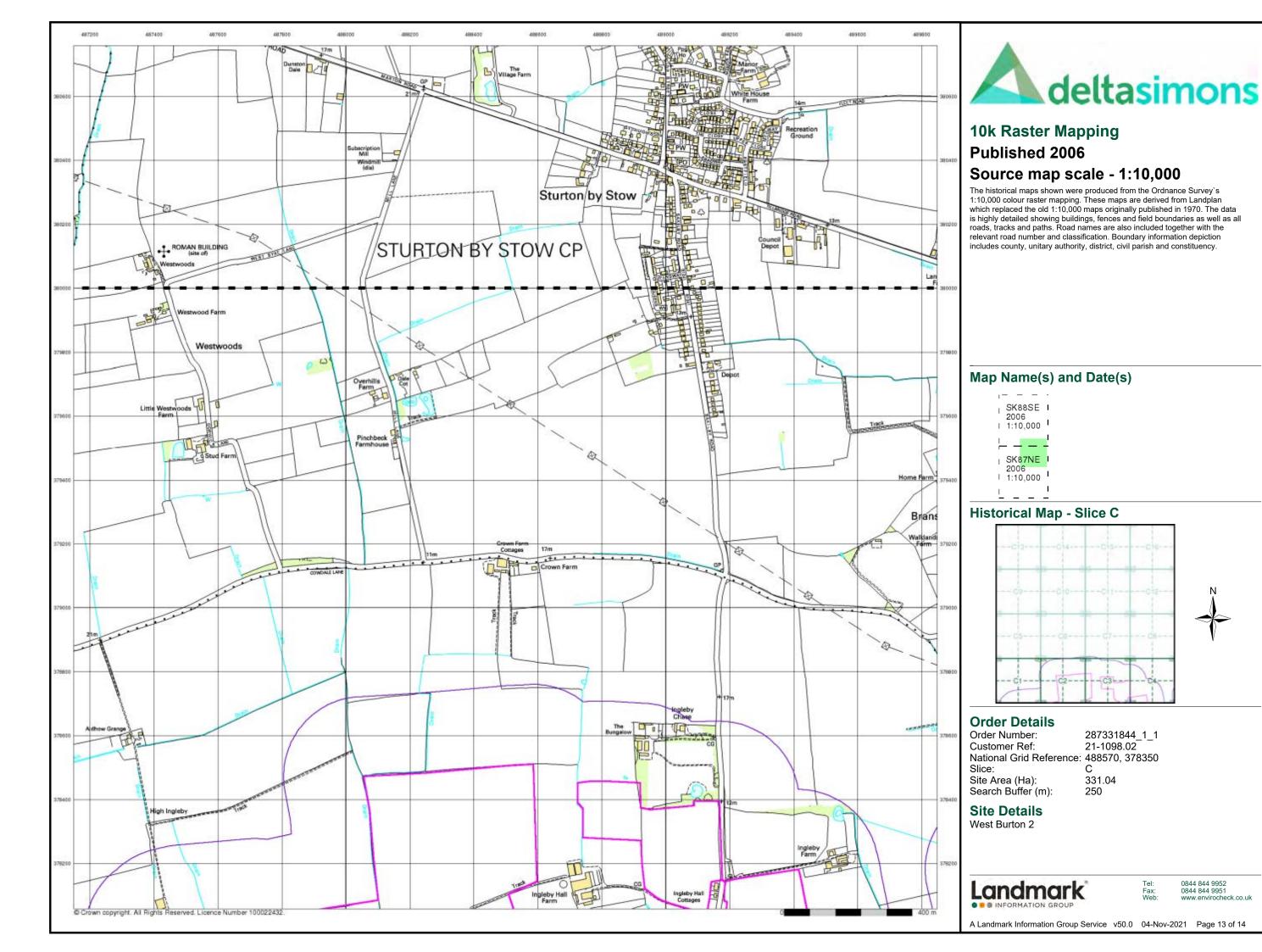
West Burton 2

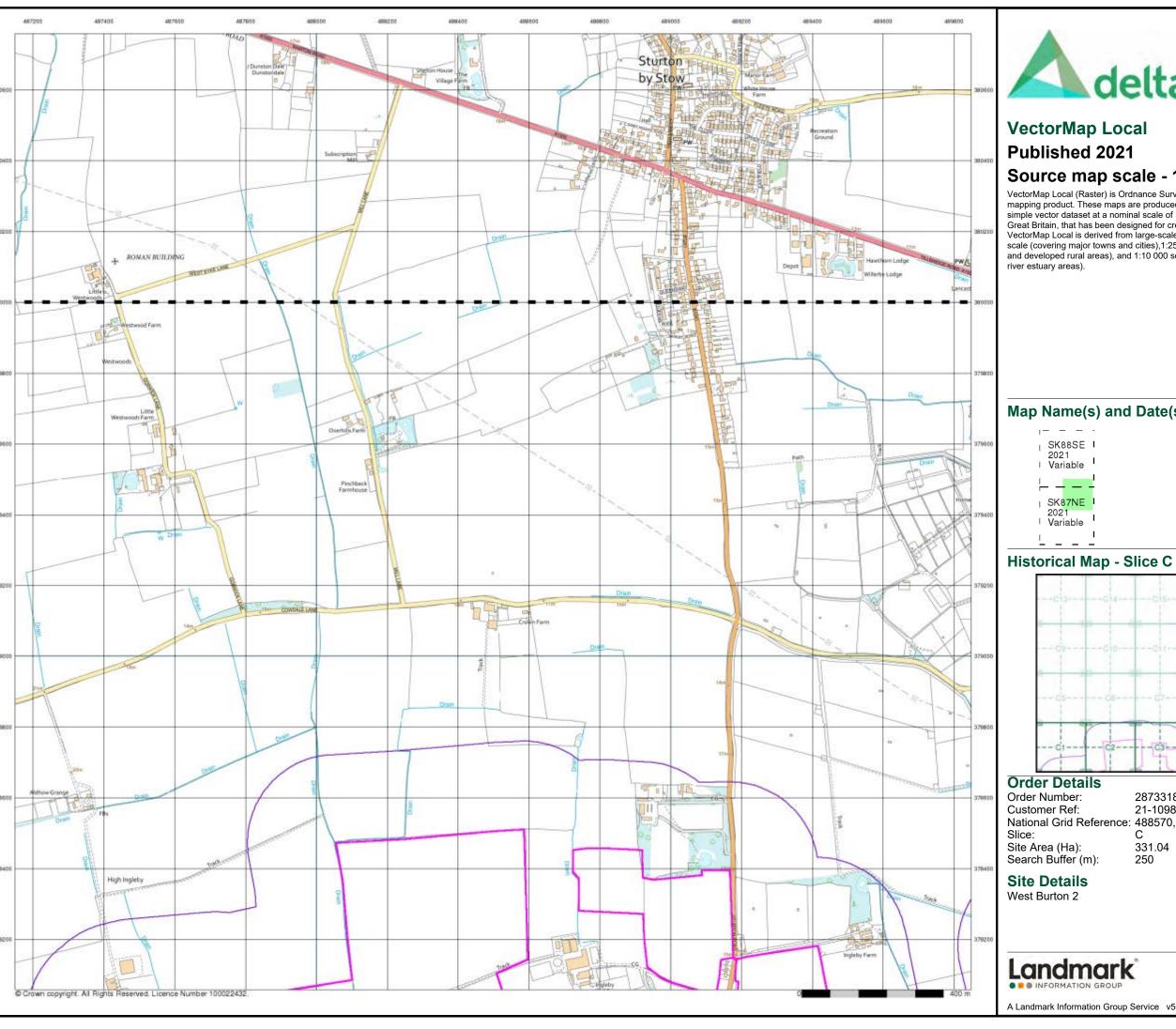


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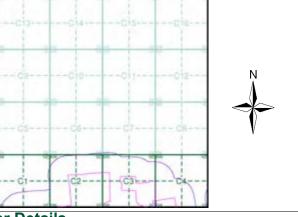


# deltasimons

# Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities),1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and

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



287331844\_1\_1 21-1098.02 National Grid Reference: 488570, 378350

331.04

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

# Appendix D – Landmark Envirocheck Report





# **Envirocheck® Report:**

# **Datasheet**

#### **Order Details:**

**Order Number:** 

287331844\_1\_1

**Customer Reference:** 

21-1098.02

**National Grid Reference:** 

488660, 377270

Slice:

Α

Site Area (Ha):

331.04

Search Buffer (m):

250

#### **Site Details:**

West Burton 2

#### **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	20
Hazardous Substances	-
Geological	21
Industrial Land Use	23
Sensitive Land Use	24
Data Currency	25
Data Suppliers	31
Useful Contacts	32

#### Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination.

For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.

In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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#### Report Version v53.0



Data Type	Page Number	On Site	0 to 250m (*up to 500m)
Agency & Hydrological			
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes
Contaminated Land Register Entries and Notices			
Discharge Consents	pg 2		7
Prosecutions Relating to Controlled Waters			n/a
Enforcement and Prohibition Notices			
Integrated Pollution Controls			
Integrated Pollution Prevention And Control	pg 3		1
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			
Prosecutions Relating to Authorised Processes			
Registered Radioactive Substances			
River Quality			
River Quality Biology Sampling Points			
River Quality Chemistry Sampling Points			
Substantiated Pollution Incident Register			
Water Abstractions	pg 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 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	
Flooding from Rivers or Sea without Defences	pg 10	Yes	Yes
Areas Benefiting from Flood Defences			
Flood Water Storage Areas	pg 10	Yes	
Flood Defences			
OS Water Network Lines	pg 10	37	41



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 20	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 21	Yes	n/a
BGS Estimated Soil Chemistry	pg 21	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 22	Yes	
Potential for Compressible Ground Stability Hazards			
Potential for Ground Dissolution Stability Hazards			
Potential for Landslide Ground Stability Hazards	pg 22	Yes	
Potential for Running Sand Ground Stability Hazards	pg 22	Yes	
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 22	Yes	
Radon Potential - Radon Affected Areas			n/a
Radon Potential - Radon Protection Measures			n/a
Industrial Land Use			
Contemporary Trade Directory Entries	pg 23		1
Fuel Station Entries			
Points of Interest - Commercial Services			
Points of Interest - Education and Health			
Points of Interest - Manufacturing and Production	pg 23		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 24	2	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: Limited Potential for Groundwater Flooding to Occur	A11NW	0	1	488661 377271
	BGS Groundwater Flooding Susceptibility	(NE)			3//2//
	Flooding Type: Limited Potential for Groundwater Flooding to Occur	(N)	0	1	489000 378350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11NW	0	1	488500
	5 <i>7</i>	(SW)	-		377100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A6NE (S)	0	1	488450 376650
	BGS Groundwater Flooding Susceptibility	(3)			370030
	Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11NE (E)	0	1	489000 377271
	BGS Groundwater Flooding Susceptibility				
	Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16NW (NE)	0	1	489300 377750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A10NW	0	1	488050
		(W)	-		377050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SW (SE)	0	1	489450 376750
	BGS Groundwater Flooding Susceptibility	(OL)			370730
	Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A10SE (SW)	0	1	488300 376750
	BGS Groundwater Flooding Susceptibility	(311)			
	Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(E)	0	1	489900 377271
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(E)	0	1	490000 377271
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A6NE	3	1	488200
	BGS Groundwater Flooding Susceptibility	(SW)			376450
	Flooding Type: Limited Potential for Groundwater Flooding to Occur	A6NW (SW)	19	1	488150 376500
	BGS Groundwater Flooding Susceptibility	(011)			0,0000
	Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	54	1	490000 376450
	BGS Groundwater Flooding Susceptibility				3.0100
	Flooding Type: Limited Potential for Groundwater Flooding to Occur	A6NW (SW)	55	1	488150 376450
	BGS Groundwater Flooding Susceptibility	\/			2.2.00
	Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(N)	56	1	489050 378450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	91	1	490000
					376250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	127	1	489000 378550
	BGS Groundwater Flooding Susceptibility				3,0000
	Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(NE)	146	1	489550 378250
	BGS Groundwater Flooding Susceptibility				
	Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	171	1	490050 376150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	214	1	489000

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Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Discharge Consent	s				
1	Operator: Property Type: Location:	J Nowell Domestic Property (Single) Ingleby Hall Barns Barn 1 Sturton Road, Ingleby, Lincoln, Lincolnshire, Ln1 2pq	A16NW (NE)	5	2	489360 377951
	Authority: Catchment Area: Reference: Permit Version:	Environment Agency, Anglian Region River Till Prnnf12879 1				
	Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge	8th November 2002 12th December 2002 Not Supplied Sewage Discharges - Final/Treated Effluent - Not Water Company Freshwater Stream/River				
	Environment: Receiving Water: Status:	Tributary Of The River Till New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)				
	Positional Accuracy:	Located by supplier to within 10m				
	Discharge Consent	s				
1	Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version:	J Nowell Domestic Property (Single) Ingleby Hall Barns Barn 2 Sturton Road, Ingleby, Lincoln, Ln1 2pq Environment Agency, Anglian Region River Till Prnnf12880 1	A16NW (NE)	5	2	489360 377950
	Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge	ffective Date: 8th November 2002 sued Date: 12th December 2002 evocation Date: 1st April 2004 ischarge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company ischarge Freshwater Stream/River				
	Environment: Receiving Water: Status:	Tributary Of The River Till New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)				
	-	Located by supplier to within 10m				
2	Discharge Consent Operator:	J Nowell	A16NW	22	2	489190
	Property Type: Location: Authority: Catchment Area: Reference:	Domestic Property (Single) Ingleby Hall Barns Barn 2 Sturton Road, Ingleby, Lincoln, Ln1 2pq Environment Agency, Anglian Region River Till Prnnf12880	(NE)			377780
	Permit Version: Effective Date: Issued Date:	2 2nd April 2004 2nd April 2004				
	Revocation Date: Discharge Type: Discharge Environment:	Not Supplied Sewage Discharges - Final/Treated Effluent - Not Water Company Freshwater Stream/River				
	Receiving Water: Status:	Tributary Of The River Till  New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by complication and the second by complication within 1000.				
		Located by supplier to within 10m				
3	Discharge Consent Operator:	s Leverton Farms Limited	A12NW	39	2	489500
3	Property Type: Location: Authority: Catchment Area: Reference:	Arable Farming Leverton Farms Ltd, Ingleby Grange Farm, Ingleby Environment Agency, Anglian Region Catchment 29 Unknown Detail Gwnlf40504	(E)	39	2	377200
	Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type:	1 1st April 1999 21st July 2000 27th February 2015 Trade Discharge - Agricultural And Surface				
	Discharge Environment: Receiving Water: Status:	Onto Land  Groundwater Surrendered under EPR 2010				
		Located by supplier to within 100m				



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water: Status:	Leverton Farms Limited WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Ingleby Hall Farm, Saxilby With Ingleby, Nr.Lincoln. Environment Agency, Anglian Region Not Supplied Pr3lfu390 1 17th January 1969 17th January 1969 30th May 1997 Unknown Onto Land Land Pre National Rivers Authority Legislation where issue date < 01/09/1989 Approximate location provided by supplier	A15NE (NE)	40	2	489000 378000
5	Discharge Type: Discharge Environment: Receiving Water: Status:	M&M Care Ltd Domestic Property (Single) Old Rectory Saxilby Sturton Road, Saxilby, Lincoln, Ln1 2pg Environment Agency, Anglian Region River Till Pr3nf446 2 1st February 1992 1st February 1992 Not Supplied Sewage Discharges - Final/Treated Effluent - Not Water Company Freshwater Stream/River Unnamed Stream Post National Rivers Authority Legislation where issue date > 31/08/1989 Located by supplier to within 100m	A8NE (SE)	187	2	489700 376400
5	Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water: Status:	Messrs Brock & Hogan Domestic Property (Single) Old Rectory Saxilby Sturton Road, Saxilby, Lincoln, Ln1 2pg Environment Agency, Anglian Region Not Supplied Pr3nf446 1 28th August 1987 28th August 1987 31st January 1992 Sewage Discharges - Final/Treated Effluent - Not Water Company Freshwater Stream/River Unknown Trib Pre National Rivers Authority Legislation where issue date < 01/09/1989 Located by supplier to within 100m	A8NE (SE)	187	2	489700 376400
6	Name: Location:  Authority: Permit Reference: Original Permit Ref: Effective Date: Status: Application Type: App. Sub Type: Positional Accuracy: Activity Code:	Prevention And Control  Leverton Farms Limited Ingleby Hall Farm Poultry Unit, Ingleby Hall Farm, Ingleby,, Lincoln, Lincolnshire, LN1 2PQ Environment Agency, Midlands Region XP3838QG Xp3838qg 31st July 2019 Effective Application New Located by supplier to within 100m 6.9 A(1) (A) (I) Intensive Farming; Greater Than 40,000 Poultry Y	A15NW (N)	82	2	488600 377880
	Nearest Surface Wat	ter Feature	A16SE (E)	0	-	489837 377403

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Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions					
7	Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	David Johnson & Partners 4/30/06/*S/0013 100 Drain In Ingleby Pumped System Environment Agency, Anglian Region General Agriculture: Spray Irrigation - Storage Water may be abstracted from a single point Surface Not Supplied Not Supplied Not Supplied O1 January 31 March 1st November 1991 Not Supplied Located by supplier to within 100m	A16NE (NE)	182	2	489700 377940
	Groundwater Vulne Combined Classification: Combined Vulnerability: Combined Aquifer: Pollutant Speed:	Prability Map Secondary Bedrock Aquifer - High Vulnerability High Productive Bedrock Aquifer, Productive Superficial Aquifer Low	A16NW (NE)	0	3	489235 378000
	Bedrock Flow: Dilution: Baseflow Index: Superficial Patchiness: Superficial Thickness:	Well Connected Fractures <300 mm/year 40-70% <90% <3m				
	Superficial Recharge:	No Data				
	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 - High Vulnerability  High  Productive Bedrock Aquifer, Productive Superficial Aquifer High Poorly Connected Fractures <300 mm/year >70% <90%  <3m  High	(NE)	0	3	490041 378000
	Combined Classification: Combined Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index: Superficial Patchiness: Superficial Thickness: Superficial Recharge:	Secondary Bedrock Aquifer - High Vulnerability  High  Productive Bedrock Aquifer, No Superficial Aquifer Low Well Connected Fractures <300 mm/year 40-70% <90%  <3m  No Data	(E)	0	3	489915 377000



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	(E)	0	3	490000 376988
	Combined Vulnerability:	High				070000
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, No Superficial Aquifer High				
	Bedrock Flow: Dilution:	Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	>70% <90%				
	Patchiness: Superficial	3-10m				
	Thickness: Superficial Recharge:	High				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	A16SE (E)	0	3	489811 377506
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, No Superficial Aquifer Low				
	Bedrock Flow: Dilution: Baseflow Index:	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 Bedrock Aquifer - High Vulnerability	(E)	0	3	490000 377673
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, No Superficial Aquifer High				
	Bedrock Flow: Dilution: Baseflow Index:	Poorly Connected Fractures <300 mm/year >70%				
	Superficial Patchiness:	<90%				
	Superficial Thickness:	<3m				
	Superficial Recharge:	High				
	Groundwater Vulne	•				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	(E)	0	3	489992 377000
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed: Bedrock Flow:	Productive Bedrock Aquifer, Productive Superficial Aquifer Low Well Connected Fractures				
	Dilution: Baseflow Index:	veil Connected Fractures <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 Superficial Aquifer - High Vulnerability	(E)	0	3	490000 377000
	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	3-10m				
	Thickness: Superficial	High				
	Recharge:					
	Groundwater Vulne Combined	erability Map Secondary Bedrock Aquifer - High Vulnerability	A10SE	0	3	488280
	Classification:	High	(SW)		3	376744
	Vulnerability: 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: Superficial Thickness:	<3m				
	Superficial Recharge:	No Data				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	(E)	0	3	489903 377304
	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 Man				
	Combined	Secondary Bedrock Aquifer - High Vulnerability	A16NW	0	3	489312
	Classification: Combined	High	(NE)			377765
	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				



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - High Vulnerability	(E)	0	3	490000 377271
	Combined Vulnerability:	High				077271
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, Productive Superficial Aquifer High				
	Bedrock Flow: Dilution:	Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	>70% <90%				
	Patchiness: Superficial Thickness:	<3m				
	Superficial Recharge:	High				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	(NE)	0	3	490000 378000
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed: Bedrock Flow:	Productive Bedrock Aquifer, No Superficial Aquifer High Poorly Connected Fractures				
	Dilution: Baseflow Index:	-300 mm/year >70%				
	Superficial Patchiness:	<90%				
	Superficial Thickness:	<3m				
	Superficial Recharge:	High				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	A15NE (NE)	0	3	489000 378000
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed: Bedrock Flow:	Productive Bedrock Aquifer, No Superficial Aquifer 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 Bedrock Aquifer - High Vulnerability	A14NW (NW)	0	3	488000 378000
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed: Bedrock Flow:	Productive Bedrock Aquifer, No Superficial Aquifer Low Well Connected Fractures				
	Dilution: Baseflow Index:	veil connected Fractures <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	Secondary Bedrock Aquifer - High Vulnerability	A15NW	0	3	488661
	Classification: Combined	High	(N)			378000
	Vulnerability: 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:	<90%				
	Superficial	<3m				
	Thickness:	No Data				
	Superficial Recharge:	no Data				
	Groundwater Vulne					
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	A11SW (S)	0	3	488661 377000
	Combined Vulnerability:	High				
	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:	3011				
	Superficial Recharge:	No Data				
	Groundwater Vulne	erability Map				
	Combined	Secondary Bedrock Aguifer - High Vulnerability	A11SE	0	3	489000
	Classification:	, , ,	(SE)			377000
	Combined Vulnerability:	High				
	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:	(3)11				
	Superficial Recharge:	No Data				
	Groundwater Vulne	erability Map				
	Combined	Secondary Bedrock Aquifer - High Vulnerability	A10NW	0	3	488000
	Classification: Combined	High	(W)			377271
	Vulnerability:					
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, No Superficial Aquifer Low				
	Bedrock Flow:	Well Connected Fractures				
	Dilution:	<300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness:	NO /0				
	Superficial	<3m				
	Thickness: Superficial	No Data				
	Recharge:	NU Dala				



ap D		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined	Secondary Bedrock Aquifer - High Vulnerability	A11NW	0	3	488661
	Classification:	φ το του <b>γ</b>	(NE)			377271
	Combined	High				
	Vulnerability:					
	Combined Aquifer:	Productive Bedrock Aquifer, No Superficial Aquifer Low				
	Pollutant Speed: Bedrock Flow:	Well Connected Fractures				
	Dilution:	<300 mm/year				
	Baseflow Index:	40-70%				
	Superficial	<90%				
	Patchiness:					
	Superficial	<3m				
	Thickness:	No Data				
	Superficial Recharge:	No Data				
	Groundwater Vulne	erability Map				
	Combined	Secondary Bedrock Aquifer - High Vulnerability	A11NE	0	3	489000
	Classification:	,	(E)			377271
	Combined	High				
	Vulnerability:	D 1 ( D 1 1 A ( ) ) 0 ( ( ) ) ( )				
	Combined Aquifer:	Productive Bedrock Aquifer, No Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	Low Well Connected Fractures				
	Dilution:	<300 mm/year				
	Baseflow Index:	40-70%				
	Superficial	<90%				
	Patchiness:					
	Superficial	<3m				
	Thickness: Superficial	No Data				
	Recharge:	NO Data				
	Groundwater Vulne	erability - Soluble Rock Risk				
	None	•				
	Bedrock Aquifer De	esignations				
	Aquifer Designation:	Secondary Aquifer - Undifferentiated	A16SE	0	3	489811
			(E)			377506
	Bedrock Aquifer De	esignations				
	Aquifer Designation:	Secondary Aquifer - Undifferentiated	(E)	0	3	490000
	Bedrock Aquifer De	esignations				377271
		Secondary Aquifer - B	A11NW	0	3	488661
	Aquilei Designation.	Secondary Aquiler - B	(NE)	0	3	377271
	Superficial Aquifer	Designations				
	Aquifer Designation:	Secondary Aquifer - A	(E)	0	3	489903
	Superficial Aquifer	Designations				377304
		Secondary Aquifer - A	A10SE	0	3	488280
	Aquilor Designation.	- Coconadi y Aquilloi - A	(SW)	U	3	376744
	Superficial Aquifer	Designations				
	Aquifer Designation:	Secondary Aquifer - A	(E)	0	3	490000
			(-/		-	377271
	Superficial Aquifer	Designations				
	Aquifer Designation:	Secondary Aquifer - A	A16NW	0	3	489312
	Extreme Flooding	rom Rivers or Sea without Defences	(NE)			377765
			44005		6	400000
	Type: Flood Plain Type:	Extent of Extreme Flooding from Rivers or Sea without Defences Fluvial Events	A16SE	0	2	489699 377504
	Boundary Accuracy:		(E)			311302
		from Rivers or Sea without Defences				
	Type:	Extent of Extreme Flooding from Rivers or Sea without Defences	A16SE	0	2	489685
	Flood Plain Type:	Fluvial Events	(E)	"	4	377520
	Boundary Accuracy:		(-)			3,7320
	Extreme Flooding f	rom Rivers or Sea without Defences				
	Type:	Extent of Extreme Flooding from Rivers or Sea without Defences	A12NE	0	2	489704
	Flood Plain Type:	Fluvial Models	(E)		۷	377126
			\-'			
	Boundary Accuracy:					
	Boundary Accuracy:					
	Boundary Accuracy:  Extreme Flooding to	rom Rivers or Sea without Defences	Δ16 <b>9</b> E	0	2	<b>48060</b> 9
	Boundary Accuracy:		A16SE (E)	0	2	489698 377504

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences  Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A16SW (E)	0	2	489410 377552
	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	A10NE (W)	0	2	488402 377252
	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	A16SE (E)	0	2	489670 377589
	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 (E)	0	2	489410 377552
	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	A6NW (SW)	3	2	488128 376518
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas  Type: Flood Water Storage Areas Reference: Not Supplied	A12NE (E)	0	2	489726 377333
	Flood Defences None				
8	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 14.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A12SW (SE)	0	4	489487 376736
9	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 1.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A12SW (SE)	0	4	489502 376740
10	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 184.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A12SW (SE)	0	4	489503 376740
11	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 22.2  Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	A12SE (SE)	0	4	489720 376804
12	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	A12SE (SE)	0	4	489680 376793

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A12SE (SE)	0	4	489688 376795
14	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 248.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A12SE (SE)	0	4	489720 376804
15	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Not Supplied Primacy: 1	A11NE (E)	0	4	489025 377331
16	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 326.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Not Supplied Primacy: 2	A11NE (E)	0	4	489119 377261
17	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 274.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A16SE (E)	0	4	489824 377429
18	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 113.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A12NW (E)	0	4	489196 377310
19	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 6.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A12NW (E)	0	4	489309 377306
20	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 50.9  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A12NW (E)	0	4	489315 377307
21	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 5.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A12NW (E)	0	4	489190 377312



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 273.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A16SE (E)	0	4	489837 377403
23	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 4.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A16SE (E)	0	4	489827 377446
24	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Primacy: 2	A11NE (SE)	0	4	488958 377068
25	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 486.9 Watercourse Level: On ground surface True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A8NE (SE)	0	4	489713 376390
26	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 244.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	A12SE (SE)	0	4	489726 376783
27	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 1096.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A11NE (E)	0	4	489138 377315
28	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 144.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A15SE (NE)	0	4	489007 377447
29	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 146.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A15SE (E)	0	4	489149 377451
30	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 227.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A15SW (NE)	0	4	488804 377531



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A15SE (NE)	0	4	489169 377596
32	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 378.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A16SE (E)	0	4	489769 377670
33	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A16NW (NE)	0	4	489496 377858
34	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 279.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A13SW (W)	0	4	487470 377705
35	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 483.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A14NW (NW)	0	4	488113 377995
36	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 282.0  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A14NW (NW)	0	4	488073 377743
37	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 421.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A10NW (W)	0	4	488099 377316
38	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 7.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A14NW (NW)	0	4	488074 377735
39	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 10.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A14NW (NW)	0	4	488114 377985



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
40	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 119.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A6NE (SW)	0	4	488193 376636
	OS Water Network Lines				
41	Watercourse Form: Inland river Watercourse Length: 225.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A10SE (SW)	0	4	488189 376859
42	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 812.6  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A11SW (S)	0	4	488742 377010
43	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 276.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A13SE (W)	0	4	487489 377430
44	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 227.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A6NE (S)	0	4	488418 376663
45	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 138.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A12SW (SE)	1	4	489503 376740
46	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 162.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A15SE (NE)	1	4	489010 377598
47	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 516.7  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A15SE (NE)	1	4	489010 377598
48	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 470.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A10NW (W)	1	4	488140 377217



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
49	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 250.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A12NE (E)	2	4	489630 377106
50	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 244.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A12NW (E)	2	4	489496 377360
51	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: 58.2 Watercourse Level: Not Supplied True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A8NE (SE)	3	4	489830 376483
52	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 1.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A15SE (NE)	3	4	489171 377610
53	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 107.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A12NW (E)	4	4	489461 377060
54	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 8.9 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A11NE (SE)	4	4	488949 377066
55	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 21.3  Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A6NW (SW)	4	4	488161 376521
56	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 9.0  Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A11NE (SE)	5	4	488958 377068
57	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	A15SE (NE)	5	4	489171 377610



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
58	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	A15SE (NE)	5	4	489172 377613
59	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 54.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A12NE (E)	7	4	489568 377091
60	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 8.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A12NE (E)	7	4	489621 377104
61	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A12NE (E)	8	4	489564 377089
62	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 237.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A12SW (SE)	12	4	489487 376736
63	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 201.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A6NW (SW)	13	4	488152 376501
64	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 568.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A11NE (SE)	14	4	488961 377059
65	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 413.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A6SE (SW)	16	4	488239 376324
66	OS Water Network Lines  Watercourse Form: Lake Watercourse Length: 5.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A13NE (NW)	17	4	487569 378031



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
67	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 483.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A6NW (SW)	17	4	488152 376501
	OS Water Network Lines				
68	Watercourse Form: Inland river Watercourse Length: 6.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A6SE (SW)	19	4	488238 376330
69	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 319.4  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A13NE (NW)	21	4	487564 378034
70	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 403.8  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A12NW (E)	23	4	489184 377117
71	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 1.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A12NW (E)	23	4	489184 377119
72	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 229.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A8SE (SE)	60	4	489639 376355
73	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	A16NE (NE)	70	4	489575 377881
74	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 87.4  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A16NE (NE)	77	4	489581 377882
75	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 4.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A8NE (SE)	139	4	489548 376609



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
76	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 254.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A8NE (SE)	143	4	489549 376605
77	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 88.8  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A16NE (NE)	154	4	489666 377903
78	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 293.8  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A10NW (W)	167	4	487983 377088
79	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 56.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A8SE (SE)	188	4	489665 376358
80	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	A16NE (NE)	188	4	489743 377947
81	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	A16NE (NE)	189	4	489749 377947
82	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 262.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A16NE (NE)	194	4	489707 377987
83	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 238.5  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Not Supplied Primacy: 1	A8NW (SE)	236	4	489337 376446
84	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 172.0  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A8NE (SE)	236	4	489566 376514



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	OS Water Network Lines				
85	Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A8SE (SE)	241	4	489644 376343

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### **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	488661 377271
	Local Authority Landfill Coverage				
	Name: Lincolnshire County Council - Had landfill data but passed it to the relevant environment agency		0	6	488661 377271

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Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid	d Geology Lias Group	A11NW	0	1	488661
	'	·	(NE)			377271
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium	Chemistry  British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg  <1.8 mg/kg	A15NW (N)	0	1	488661 378000
	Concentration: 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: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel	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	A11NE (E)	0	1	489000 377271
	Concentration:					
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration:	Chemistry  British Geological Survey, National Geoscience Information Service Rural Soil <15 mg/kg	A16NW (NE)	0	1	489312 377765
	Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	<1.8 mg/kg 40 - 60 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	A10SE (SW)	0	1	488280 376744
	Cadmium Concentration:	<1.8 mg/kg				
	Chromium Concentration: Lead Concentration:					
	Nickel Concentration:	<15 mg/kg				
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil <15 mg/kg	A11NW (NE)	0	1	488661 377271
	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 mg/kg	A6NW (SW)	15	1	488155 376476
	Cadmium Concentration:	<1.8 mg/kg				
	Chromium Concentration: Lead Concentration: Nickel	90 - 120 mg/kg <100 mg/kg 15 - 30 mg/kg				
	Concentration:					





Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil	Chemistry				
	Source: Soil Sample Type: Arsenic Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil <15 mg/kg	A6NW (SW)	163	1	488000 376592
	Cadmium Concentration:	<1.8 mg/kg				
	Chromium Concentration:	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	A6NW (SW)	163	1	488000 376513
	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				
	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 No Hazard	eas of Great Britain				
	Potential for Collaps	sible Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	A11NW (NE)	0	1	488661 377271
	-	essible Ground Stability Hazards		_		
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	A11NW (NE)	0	1	488661 377271
		d Dissolution Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	A11NW (NE)	0	1	488661 377271
	Potential for Landsl	ide Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	A11NW (NE)	0	1	488661 377271
		ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	A10SE (SW)	0	1	488280 376744
		ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	A11NW (NE)	0	1	488661 377271
	Hazard Potential:	ng Sand Ground Stability Hazards Very Low	A16NW	0	1	489312
	Source:	British Geological Survey, National Geoscience Information Service	(NE)			377765
	Potential for Runnir Hazard Potential: Source:	ng Sand Ground Stability Hazards  No Hazard  British Geological Survey, National Geoscience Information Service	A6NW (SW)	15	1	488155 376476
		ing or Swelling Clay Ground Stability Hazards	, ,			
	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	A11NW (NE)	0	1	488661 377271
		adon Affected Areas	A44884			400001
	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	A11NW (NE)	0	1	488661 377271
		adon Protection Measures				
	Protection Measure:	No radon protective measures are necessary in the construction of new dwellings or extensions	A11NW (NE)	0	1	488661 377271
	Source:	British Geological Survey, National Geoscience Information Service				

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## **Industrial Land Use**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Contemporary Trad	e Directory Entries				
86	Name: Location: Classification: <b>Status:</b> Positional Accuracy:	J T L Engineering Services Ltd Ingleby Grange Farm, Ingleby, Lincoln, Lincolnshire, LN1 2PQ Mechanical Engineers Active Automatically positioned to the address	A12NW (E)	77	-	489466 377128
	Points of Interest - I	Manufacturing and Production				
87	Name: Location: Category: Class Code: Positional Accuracy:	Tanks LN1 Industrial Features Tanks (Generic) Positioned to an adjacent address or location	A12NW (E)	70	7	489460 377111

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## **Sensitive Land Use**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Nitrate Vulnerabl	le Zones				
88	Name: Description: Source:	Fossdyke Canal Nvz Surface Water Environment Agency, Head Office	A11NW (NE)	0	3	488661 377271
	Nitrate Vulnerable	le Zones				
89	Name: Description: Source:	Lower Witham Nvz Surface Water Environment Agency, Head Office	A11NW (N)	0	3	488654 377326
	Nitrate Vulnerabl	le Zones				
90	Name: Description: Source:	R Trent From Carlton-On-Trent To Laughton Drain Nvz Surface Water Environment Agency, Head Office	(NW)	206	3	487394 378195

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Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Environment Agency - Head Office	June 2020	Annually
Newark And Sherwood District Council - Environmental Services	September 2017	Annual Rolling Update
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	
Environment Agency - Midlands Region	March 2013	
Integrated Pollution Controls		
Environment Agency - Anglian Region	January 2009	
Environment Agency - Midlands Region	January 2009	
Integrated Pollution Prevention And Control		
Environment Agency - Anglian Region	July 2021	Quarterly
Environment Agency - Midlands Region	July 2021	Quarterly
Local Authority Integrated Pollution Prevention And Control		
West Lindsey District Council - Environmental Health Department	November 2014	Variable
Newark And Sherwood District Council - Environmental Services	October 2014	Variable
Local Authority Pollution Prevention and Controls		
West Lindsey District Council - Environmental Health Department	November 2014	Annual Rolling Update
Newark And Sherwood District Council - Environmental Services	October 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		3 - 1 - 3 - 1 - 1
West Lindsey District Council - Environmental Health Department	November 2014	Variable
Newark And Sherwood District Council - Environmental Services	October 2014	Variable
Nearest Surface Water Feature	00.00012011	Variable
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	
Environment Agency - Midlands Region	July 2015	
Prosecutions Relating to Controlled Waters		
Environment Agency - Anglian Region	March 2013	
Environment Agency - Midlands Region	March 2013	
Registered Radioactive Substances		
Environment Agency - Anglian Region	June 2016	Annually
Environment Agency - Midlands Region	June 2016	Annually
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points	2 3	
Environment Agency - Head Office	April 2012	Annually
River Quality Chemistry Sampling Points	r -	,
Environment Agency - Head Office	April 2012	Annually
• •	/ (piii 2012	, amainy
Substantiated Pollution Incident Register	lulu 0004	O
	July 2021	Quarterly Quarterly
Environment Agency - Anglian Region - Northern Area		LIHAMANV
Environment Agency - Anglian Region - Northern Area Environment Agency - Midlands Region - East Area	July 2021	
Environment Agency - Anglian Region - Northern Area Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area	July 2021 July 2021	Quarterly
Environment Agency - Anglian Region - Northern Area Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area  Water Abstractions Environment Agency - Anglian Region	-	

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Agency & Hydrological	Version	Update Cycle	
Water Industry Act Referrals			
Environment Agency - Anglian Region	October 2017	Quarterly	
Environment Agency - Midlands 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	
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	

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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
Environment Agency - Midlands Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)	,	
Environment Agency - Anglian Region - Northern Area	July 2021	Quarterly
Environment Agency - Midlands Region - East Area	July 2021	Quarterly
Environment Agency - Midlands Region - Lower Trent Area	July 2021	Quarterly
Licensed Waste Management Facilities (Locations)	,	
Environment Agency - Anglian Region - Northern Area	July 2021	Quarterly
Environment Agency - Midlands Region - East Area	July 2021	Quarterly
Environment Agency - Midlands Region - Lower Trent Area	July 2021	Quarterly
	33, 232	
Lincolnshire County Council	February 2003	Not Applicable
Newark And Sherwood District Council - Environmental Services	February 2003	Not Applicable
Nottinghamshire County Council - Environment Department	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	
Newark And Sherwood District Council - Environmental Services	October 2018	
Nottinghamshire County Council - Environment Department	October 2018	
West Lindsey District Council - Environmental Health Department	October 2018	
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	Not Applicable
·	December 1999	Not Applicable
Potentially Infilled Land (Water)	Danarahan 1000	
Landmark Information Group Limited	December 1999	
Registered Landfill Sites		
Environment Agency - Anglian Region - Northern Area	March 2006	Not Applicable
Environment Agency - Midlands Region - East Area	March 2006	Not Applicable
Environment Agency - Midlands Region - Lower Trent Area	March 2006	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - Anglian Region - Northern Area	April 2018	
Environment Agency - Midlands Region - East Area	April 2018	
Environment Agency - Midlands Region - Lower Trent Area	April 2018	
Registered Waste Treatment or Disposal Sites		
Environment Agency - Anglian Region - Northern Area	June 2015	
Environment Agency - Midlands Region - East Area	June 2015	
Environment Agency - Midlands Region - Lower Trent Area	June 2015	

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Health and Safety Executive  Explosive Sites  March 2017  Annually  Notification of Installations Handling Hazardous Substances (NIHHS)  Health and Safety Executive  Notification of Installations Handling Hazardous Substances (NIHHS)  Health and Safety Executive  August 2001  Planning Hazardous Substance Enforcements  Notitinghamshire County Council I Highways and Planning Department  Newark And Sherwood District Council - Planning Department  Newark And Sherwood District Council - Planning Department  Newark And Sherwood District Council - Planning Department  Newark And Sherwood District Council - Planning Department  August 2007  Variable  Planning Hazardous Substance Consents  Lincoinshine County Council - Highways and Planning Department  August 2007  Variable  Planning Hazardous Substance Consents  August 2007  Variable  Newark And Sherwood District Council - Planning Department  Pebruary 2016  Resological  Version  Update Cycle  Geological  Survey - National Geoscience Information Service  January 2009  Not Applicable  BGS Estimated Survey - National Geoscience Information Service  May 2021  Bi-Annually  Cas Mining Affected Areas  The Coal Authority - Property Searches  March 2014  Annual Rolling Updat  Mining Instabliny  Ove Arup & Partners  Non Coal Mining Areas of Great Britain  Biritish Geological Survey - National Geoscience Information Service  April 2020  Annually  Poential for Compressible Ground Stability Hazards  Biritish Geological Survey - National Geoscience Information Service  January 2019  Annually  Poential for Compressible Ground Stability Hazards  Biritish Geological Survey - National Geoscience Information Service  January 2019  Annually  Poential for Compressible	Hazardous Substances	Version	Update Cycle	
Explosive Sites Health and Safety Executive Health and Safety Executive August 2001 Health and Safety Executive August 2001 Health and Safety Executive August 2007 Planning Hazardous Substance Enforcements Notinghamshire County Council - Highways and Planning Department August 2010 August 2010 Avariable Newark And Sherwood District Council - Planning Department August 2010 Avariable Newark Lincolnshire County Council - Highways and Planning Department August 2010 February 2016 February 2016 February 2016 February 2016 February 2016 February 2016 February 2016 August 2007 Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable February 2016 February 2016 February 2016 February 2016 Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable Variable	Control of Major Accident Hazards Sites (COMAH)			
Health and Safety Executive  Notification of Installations Handling Hazardous Substances (NIHHS)  Health and Safety Executive  August 2001  Planning Hazardous Substance Enforcements  Notitinghamshire County Council - Highways and Planning Department  Lincolnshire Council Council - Planning Department  August 2010  Newark And Sherwood District Council - Planning Department  Planning Hazardous Substance Consents  Lincolnshire County Council - Highways and Planning Department  Planning Hazardous Substance Consents  Lincolnshire County Council - Highways and Planning Department  Nottinghamshire County Council - Planning Department  August 2007  Variable  Planning Hazardous Substance Consents  Lincolnshire County Council - Highways and Planning Department  Nottinghamshire County Council - Planning Department  Personal Council - Planning Department  Personal Council - Planning Department  Personal Council - Planning Department  Personal Council - Planning Department  Personal Council - Planning Department  Personal Council - Planning Department  Personal Council - Planning Department  Personal Council - Planning Department  Personal Council - Planning Department  Personal Council - Planning Department  Personal Council - Planning Department  Personal Council - Planning Department  Personal Council - Planning Department  Personal Council - Planning Department  Personal Council - Planning Department  Personal Council - Planning Department  Personal Council - Planning Department  Personal Council - Planning Department  Personal Council - Planning Department  Personal Council - Planning Department  Personal Council - Planning Department  Personal Council - Planning Department  Personal Council - Planning Department  Personal Council - Planning Department  Personal Council - Planning Department  Personal Council - Planning Department  Personal Council - Planning Department  Personal Council - Planning Department  Personal Council - Planning Department  Personal Council - Planning Department  Personal Council - Planning De	Health and Safety Executive	April 2018	Bi-Annually	
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Salety Executive Health and Salety Executive Heaning Hazardous Substance Enforcements Notificing amshire County Council - Highways and Planning Department - August 2007 - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Variable - Var	Explosive Sites			
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West Lindsey District Council Planning Hazardous Substance Consents Inconshire County Council - Highways and Planning Department Nottinghamshire County Council - Highways and Planning Department Newark And Sherwood District Council - Planning Department Newark And Sherwood District Council - Planning Department Newark And Sherwood District Council - Planning Department West Lindsey District Council - Planning Department West Lindsey District Council - Planning Department West Lindsey District Council - Planning Department  Geological  Wersion  Update Cycle BGS 1-625,000 Solid Geology British Geological Survey - National Geoscience Information Service BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service BGS 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 Updat Mining Instability Ove Arup & Partners June 1998 Not Applicable  Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service Potential for Landslide Ground 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 Landslide Ground 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 L	Lincolnshire County Council - Highways and Planning Department	August 2010	Variable	
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	British Geological Survey - National Geoscience Information Service	July 2011	Annually	

Order Number: 287331844\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 28 of 32



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

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Sensitive Land Use	Version	Update Cycle
Ancient Woodland		
Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt		
Newark And Sherwood District Council	October 2020	Quarterly
West Lindsey District Council	October 2020	Quarterly
Areas of Unadopted Green Belt		
Newark And Sherwood District Council	October 2020	Quarterly
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: 287331844\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 30 of 32



## **Data Suppliers**

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	Map data
Environment Agency	Environment
Scottish Environment Protection Agency	SEPA
The Coal Authority	The Coal Authority
British Geological Survey	British Geological Survey MATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	Cyfoeth Naturiol Cymru Matural Resources Walkes
Scottish Natural Heritage	SCOTTISH NATURAL HERITAGE 迎念別
Natural England	NATURAL ENGLAND
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.

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### **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
	HPSG	Holme Pierrepont Sand and Gravel Member	Sand and Gravel	Not Supplied - Pleistocene
	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

Market Rasen 1999

Not Available

Map ID: Map Sheet No:

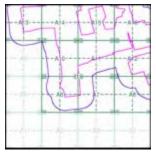
Map Name: Map Date:

Superficial Geology:

Available Not Available Not Supplied

Artificial Geology: Landslip:

### Geology 1:50,000 Maps - Slice A





### **Order Details:**

Order Number: Customer Reference: National Grid Reference:

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

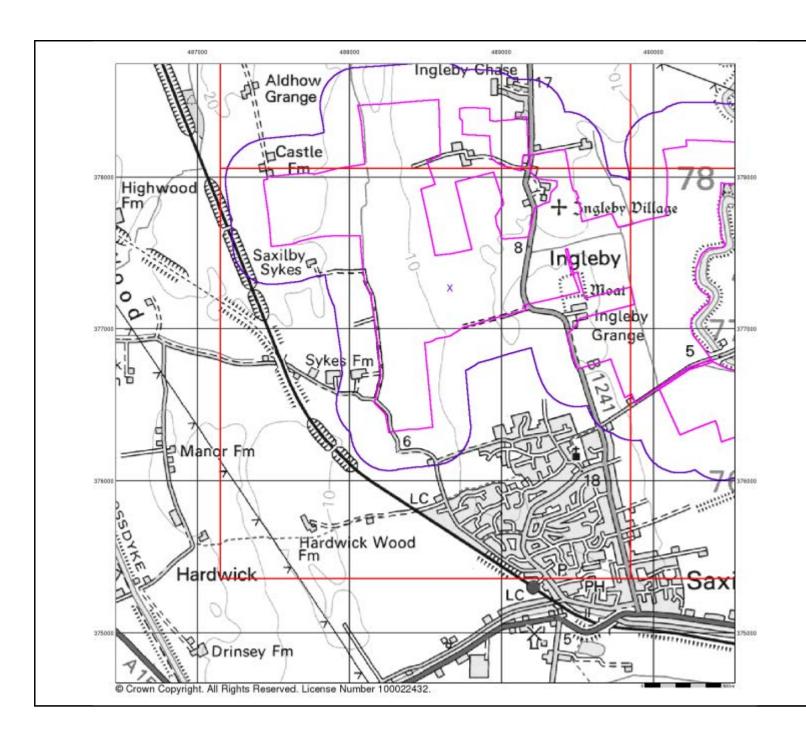
Site Details: West Burton 2

Landmark v15.0 04-Nov-2021

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287331844\_1\_1 21-1098.02 488660, 377270

A 331.04





### **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.

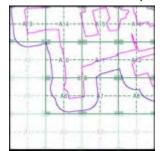
Artificial ground includes:

- 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:

287331844\_1\_1 21-1098.02 488660, 377270 A 331.04 Site Area (Ha): Search Buffer (m):

Site Details:

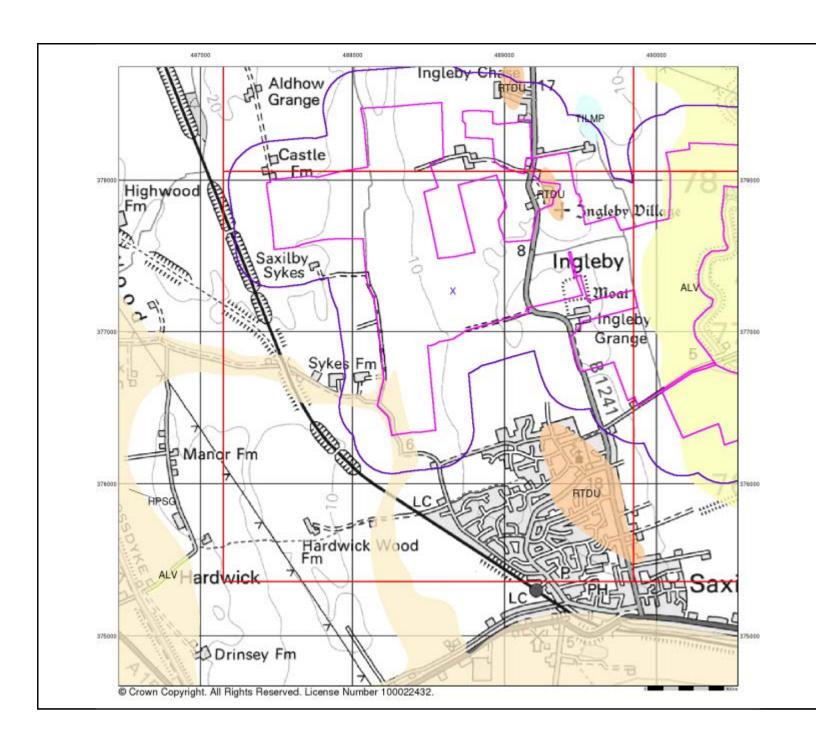
West Burton 2



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v15.0 04-Nov-2021

Page 2 of 5





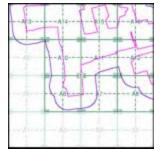
### **Superficial Geology**

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: National Grid Reference: Slice: Site Area (Ha): Search Buffer (m): 287331844\_1\_1 21-1098.02 488660, 377270 A 331.04

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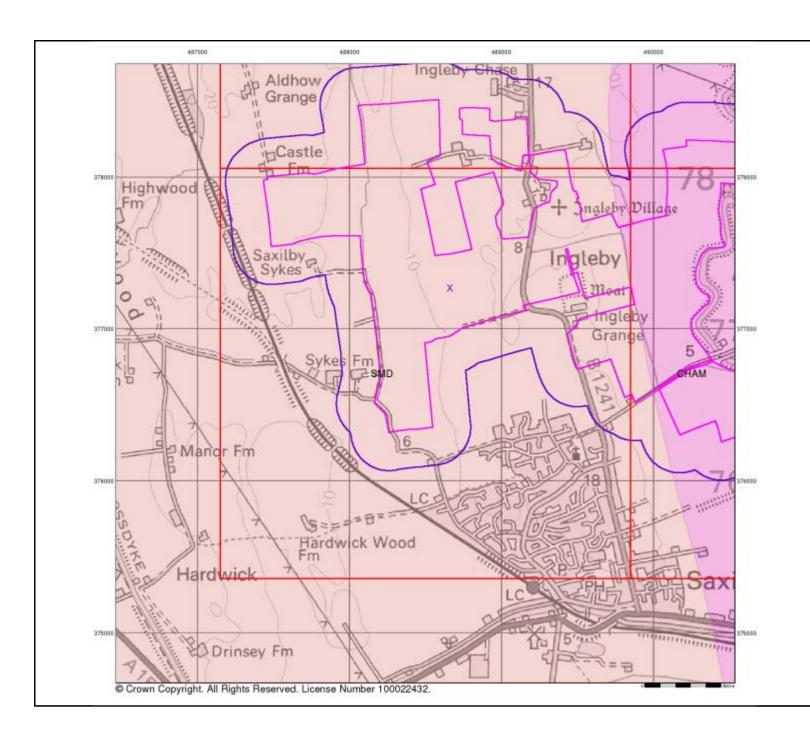
West Burton 2



Fel: 0844 844 9952 Fax: 0844 844 9951 Veb: www.envirocheck.c

v15.0 04-Nov-2021

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### **Bedrock and Faults**

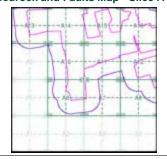
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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





### **Order Details:**

Order Number: Customer Reference: National Grid Reference: Slice: Site Area (Ha): Search Buffer (m): 287331844\_1\_1 21-1098.02 488660, 377270 A 331.04 250

### Site Details:

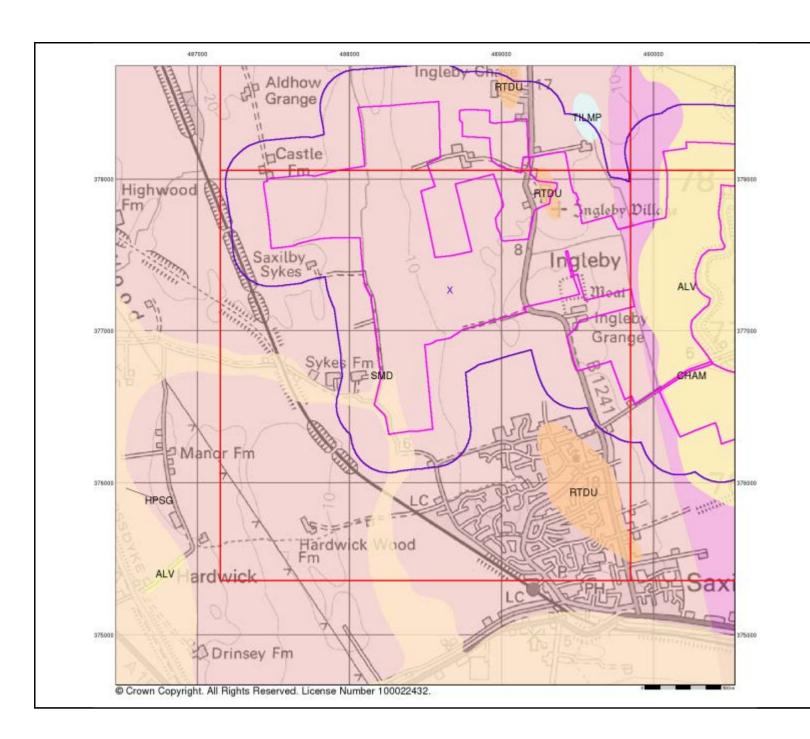
West Burton 2



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### **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.

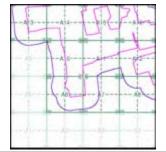
#### **Additional Information**

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 A



287331844\_1\_1 21-1098.02 488660, 377270

A 331.04

### **Order Details:**

Order Number: Customer Reference: National Grid Reference:

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

### Site Details:

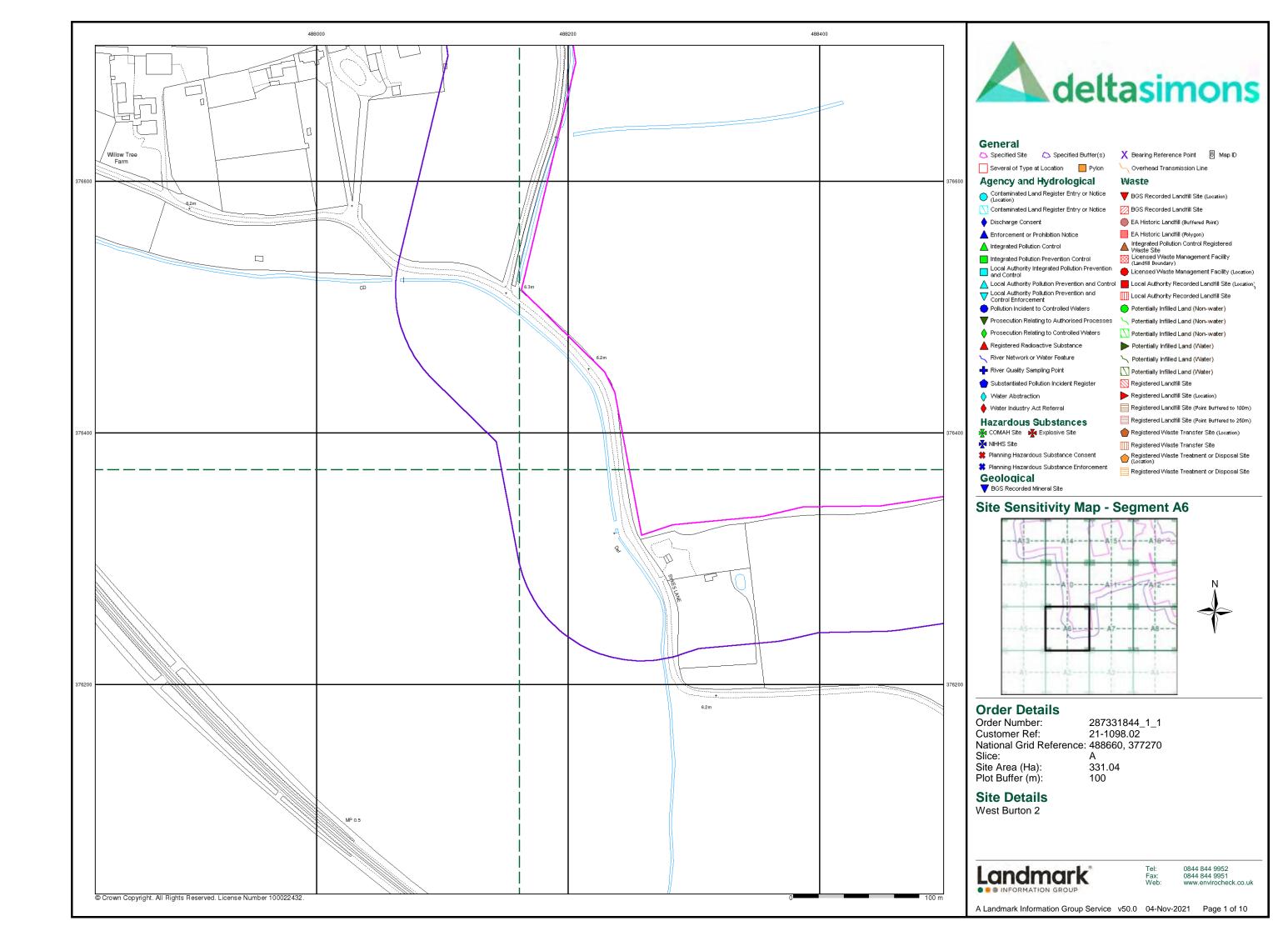
West Burton 2

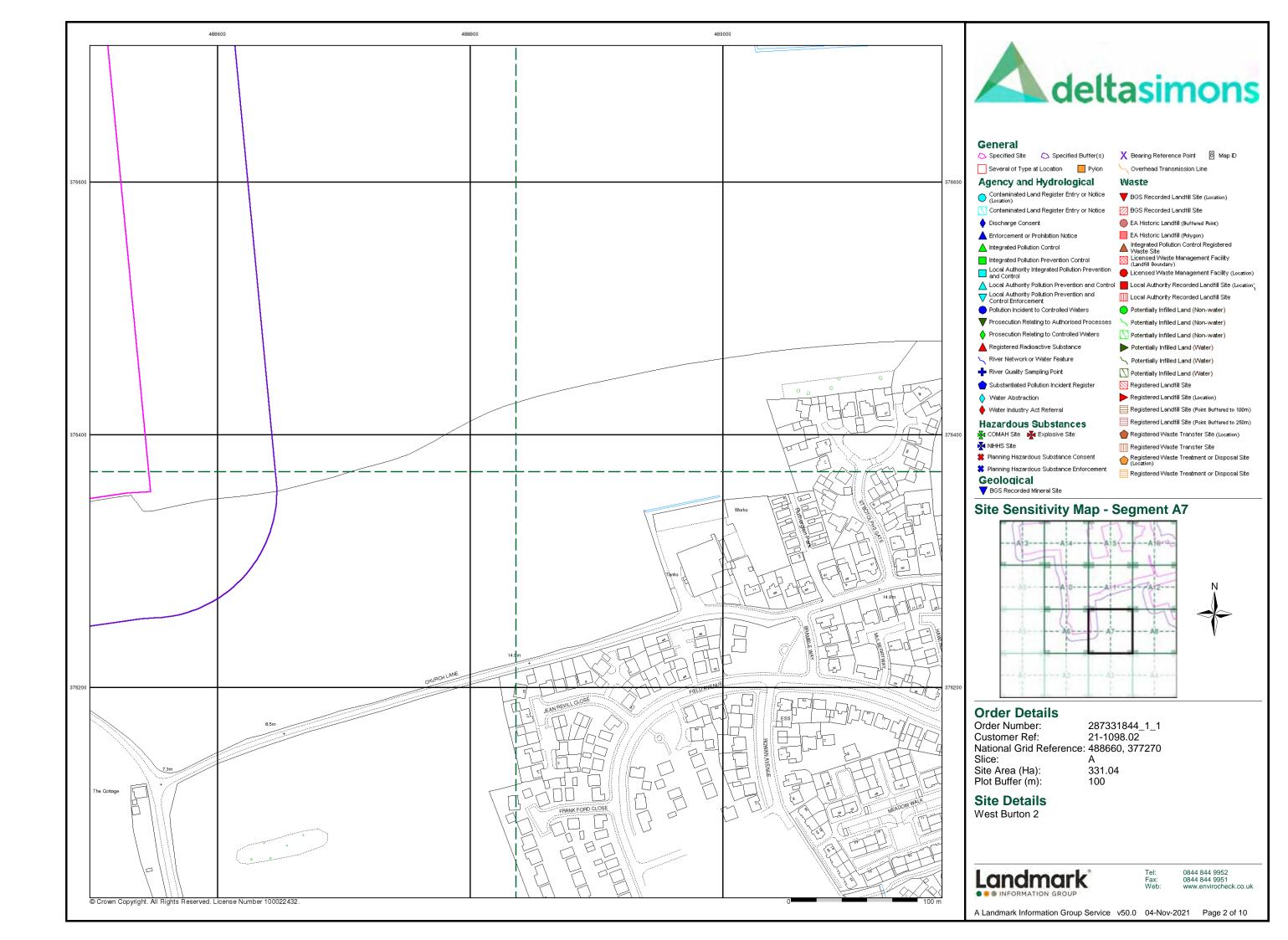


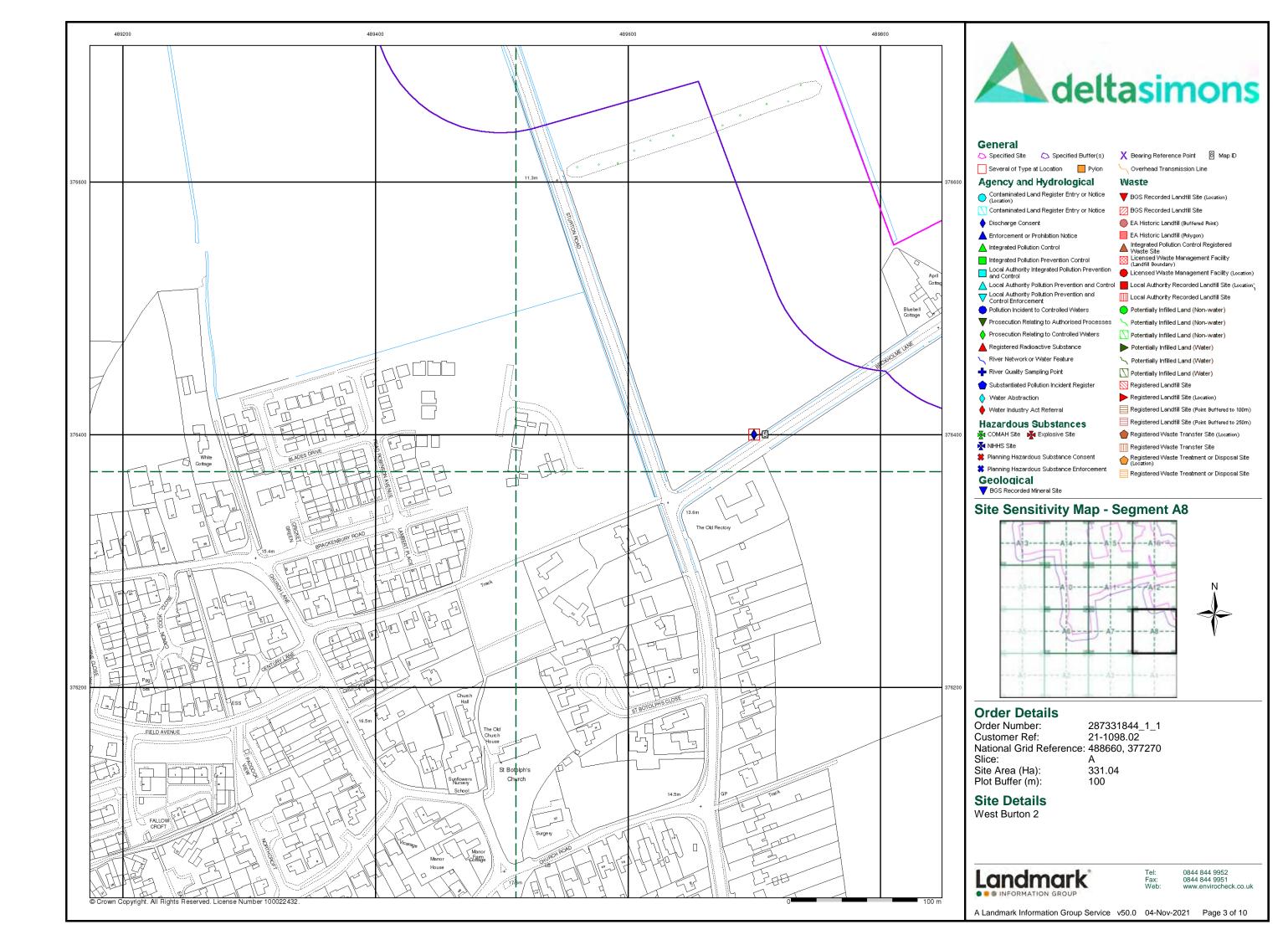
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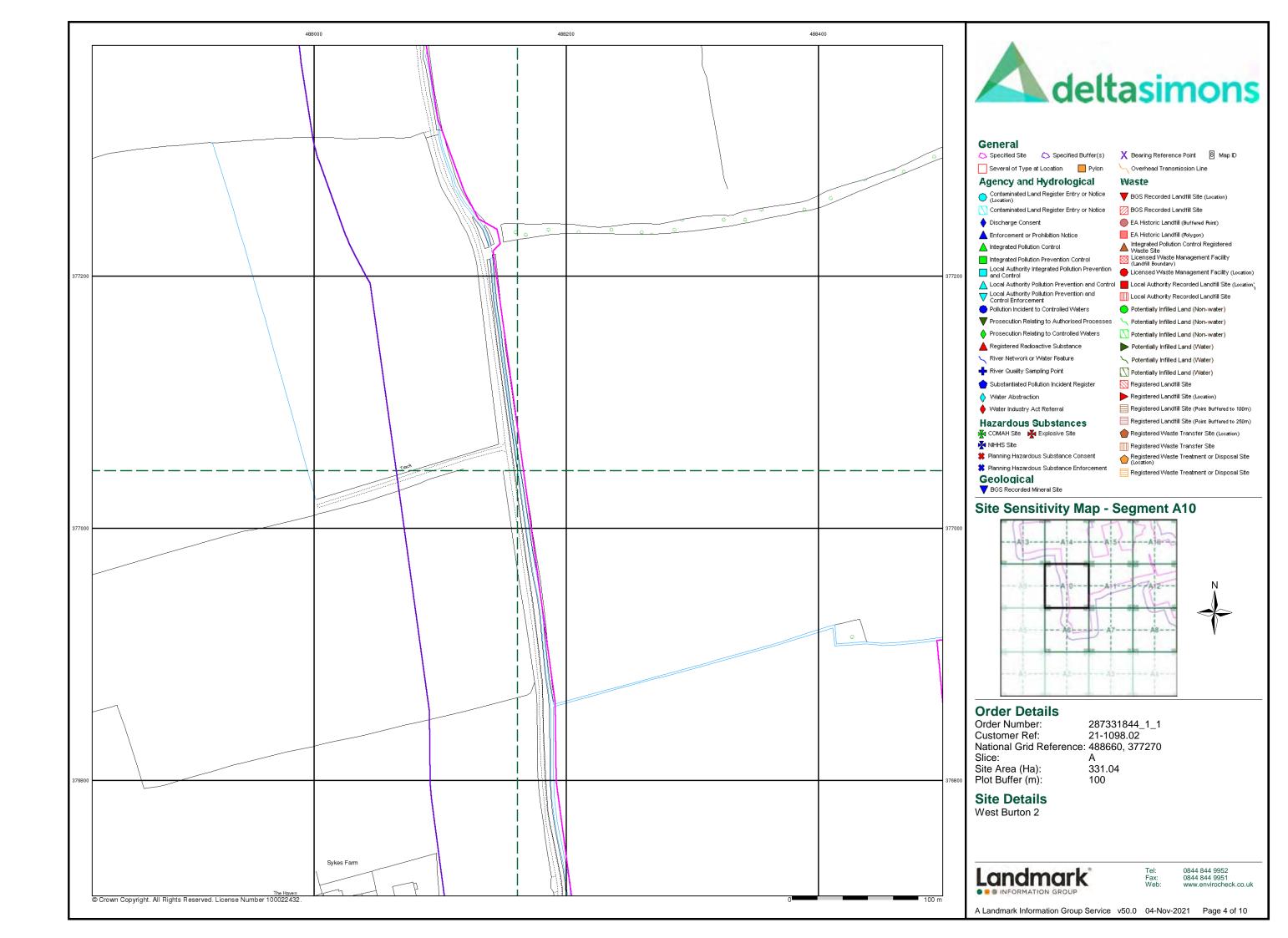
v15.0 04-Nov-2021

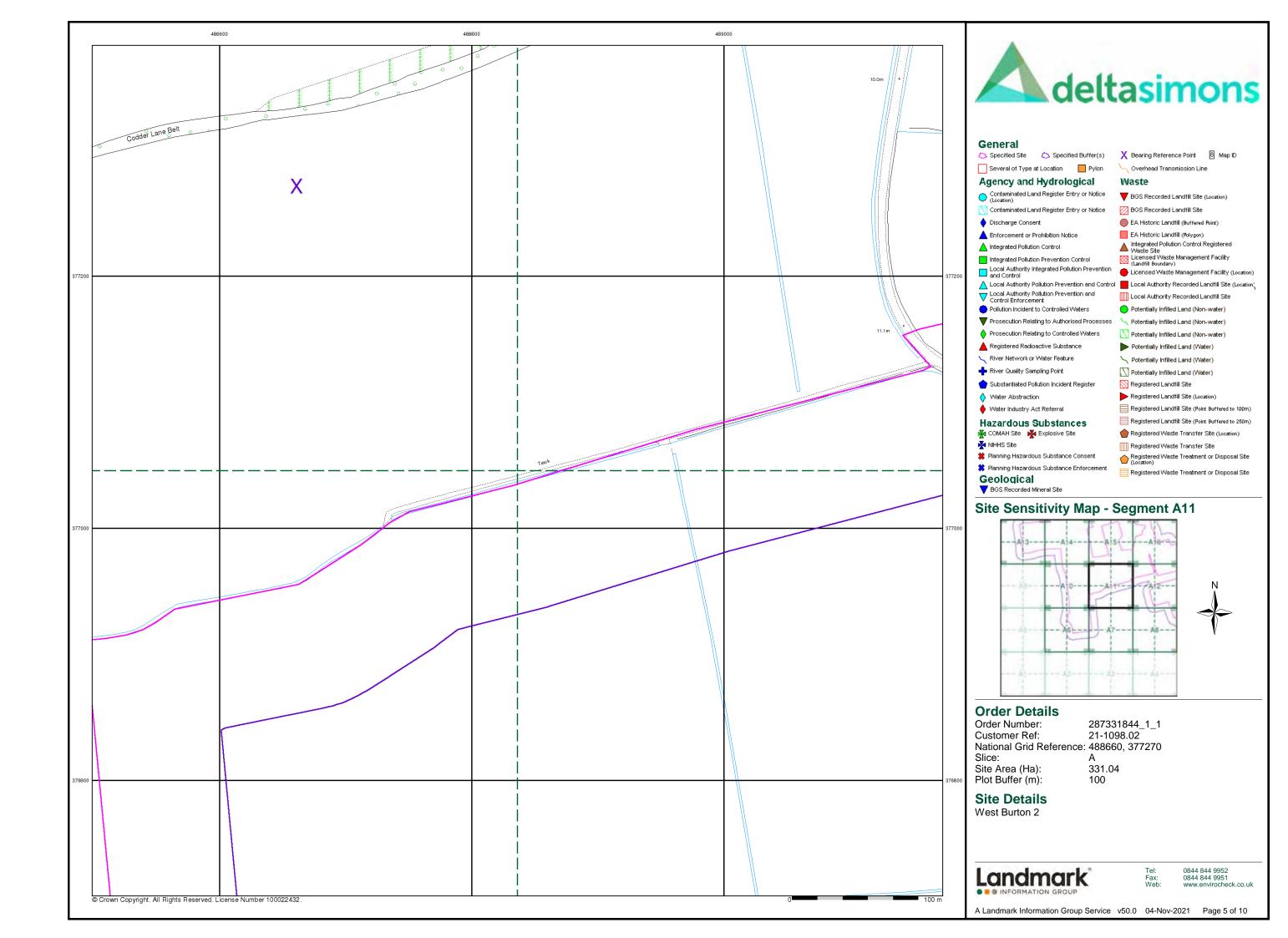
Page 5 of 5

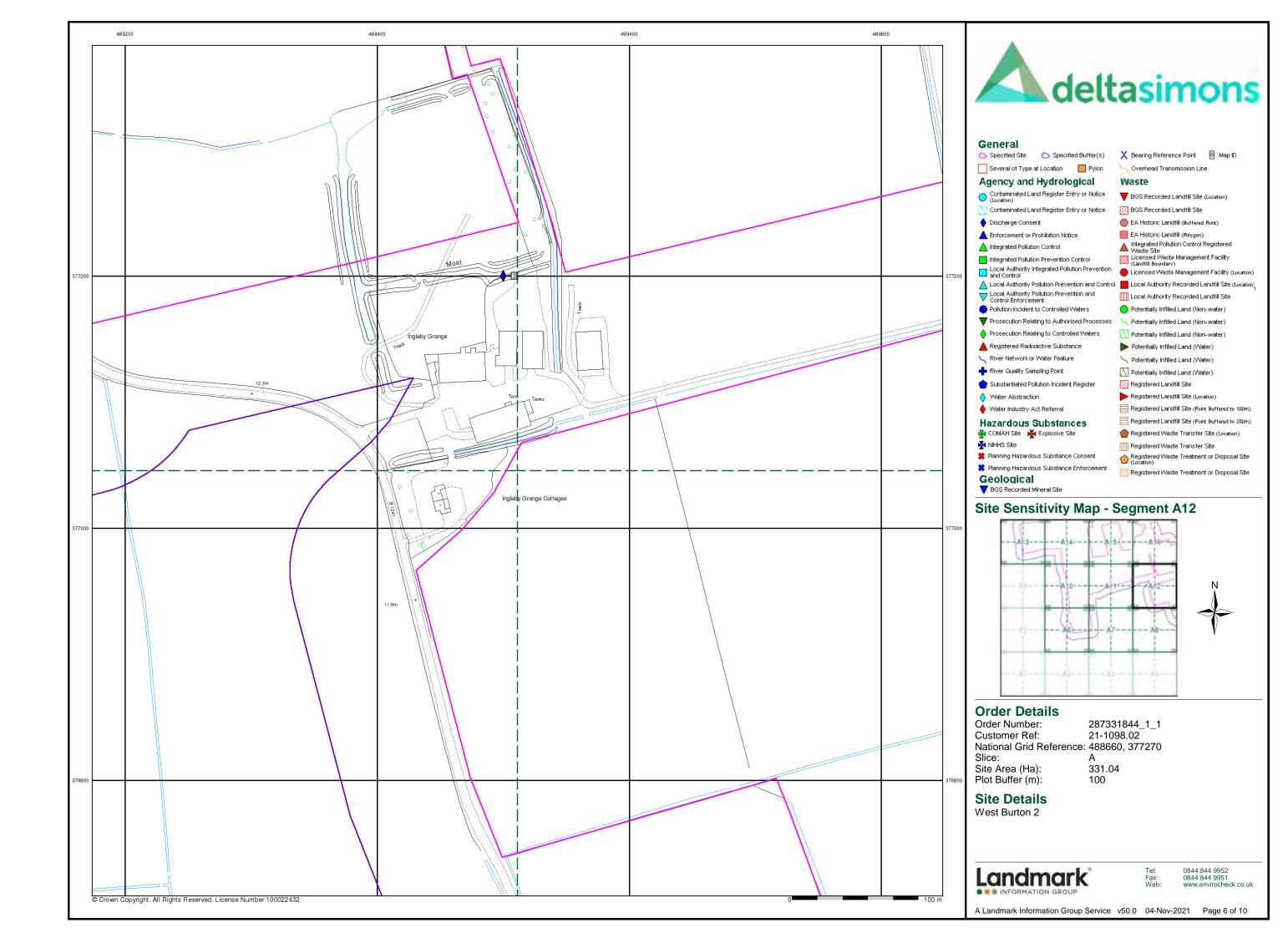


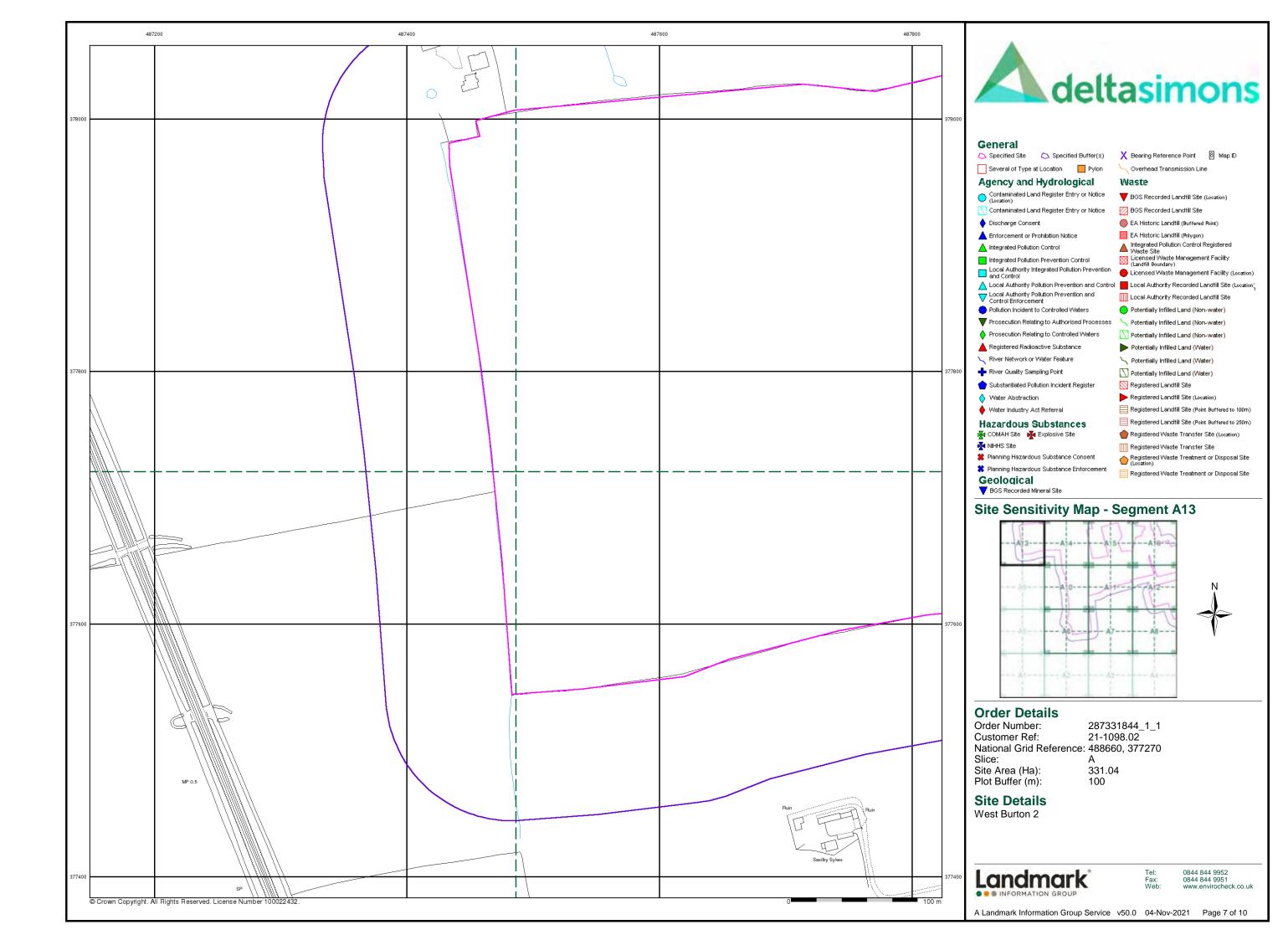


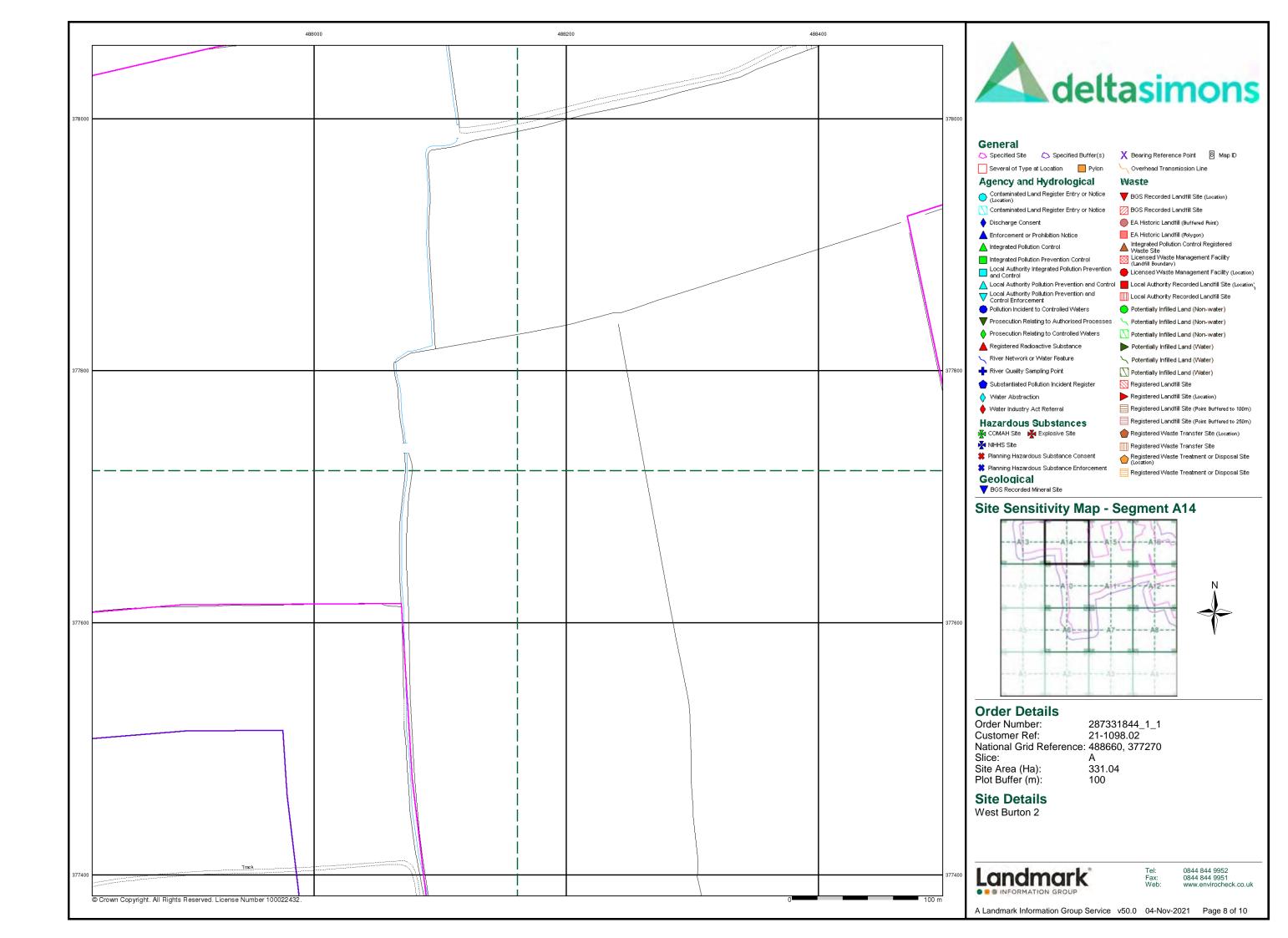


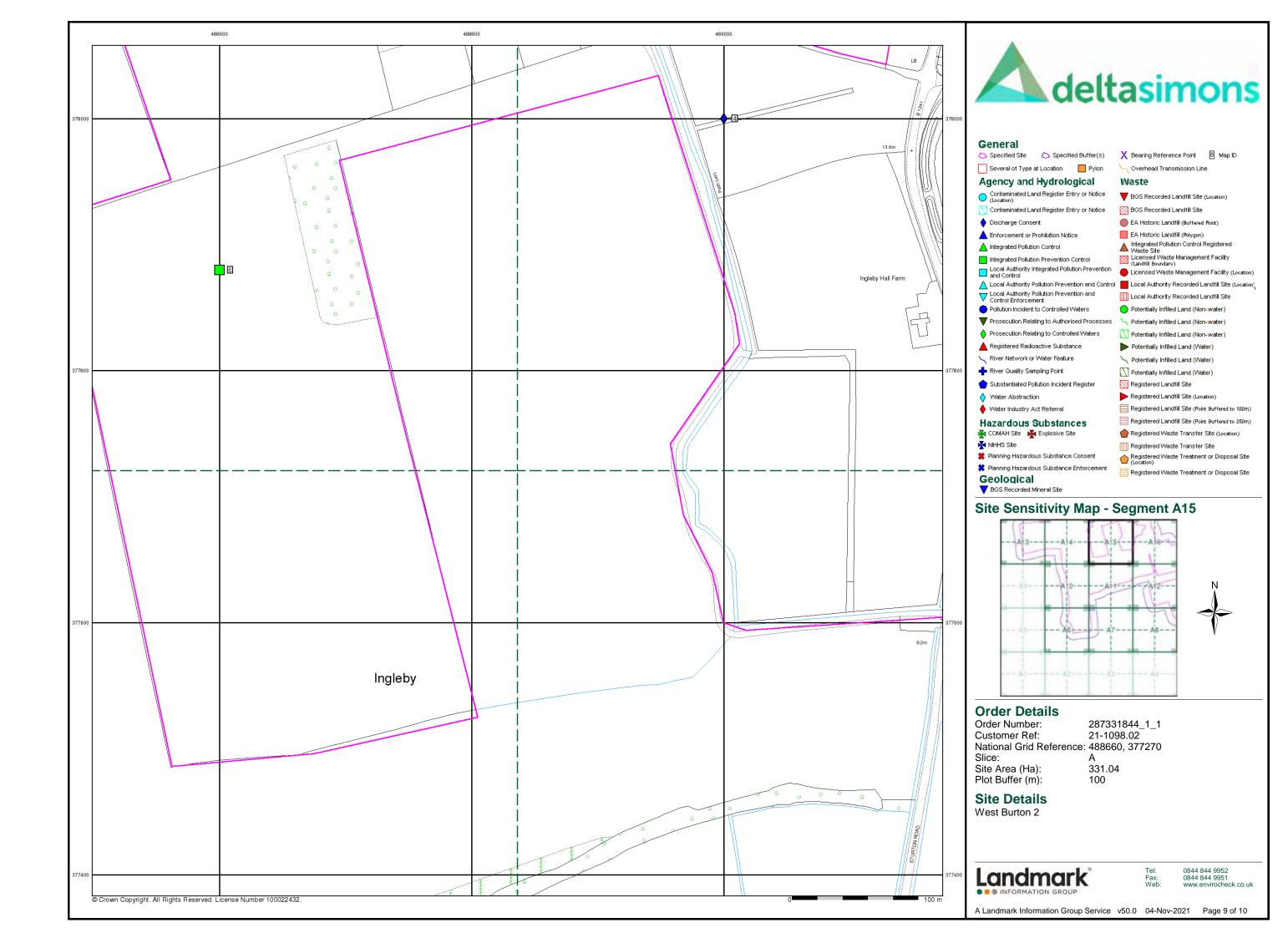


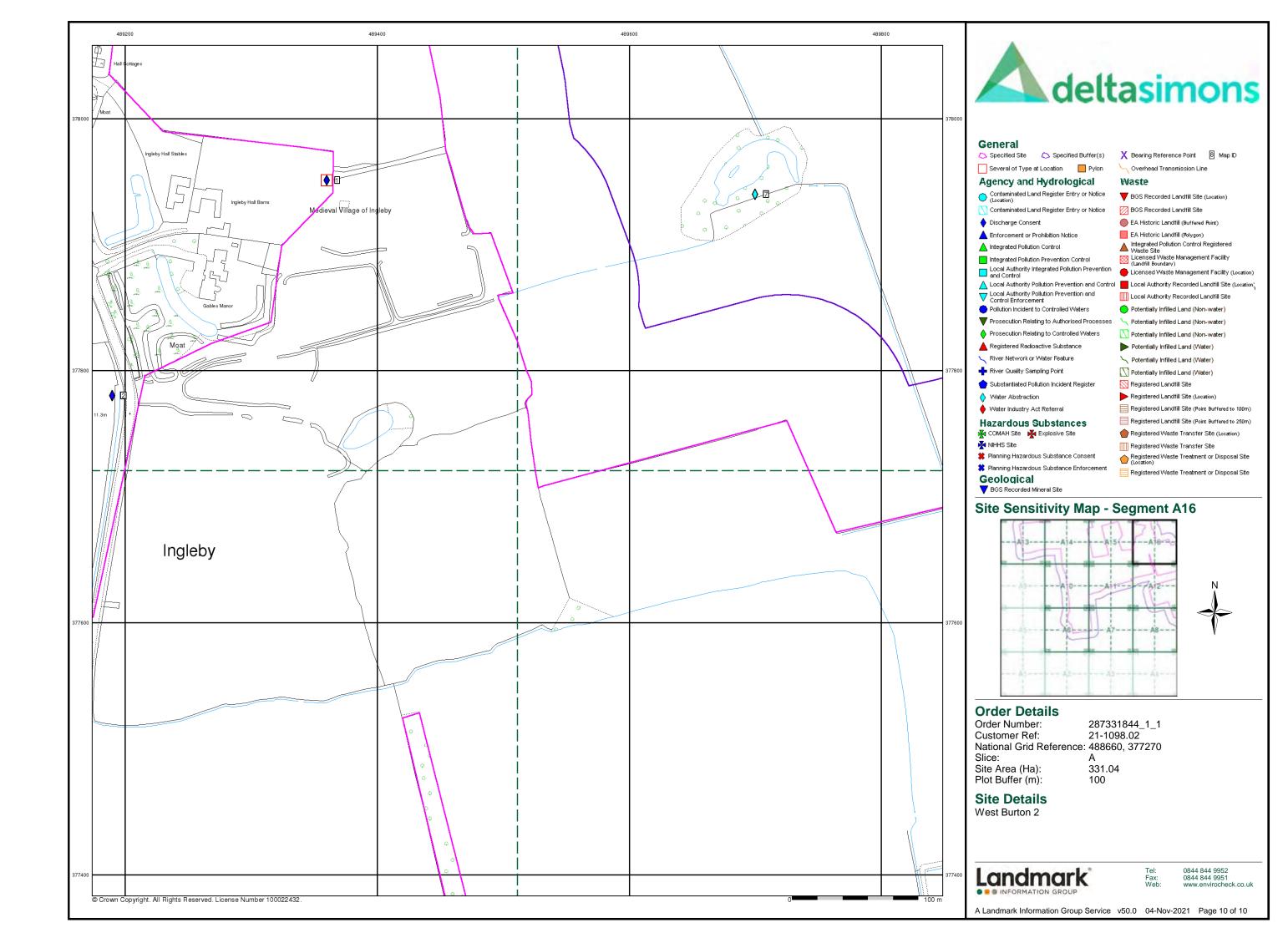


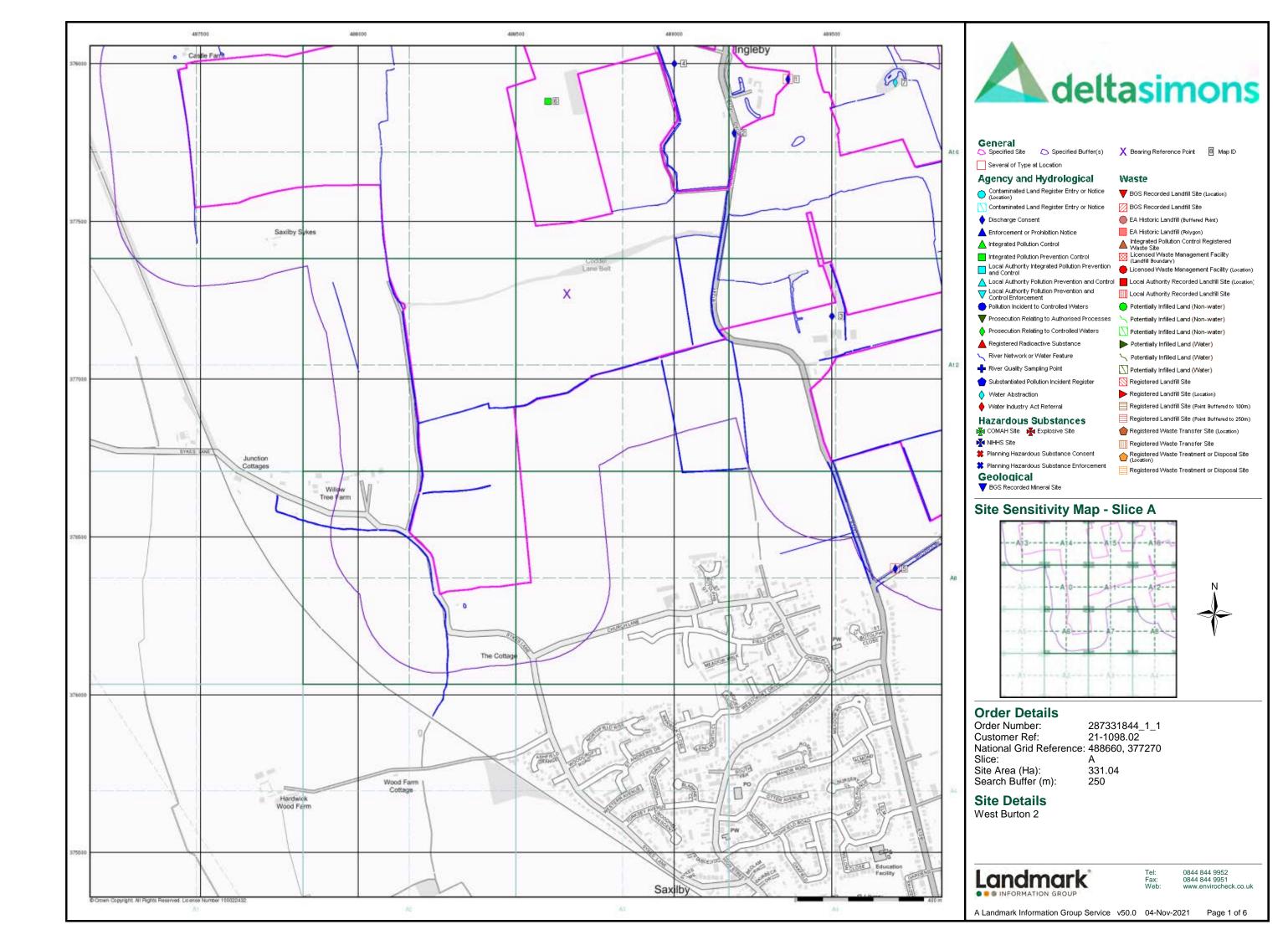


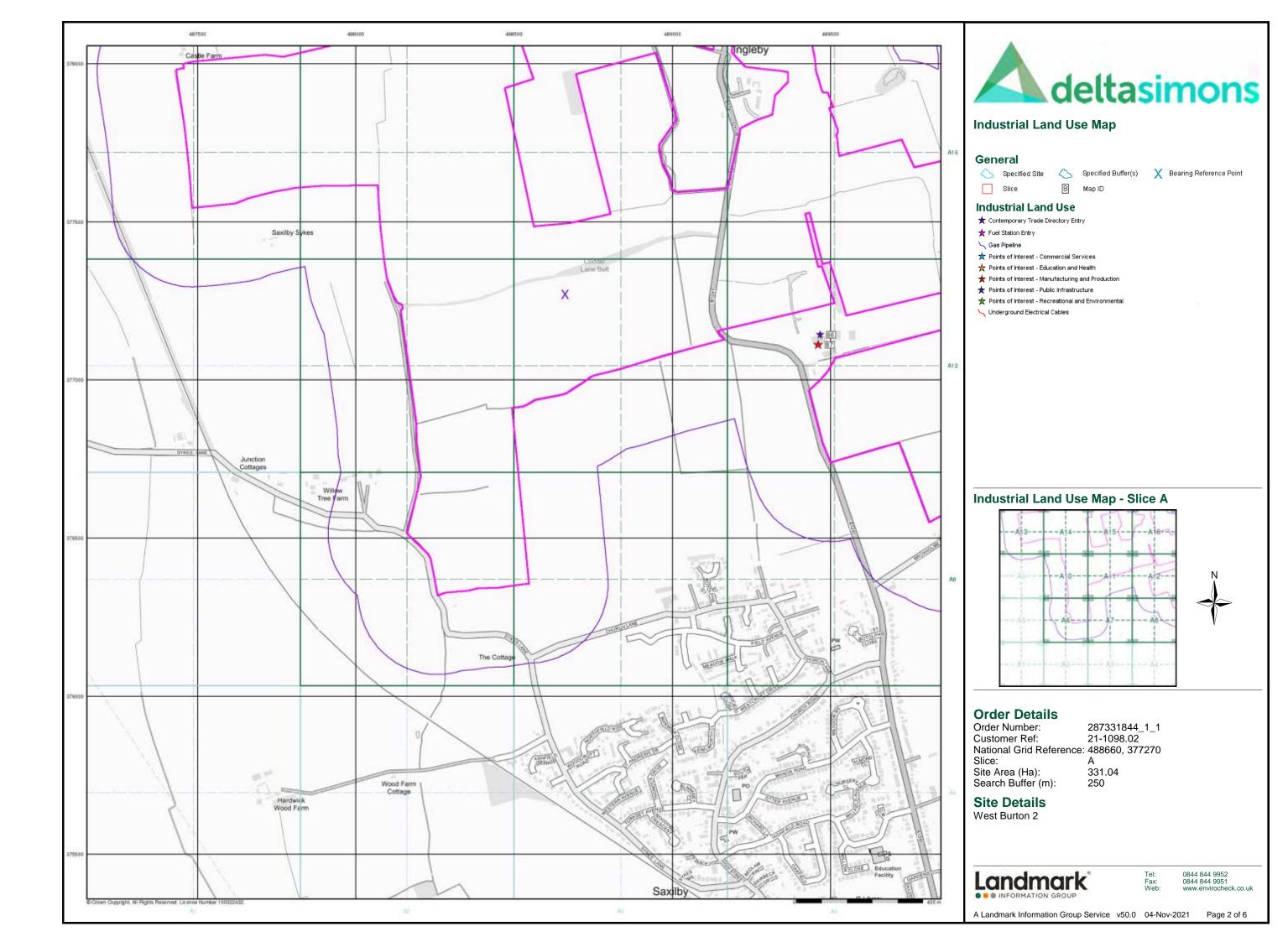


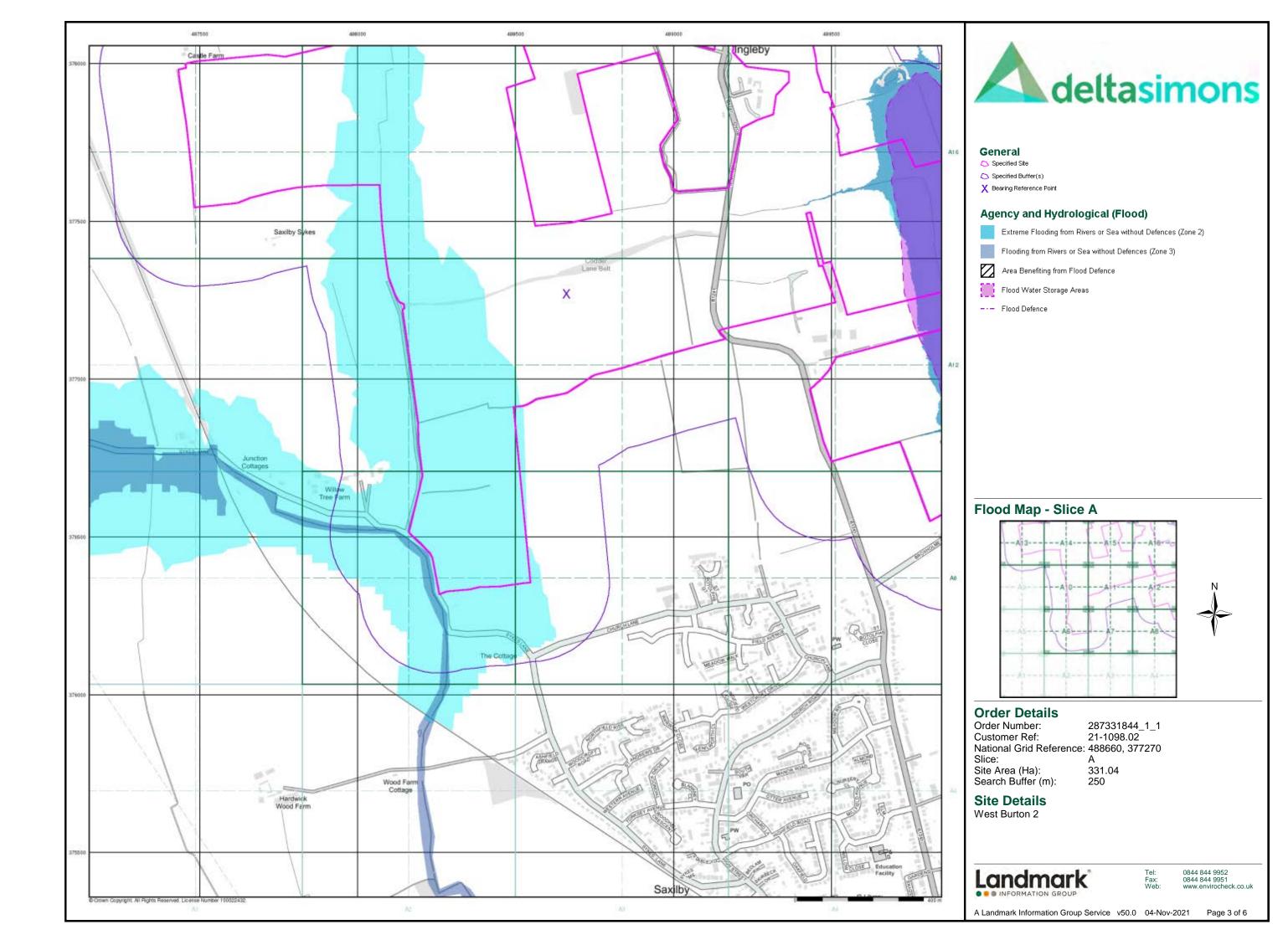
















#### General

Specified Buffer(s)

X Bearing Reference Point

8 Map ID

Several of Type at Location

#### Agency and Hydrological (Boreholes)

BGS Borehole Depth 0 - 10m

BGS Borehole Depth 10 - 30m

BGS Borehole Depth 30m +

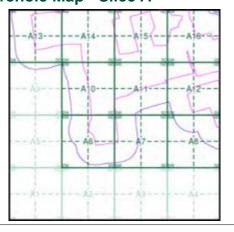
Confidential

Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

### **Borehole Map - Slice A**





Order Number: 287331844\_1\_1
Customer Ref: 21-1098.02
National Grid Reference: 488660, 377270

Site Area (Ha): Search Buffer (m): 331.04

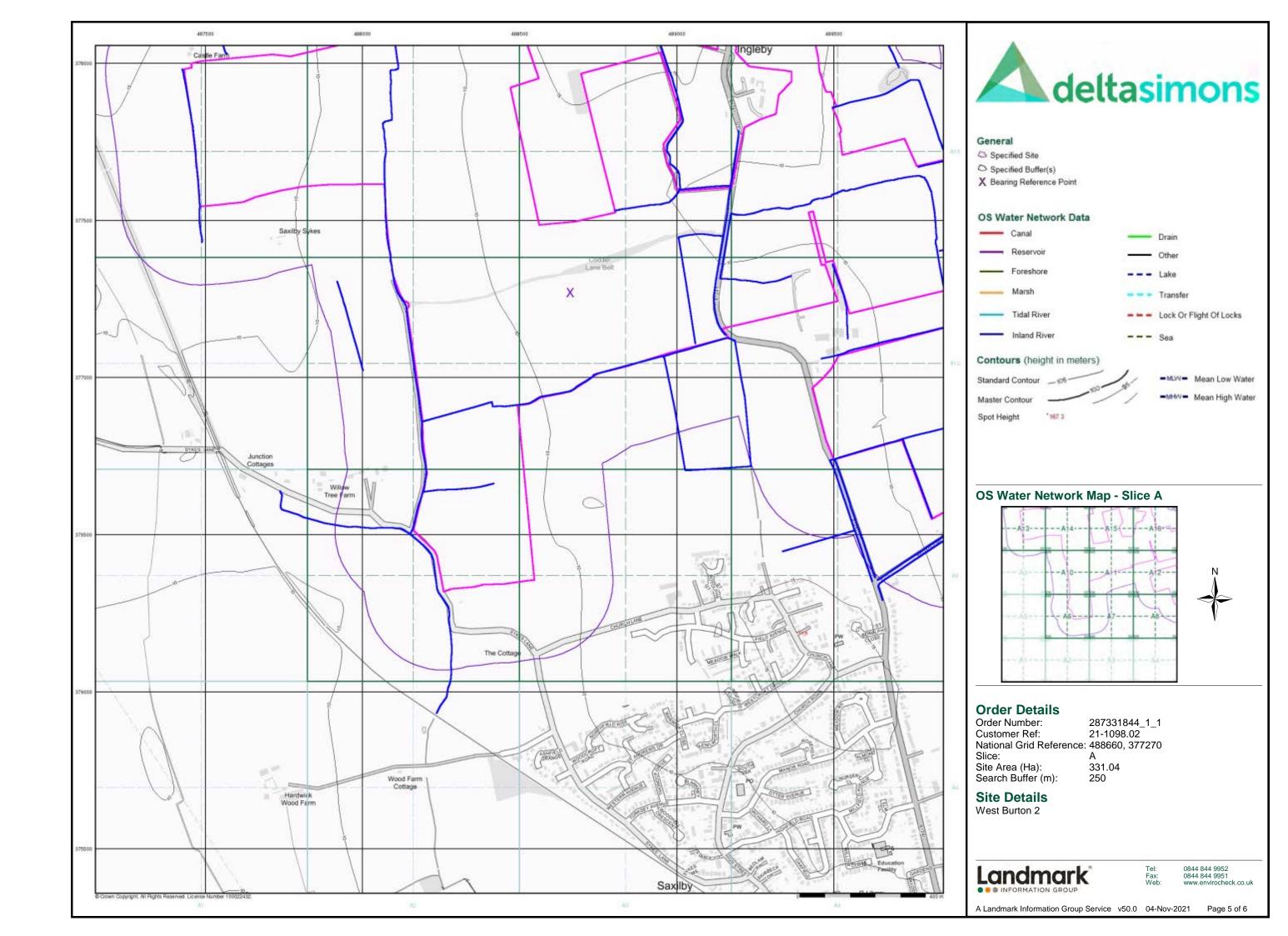
### **Site Details**

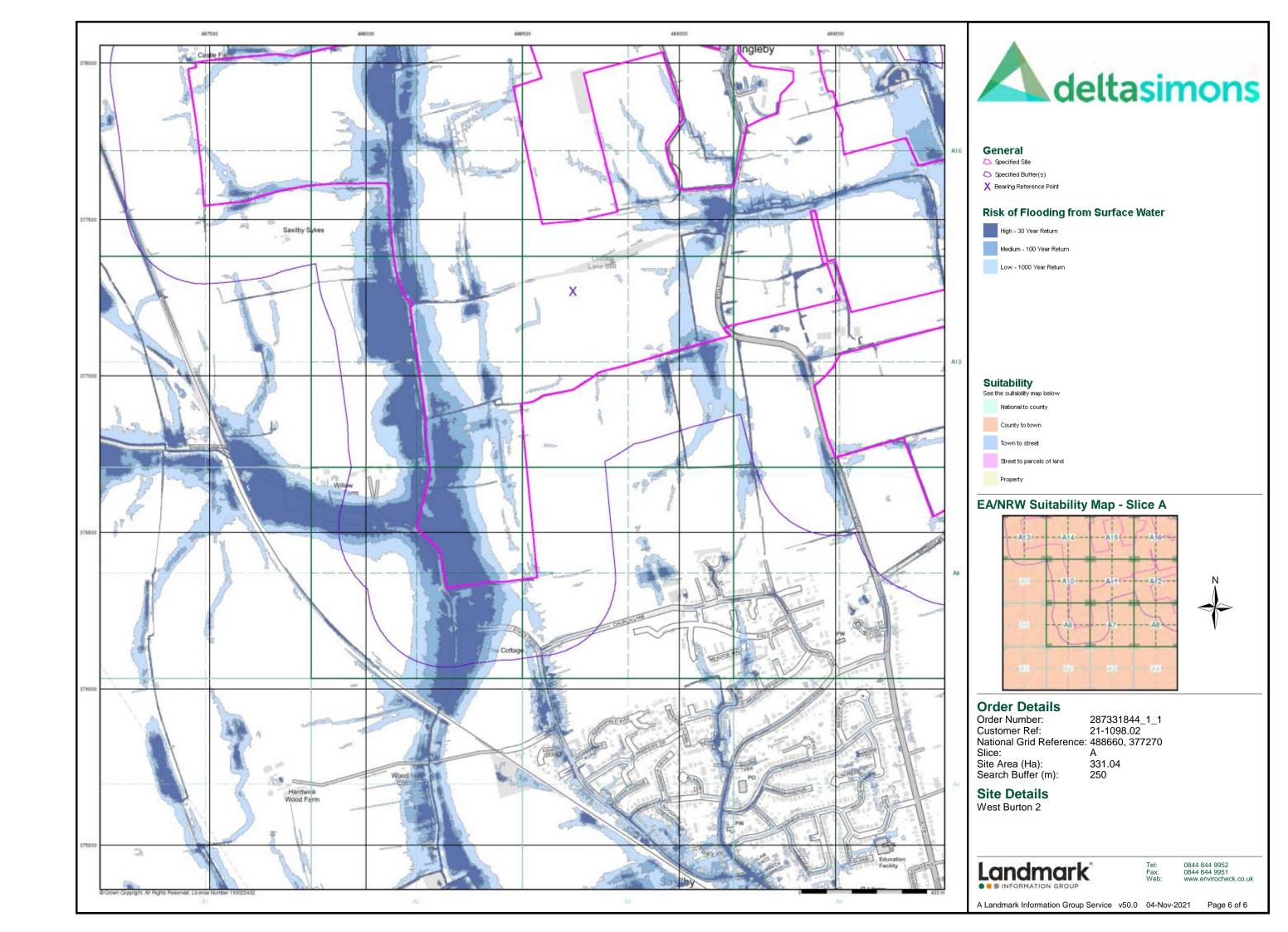
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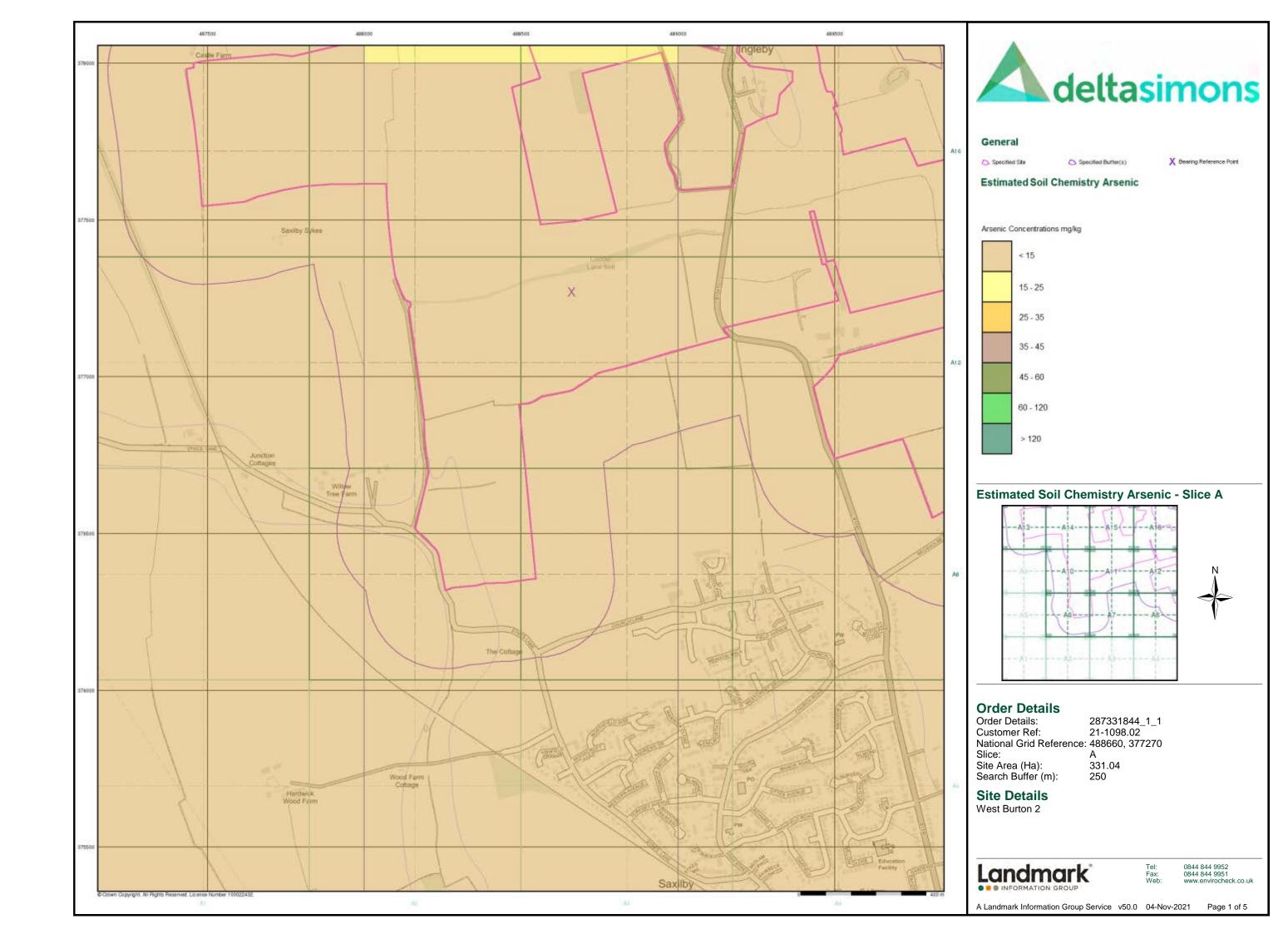


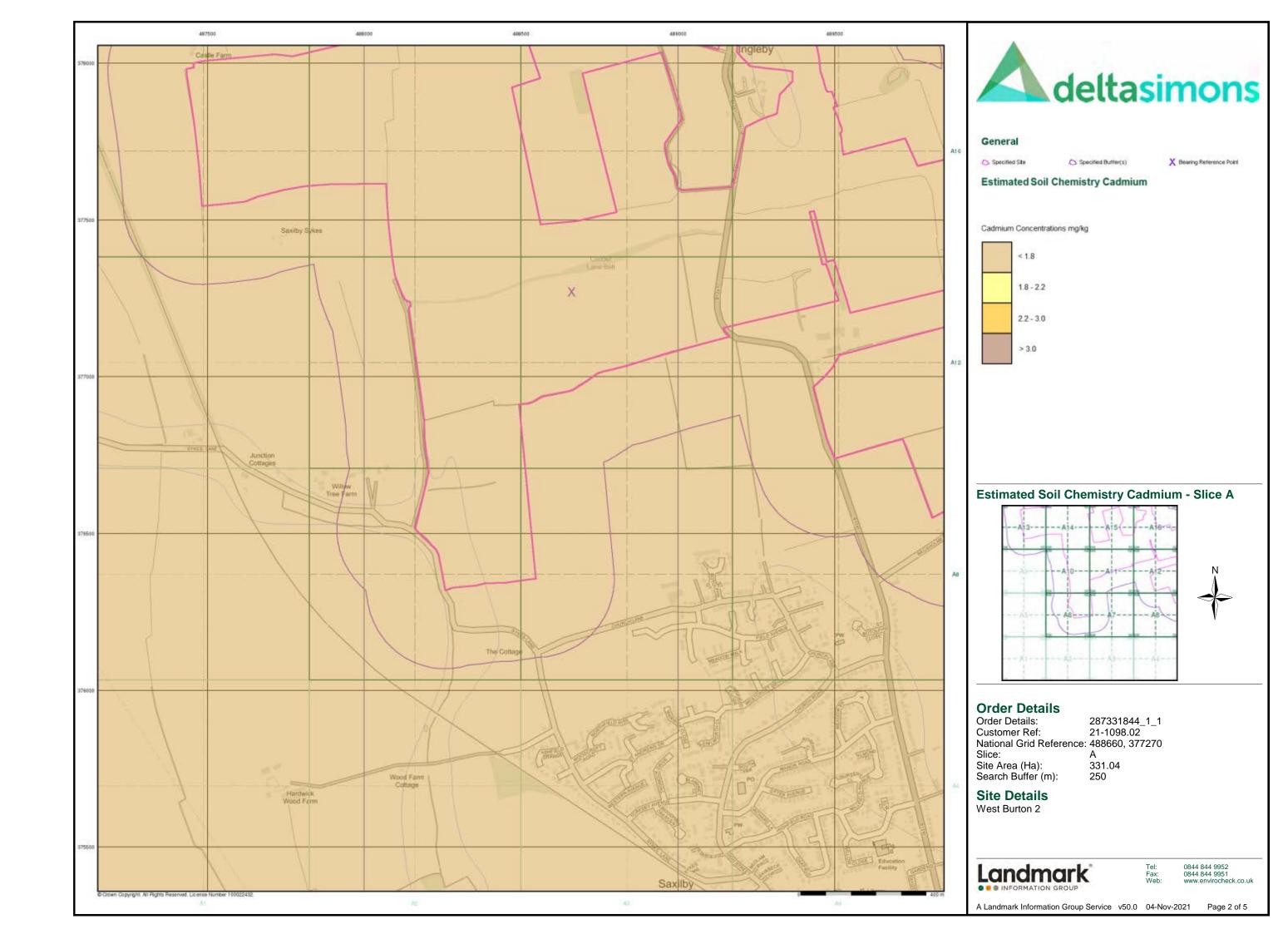
0844 844 9952 0844 844 9951 www.envirocheck.co.uk

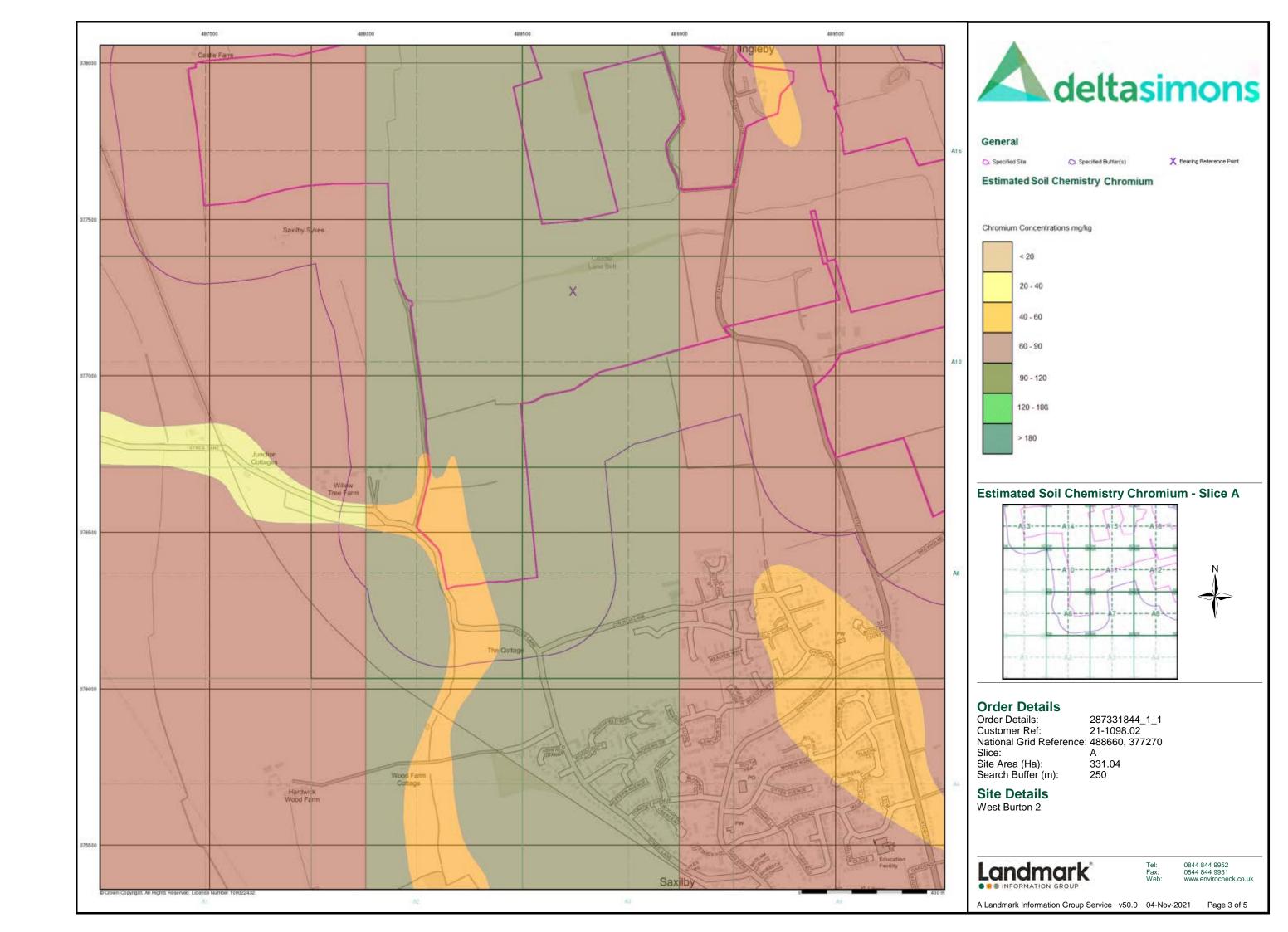
A Landmark Information Group Service v50.0 04-Nov-2021 Page 4 of 6

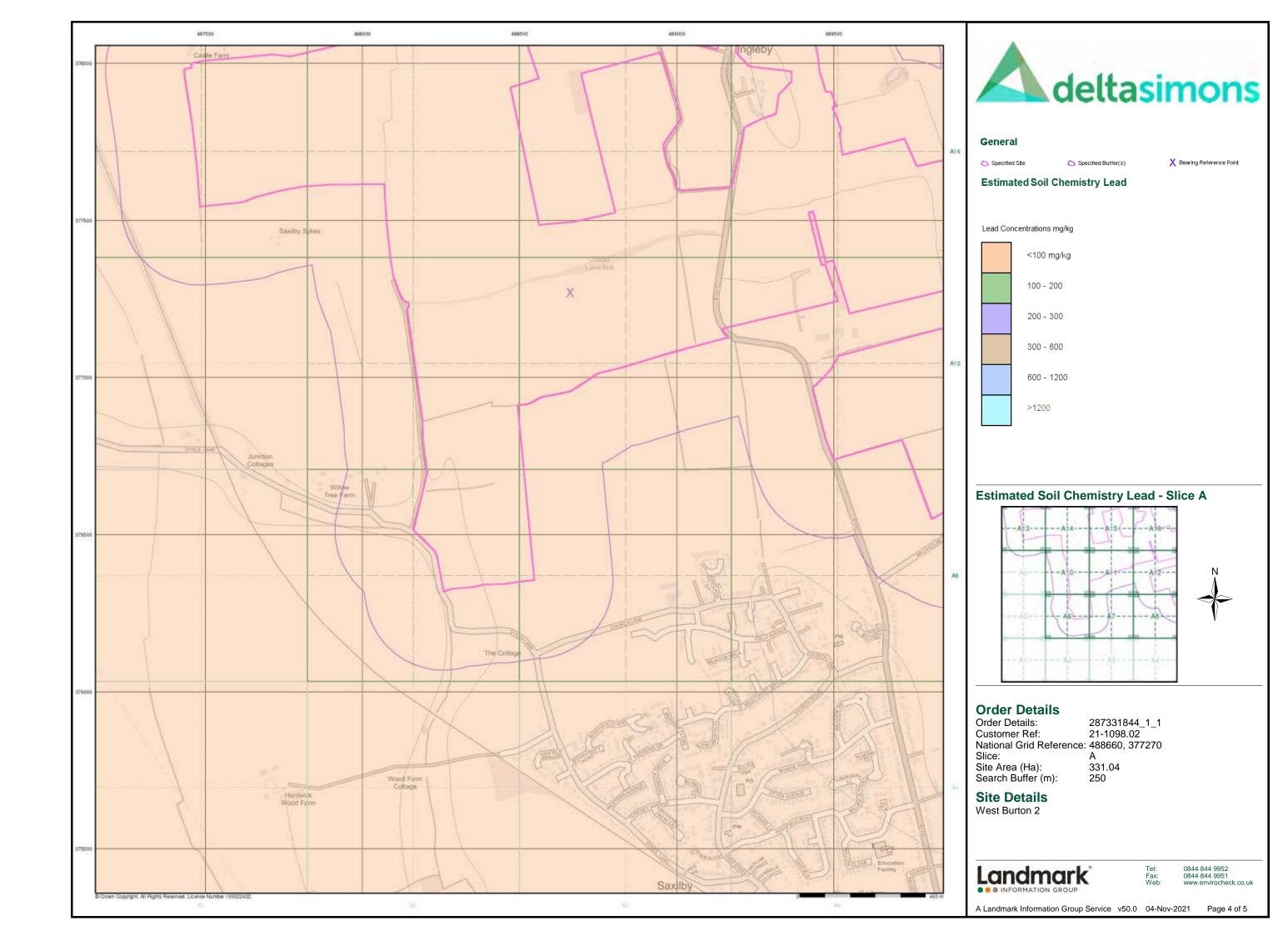


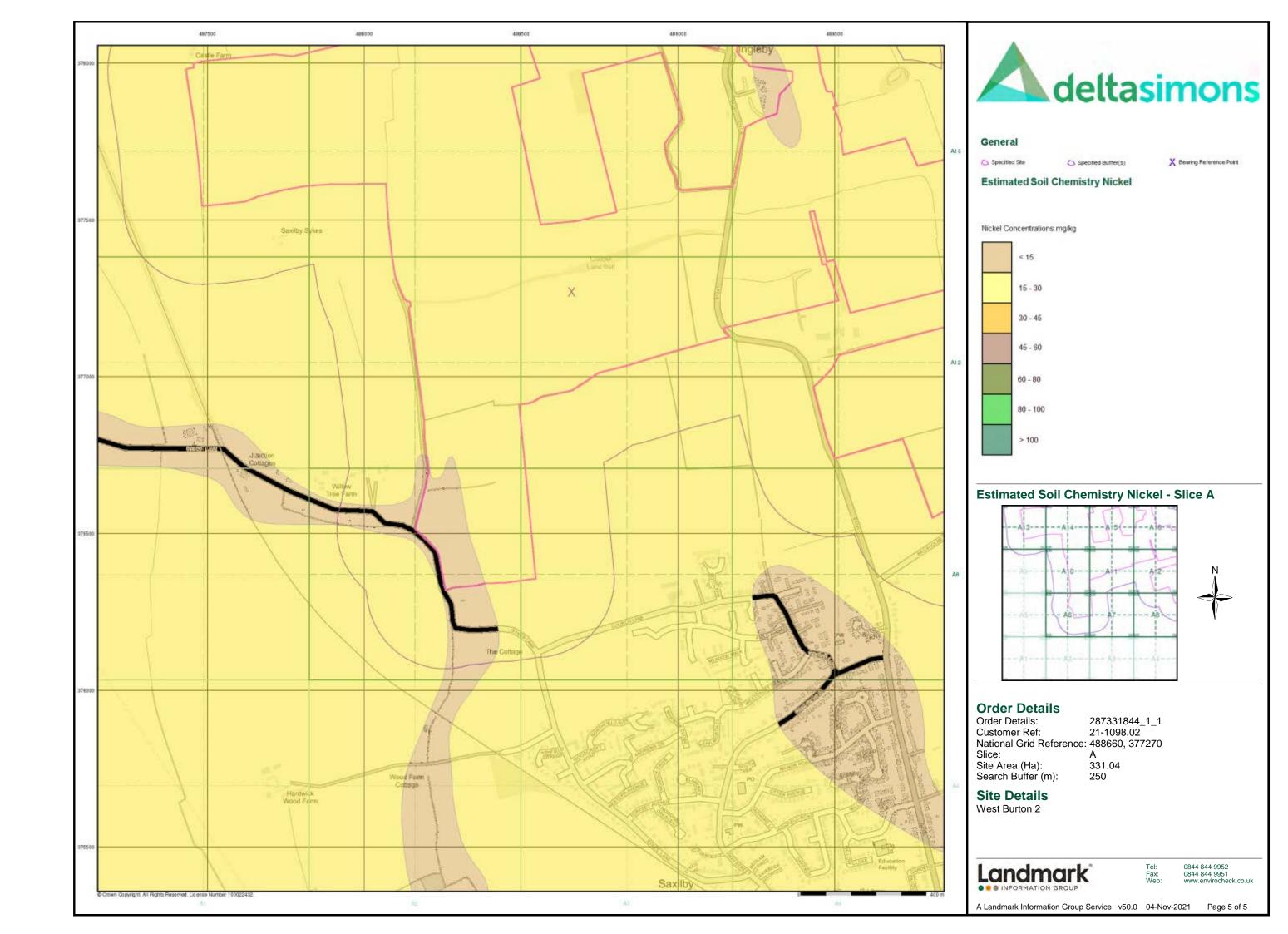


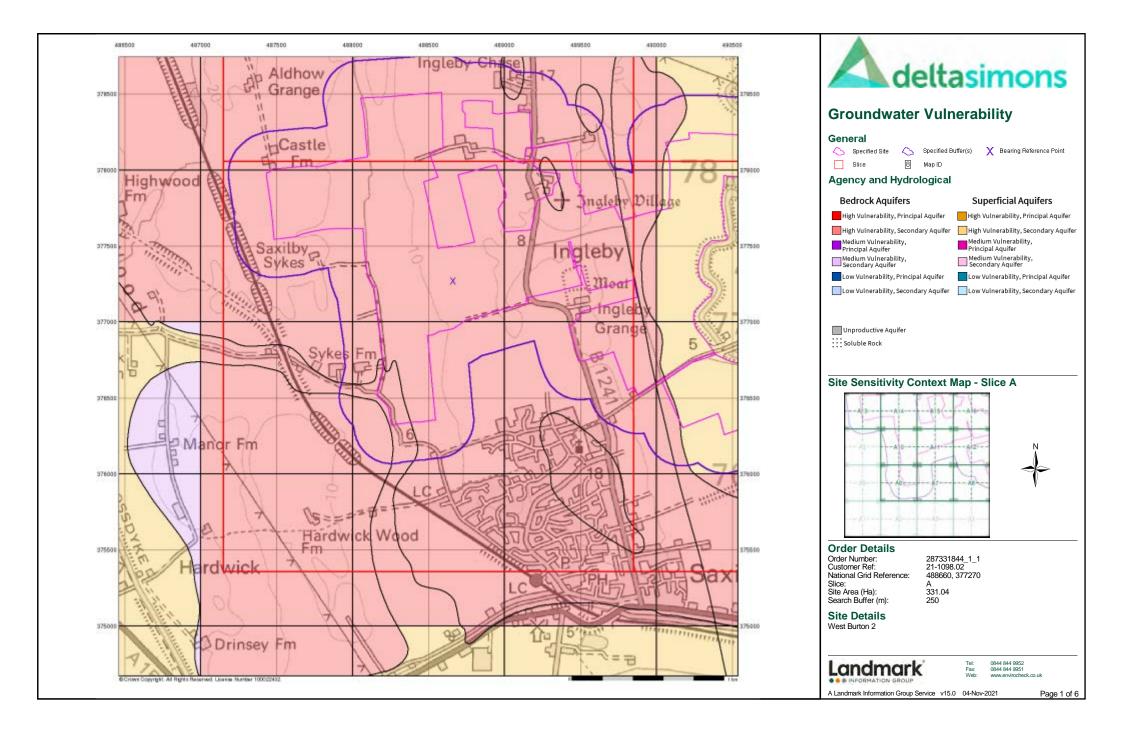


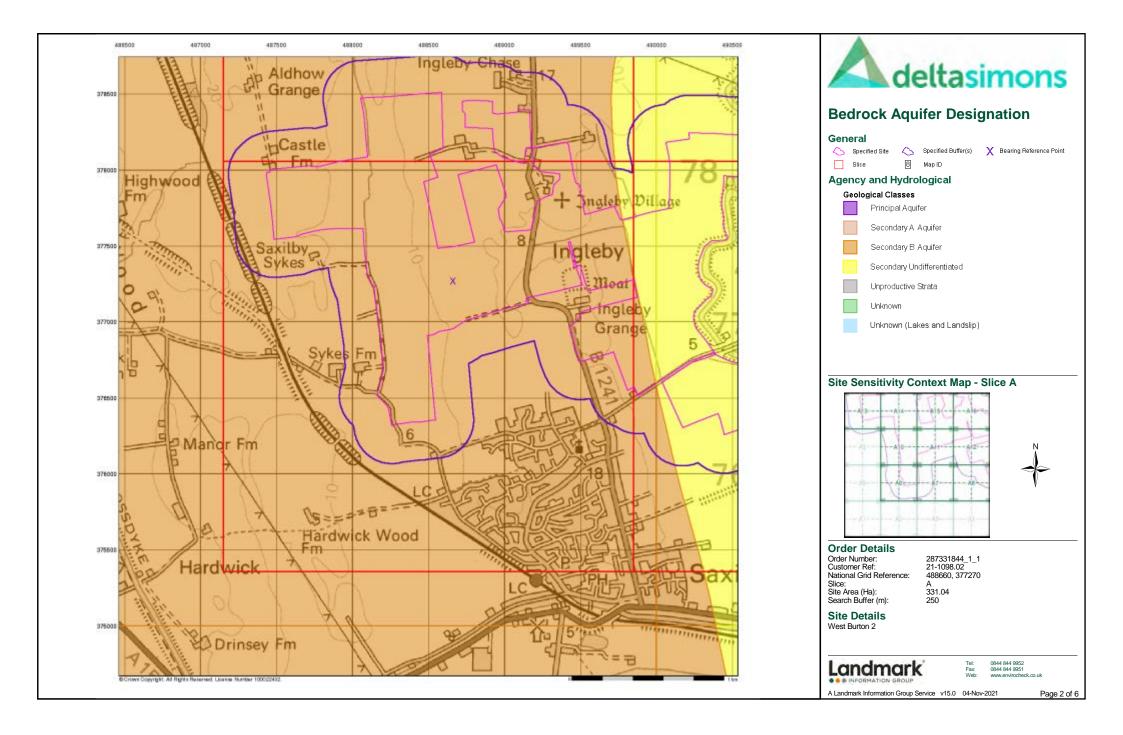


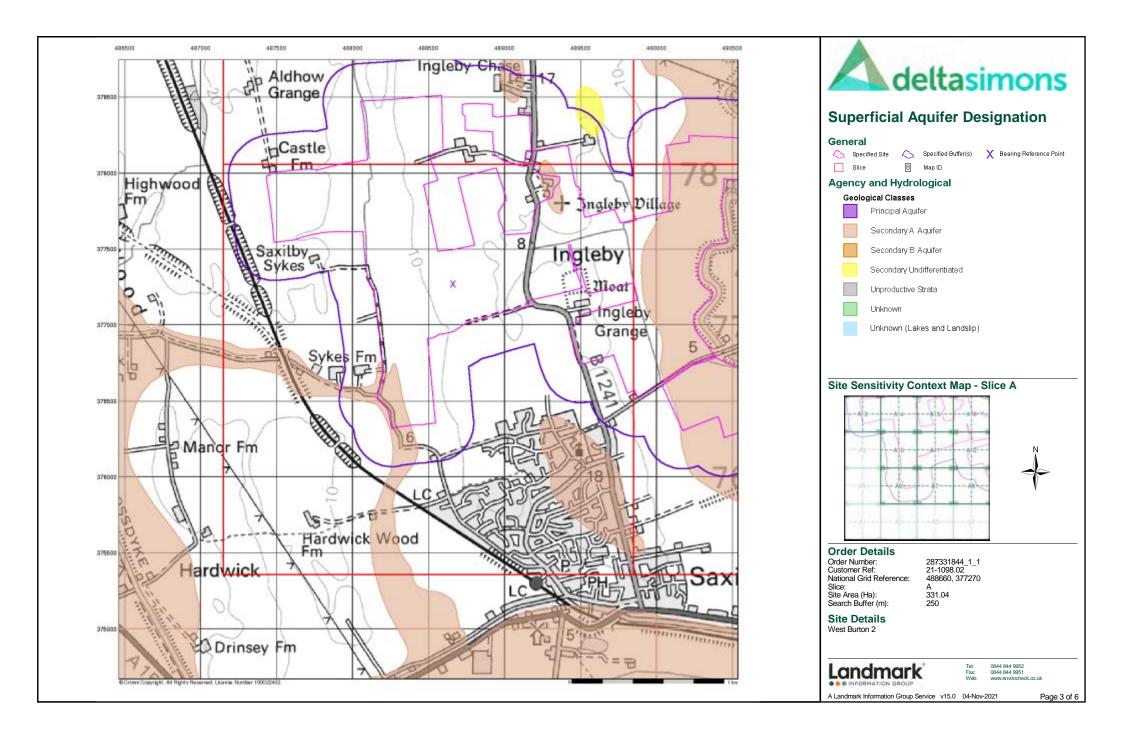


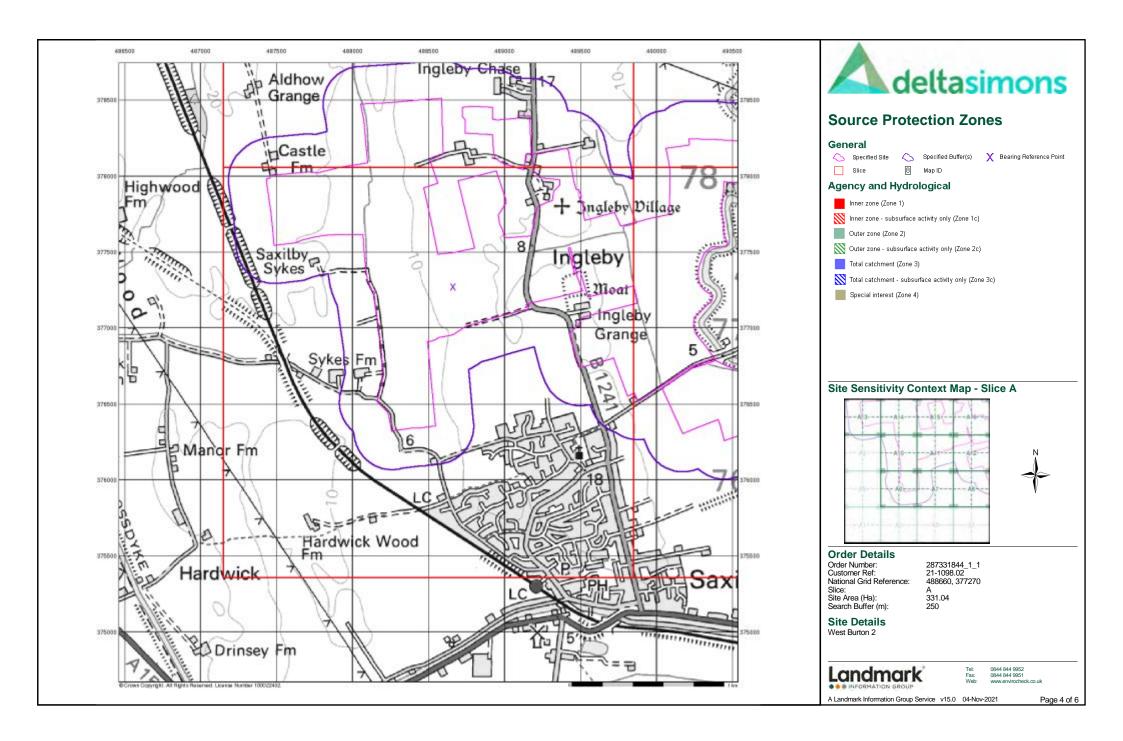


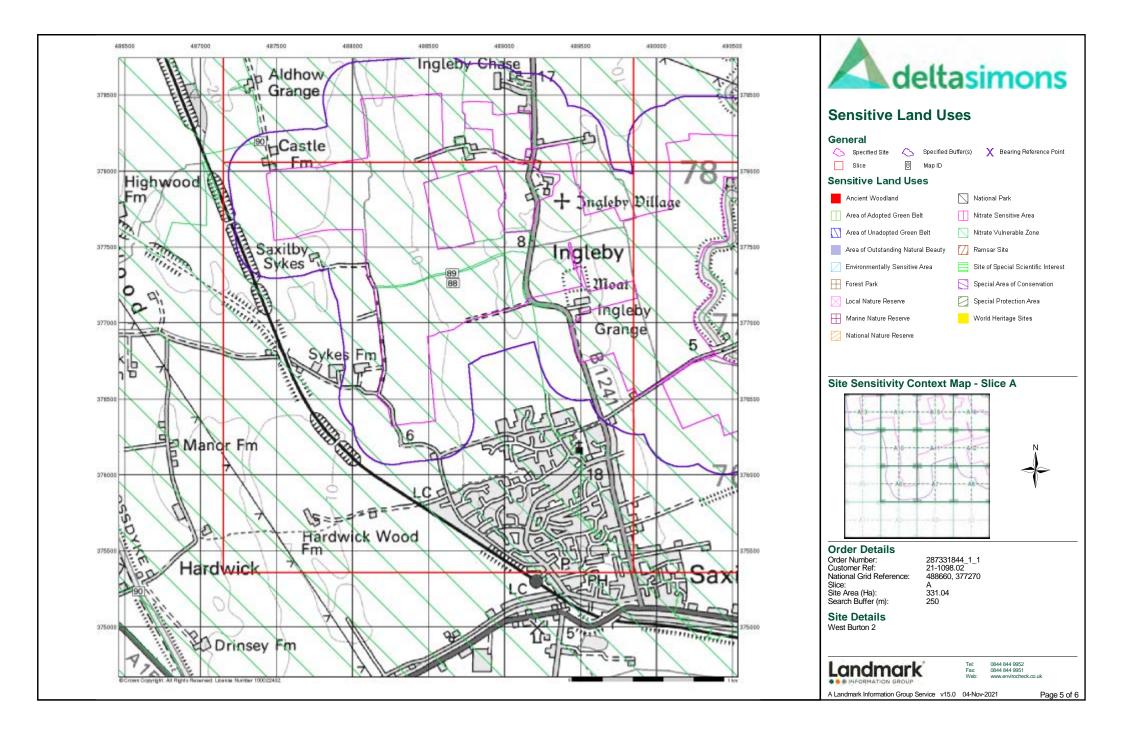


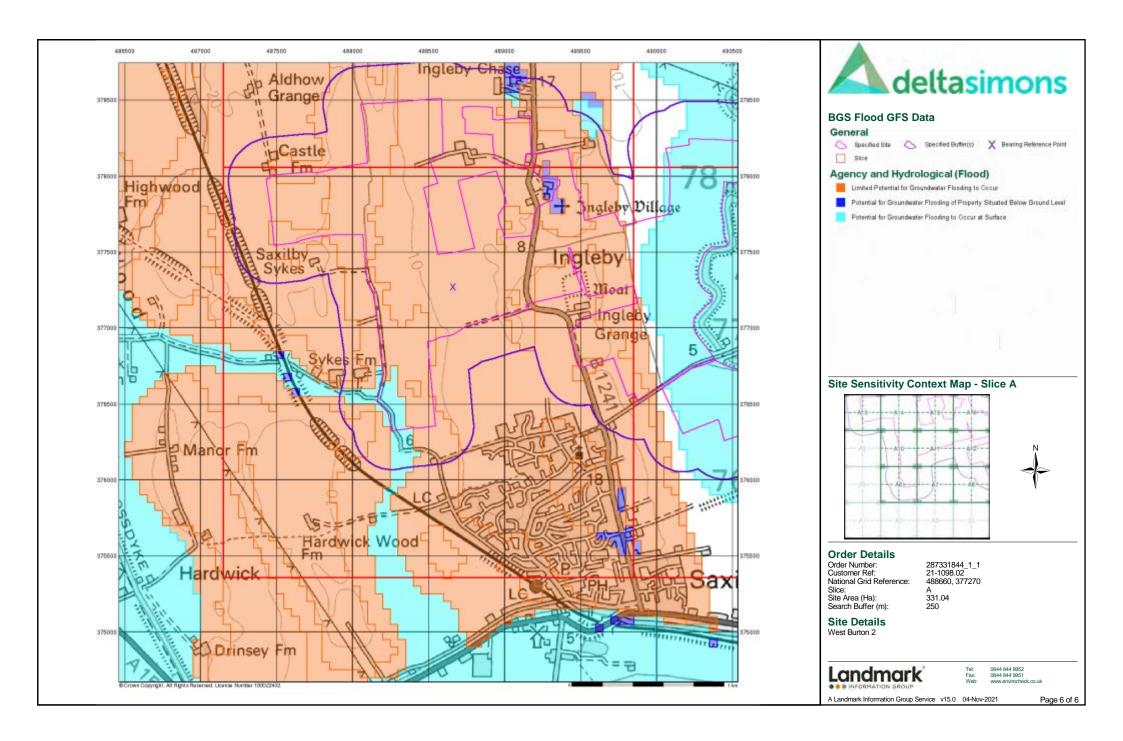














# **Envirocheck® Report:**

### **Datasheet**

### **Order Details:**

Order Number:

287331844\_1\_1

**Customer Reference:** 

21-1098.02

**National Grid Reference:** 

490370, 377000

Slice:

В

Site Area (Ha):

331.04

Search Buffer (m):

250

#### **Site Details:**

West Burton 2

### **Client Details:**

Mr A Howells Delta Simons 3 Henley Office Park Doddington Road Lincoln LN6 3QR







Report Section	Page Number
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Agency & Hydrological	1
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#### Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination.

For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.

In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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#### Report Version v53.0



Data Type	Page Number	On Site	0 to 250m (*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 1	1	
River Quality Biology Sampling Points			
River Quality Chemistry Sampling Points	pg 2		2
Substantiated Pollution Incident Register			
Water Abstractions	pg 3		5 (*3)
Water Industry Act Referrals			
Groundwater Vulnerability Map	pg 5	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 11	Yes	
Areas Benefiting from Flood Defences			
Flood Water Storage Areas	pg 11	Yes	
Flood Defences	pg 11		Yes
OS Water Network Lines	pg 12	29	36



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 20	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 21	Yes	n/a
BGS Estimated Soil Chemistry	pg 21	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 21	Yes	Yes
Potential for Compressible Ground Stability Hazards	pg 22	Yes	
Potential for Ground Dissolution Stability Hazards			
Potential for Landslide Ground Stability Hazards	pg 22	Yes	
Potential for Running Sand Ground Stability Hazards	pg 22	Yes	
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 22	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 24	2	
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 I	Flooding Susceptibility				
	Flooding Type:	Limited Potential for Groundwater Flooding to Occur	B9SW (W)	0	1	489850 376800
	BGS Groundwater	Flooding Susceptibility				
	Flooding Type:	Limited Potential for Groundwater Flooding to Occur	(NW)	0	1	489550 378250
	BGS Groundwater I	Flooding Susceptibility				
	Flooding Type:	Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	488700 376300
	BGS Groundwater I	Flooding Susceptibility				
	Flooding Type:	Limited Potential for Groundwater Flooding to Occur	B9SW (W)	0	1	489950 376950
	BGS Groundwater I	Flooding Susceptibility				
	Flooding Type:	Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	0	1	489400 377750
	BGS Groundwater I	Flooding Susceptibility				
	Flooding Type:	Limited Potential for Groundwater Flooding to Occur	(W)	0	1	489650 376800
	BGS Groundwater I	Flooding Susceptibility				
	Flooding Type:	Potential for Groundwater Flooding to Occur at Surface	B9NW (W)	0	1	490000 377050
	BGS Groundwater I	Flooding Susceptibility				
	Flooding Type:	Potential for Groundwater Flooding to Occur at Surface	B9SE (W)	0	1	490375 377002
	BGS Groundwater I	Flooding Susceptibility				
	Flooding Type:	Limited Potential for Groundwater Flooding to Occur	B5NW (SW)	54	1	490050 376450
	BGS Groundwater I	Flooding Susceptibility				
	Flooding Type:	Limited Potential for Groundwater Flooding to Occur	B5SW (S)	91	1	490100 376250
	BGS Groundwater I	Flooding Susceptibility				
	Flooding Type:	Potential for Groundwater Flooding to Occur at Surface	(NW)	146	1	489600 378250
	BGS Groundwater I	Flooding Susceptibility				
	Flooding Type:	Limited Potential for Groundwater Flooding to Occur	B5SW (S)	171	1	490100 376150
	BGS Groundwater I	Flooding Susceptibility				
	Flooding Type:	Potential for Groundwater Flooding of Property Situated Below Ground Level	B6SE (SE)	242	1	491000 376200
	Nearest Surface Wa	ater Feature	B13NE (N)	0	-	490423 377957
	River Quality		(14)			311331
	Name: GQA Grade: Reach: Estimated Distance (km):		B9SE (W)	0	2	490288 377010
	Flow Rate: Flow Type: Year:	Flow less than 0.62 cumecs River 2000				



## **Agency & Hydrological**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	River Quality Chem	istry Sampling Points				
1	Name: Reach: Reach: Estimated Distance: Objective: Positional Accuracy: Year: GQA Grade: Compliance: Year: GQA Grade:	Till Kexby Beck To Cricket Till 7.70 Not Supplied Located by supplier to within 10m 1990 River Quality Chemistry GQA Grade E - Poor Not Supplied 1993 River Quality Chemistry GQA Grade D - Fair Not Supplied 1994 River Quality Chemistry GQA Grade D - Fair Not Supplied 1994 River Quality Chemistry GQA Grade D - Fair Not Supplied 1995 River Quality Chemistry GQA Grade C - Fairly Good Not Supplied 1996 River Quality Chemistry GQA Grade C - Fairly Good Not Supplied 1997 River Quality Chemistry GQA Grade B - Good Not Supplied 1997 River Quality Chemistry GQA Grade B - Good Not Supplied 1998 River Quality Chemistry GQA Grade C - Fairly Good	B9SE (S)	35	2	490439 376799
	GQA Grade: Compliance: Year: GQA Grade: Compliance: Year: GQA Grade: Compliance: Year: GQA Grade: Compliance: Year: GQA Grade: Compliance: Year: GQA Grade: Compliance:	River Quality Chemistry GQA Grade C - Fairly Good Not Supplied 1999 River Quality Chemistry GQA Grade D - Fair Not Supplied 2000 River Quality Chemistry GQA Grade D - Fair Not Supplied 2001 River Quality Chemistry GQA Grade D - Fair Not Supplied 2002 River Quality Chemistry GQA Grade D - Fair Not Supplied 2002 River Quality Chemistry GQA Grade D - Fair Not Supplied				
	Year: GQA Grade: Compliance: Year: GQA Grade: Compliance: Year: GQA Grade: Compliance: Year: GQA Grade: Compliance: Year: GQA Grade: Compliance: Year: GQA Grade: Compliance: Year: GQA Grade: Compliance: Year: GQA Grade: Compliance: Year: GQA Grade: Compliance: Year: GQA Grade: Compliance: Year: GQA Grade: Compliance:	River Quality Chemistry GQA Grade D - Fair Not Supplied 2004 River Quality Chemistry GQA Grade D - Fair Not Supplied 2005 River Quality Chemistry GQA Grade D - Fair Not Supplied 2006 River Quality Chemistry GQA Grade D - Fair Not Supplied 2007 River Quality Chemistry GQA Grade D - Fair Not Supplied 2007 River Quality Chemistry GQA Grade D - Fair Not Supplied 2008 River Quality Chemistry GQA Grade C - Fairly Good Not Supplied 2009 River Quality Chemistry GQA Grade C - Fairly Good Not Supplied 2009 River Quality Chemistry GQA Grade C - Fairly Good Not Supplied				



## **Agency & Hydrological**

Map ID	Details			Estimated Distance From Site	Contact	NGR
	River Quality Chem	istry Sampling Points				
1	Name: Reach: Estimated Distance: Objective:	Till Cricket Till To Fossdyke Canal	B9SE (S)	35	2	490439 376799
	Year: GQA Grade: Compliance: Year: GQA Grade: Compliance: Year: GQA Grade: Compliance: Year: GQA Grade: Compliance: Year: GQA Grade: Compliance: Year: GQA Grade: Compliance: Year: GQA Grade: Compliance: Year: GQA Grade: Compliance: Year: GQA Grade: Compliance: Year: GQA Grade: Compliance: Year: GQA Grade: Compliance: Year: GQA Grade: Compliance: Year: GQA Grade: Compliance: Year: GQA Grade: Compliance: Year: GQA Grade: Compliance: Year: GQA Grade: Compliance: Year: GQA Grade: Compliance: Year: GQA Grade: Compliance: Year: GQA Grade: Compliance: Year: GQA Grade: Compliance:	River Quality Chemistry GQA Grade C - Fairly Good Not Supplied 1999 River Quality Chemistry GQA Grade D - Fair Not Supplied 2000 River Quality Chemistry GQA Grade D - Fair Not Supplied 2001 River Quality Chemistry GQA Grade D - Fair Not Supplied 2002 River Quality Chemistry GQA Grade D - Fair Not Supplied 2002 River Quality Chemistry GQA Grade D - Fair Not Supplied 2003 River Quality Chemistry GQA Grade D - Fair Not Supplied 2004 River Quality Chemistry GQA Grade D - Fair Not Supplied 2005 River Quality Chemistry GQA Grade D - Fair Not Supplied 2006 River Quality Chemistry GQA Grade D - Fair Not Supplied 2007 River Quality Chemistry GQA Grade D - Fair Not Supplied 2007 River Quality Chemistry GQA Grade D - Fair Not Supplied 2008 River Quality Chemistry GQA Grade C - Fairly Good Not Supplied 2009 River Quality Chemistry GQA Grade C - Fairly Good Not Supplied				
2	Water Abstractions Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	Lincoln Water Transfer Ltd An/030/0005/002 1 River Till & Cricket Till Environment Agency, Anglian Region General Agriculture: Spray Irrigation - Direct Water may be abstracted from a river or stream reach, or a row of wellpoints Surface Not Supplied Not Supplied Not Supplied O1 April 31 October 1st April 2011 Not Supplied Located by supplier to within 10m	B14NW (N)	30	2	490680 378040

Order Number: 287331844\_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
2	Water Abstractions Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	Lincoln Water Transfer Ltd 4/30/05/*S/0054 3 River Till & Cricket Till Environment Agency, Anglian Region General Agriculture: Spray Irrigation - Direct Water may be abstracted from a river or stream reach, or a row of wellpoints Surface Not Supplied Not Supplied Not Supplied Not Supplied 01 April 31 October 12th January 2006 Not Supplied Located by supplier to within 10m	B14NW (N)	30	2	490680 378040
2	Water Abstractions Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	Lincoln Water Transfer Ltd 4/30/05/*S/0054 2 River Till & Cricket Till Environment Agency, Anglian Region General Agriculture: Spray Irrigation - Direct Water may be abstracted from a river or stream reach, or a row of wellpoints Surface Not Supplied Not Supplied Not Supplied O1 April 31 October 7th October 2004 Not Supplied Located by supplier to within 10m	B14NW (N)	30	2	490680 378040
3	Water Abstractions Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	W Allison & Sons 4/30/06/*S/0012 100 Ingleby Pump Drain Saxilby Environment Agency, Anglian Region General Agriculture: Spray Irrigation - Direct Water may be abstracted from a river or stream reach, or a row of wellpoints Surface Not Supplied Not Supplied Not Supplied O1 May 30 September 20th June 1979 Not Supplied Located by supplier to within 100m	B6SE (SE)	161	2	491000 376290
3	Water Abstractions Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	W Allison & Sons 4/30/06/*S/0012 100 River Till R.Bank Saxilby Environment Agency, Anglian Region General Agriculture: Spray Irrigation - Direct Water may be abstracted from a river or stream reach, or a row of wellpoints Surface Not Supplied Not Supplied Not Supplied O1 May 30 September 20th June 1979 Not Supplied Located by supplier to within 100m	B6SE (SE)	167	2	491010 376290



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions					
	Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	Anglian Water Services Ltd 4/30/06/*i/015 Not Supplied River Till Control Sluice Environment Agency, Anglian Region Impounding Not Supplied Unknown Not Supplied Not Supplied Not Supplied Not Supplied Not Supplied Not Supplied Not Supplied Not Supplied Not Supplied Not Supplied Not Supplied Not Supplied Not Supplied Not Supplied Not Supplied Not Supplied Not Supplied Not Supplied Not Supplied Located by supplier to within 100m	B6SE (SE)	268	2	491040 376190
	Water Abstractions Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	W. Allison And Sons 4/30/06/*s/012 Not Supplied Ingleby Pump Drain, SAXILBY Environment Agency, Anglian Region Spray Irrigation Not Supplied Stream 5 800000 Not Supplied Not Supplied Not Supplied Not Supplied Not Supplied Not Supplied Not Supplied Not Supplied Not Supplied Not Supplied Not Supplied Not Supplied Not Supplied Located by supplier to within 100m	B2NE (SE)	487	2	491150 376000
	Water Abstractions Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	W. Allison And Sons 4/30/06/*s/012 Not Supplied River Till R Bank, SAXILBY Environment Agency, Anglian Region Spray Irrigation Not Supplied Stream 5 800000 Not Supplied Not Supplied Not Supplied Not Supplied Not Supplied Not Supplied Not Supplied Not Supplied Not Supplied Not Supplied Located by supplier to within 100m	B2NE (SE)	492	2	491160 376000
	Groundwater Vulner Combined Classification: Combined Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index: Superficial Patchiness: Superficial Thickness: Superficial Recharge:	rability Map Secondary Bedrock Aquifer - High Vulnerability High  Productive Bedrock Aquifer, Productive Superficial Aquifer Low Well Connected Fractures <300 mm/year 40-70% <90%  <3m	(NW)	0	3	489335 378000



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - High Vulnerability	B13NE (N)	0	3	490375 378000
	Combined Vulnerability:	High				
	Combined Aquifer: 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 Bedrock Aquifer - High Vulnerability	B9SW (W)	0	3	490000 376988
	Combined Vulnerability: Combined Aguifer:	High  Productive Bedrock Aquifer, No Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	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	B9SW (W)	0	3	490036 376910
	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:	>70% <90%				
	Superficial Thickness:	3-10m				
	Superficial Recharge:	High				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	B9SW (W)	0	3	489992 377000
	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				



CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Groundwater Vulner Combined Classification: Combined Classification: Combined /ulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index: Superficial Patchiness: Superficial Recharge: Groundwater Vulner Classification: Combined Classification: Combined /ulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow:	Secondary Bedrock Aquifer - High Vulnerability  High  Productive Bedrock Aquifer, No Superficial Aquifer High Poorly Connected Fractures <300 mm/year >70% <90%  <3m  High  Prability Map  Secondary Bedrock Aquifer - High Vulnerability  High  Productive Bedrock Aquifer, Productive Superficial Aquifer	B13SW (NW)	0	3	490000 377673
GCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Classification: Combined /ulnerability: Combined Aquifer: Collutant Speed: Bedrock Flow: Dilution: Baseflow Index: Superficial Patchiness: Buperficial Recharge:  Groundwater Vulner Combined Classification: Combined /ulnerability: Combined Aquifer: Pollutant Speed:	High  Productive Bedrock Aquifer, No Superficial Aquifer High Poorly Connected Fractures <300 mm/year >70% <90%  <3m  High  Prability Map  Secondary Bedrock Aquifer - High Vulnerability High  Productive Bedrock Aquifer, Productive Superficial Aquifer	(NW)			377673
Vi CC Pr Bi Bi Si Si Ti Ti Si Ri CC Ci Ci	/ulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index: Buperficial Patchiness: Buperficial Flickness: Buperficial Recharge: Broundwater Vulner Combined Classification: Combined /ulnerability: Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, No Superficial Aquifer High Poorly Connected Fractures <300 mm/year >70% <90% <3m High  Productive Map Secondary Bedrock Aquifer - High Vulnerability High  Productive Bedrock Aquifer, Productive Superficial Aquifer	B9SW	0	3	490000
Po Bu Bi Si Si Si Si Si Si Ci Ci Ci Ci Bi	Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index: Superficial Patchiness: Superficial Thickness: Superficial Recharge: Groundwater Vulner Combined Classification: Combined //ulnerability: Combined Aquifer: Pollutant Speed:	High Poorly Connected Fractures <300 mm/year >70% <90% <3m High  rability Map Secondary Bedrock Aquifer - High Vulnerability High  Productive Bedrock Aquifer, Productive Superficial Aquifer		0	3	490000
Di Ba Si Si Si Ti Si Ri Ci Ci Ci Ci Pe	Dilution: Baseflow Index: Superficial Patchiness: Superficial Thickness: Superficial Recharge: Groundwater Vulner Combined Classification: Combined Vulnerability: Combined Aquifer: Pollutant Speed:	<300 mm/year >70% <90% <3m High  rability Map Secondary Bedrock Aquifer - High Vulnerability High  Productive Bedrock Aquifer, Productive Superficial Aquifer		0	3	490000
Property States of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states of the states	Patchiness: Superficial Thickness: Superficial Recharge: Groundwater Vulner Combined Classification: Combined Vulnerability: Combined Aquifer: Pollutant Speed:					



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined	Secondary Bedrock Aquifer - High Vulnerability	(NW)	0	3	489373
	Classification: Combined	High				377734
	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:	<90%				
	Superficial Thickness:	<3m				
	Superficial Recharge:	No Data				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - High Vulnerability	B9SE (W)	0	3	490375 377002
	Combined Vulnerability:	High				
	Combined Aquifer: 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 Bedrock Aquifer - High Vulnerability	B13NW (N)	0	3	490041 378000
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution:	Productive Bedrock Aquifer, No Superficial Aquifer High Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	<00%				
	Patchiness: Superficial Thickness:	<3m				
	Superficial Recharge:	High				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	(NW)	0	3	489730 378000
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed: Bedrock Flow:	Productive Bedrock Aquifer, No Superficial Aquifer Low Well Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial Patchiness:	<90%				
	Superficial Thickness: Superficial	<3m No Data				
	Recharge:	no bala				



Groundwater Vulnerability Map Combined Combined Combined Combined High Vulnerability Combined High Vulnerability Combined High Vulnerability Combined High Vulnerability Combined High Vulnerability Combined Reduck Flow: Basicot River Diutocin: Basicot River Diutocin: Basicot River Diutocin: Septificial High Vulnerability High Vulnerability High Vulnerability High Vulnerability High Vulnerability High Vulnerability High Vulnerability High Vulnerability High Vulnerability High Vulnerability High Vulnerability High Vulnerability High High Vulnerability High High High High High High High High	ap D	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
Combined Specifical Productive Bedrock Aquifer - High Vulnerability (V) BSSW (V) Bedrock Flow Vell Connected Fractures Superficial Aquifer Bedrock Aquifer - High Vulnerability (V) BSSW (V) BASILITY (V) BSSW (V) BASILITY (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW (V) BSSW	Groundwate	ter Vulnerability Map				
Classification: Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Correlation Co			B9SW	0	3	489931
Vulnershillity Combined Aguiler Pollutart Speed: Dilution: Speed: Dilution: Speed: Dilution: Speed: Dilution: Speed: Dilution: Speed: Dilution: Speed: Dilution: Speed: Dilution: Speed: Dilution: Speed: Spe						376920
Combined Aquifer Pollutant Special Baseflow I Agent Compensate Fractures Baseflow I Agent Compensate Fractures Baseflow I Agent Compensate Fractures Baseflow I Agent Compensate Fractures Baseflow I Agent Compensate Fractures Baseflow I Agent Compensate Fractures Baseflow I Agent Compensate Fractures Baseflow I Agent Compensate Fractures Baseflow I Agent Compensate Fractures Baseflow I Agent Compensate Fractures Baseflow I Agent Compensate Fractures Baseflow I Agent Compensate Fractures Baseflow I Agent Compensate Fractures Baseflow I Agent Compensate Fractures Baseflow I Agent Compensate Fractures Baseflow I Agent Compensate Fractures Baseflow I Agent Compensate Fractures Baseflow I Agent Compensate Fractures Baseflow I Agent Compensate Fractures Baseflow I Agent Compensate Fractures Baseflow I Agent Compensate Fractures Baseflow I Agent Compensate Fractures Baseflow I Agent Compensate Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Baseflow I Agent Fractures Bas						
Pollutant Speed: Low Well Connected Fractures ASIO minyour Superficial 400% Well Connected Fractures ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial 400% ASIO minyour Superficial						
Bedrock Flow: Well Connected Fractures   Advitor   Advit						
Baseflow Index: 40-70% Superficial < 40-70% Patchriness: 3Usperficial < 40-70% Patchriness: 40-70% Patchriness: 40-70% Patchriness: 40-70% Patchriness: 40-70% Patchriness: 40-70% Patchriness: 40-70% Patchriness: 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchriness: 5Usperficial < 40-70% Patchri	Bedrock Flo	ow: Well Connected Fractures				
Superficial commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence commence						
Patrichness: Superficial						

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences				
	Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	B5NW (SW)	0	2	489886 376706
	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	B9SW (SW)	0	2	489886 376714
	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	B5NW (SW)	0	2	490018 376611
	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	B5NW (SW)	0	2	489906 376652
	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	B5NW (SW)	0	2	489903 376654
	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	B5NW (SW)	0	2	489901 376656
	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	B5NW (SW)	0	2	489897 376660
	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	B5NW (SW)	0	2	489894 376662
	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	B5NW (SW)	0	2	489885 376708
	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	B9SW (W)	0	2	489884 376927
	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	(NW)	0	2	489681 377564
	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	B9SE (SW)	0	2	490302 376937
	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	B5NW (SW)	1	2	490036 376612
	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	B9SE (SW)	8	2	490326 376962
	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	B5NW (SW)	11	2	490021 376596
	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	B9SE (W)	46	2	490375 377002

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Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Type:	om Rivers or Sea without Defences  Extent of Extreme Flooding from Rivers or Sea without Defences Fluvial Events As Supplied	B5SW (S)	93	2	490144 376216
	Type:	om Rivers or Sea without Defences  Extent of Extreme Flooding from Rivers or Sea without Defences Fluvial Models As Supplied	B5SW (S)	96	2	490143 376214
	Type:	om Rivers or Sea without Defences  Extent of Extreme Flooding from Rivers or Sea without Defences Fluvial Events As Supplied	B5SW (S)	97	2	490144 376212
	Type:	om Rivers or Sea without Defences  Extent of Extreme Flooding from Rivers or Sea without Defences Fluvial Models As Supplied	B5SW (S)	104	2	490141 376206
	Type:	om Rivers or Sea without Defences  Extent of Extreme Flooding from Rivers or Sea without Defences Fluvial Models As Supplied	B14SW (NE)	105	2	490695 377410
	Type:	om Rivers or Sea without Defences  Extent of Extreme Flooding from Rivers or Sea without Defences Fluvial Events As Supplied	B5SW (S)	106	2	490142 376204
	Type:	om Rivers or Sea without Defences  Extent of Extreme Flooding from Rivers or Sea without Defences Fluvial Models As Supplied	B5SW (S)	108	2	490140 376202
	Type:	om Rivers or Sea without Defences  Extent of Extreme Flooding from Rivers or Sea without Defences Fluvial Events As Supplied	B5SW (S)	109	2	490140 376201
	Type:	om Rivers or Sea without Defences  Extent of Extreme Flooding from Rivers or Sea without Defences Fluvial Models As Supplied	B13NW (NW)	120	2	489950 377879
	Type:	om Rivers or Sea without Defences  Extent of Extreme Flooding from Rivers or Sea without Defences Fluvial Models As Supplied	B5SW (S)	134	2	490114 376184
	Extreme Flooding from	om Rivers or Sea without Defences  Extent of Extreme Flooding from Rivers or Sea without Defences Fluvial Events	B13NW (NW)	180	2	489908 377898
	Type:	s or Sea without Defences  Extent of Flooding from Rivers or Sea without Defences Fluvial Models As Supplied	B14NW (N)	0	2	490772 378016
	Type:	s or Sea without Defences  Extent of Flooding from Rivers or Sea without Defences Fluvial Models As Supplied	B9SE (W)	0	2	490375 377002
	Areas Benefiting fro	m Flood Defences				
	Flood Water Storage Type: Reference:	e Areas Flood Water Storage Areas Not Supplied	B9SE (W)	0	2	490375 377002
	Flood Defences Type: Reference:	Flood Defences Not Supplied	B9SE (SW)	10	2	490303 376935
	Flood Defences Type: Reference:	Flood Defences Not Supplied	B10SW (SE)	18	2	490692 376723
	Flood Defences Type: Reference:	Flood Defences Not Supplied	B9SE (SW)	43	2	490327 376960

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B13SW (NW)	0	4	489859 377691
5	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 142.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B5NE (S)	0	4	490349 376520
6	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B5NE (S)	0	4	490410 376394
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	B6NW (S)	0	4	490583 376462
8	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 306.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B9SE (S)	0	4	490367 376790
9	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 494.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B13NE (N)	0	4	490423 377957
10	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 8.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B13NW (N)	0	4	490100 377978
11	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 2.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B13NW (N)	0	4	490092 377978
12	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 54.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B13NW (N)	0	4	490090 377978



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 144.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B13NW (N)	0	4	490091 378033
14	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 241.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B9SW (W)	0	4	489961 376865
15	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 570.7  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B9SE (SW)	0	4	490288 376930
16	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 446.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B9NE (N)	0	4	490304 377239
17	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 11.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B13SW (NW)	0	4	490105 377455
18	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 195.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	B13SE (N)	0	4	490300 377477
19	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 205.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B13SW (NW)	0	4	490104 377466
20	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 14.3  Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	B13SE (N)	0	4	490314 377477
21	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 309.7  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B13SW (NW)	0	4	490076 377670



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	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: 2	B13SW (NW)	0	4	490086 377670
23	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 349.7  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	B13SE (N)	0	4	490331 377686
24	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 8.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	B13SE (N)	0	4	490435 377693
25	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 248.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B9SW (W)	0	4	489961 376865
26	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 139.8  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B9SW (W)	0	4	489957 376879
27	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 172.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B9SW (W)	0	4	489922 376999
28	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 274.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B9NW (W)	0	4	489871 377176
29	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 273.7  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B13SW (NW)	0	4	490105 377455
30	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 486.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B5NW (SW)	0	4	490119 376657



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 17.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B5NW (SW)	0	4	490030 376634
32	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 18.7  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B5NW (SW)	0	4	490123 376675
33	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 422.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B13SE (N)	1	4	490443 377693
34	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 11.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B9NW (W)	1	4	489873 377165
35	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 684.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B9SE (S)	2	4	490401 376786
36	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 146.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B14NW (N)	2	4	490593 377945
37	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 251.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B9NE (N)	2	4	490322 377246
38	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 331.1  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B13SE (N)	2	4	490314 377477
39	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 250.3  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B9NW (W)	2	4	489873 377165



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
40	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 187.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B5NW (SW)	2	4	490035 376617
	OS Water Network Lines				
41	Watercourse Form: Inland river Watercourse Length: 105.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B5NW (SW)	2	4	490123 376675
42	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 58.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B5NW (SW)	3	4	489879 376514
43	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 19.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B9SE (S)	5	4	490388 376800
44	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 134.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B6NE (SE)	9	4	490923 376425
45	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 3206.0  Watercourse Level: On ground surface Permanent: True Watercourse Name: River Till Catchment Name: Witham Primacy: 1	B9SE (SW)	28	4	490318 376946
46	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 677.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B9SE (SW)	60	4	490339 376969
47	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 440.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B9NE (N)	60	4	490404 377274
48	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 894.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B13SE (N)	61	4	490505 377674



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
49	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B14SW (N)	63	4	490530 377563
50	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B14SW (N)	64	4	490530 377563
51	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B13SE (N)	64	4	490505 377666
52	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B9SE (SW)	65	4	490332 376977
53	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B9SE (SE)	67	4	490376 376999
54	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 190.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B9NE (N)	67	4	490404 377274
55	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 5.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B14SW (N)	70	4	490536 377564
56	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 451.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B14SW (N)	75	4	490541 377565
57	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 995.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B6NE (SE)	76	4	490896 376666



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
58	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	B6NE (SE)	88	4	490896 376666
59	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 257.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B6NE (SE)	96	4	490905 376667
60	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 239.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B14NW (NE)	115	4	490798 377949
61	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 33.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B6SE (SE)	138	4	490972 376302
62	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 41.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	B6SE (SE)	138	4	490972 376302
63	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 759.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Till Catchment Name: Witham Primacy: 1	B6SE (SE)	151	4	491013 376312
64	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 821.0  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B6SW (S)	166	4	490698 376164
65	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 130.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B6SE (SE)	170	4	490978 376269
66	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 13.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B6SE (SE)	170	4	490978 376269



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
67	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 171.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B5SW (S)	179	4	490131 376131
68	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 513.6  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B10SE (E)	204	4	491146 376731

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### **Waste**

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	490375 377002
	Local Authority La	ndfill Coverage				
	Name:	Lincolnshire County Council - Had landfill data but passed it to the relevant environment agency		0	6	490375 377002

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Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid G Description: Li	Geology ias Group	B9SE (W)	0	1	490375 377002
	Soil Sample Type: R Arsenic < Concentration: Cadmium < Concentration: Chromium 60 Concentration: Lead Concentration: <	ritish Geological Survey, National Geoscience Information Service tural Soil 15 mg/kg 1.8 mg/kg 0 - 90 mg/kg	B13NW (N)	0	1	490041 378000
	Soil Sample Type: R Arsenic < Concentration: Cadmium < Concentration: Chromium 60 Concentration: Lead Concentration: <	ritish Geological Survey, National Geoscience Information Service tural Soil 15 mg/kg 1.8 mg/kg 0 - 90 mg/kg	B9SW (W)	0	1	490036 376910
	Soil Sample Type: R Arsenic < Concentration: Cadmium < Concentration: Chromium 60 Concentration: Lead Concentration: <	ritish Geological Survey, National Geoscience Information Service tural Soil 15 mg/kg 1.8 mg/kg 0 - 90 mg/kg	B9SE (W)	0	1	490375 377002
	Soil Sample Type: R Arsenic < Concentration: Cadmium < Concentration: Chromium 60 Concentration: Lead Concentration: <	ritish Geological Survey, National Geoscience Information Service tural Soil 15 mg/kg 1.8 mg/kg 0 - 90 mg/kg	B10SE (E)	76	1	490888 377000
	BGS Measured Urban No data available					
	No data available  Coal Mining Affected A					
	_	ot be affected by coal mining				
	Hazard Potential: N	ole Ground Stability Hazards lo Hazard ritish Geological Survey, National Geoscience Information Service	B9SW (W)	0	1	490000 377002
	Hazard Potential: N	ole Ground Stability Hazards lo Hazard ritish Geological Survey, National Geoscience Information Service	B9SE (W)	0	1	490375 377002
	Hazard Potential: V	ole Ground Stability Hazards ery Low ritish Geological Survey, National Geoscience Information Service	B9SW (W)	0	1	490000 376988
	Hazard Potential: V	ole Ground Stability Hazards ery Low ritish Geological Survey, National Geoscience Information Service	B13SW (NW)	0	1	490000 377673





Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Collapsible Ground Stability Hazards				
	Hazard Potential: Very Low Source: Very Low British Geological Survey, National Geoscience Information Service	B9SW (W)	0	1	490036 376910
	Potential for Collapsible Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B10NW (NE)	76	1	490792 377240
	Potential for Compressible Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9SW (W)	0	1	490000 376988
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard	B13SW	0	1	490000
	Source: British Geological Survey, National Geoscience Information Service	(NW)			377673
	Potential for Compressible Ground Stability Hazards  Hazard Potential: No Hazard  Source: British Geological Survey, National Geoscience Information Service	B9SW (W)	0	1	490036 376910
	Potential for Compressible Ground Stability Hazards				
	Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B9SW (W)	0	1	490000 377002
	Potential for Compressible Ground Stability Hazards  Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B9SE (W)	0	1	490375 377002
	Potential for Compressible Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B10NW (NE)	76	1	490792 377240
	Potential for Ground Dissolution Stability Hazards  Hazard Potential: No Hazard  Source: British Geological Survey, National Geoscience Information Service	B9SW (W)	0	1	490000 377002
	Potential for Ground Dissolution Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9SE (W)	0	1	490375 377002
	Potential for Landslide Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9SW (W)	0	1	490000 377002
	Potential for Landslide Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9SE (W)	0	1	490375 377002
	Potential for Running Sand Ground Stability Hazards  Hazard Potential: No Hazard  Source: British Geological Survey, National Geoscience Information Service	B9SW (W)	0	1	490000 376988
	Potential for Running Sand Ground Stability Hazards  Hazard Potential: No Hazard  Source: British Geological Survey, National Geoscience Information Service	B13SW (NW)	0	1	490000 377673
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard	B9SW	0	1	490036
	Source: British Geological Survey, National Geoscience Information Service  Potential for Running Sand Ground Stability Hazards	(W)			376910
	Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B9SW (W)	0	1	490000 377002
	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B9SE (W)	0	1	490375 377002
	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Source: No Hazard British Geological Survey, National Geoscience Information Service	B10NW (NE)	76	1	490792 377240
	Potential for Shrinking or Swelling Clay Ground Stability Hazards  Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B9SW (W)	0	1	490000 377002
	Potential for Shrinking or Swelling Clay Ground Stability Hazards  Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B9NE (N)	0	1	490371 377187
	Potential for Shrinking or Swelling Clay Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9NW (W)	0	1	490000 377065

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# **Geological**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrink	ing or Swelling Clay Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	B9SE (W)	0	1	490375 377002
	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	B9SW (W)	0	1	490000 377002
	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	B9SE (W)	0	1	490375 377002
	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	B9SW (W)	0	1	490000 377002
	-	adon Protection Measures				
		No radon protective measures are necessary in the construction of new dwellings or extensions British Geological Survey, National Geoscience Information Service	B9SE (W)	0	1	490375 377002

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## **Sensitive Land Use**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
69	Nitrate Vulnerable	e Zones Fossdyke Canal Nvz	(W)	0	3	489300
	Description: Source:	Surface Water Environment Agency, Head Office	(,			377102
	Nitrate Vulnerable	Zones				
70	Name: Description: Source:	Lower Witham Nvz Surface Water Environment Agency, Head Office	B9SE (W)	0	3	490375 377002

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Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Environment Agency - Head Office	June 2020	Annually
North Kesteven District Council - Environmental Health Department	October 2017	Annual Rolling Updat
West Lindsey District Council - Environmental Health Department	September 2017	Annual Rolling Updat
Discharge Consents Environment Agency - Anglian Region	July 2021	Quarterly
· · · · ·	July 2021	Quarterly
Enforcement and Prohibition Notices  Environment Agency - Anglian Region	March 2013	
Environment Agency - Anglian Region  Environment Agency - Midlands Region	March 2013	
	Water 2013	
ntegrated Pollution Controls	January 2000	
Environment Agency - Anglian Region	January 2009	
Environment Agency - Midlands Region	January 2009	
ntegrated Pollution Prevention And Control	lulu 2004	Over when why
Environment Agency - Anglian Region	July 2021	Quarterly
Environment Agency - Midlands Region	July 2021	Quarterly
Local Authority Integrated Pollution Prevention And Control		
North Kesteven District Council - Environmental Health Department	May 2014	Variable
West Lindsey District Council - Environmental Health Department	November 2014	Variable
Local Authority Pollution Prevention and Controls		
North Kesteven District Council - Environmental Health Department	May 2014	Annual Rolling Updat
West Lindsey District Council - Environmental Health Department	November 2014	Annual Rolling Updat
Local Authority Pollution Prevention and Control Enforcements		
North Kesteven District Council - Environmental Health Department	May 2014	Variable
Nest 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	
Environment Agency - Midlands Region	July 2015	
Prosecutions Relating to Controlled Waters		
Environment Agency - Anglian Region	March 2013	
Environment Agency - Midlands Region	March 2013	
Registered Radioactive Substances		
Environment Agency - Anglian Region	June 2016	Annually
Environment Agency - Midlands 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	·	1
Environment Agency - Head Office	April 2012	Annually
Substantiated Pollution Incident Register	,	,
Environment Agency - Anglian Region - Northern Area	July 2021	Quarterly
Environment Agency - Midlands Region - Lower Trent Area	July 2021	Quarterly
Water Abstractions	,	
Environment Agency - Anglian Region	July 2021	Quarterly
	5a.y 2021	Quartony
Water Industry Act Referrals Environment Agency - Anglian Region	October 2017	Quarterly
Environment Agency - Anglian Region Environment Agency - Midlands Region	October 2017 October 2017	Quarterly

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Agency & Hydrological	Version	Update Cycle
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
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

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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
Environment Agency - Midlands Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - Anglian Region - Northern Area	July 2021	Quarterly
Environment Agency - Midlands Region - Lower Trent Area	July 2021	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - Anglian Region - Northern Area	July 2021	Quarterly
Environment Agency - Midlands Region - Lower Trent Area	July 2021	Quarterly
Local Authority Landfill Coverage		
Lincolnshire County Council	February 2003	Not Applicable
North Kesteven District Council - Environmental Health Department	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	
North Kesteven District Council - Environmental Health Department	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
Environment Agency - Midlands Region - Lower Trent Area	March 2006	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - Anglian Region - Northern Area	April 2018	
Environment Agency - Midlands Region - Lower Trent Area	April 2018	
Registered Waste Treatment or Disposal Sites		
Environment Agency - Anglian Region - Northern Area	June 2015	
Environment Agency - Midlands Region - Lower Trent Area	June 2015	
·		Lindete Cycle
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)	A "I 0040	D: 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)		
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
North Kesteven District Council - Planning Department	October 2015	Variable
Planning Hazardous Substance Consents		
Lincolnshire County Council - Highways and Planning Department	August 2007	Variable
West Lindsey District Council	February 2016	Variable
North Kesteven District Council - Planning Department	October 2015	Variable

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Geological	Version	Update Cycle	
BGS 1:625,000 Solid Geology			
British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable	
BGS Estimated Soil Chemistry			
British Geological Survey - National Geoscience Information Service	December 2015	Annually	
BGS Recorded Mineral Sites			
British Geological Survey - National Geoscience Information Service	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	p 2020	7	
British Geological Survey - National Geoscience Information Service	January 2019	Annually	
· · · · · · · · · · · · · · · · · · ·	January 2019	Aillidally	
Potential for Ground Dissolution Stability Hazards	January 0040	A server III.	
British Geological Survey - National Geoscience Information Service	January 2019	Annually	
Potential for Landslide Ground Stability Hazards			
British Geological Survey - National Geoscience Information Service	January 2019	Annually	
Potential for Running Sand Ground Stability Hazards			
British Geological Survey - National Geoscience Information Service	January 2019	Annually	
Potential for Shrinking or Swelling Clay Ground Stability Hazards			
British Geological Survey - National Geoscience Information Service	January 2019	Annually	
Radon Potential - Radon Affected Areas			
British Geological Survey - National Geoscience Information Service	July 2011	Annually	
Radon Potential - Radon Protection Measures			
British Geological Survey - National Geoscience Information Service	July 2011	Annually	
	·	,	
Industrial Land Use	Version	Update Cycle	
Contemporary Trade Directory Entries			
Thomson Directories	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	
	- Coptombol 2021	Quartony	
Points of Interest - Public Infrastructure PointX	Sontomber 2024	Quartarly	
	September 2021	Quarterly	
Points of Interest - Recreational and Environmental	<b>A</b>	•	
PointX	September 2021	Quarterly	
Underground Electrical Cables			
National Grid	May 2021	Annually	

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Sensitive Land Use	Version	Update Cycle
Ancient Woodland		
Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt		
North Kesteven District Council	October 2020	Quarterly
West Lindsey District Council	October 2020	Quarterly
Areas of Unadopted Green Belt		
North Kesteven District Council	October 2020	Quarterly
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: 287331844\_1\_1 Date: 04-Nov-2021 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 29 of 31



## **Data Suppliers**

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	Map data
Environment Agency	Environment
Scottish Environment Protection Agency	SEPA
The Coal Authority	The Coal Authority
British Geological Survey	British Geological Survey MATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	Cyfoeth Naturiol Cymru Matural Resources Walkes
Scottish Natural Heritage	SCOTTISH NATURAL HERITAGE 迎念別
Natural England	NATURAL ENGLAND
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.

### **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
	HPSG	Holme Pierrepont Sand and Gravel Member	Sand and Gravel	Not Supplied - Pleistocene
	RTDU	River Terrace Deposits (Undifferentiated)	Sand and Gravel	Not Supplied - Quaternary
	RTD1	River Terrace Deposits, 1	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 B





### **Order Details:**

Order Number: Customer Reference: National Grid Reference:

287331844\_1\_1 21-1098.02 490370, 377000 B 331.04 Site Area (Ha): Search Buffer (m):

Site Details:

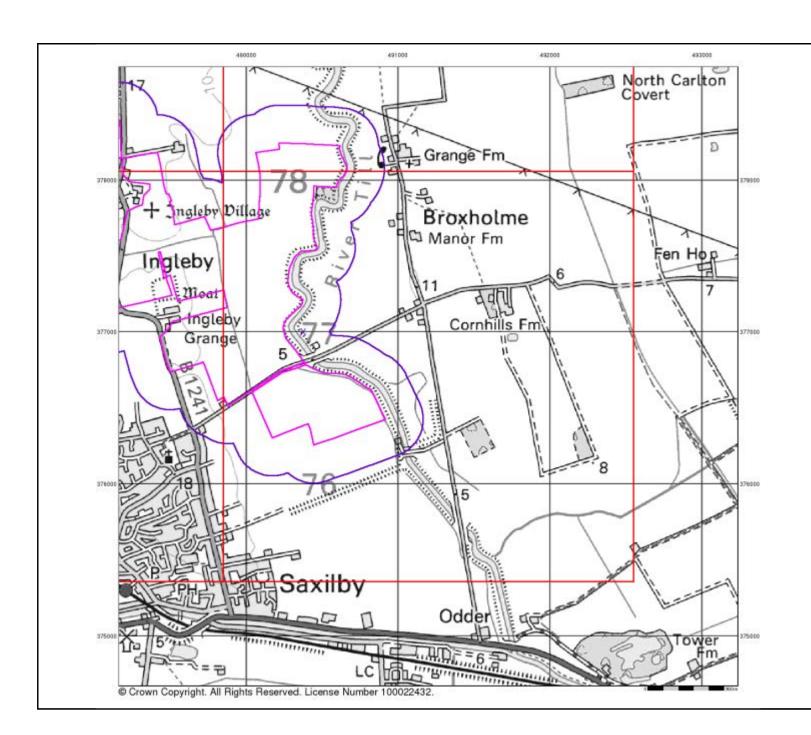
West Burton 2

Landmark

0844 844 9952 0844 844 9951

v15.0 04-Nov-2021

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### **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:

collapsed due to subsidence.

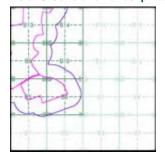
- Made ground man-made deposits such as embankments and spoil heaps on the natural ground surface.

  - 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

### Artificial Ground and Landslip Map - Slice B





### **Order Details:**

Order Number: Customer Reference: National Grid Reference:

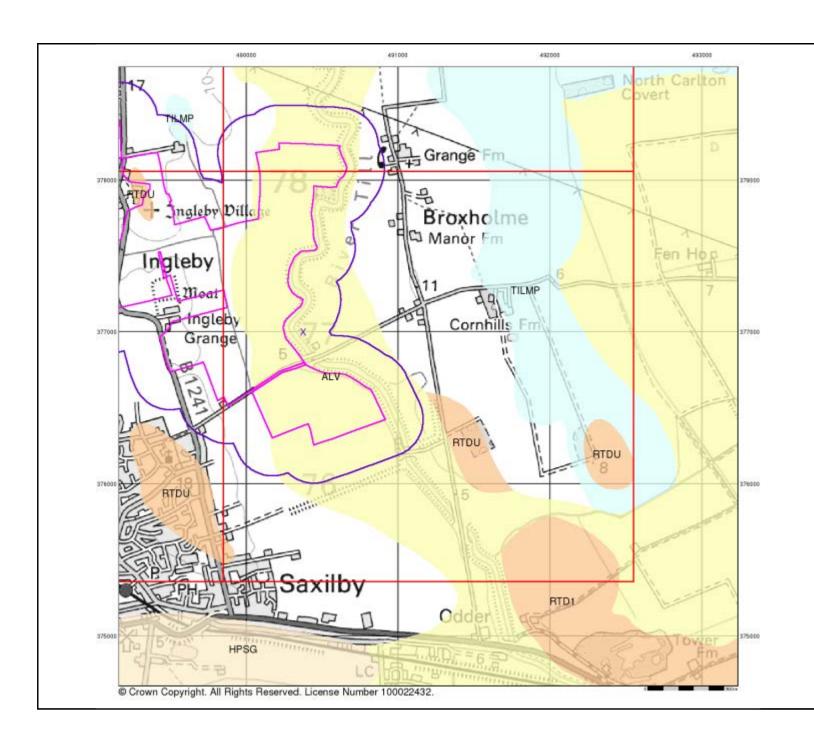
Site Area (Ha): Search Buffer (m):

Site Details: West Burton 2

287331844\_1\_1 21-1098.02 490370, 377000 B 331.04



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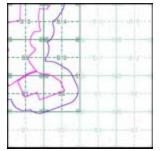
### **Superficial Geology**

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



287331844\_1\_1 21-1098.02 490370, 377000

B 331.04

250



### **Order Details:**

Order Number: Customer Reference: National Grid Reference: Slice: Site Area (Ha):

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

### Site Details:

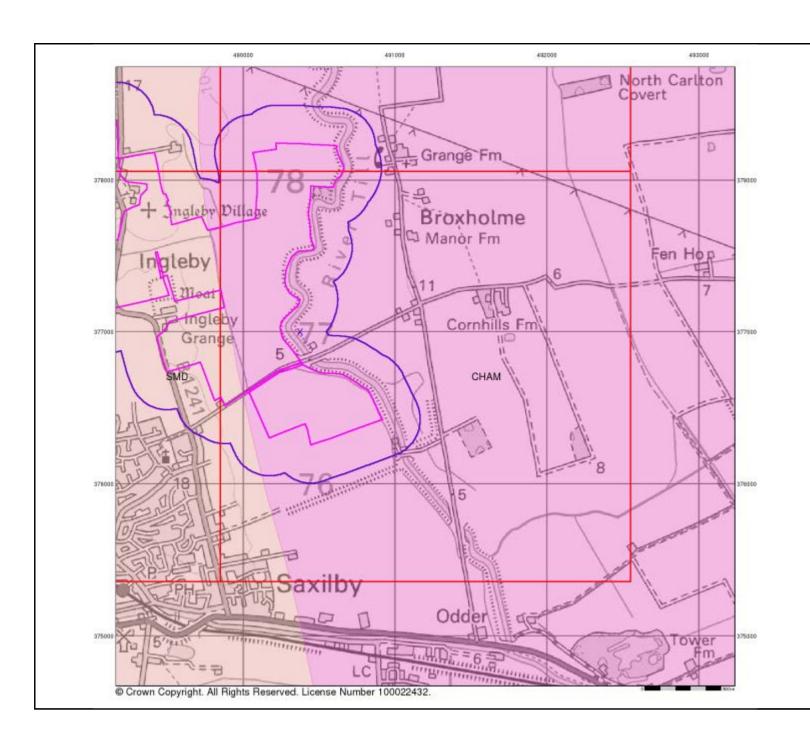
West Burton 2

Landmark

Fel: 0844 844 9952 Fax: 0844 844 9951 Veb: www.envirocheck.c

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#### **Bedrock and Faults**

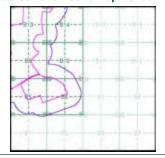
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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):

287331844\_1\_1 21-1098.02 490370, 377000 B 331.04

Site Details:

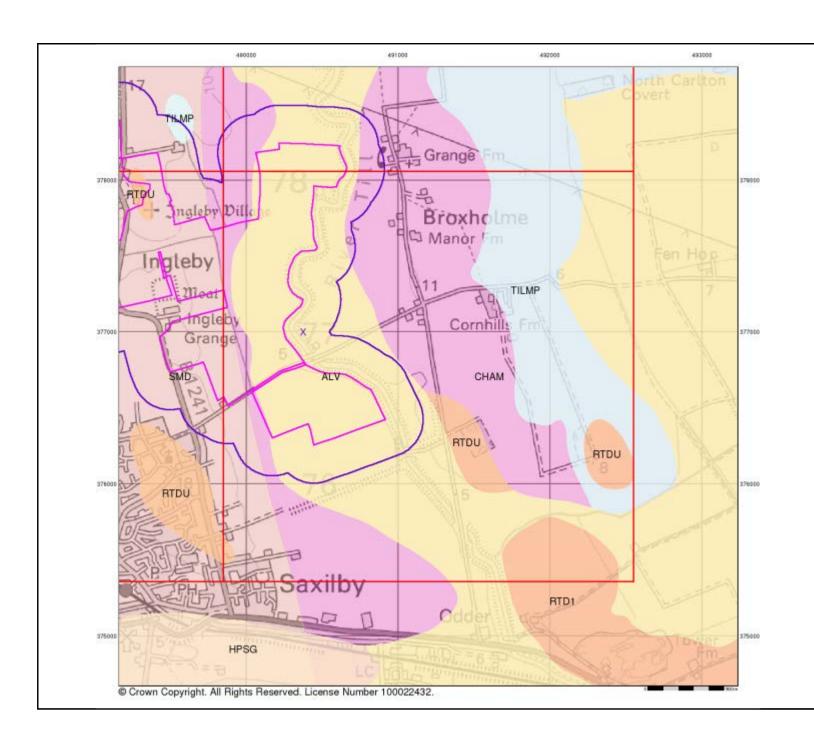
West Burton 2



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### **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.

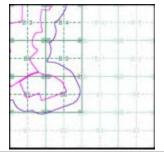
#### **Additional Information**

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**





### **Order Details:**

Order Number: Customer Reference: National Grid Reference:

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

B 331.04

287331844\_1\_1 21-1098.02 490370, 377000

### Site Details:

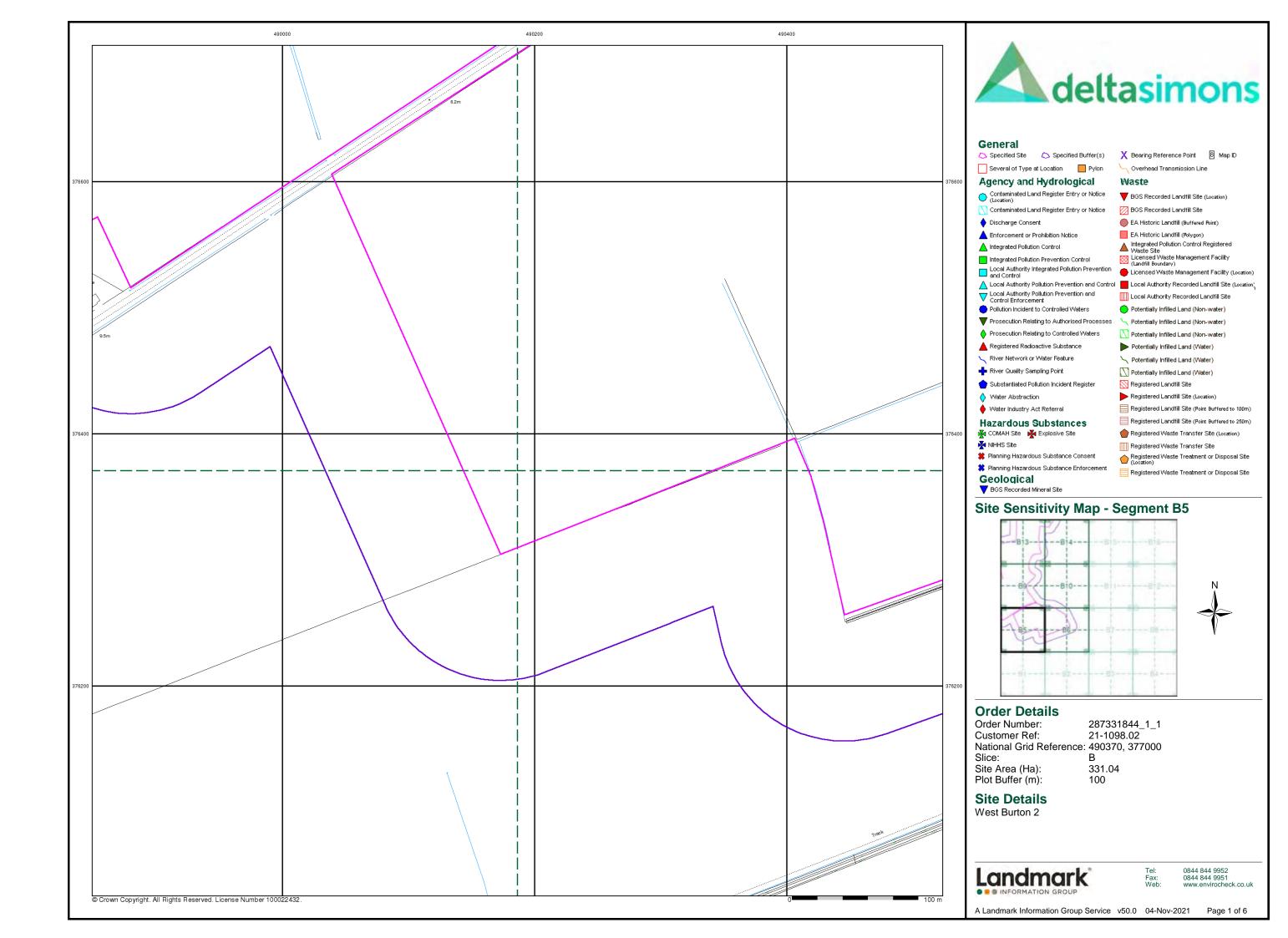
West Burton 2

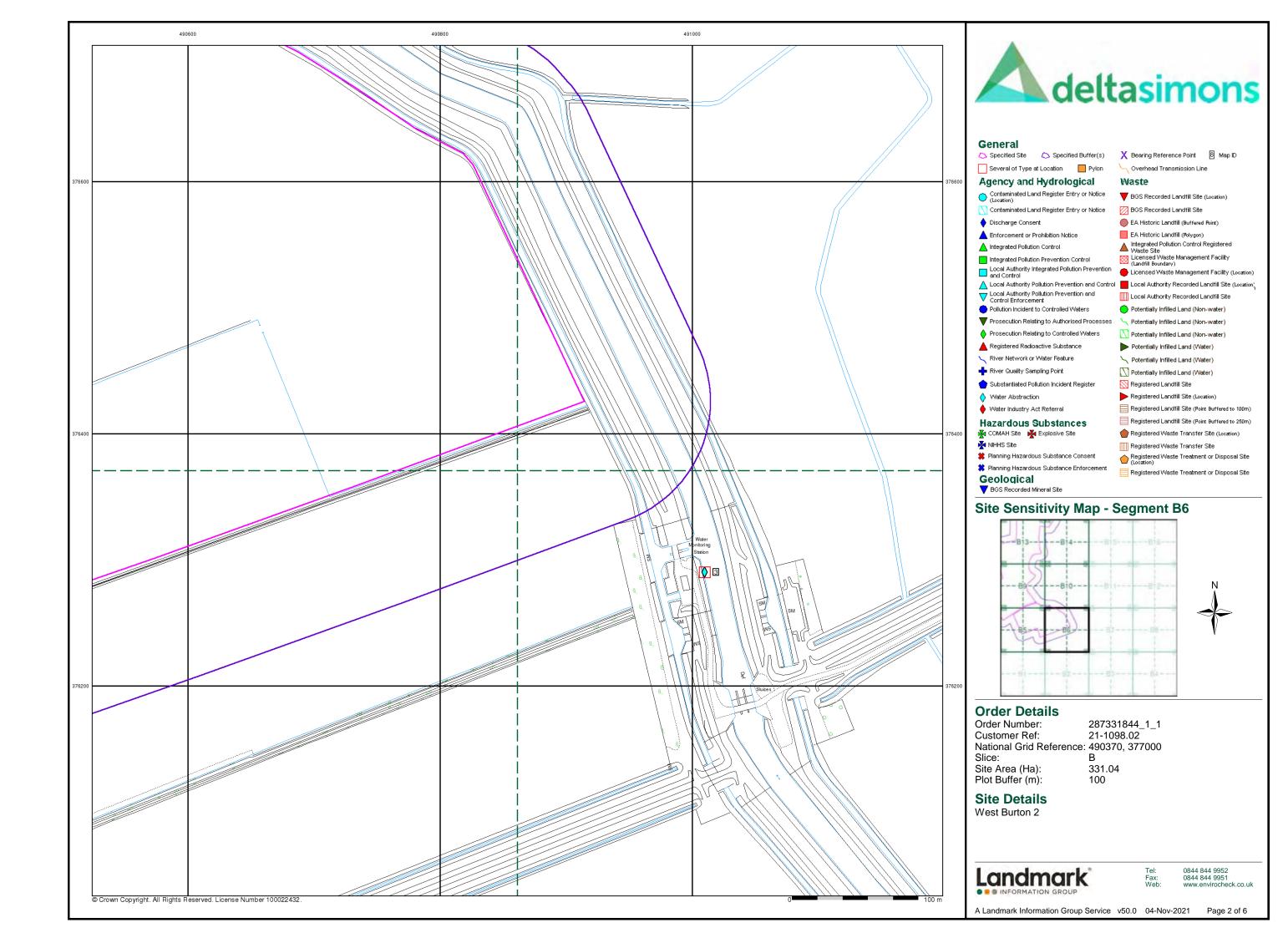


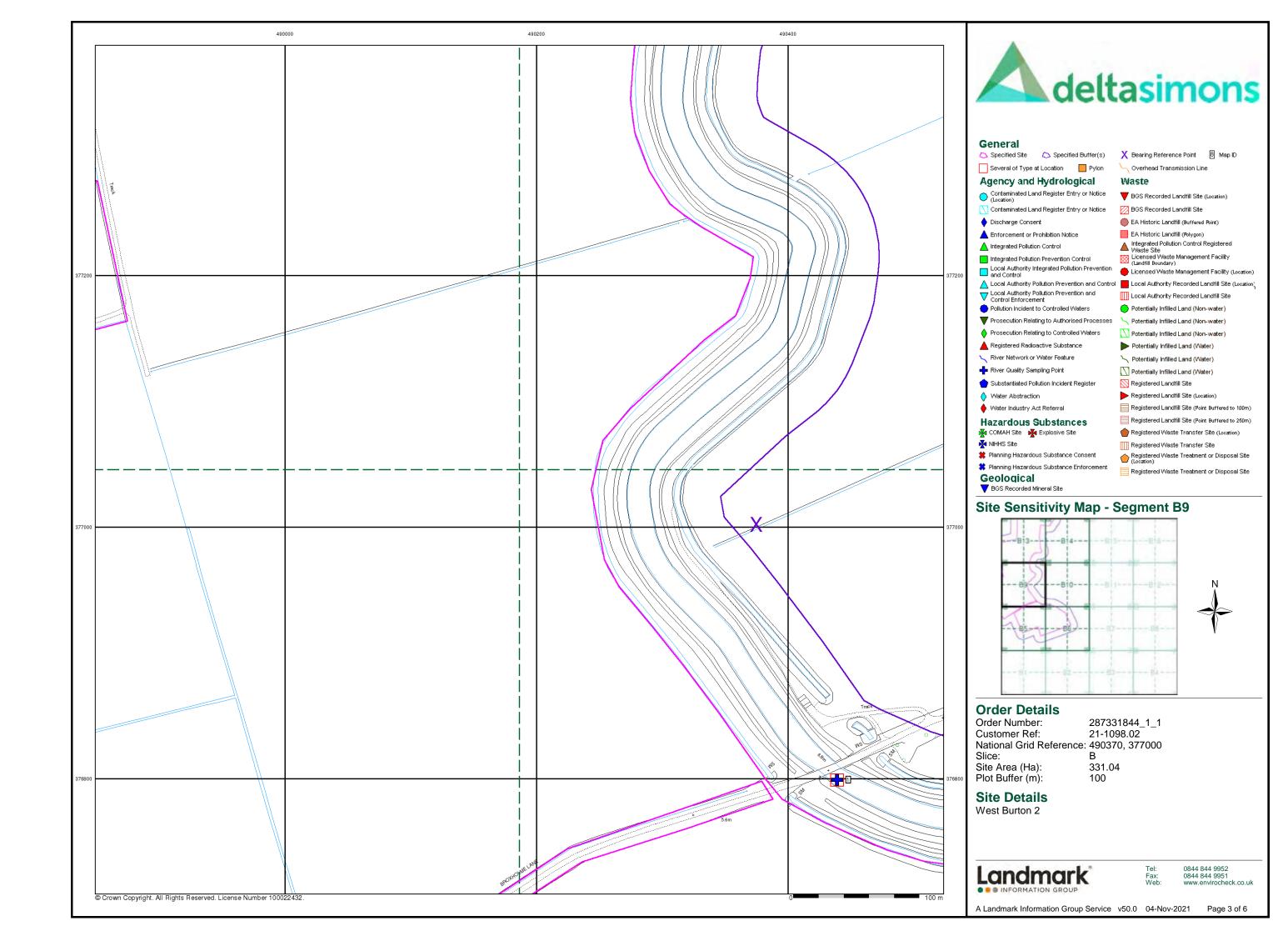
0844 844 9952 0844 844 9951

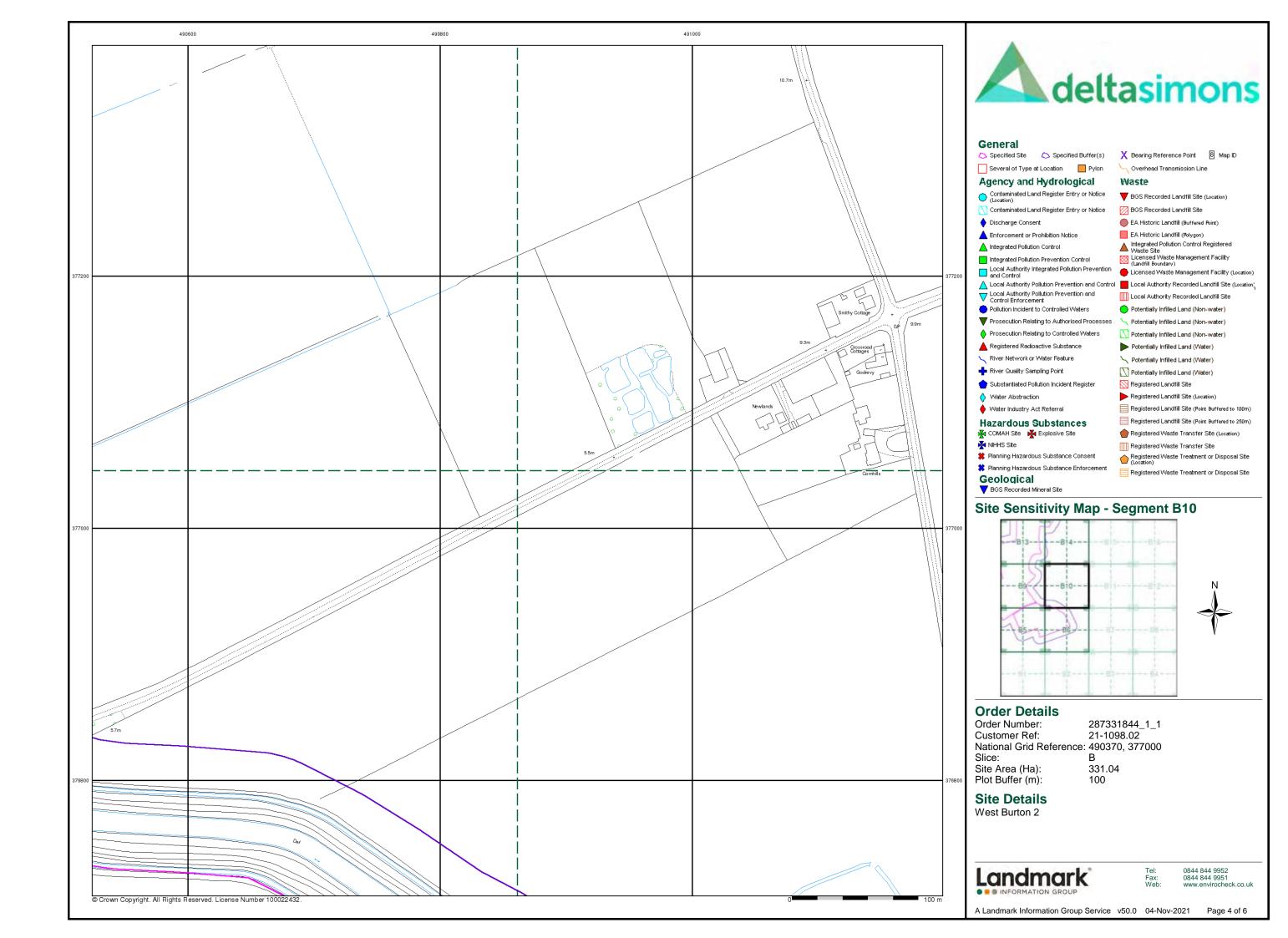
v15.0 04-Nov-2021

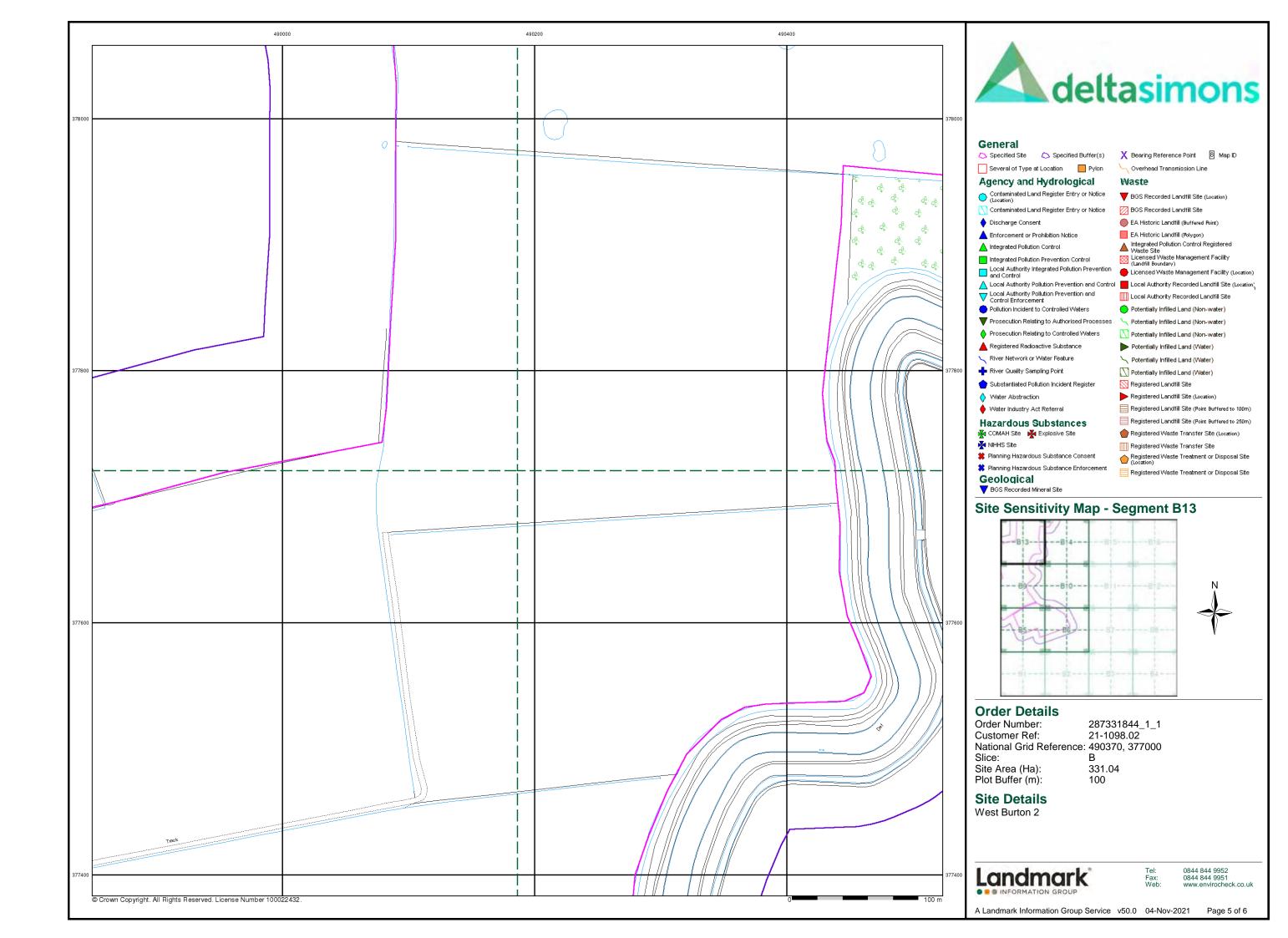
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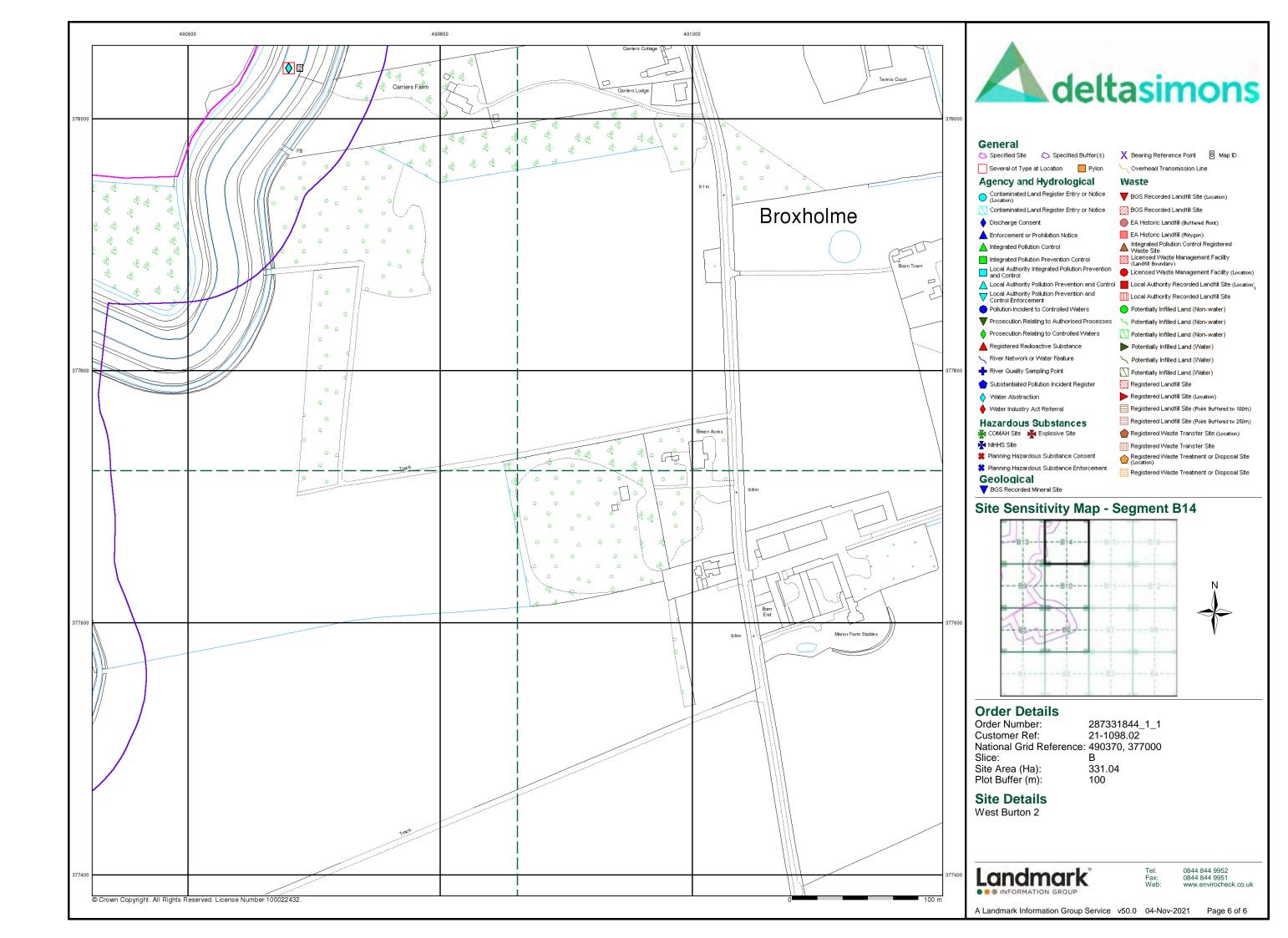


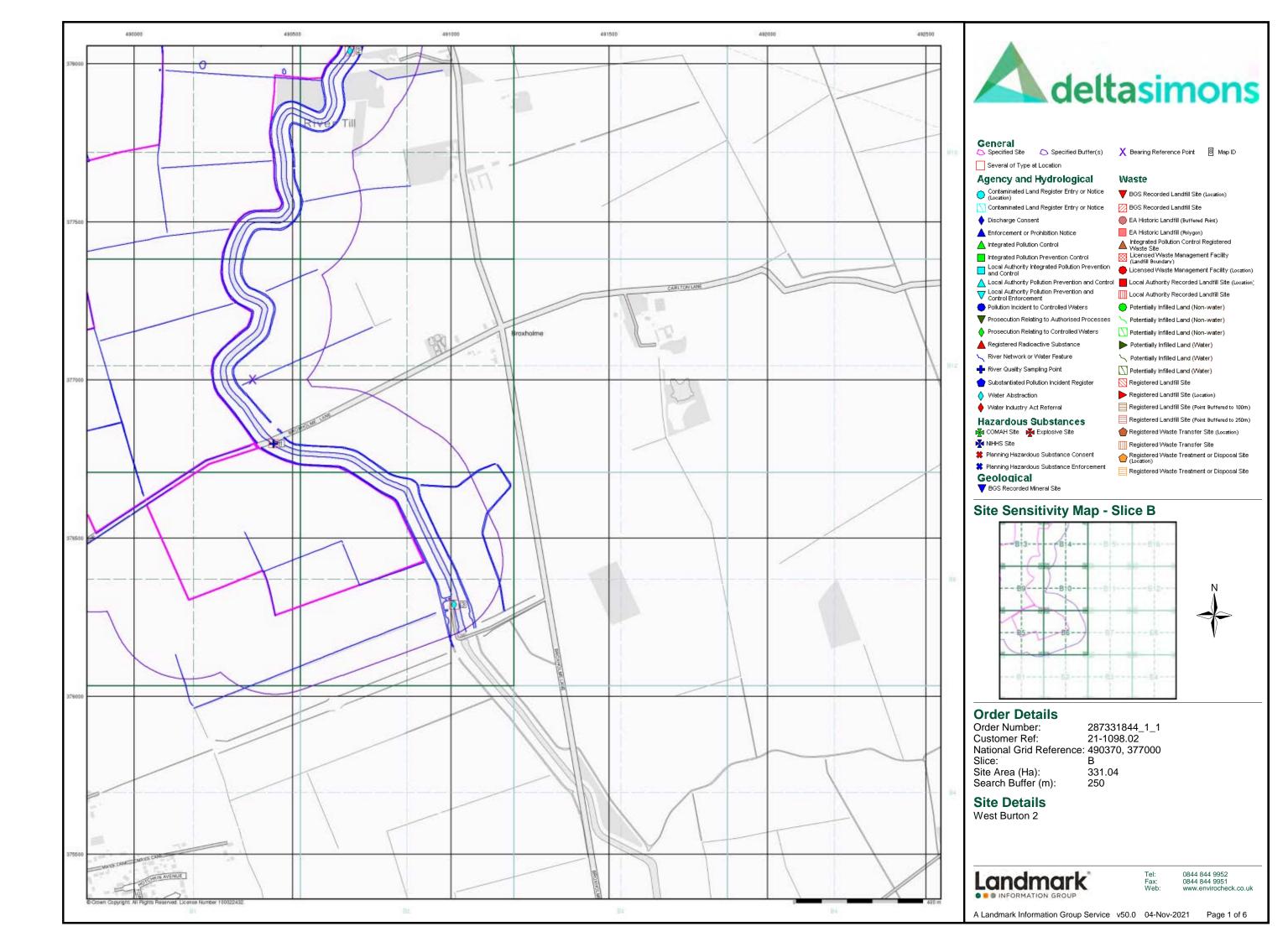


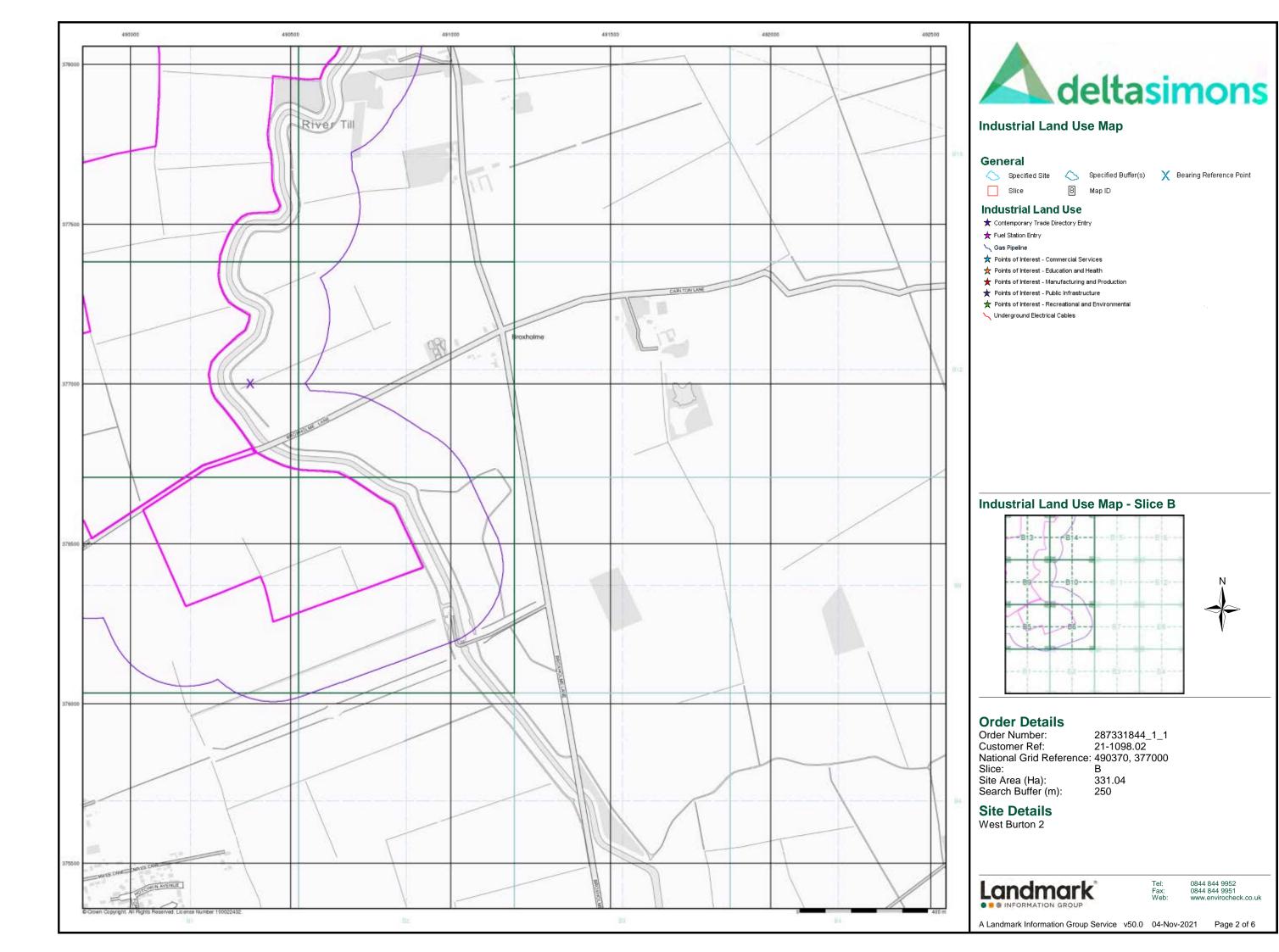


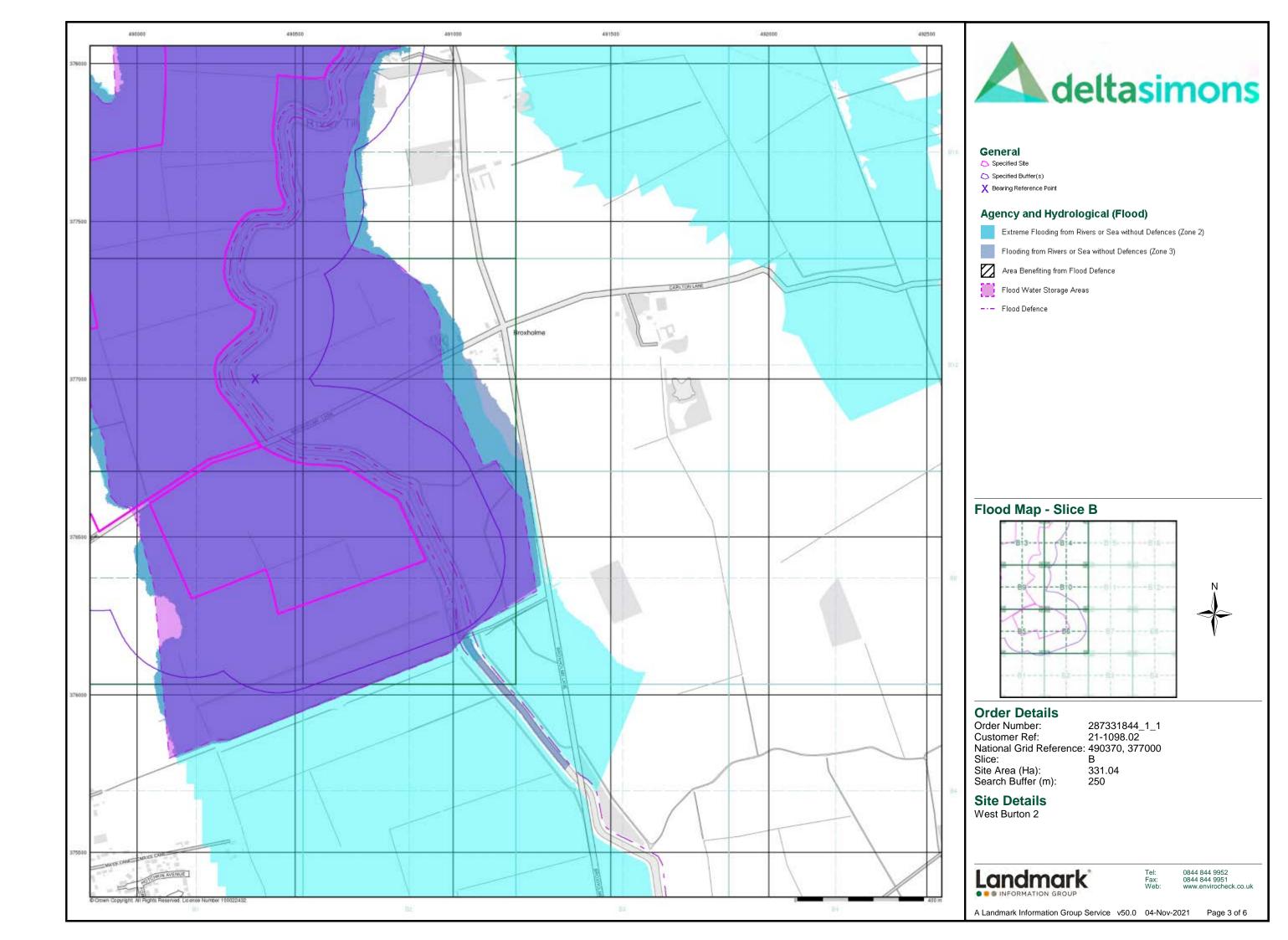


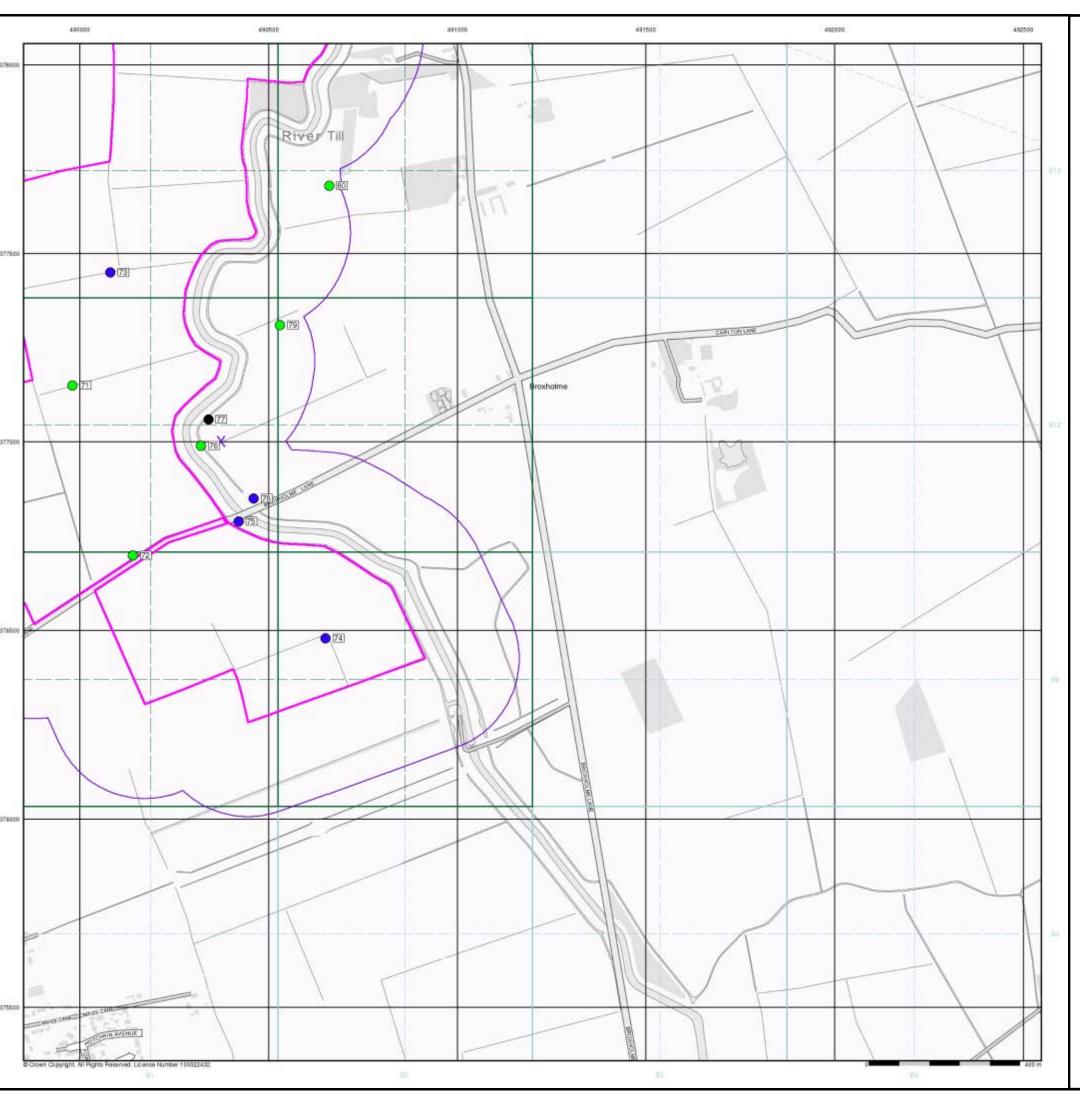














#### General

Specified Site

Specified Buffer(s)

X Bearing Reference Point

8 Map ID

Several of Type at Location

#### Agency and Hydrological (Boreholes)

BGS Borehole Depth 0 - 10m

BGS Borehole Depth 10 - 30m

BGS Borehole Depth 30m +

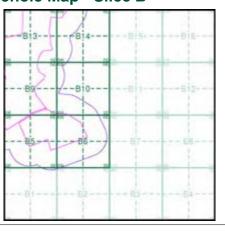
Confidential

Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

### **Borehole Map - Slice B**



#### **Order Details**

Order Number: 287331844\_1\_1
Customer Ref: 21-1098.02
National Grid Reference: 490370, 377000

Slice:

Site Area (Ha): 331.04 Search Buffer (m): 250

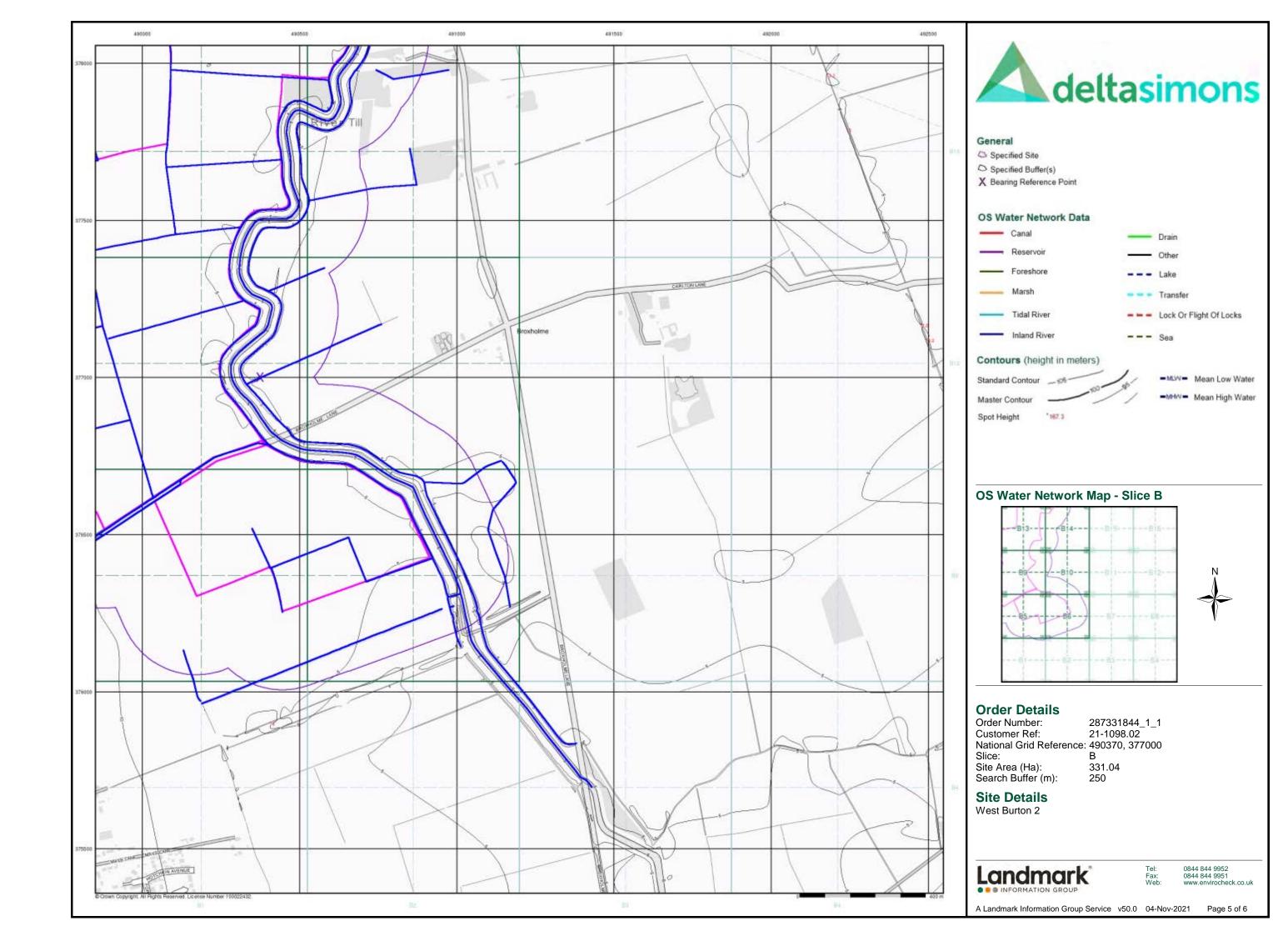
### **Site Details**

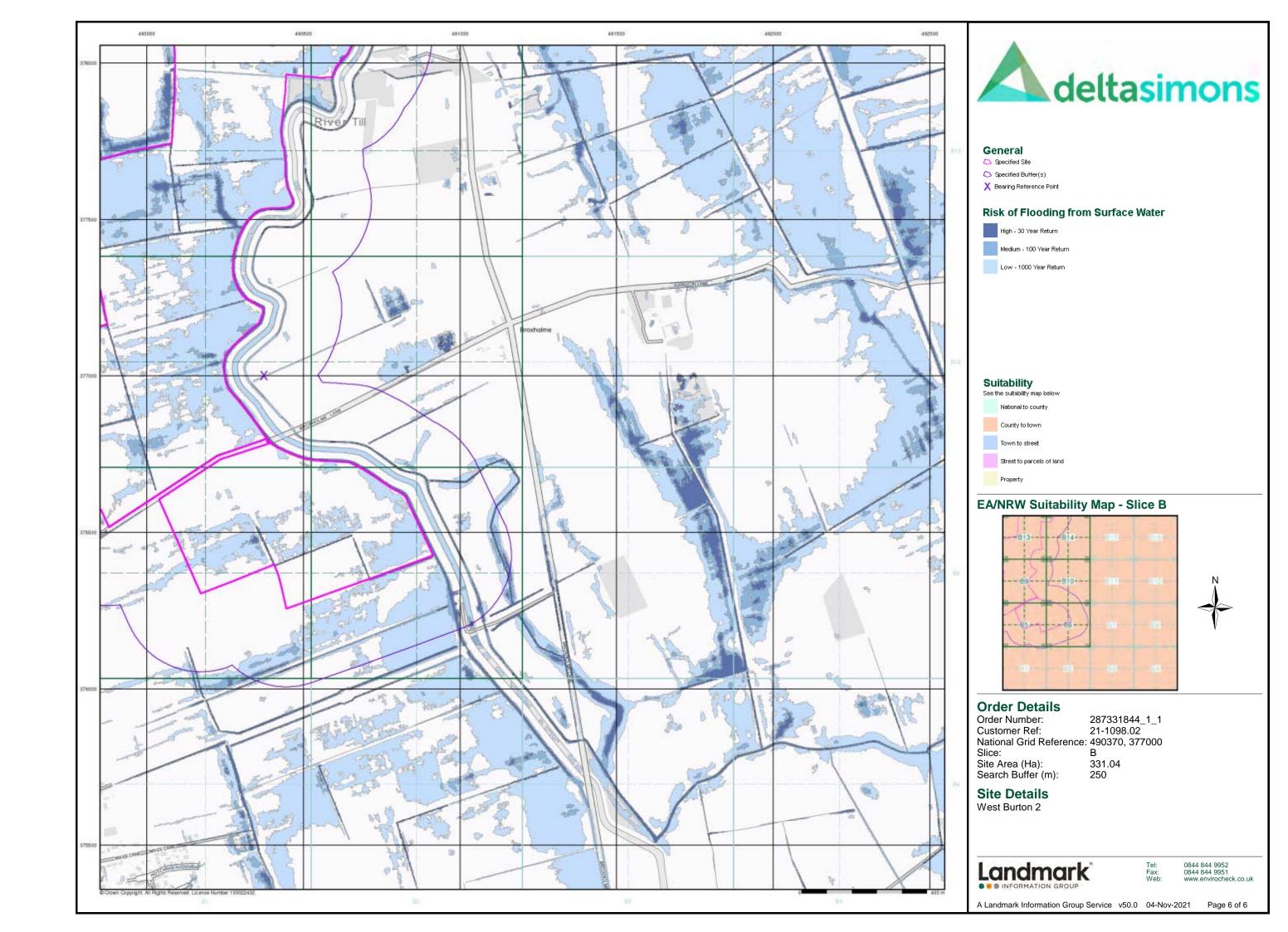
West Burton 2

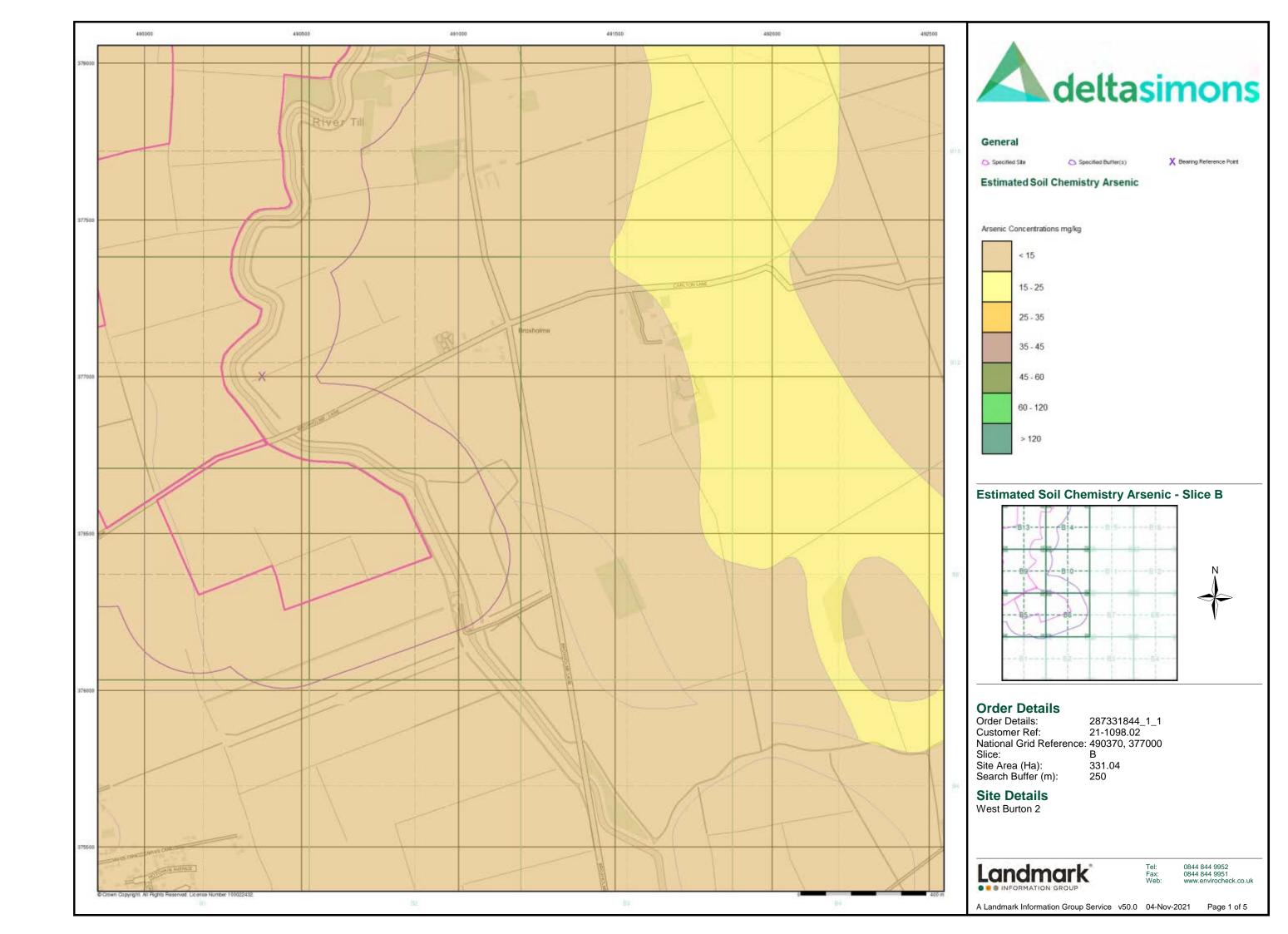


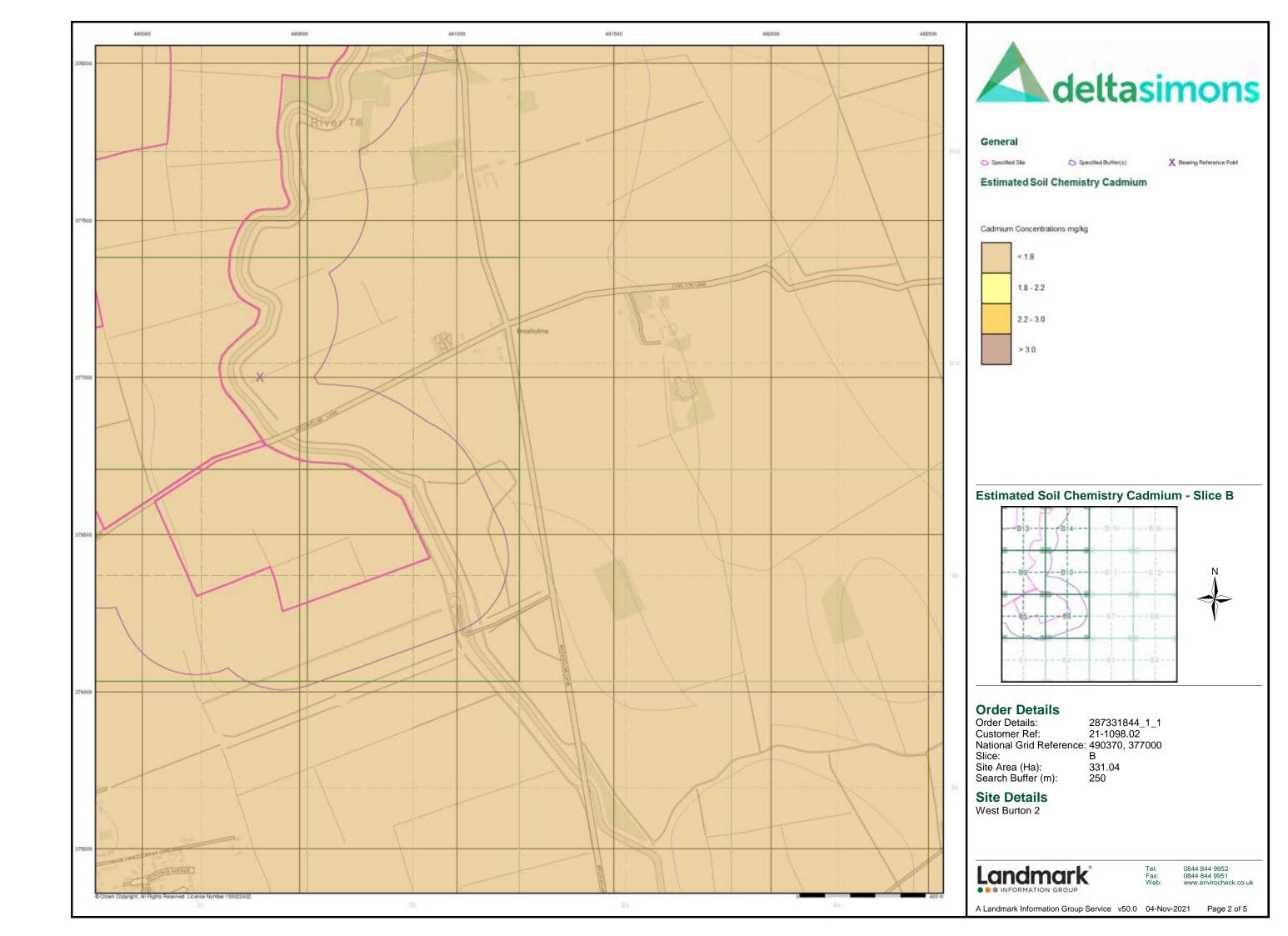
el: 0844 844 9952 ax: 0844 844 9951 Veb: www.envirocheck.co.uk

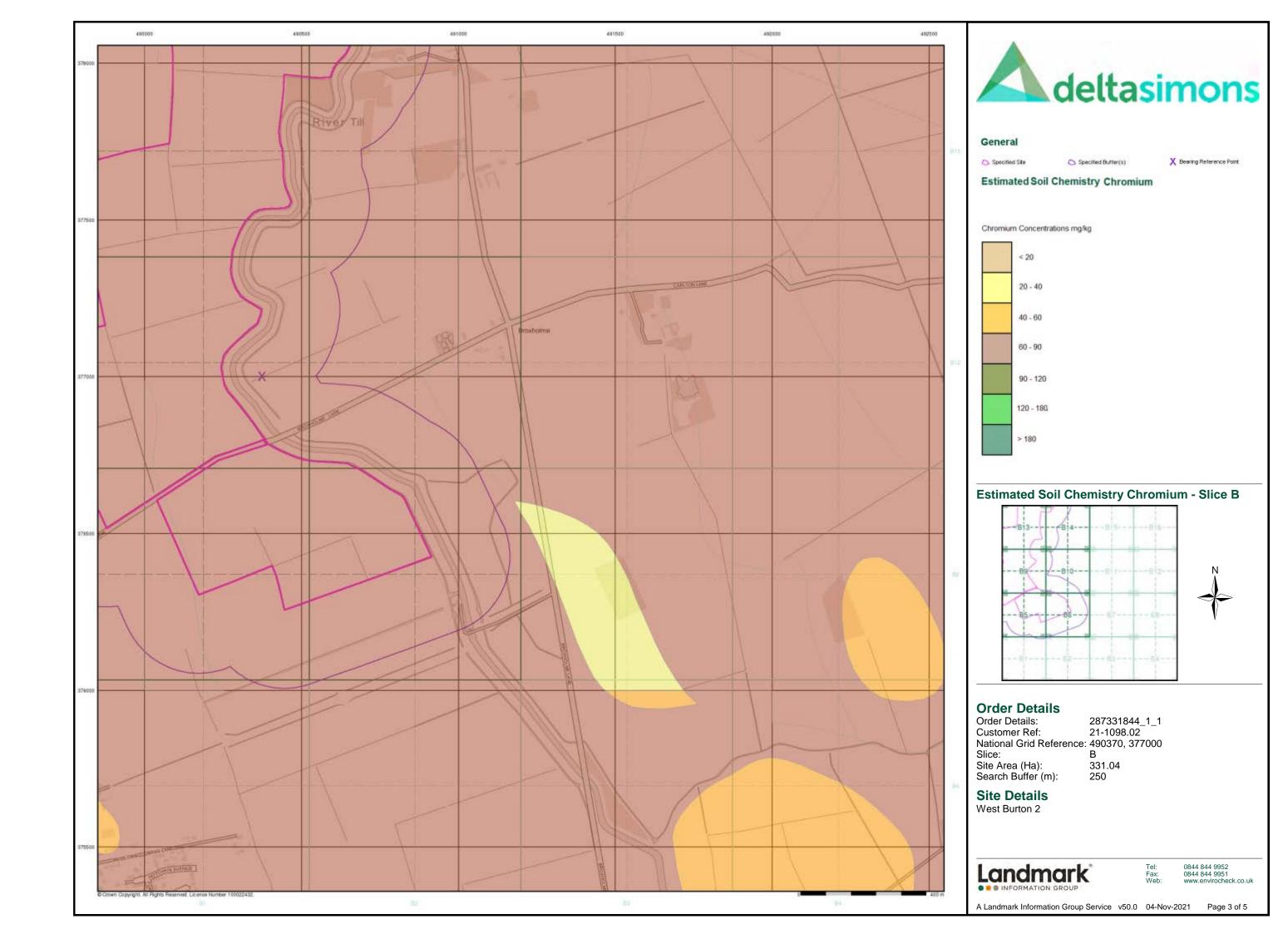
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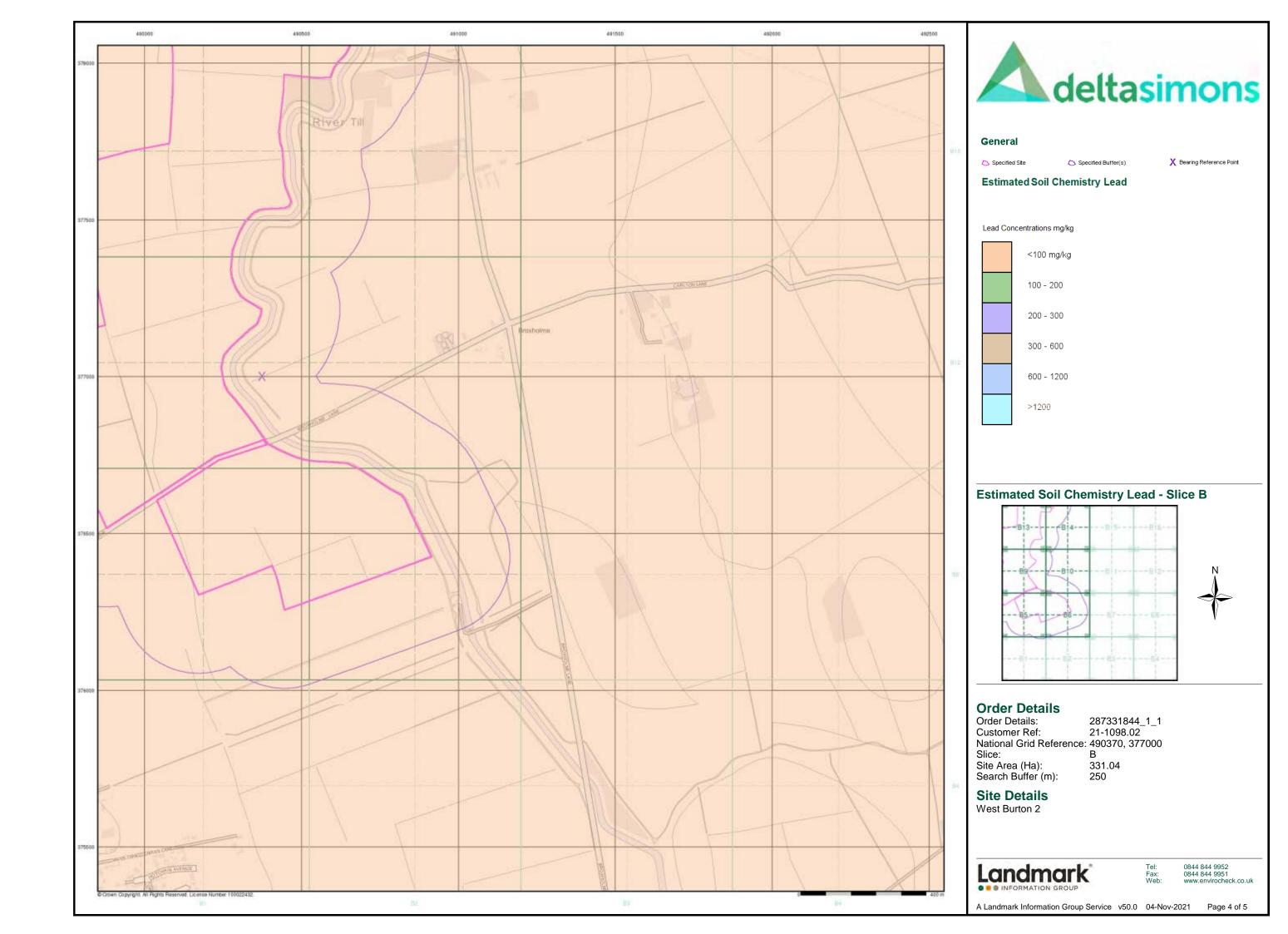


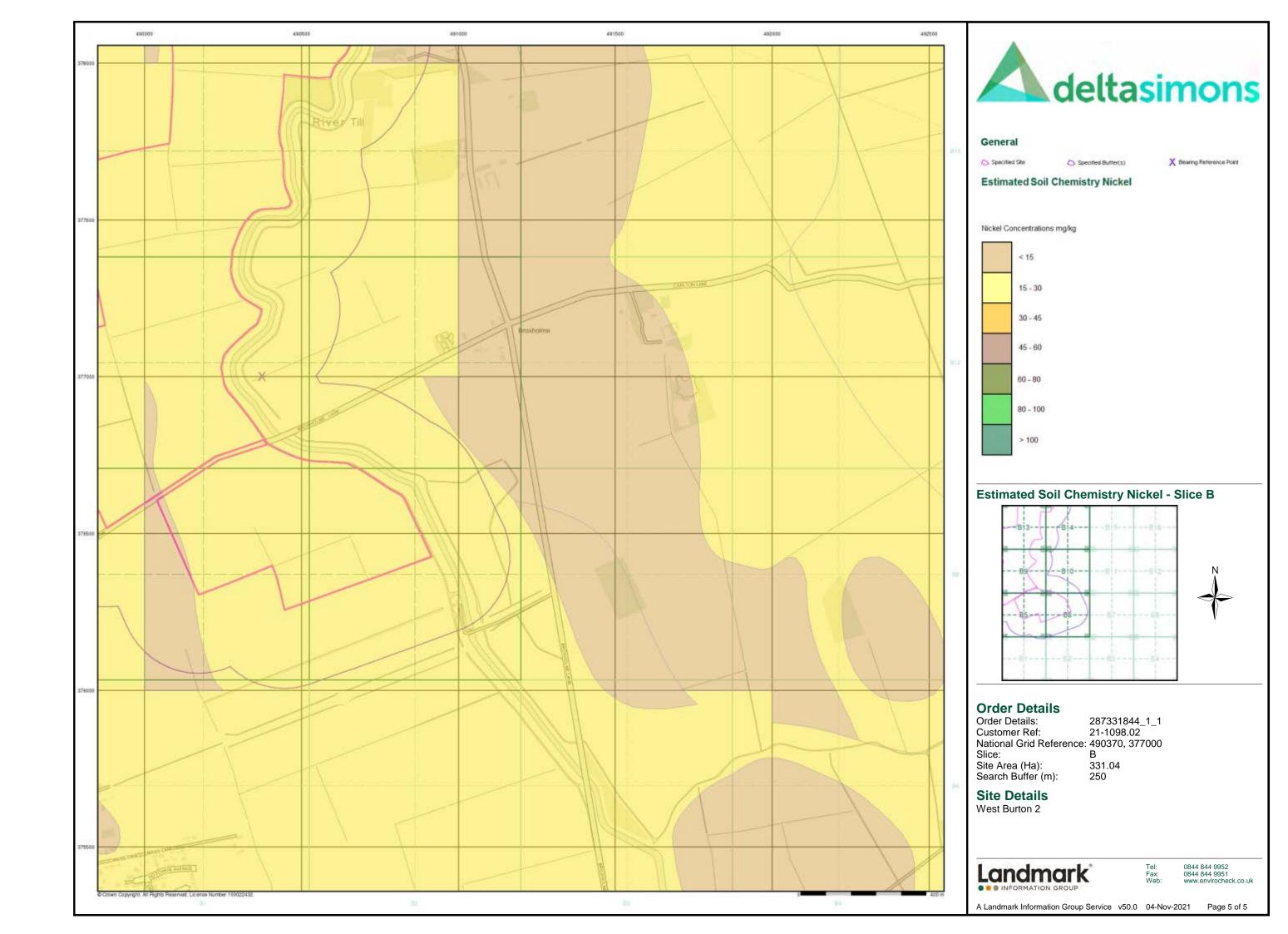


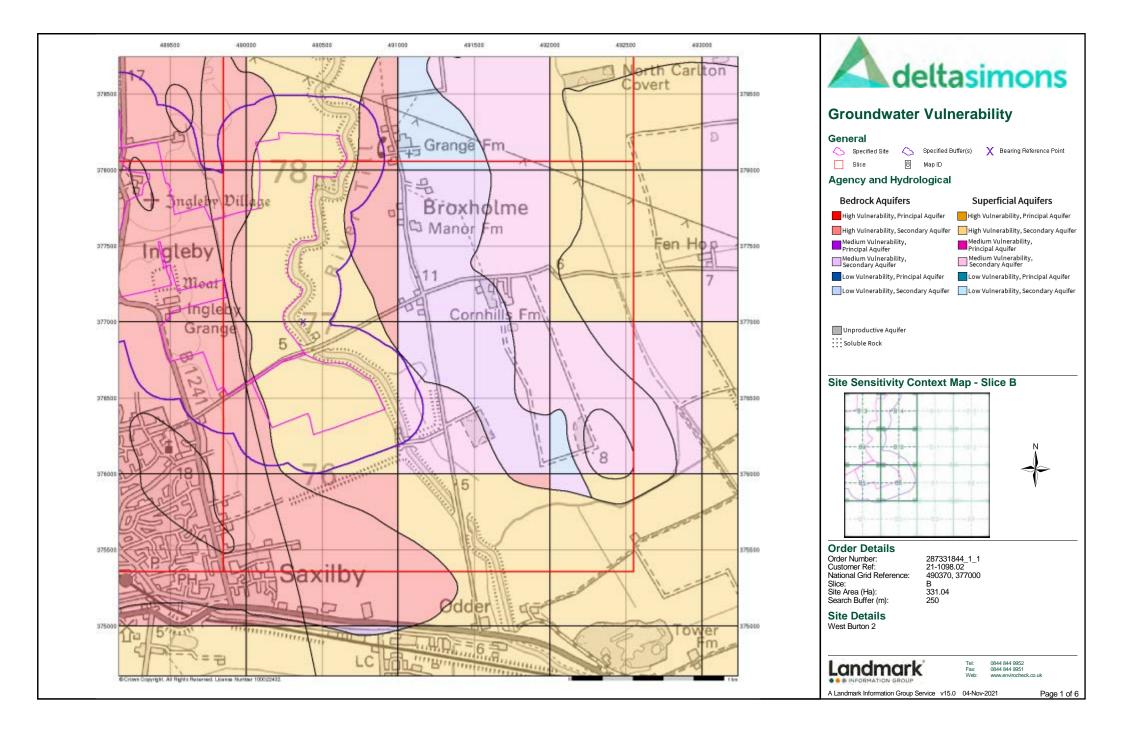


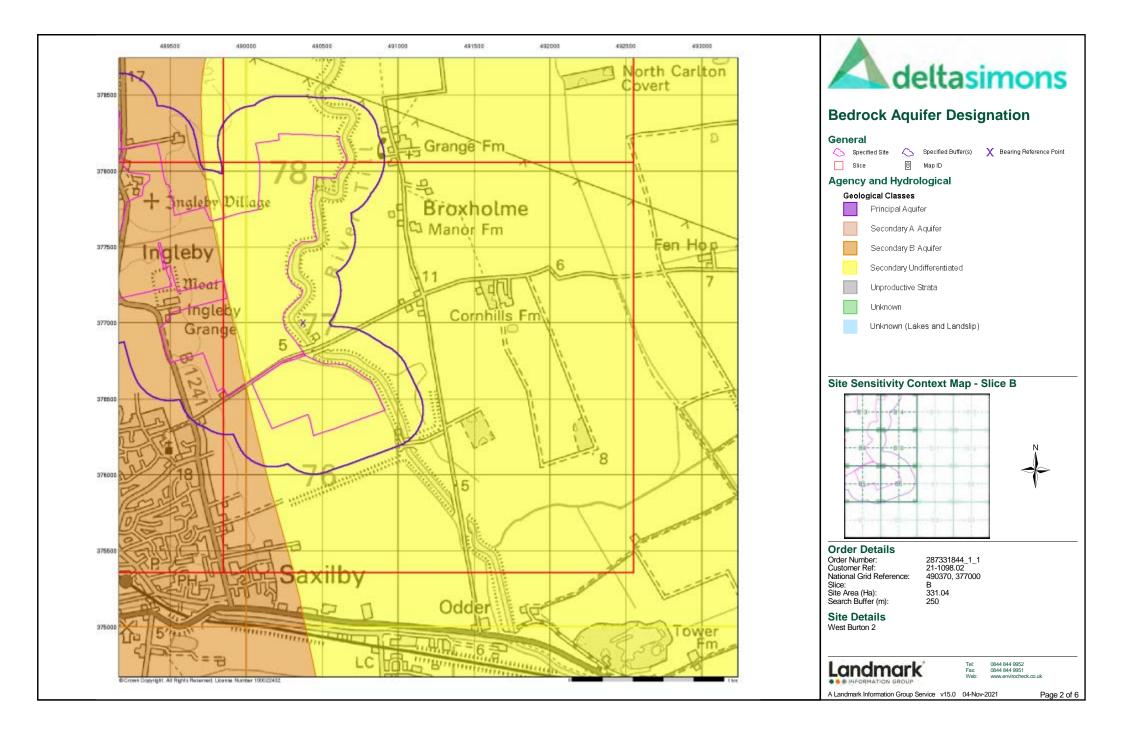


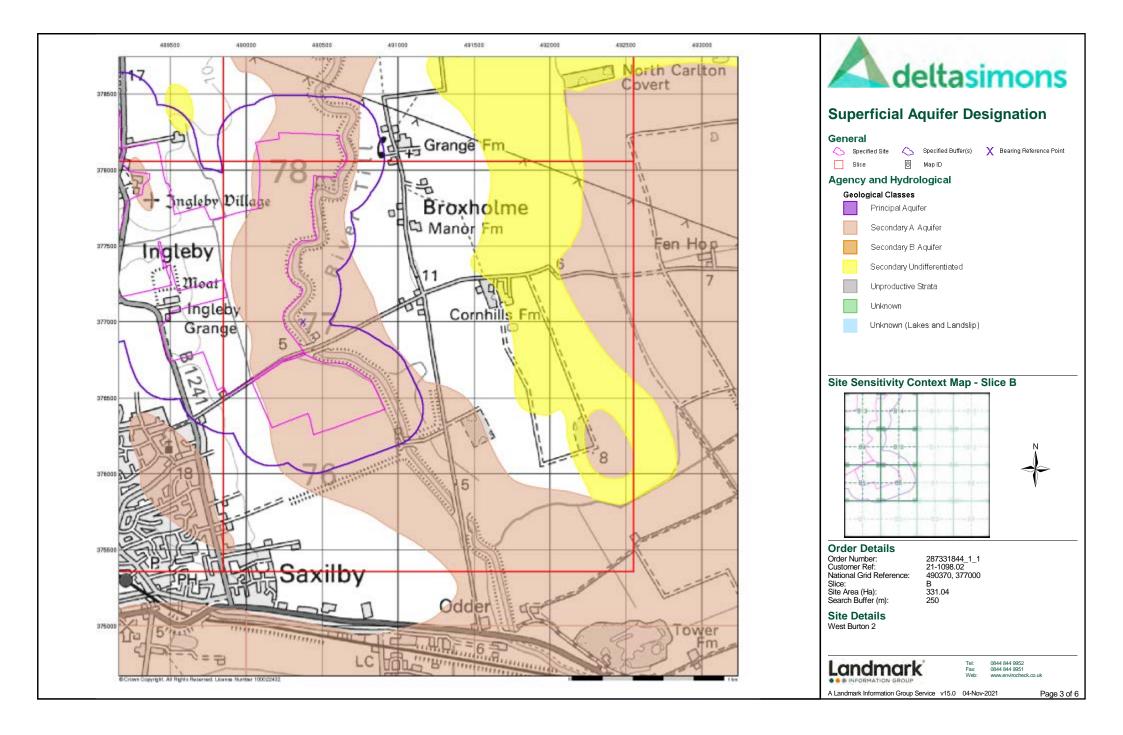


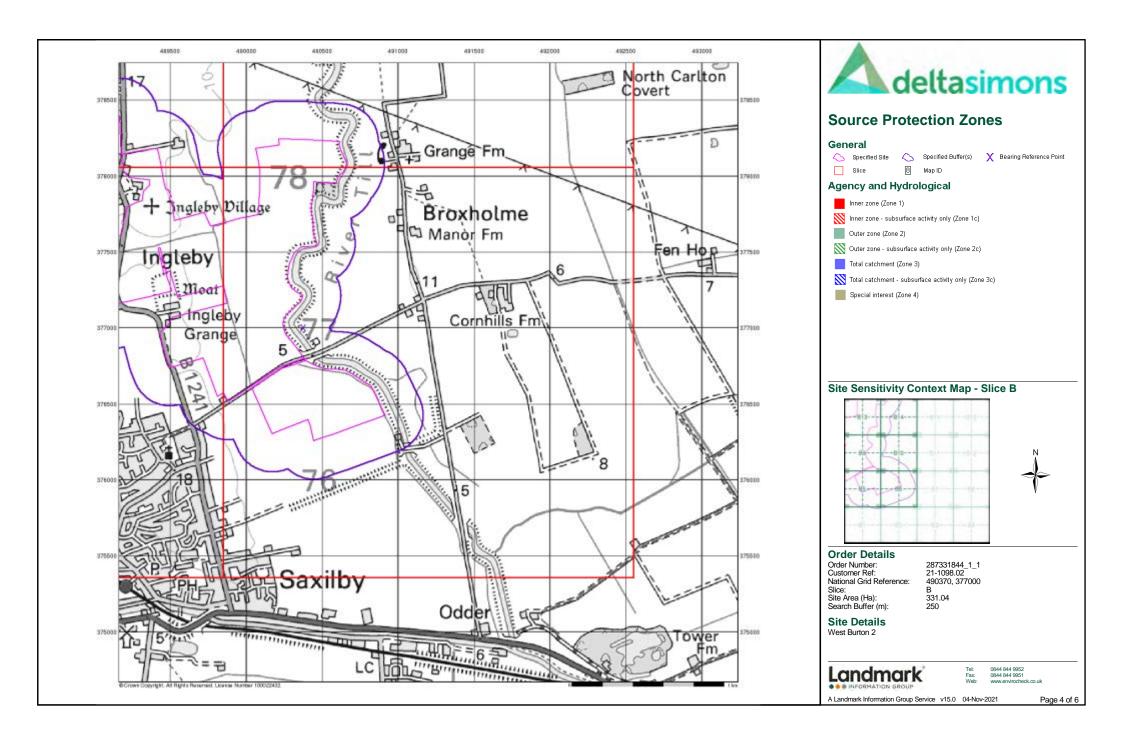


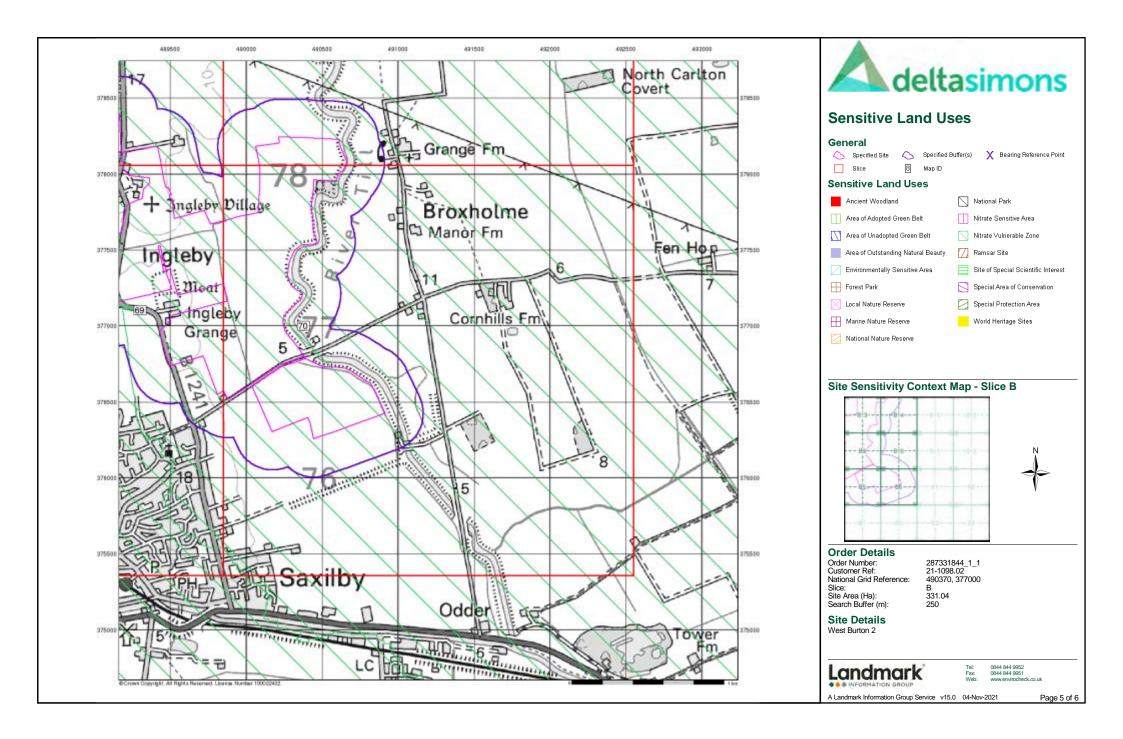


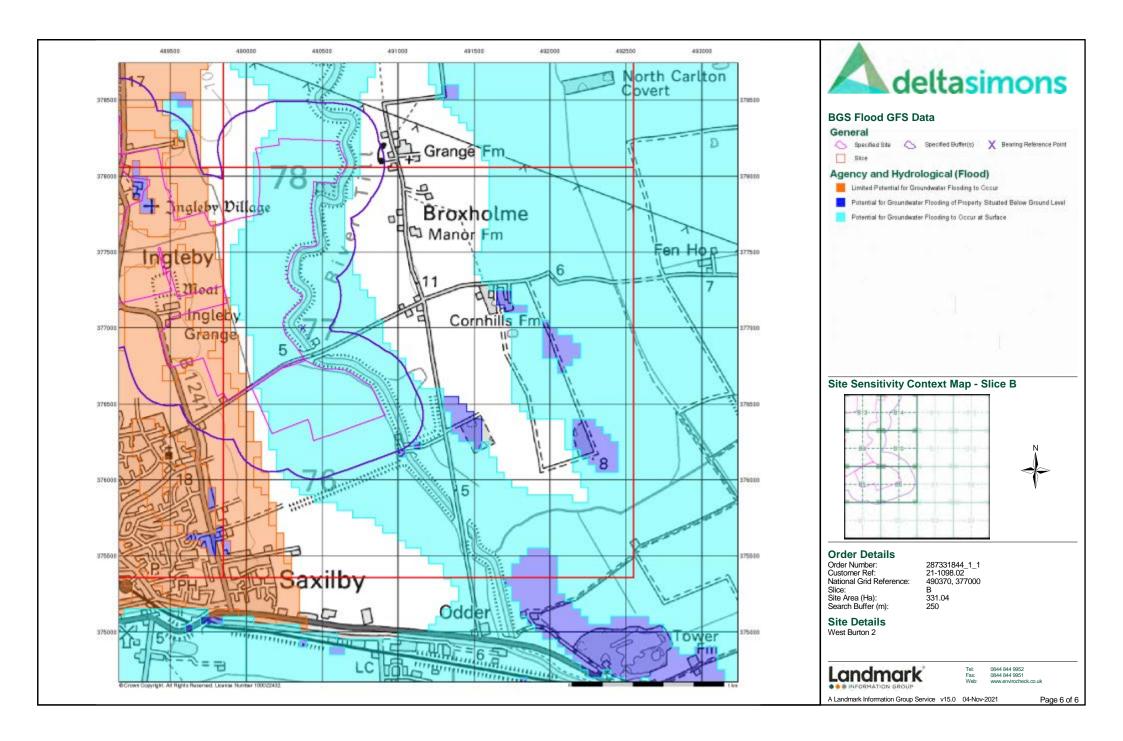














# **Envirocheck® Report:**

## **Datasheet**

### **Order Details:**

Order Number:

287331844\_1\_1

**Customer Reference:** 

21-1098.02

**National Grid Reference:** 

488570, 378350

Slice:

С

Site Area (Ha):

331.04

Search Buffer (m):

250

#### **Site Details:**

West Burton 2

### **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	8
Hazardous Substances	-
Geological	9
Industrial Land Use	11
Sensitive Land Use	12
Data Currency	13
Data Suppliers	18
Useful Contacts	19

#### Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination.

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

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Report Version v53.0



Data Type	Page Number	On Site	0 to 250m (*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 1	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 1	Yes	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a
Groundwater Vulnerability - Local Information			n/a
Bedrock Aquifer Designations	pg 4	Yes	n/a
Superficial Aquifer Designations	pg 5	Yes	n/a
Source Protection Zones			
Extreme Flooding from Rivers or Sea without Defences	pg 5	Yes	
Flooding from Rivers or Sea without Defences			
Areas Benefiting from Flood Defences			
Flood Water Storage Areas			
Flood Defences			
OS Water Network Lines	pg 5	1	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 8	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 9	Yes	n/a
BGS Estimated Soil Chemistry	pg 9	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 9	Yes	
Potential for Compressible Ground Stability Hazards			
Potential for Ground Dissolution Stability Hazards			
Potential for Landslide Ground Stability Hazards	pg 9	Yes	
Potential for Running Sand Ground Stability Hazards	pg 10	Yes	Yes
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 10	Yes	
Radon Potential - Radon Affected Areas			n/a
Radon Potential - Radon Protection Measures			n/a
Industrial Land Use			
Contemporary Trade Directory Entries	pg 11		3
Fuel Station Entries			
Points of Interest - Commercial Services			
Points of Interest - Education and Health			
Points of Interest - Manufacturing and Production	pg 11		2
Points of Interest - Public Infrastructure	pg 11		2
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 12	2	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 Type:	Flooding Susceptibility Limited Potential for Groundwater Flooding to Occur	C3SW (NE)	0	1	488567 378346
	BGS Groundwater Flooding Type:	Flooding Susceptibility Limited Potential for Groundwater Flooding to Occur	C3NE (E)	0	1	488950 378400
	BGS Groundwater Flooding Type:	Flooding Susceptibility Limited Potential for Groundwater Flooding to Occur	C2SE (W)	0	1	488300 378346
	BGS Groundwater Flooding Type:	Flooding Susceptibility Limited Potential for Groundwater Flooding to Occur	(SE)	0	1	489000 377800
	BGS Groundwater Flooding Type:	Flooding Susceptibility  Potential for Groundwater Flooding of Property Situated Below Ground Level	C4SW (E)	0	1	489250 378100
	BGS Groundwater Flooding Type:	Flooding Susceptibility Limited Potential for Groundwater Flooding to Occur	C2NW	0	1	487850
	BGS Groundwater Flooding Type:	Flooding Susceptibility Potential for Groundwater Flooding to Occur at Surface	(W)	0	1	378550 489950
	BGS Groundwater Flooding Type:	Flooding Susceptibility  Potential for Groundwater Flooding to Occur at Surface	(E)	0	1	377650 490000
	BGS Groundwater Flooding Type:	Flooding Susceptibility  Potential for Groundwater Flooding to Occur at Surface	C3NE	56	1	378650 489000
	BGS Groundwater	Flooding Susceptibility	(E)			378500
	Flooding Type:	Potential for Groundwater Flooding of Property Situated Below Ground Level	C3NE (NE)	127	1	489000 378550
	BGS Groundwater Flooding Type:	Flooding Susceptibility  Potential for Groundwater Flooding to Occur at Surface	C4NW (E)	146	1	489450 378400
	<b>BGS Groundwater</b> Flooding Type:	Flooding Susceptibility Potential for Groundwater Flooding of Property Situated Below Ground Level	C3NE (NE)	214	1	489000 378650
	Nearest Surface Wa	ater Feature	C2SW (SW)	0	-	488100 378085
	Groundwater Vulner Combined Classification: Combined Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index: Superficial Patchiness: Superficial Thickness: Superficial Recharge:	Prability Map Secondary Bedrock Aquifer - High Vulnerability High Productive Bedrock Aquifer, Productive Superficial Aquifer Low Well Connected Fractures <300 mm/year 40-70% <90% <3m No Data	C4SW (SE)	0	2	489244 378064
	Groundwater Vulner Combined Classification: Combined Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index: Superficial Patchiness: Superficial Thickness: Superficial Recharge:	Prability Map Secondary Superficial Aquifer - High Vulnerability High Productive Bedrock Aquifer, Productive Superficial Aquifer High Poorly Connected Fractures <300 mm/year >70% <90%  High	(E)	0	2	490000 378643

Order Number: 287331844\_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
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	(E)	0	2	489730 378000
	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				
	Groundwater Vulne	• •	,			100
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	(E)	0	2	490000 378000
	Combined Vulnerability:	High				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, No Superficial Aquifer High				
	Bedrock Flow: Dilution:	Poorly Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	>70% <90%				
	Patchiness: Superficial	<3m				
	Thickness: Superficial	High				
	Recharge:					
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	(SE)	0	2	489943 377572
	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 Classification:	Secondary Bedrock Aquifer - High Vulnerability	(SE)	0	2	489235 378000
	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:	no bala				



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined	Secondary Superficial Aquifer - High Vulnerability	(E)	0	2	490041
	Classification: Combined	High				378000
	Vulnerability: Combined Aquifer:	Productive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	High Poorly Connected Fractures				
	Dilution:	<300 mm/year				
	Baseflow Index:	>70%				
	Superficial Patchiness:	<90%				
	Superficial	<3m				
	Thickness:					
	Superficial Recharge:	High				
	Groundwater Vulne	•				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	(E)	0	2	490000 378346
	Combined	High				
	Vulnerability: Combined Aquifer:	Productive Bedrock Aquifer, No Superficial Aquifer				
	Pollutant Speed:	High				
	Bedrock Flow:	Poorly Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year >70%				
	Superficial	<90%				
	Patchiness:					
	Superficial	<3m				
	Thickness: Superficial	High				
	Recharge:	Tigh				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	C3SE (E)	0	2	489000 378346
	Combined	High	(=)			070010
	Vulnerability:	-				
	Combined Aquifer: Pollutant Speed:	Productive Bedrock Aquifer, No Superficial Aquifer Low				
	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					
	Combined Classification:	Secondary Bedrock Aquifer - High Vulnerability	C2SW (W)	0	2	488000
	Combined	High	(vv)			378346
	Vulnerability:					
	Combined Aquifer:	Productive Bedrock Aquifer, No Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	Low Well Connected Fractures				
	Dilution:	<300 mm/year				
	Baseflow Index:	40-70%				
	Superficial	<90%				
	Patchiness: Superficial	<3m				
	Thickness:					
	Superficial	No Data				
	Recharge:					



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Classification: Combined Violanceability Violanceability Violanceability Violanceability Violanceability Violanceability Violanceability Violanceability Violanceability Violanceability Violanceability Violanceability Violanceability Combined Scoondary Bedrock Aquifer - High Vulnerability Combined Violanceability Combined Combined Violanceability Violanceability Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combined Combi	ар О		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
Classification: Combined Aguiler: Combined Aguiler: Productive Bedrock Aquifer, No Supericial Aquifer Bedrock Plow: Bedrock Plow: Vel Connected Finctures 4-070% Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothrass: Supericial Rothr		Groundwater Vulne	erability Map				
Combined High Voluntability Productive Bedrock Aquifer, No Superficial Aquifer Pollularia Speed: Productive Bedrock Aquifer, No Superficial Aquifer Pollularia Speed: Low Omerand Fractures Superficial Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Commit			Secondary Bedrock Aquifer - High Vulnerability		0	2	488567
Voluntariality: Combined Aquiller Pirculative Bedrock Aquiller - High Vulnerability Combined Aquiller Special Superficial Thickness: Superficial Commined Aquiller Productive Bedrock Aquiller - High Vulnerability Combined Aquiller Vulnerability: Combined Aquiller Productive Bedrock Aquiller - High Vulnerability Ordinariality: Combined Aquiller Productive Bedrock Aquiller - High Vulnerability Ordinariality: Combined Aquiller Productive Bedrock Aquiller - High Vulnerability Ordinariality: Combined Aquiller Productive Bedrock Aquiller - High Vulnerability Ordinariality: Combined Aquiller Productive Bedrock Aquiller - High Vulnerability Ordinariality: Combined Aquiller Productive Bedrock Aquiller - High Vulnerability Ordinariality: Combined Aquiller Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordinarial Ordi			Llink	(NE)			378346
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Pollution Speed: Low Vield Connected Fractures Abdomn's Vield Connected Fractures Combined Activities: Superficial 490% Patchiness: Superficial 490% Patchiness: Superficial 590% Patchiness: Superficial 690% Patchiness:			Productive Bedrock Aguifer, No Superficial Aguifer				
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Patchiness: Superficial <3m Thickness: Superficial No Data Recharge:  Groundwater Vulnerability - Soluble Rock Risk None  Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  C4SE 0 2 48970 (E) 37836  Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  Endown Aquifer Designation: Secondary Aquifer - Undifferentiated  Bedrock Aquifer Designation: Secondary Aquifer - Undifferentiated  Endown Aquifer Designation: Secondary Aquifer - Undifferentiated  Bedrock Aquifer Designations							
Superficial Thickness: Superficial No Data Recharge:  Groundwater Vulnerability - Soluble Rock Risk None  Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  Bedrock Aquifer Designations Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  Editor Designation: Secondary Aquifer - Undifferentiated			3070				
Thickness: Superficial No Data Recharge:  Groundwater Vulnerability - Soluble Rock Risk None  Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  C4SE 0 2 48970 (E) 37836  Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  (E) 0 2 49000 37834			<3m				
Recharge:  Groundwater Vulnerability - Soluble Rock Risk None  Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  C4SE 0 2 48970 (E) 37836  Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  (E) 0 2 49000 378344  Bedrock Aquifer Designations		Thickness:					
Groundwater Vulnerability - Soluble Rock Risk None  Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  C4SE (E) 0 2 48970(E) 37836  Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  (E) 0 2 49000(37834)  Bedrock Aquifer Designations			No Data				
None  Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  C4SE 0 2 48970 (E) 37836  Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  (E) 0 2 49000 37834  Bedrock Aquifer Designations	-	-	erability - Soluble Rock Risk				
Aquifer Designation: Secondary Aquifer - Undifferentiated  C4SE (E)  Bedrock Aquifer Designations  Aquifer Designation: Secondary Aquifer - Undifferentiated  (E)  2 489700 37836  (E)  2 49000 37834  Bedrock Aquifer Designations			<b>2</b>				
Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  (E) 0 2 490000 378344  Bedrock Aquifer Designations		Bedrock Aquifer De	esignations				
Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated  (E) 0 2 49000 37834  Bedrock Aquifer Designations		Aquifer Designation:	Secondary Aquifer - Undifferentiated		0	2	48970
Aquifer Designation: Secondary Aquifer - Undifferentiated (E) 0 2 49000 378340  Bedrock Aquifer Designations		Bedrock Aquifer De	esignations	(⊏)			31836
Bedrock Aquifer Designations		=	<del>-</del>	(E)	0	2	490000
		Rodrock Aquifor Da	ocianations				37834
		=	<del>-</del>	C3SW	0	2	48856



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(SE)	0	2	489943 377572
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(E)	0	2	490000 378643
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	C4SW (SE)	0	2	489244 378064
	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	C2SW (W)	0	3	488124 378212
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None Flood Defences				
1	None  OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 483.5  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	C2SW (W)	0	4	488075 378316
2	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 516.7  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C3SE (SE)	1	4	488939 378072
3	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 583.7  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C3SW (E)	2	4	488722 378386
4	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 201.3  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	C2NE (NW)	4	4	488249 378493
5	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 332.9  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	C2NW (W)	6	4	488051 378474
6	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 241.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	C2NE (NW)	10	4	488251 378495



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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: Trent Primacy: 1	(W)	21	4	487564 378034
8	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 448.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C4SE (E)	73	4	489614 378336
9	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 46.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	C3SW (SE)	84	4	488752 378191
10	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 262.6 Watercourse Level: On ground surface True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C4SE (E)	194	4	489605 378228
11	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 110.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C4SE (E)	195	4	489592 378342
12	OS Water Network Lines  Watercourse Form: Lake Watercourse Length: 5.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C4SE (E)	220	4	489554 378352
13	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 49.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C4SE (E)	225	4	489555 378357
14	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 2.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C4SE (E)	238	4	489590 378342
15	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 13.4  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C4SE (E)	239	4	489592 378342



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 9.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C4SE (E)	246	4	489605 378338
	OS Water Network Lines				
17	Watercourse Form: Inland river Watercourse Length: 426.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Primacy: 1	C2NE (NW)	246	4	488264 378731

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### **Waste**

Map ID	Details		Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage				
	Name: West Lindsey District Council - Has no landfill data to supply		0	5	488567 378346
	Local Authority Landfill Coverage				
	Name: Lincolnshire County Council - Had landfill data but passed it to the relevant environment agency		0	6	488567 378346

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Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Description:	d Geology Lias Group	C3SW (NE)	0 1	488567 378346	
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel	British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg <1.8 mg/kg 90 - 120 mg/kg	C3SW (NE)	0	1	488567 378346
	Concentration:  BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	Chemistry  British Geological Survey, National Geoscience Information Service Rural Soil <15 mg/kg <1.8 mg/kg 60 - 90 mg/kg	C3SE (E)	0	1	489000 378346
	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 40 - 60 mg/kg	C4SW (SE)	0	1	489244 378064
	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 40 - 60 mg/kg	C3NE (E)	74	1	488999 378515
	BGS Measured Urba No data available	an Soil Chemistry				
	BGS Urban Soil Che No data available Coal Mining Affecte					
	_	not be affected by coal mining				
	Potential for Collaps Hazard Potential: Source:	sible Ground Stability Hazards Very Low British Geological Survey, National Geoscience Information Service	C3SW (NE)	0	1	488567 378346
	Potential for Compr Hazard Potential: Source:	essible Ground Stability Hazards No Hazard British Geological Survey, National Geoscience Information Service	C3SW (NE)	0	1	488567 378346
_	Potential for Ground Hazard Potential: Source:	d Dissolution Stability Hazards No Hazard British Geological Survey, National Geoscience Information Service	C3SW (NE)	0	1	488567 378346
	Potential for Landsl Hazard Potential: Source:	ide Ground Stability Hazards  Very Low  British Geological Survey, National Geoscience Information Service	C3SW (NE)	0	1	488567 378346



# **Geological**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards					
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	C3SW (NE)	0	1	488567 378346
	Potential for Runni	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	C4SW (SE)	0	1	489244 378064
	Potential for Runni	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	C3NE (E)	74	1	488999 378515
	Potential for Runni	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	C4NW (E)	153	1	489470 378434
	Potential for Shrink	ring or Swelling Clay Ground Stability Hazards				
	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	C3SW (NE)	0	1	488567 378346
	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).	C3SW (NE)	0	1	488567 378346
	Source:	British Geological Survey, National Geoscience Information Service				
		Radon 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	C3SW (NE)	0	1	488567 378346

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## **Industrial Land Use**

Map ID	Details	Details  Quadrant Reference (Compass Direction)  Cumpass Direction		Contact	NGR
18	Contemporary Trade Directory Entries  Name: Brumfield Engineering Location: Unit 8, Old Park, Sturton Road, Lincoln, LN1 2PQ Classification: Engineering Services Status: Inactive Positional Accuracy: Automatically positioned to the address	C3NE (NE)	110	-	488919 378561
18	Contemporary Trade Directory Entries  Name: Pauls Sheet Metal & Fabrications Location: The Old Park, Ingleby, Lincoln, LN1 2PQ Classification: Sheet Metal Work Status: Inactive Positional Accuracy: Automatically positioned to the address	C3NE (NE)	143	-	488912 378595
18	Contemporary Trade Directory Entries  Name: Jays Auto Tints Location: The Bungalow, Ingleby, Lincoln, LN1 2PQ Classification: Window Tinting Status: Inactive Positional Accuracy: Automatically positioned to the address	C3NE (NE)	179	-	488922 378630
19	Points of Interest - Manufacturing and Production  Name: Tanks Location: LN1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	C3SW (SE)	82	7	488676 378118
19	Points of Interest - Manufacturing and Production  Name: Tank Location: LN1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	C3SW (SE)	84	7	488681 378135
20	Points of Interest - Public Infrastructure  Name: Reedman Services Ltd Location: Ingleby, Lincoln, LN1 2PQ Category: Water Class Code: Rivers and Canal Organisations and Infrastructure Positional Accuracy: Positioned to address or location	C3NE (NE)	143	7	488927 378594
20	Points of Interest - Public Infrastructure  Name: Reedman Services Ltd Location: The Bungalow, Ingleby, Lincoln, LN1 2PQ Category: Water Class Code: Rivers and Canal Organisations and Infrastructure Positional Accuracy: Positioned to address or location	C3NE (NE)	179	7	488922 378630

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## **Sensitive Land Use**

Map ID	Details		Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Nitrate Vulnerabl	e Zones				
21	Name: Description: Source:	Fossdyke Canal Nvz Surface Water Environment Agency, Head Office	C3SW (NE)	0	2	488567 378346
	Nitrate Vulnerabl	e Zones				
22	Name: Description: Source:	Lower Witham Nvz Surface Water Environment Agency, Head Office	C3SW (E)	0	2	488722 378386
	Nitrate Vulnerabl	e Zones				
23	Name: Description: Source:	R Trent From Carlton-On-Trent To Laughton Drain Nvz Surface Water Environment Agency, Head Office	C1SW (W)	206	2	487388 378271

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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	7 (dgddt 2021	
Environment Agency - Midlands Region	December 1999	
Environment Agency - Anglian Region	September 1999	
	Coptomiser rece	
Prosecutions Relating to Authorised Processes Environment Agency - Anglian Region	July 2015	
	July 2013	
Prosecutions Relating to Controlled Waters	March 2012	
Environment Agency - Anglian Region	March 2013	
Registered Radioactive Substances	Luca 2010	A
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		,
Environment Agency - Head Office	May 2021	Bi-Annually

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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	, 2010	
Environment Agency - Head Office	February 2016	Annually
	1 oblidary 2010	7 timedily
BGS Groundwater Flooding Susceptibility  British Geological Survey - National Geoscience Information Service	May 2013	Annually
Shiish Geological Survey - National Geoscience information Service	Iviay 2013	Aillidally
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
	33., 232.	Quartony
Local Authority Landfill Coverage Lincolnshire County Council	February 2003	Not Applicable
Nest Lindsey District Council - Environmental Health Department	February 2003	Not Applicable
	1 0514417 2000	1.10t / ipplicable
Local Authority Recorded Landfill Sites Lincolnshire County Council	October 2018	
Lincoinsnire County Council  West Lindsey District Council - Environmental Health Department	October 2018 October 2018	
	October 2010	
Potentially Infilled Land (Non-Water)	Docombos 1000	Not Applicable
Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water)		
andmark Information Group Limited	December 1999	
Registered Landfill Sites		
	March 2006	Not Applicable
Environment Agency - Anglian Region - Northern Area		
Environment Agency - Anglian Region - Northern Area  Registered Waste Transfer Sites  Environment Agency - Anglian Region - Northern Area	April 2018	
Registered Waste Transfer Sites	April 2018	

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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
Nest 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
Mining 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	1. 0040	
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards	lanuar : 0040	Annualli
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
	July 2011	Aillidally
Radon Potential - Radon Protection Measures  British Geological Survey - National Geoscience Information Service	July 2011	Annually

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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

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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

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# **Data Suppliers**

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	Map data
Environment Agency	Environment
Scottish Environment Protection Agency	SEPA
The Coal Authority	The Coal Authority
British Geological Survey	British Geological Survey MATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	Cyfoeth Naturiol Cymru Matural Resources Walkes
Scottish Natural Heritage	SCOTTISH NATURAL HERITAGE 迎念別
Natural England	NATURAL ENGLAND
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 - 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.

## **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

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

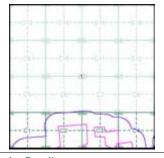
Map ID: Map Sheet No:

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



287331844\_1\_1 21-1098.02

488570, 378350



#### **Order Details:**

Order Number: Customer Reference: National Grid Reference:

C 331.04 Site Area (Ha): Search Buffer (m):

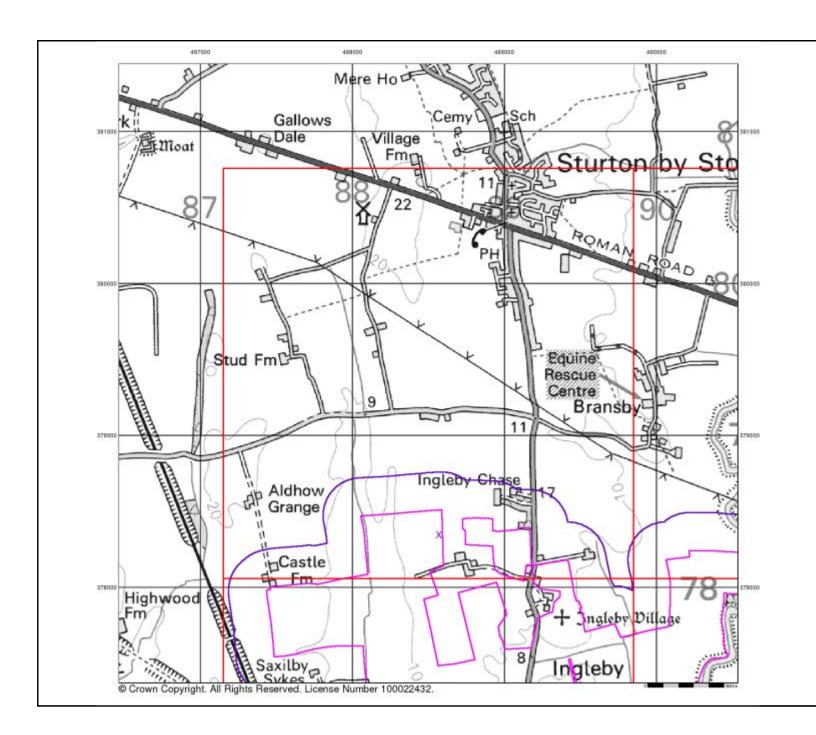
Site Details:

West Burton 2



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#### **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.

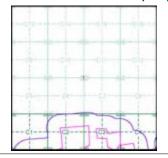
Artificial ground includes:

- 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 C





## **Order Details:**

Order Number: Customer Reference: National Grid Reference: Site Area (Ha): Search Buffer (m):

488570, 378350 C 331.04 250

287331844\_1\_1 21-1098.02

Site Details:

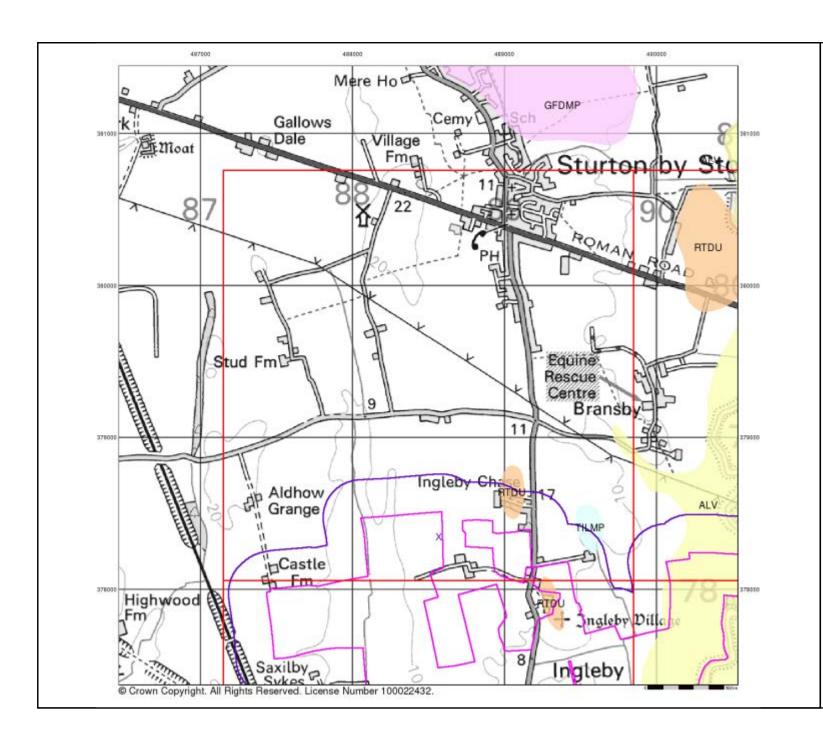
West Burton 2



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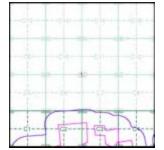
#### **Superficial Geology**

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

287331844\_1\_1 21-1098.02 ce: 488570, 378350 C 331.04 250

n Buffer (m):

### Site Details:

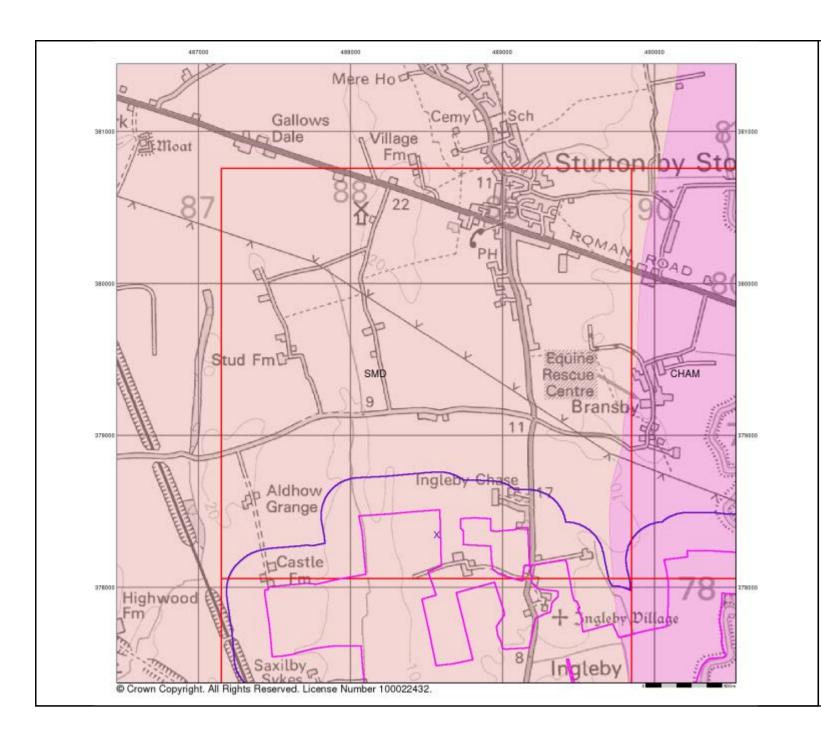
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#### **Bedrock and Faults**

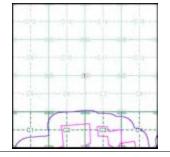
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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





## **Order Details:**

Order Number: Customer Reference: National Grid Reference: Site Area (Ha): Search Buffer (m):

287331844\_1\_1 21-1098.02 488570, 378350 C 331.04 250

Site Details:

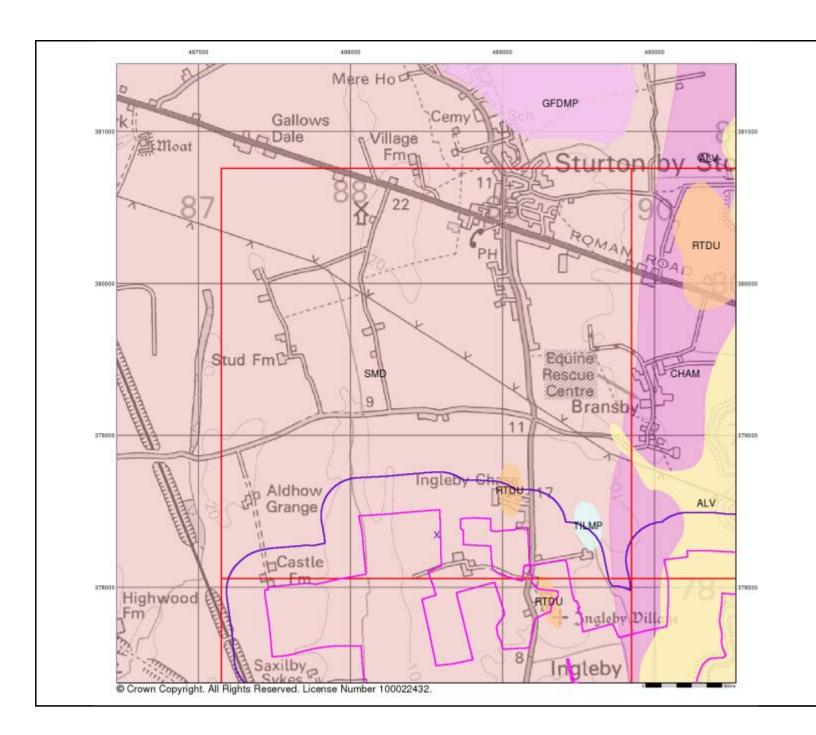
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#### Combined Surface Geology

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.

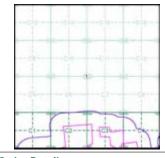
#### **Additional Information**

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



287331844\_1\_1 21-1098.02

488570, 378350 C 331.04

### **Order Details:**

Order Number: Customer Reference: National Grid Reference: Slice:

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

### Site Details:

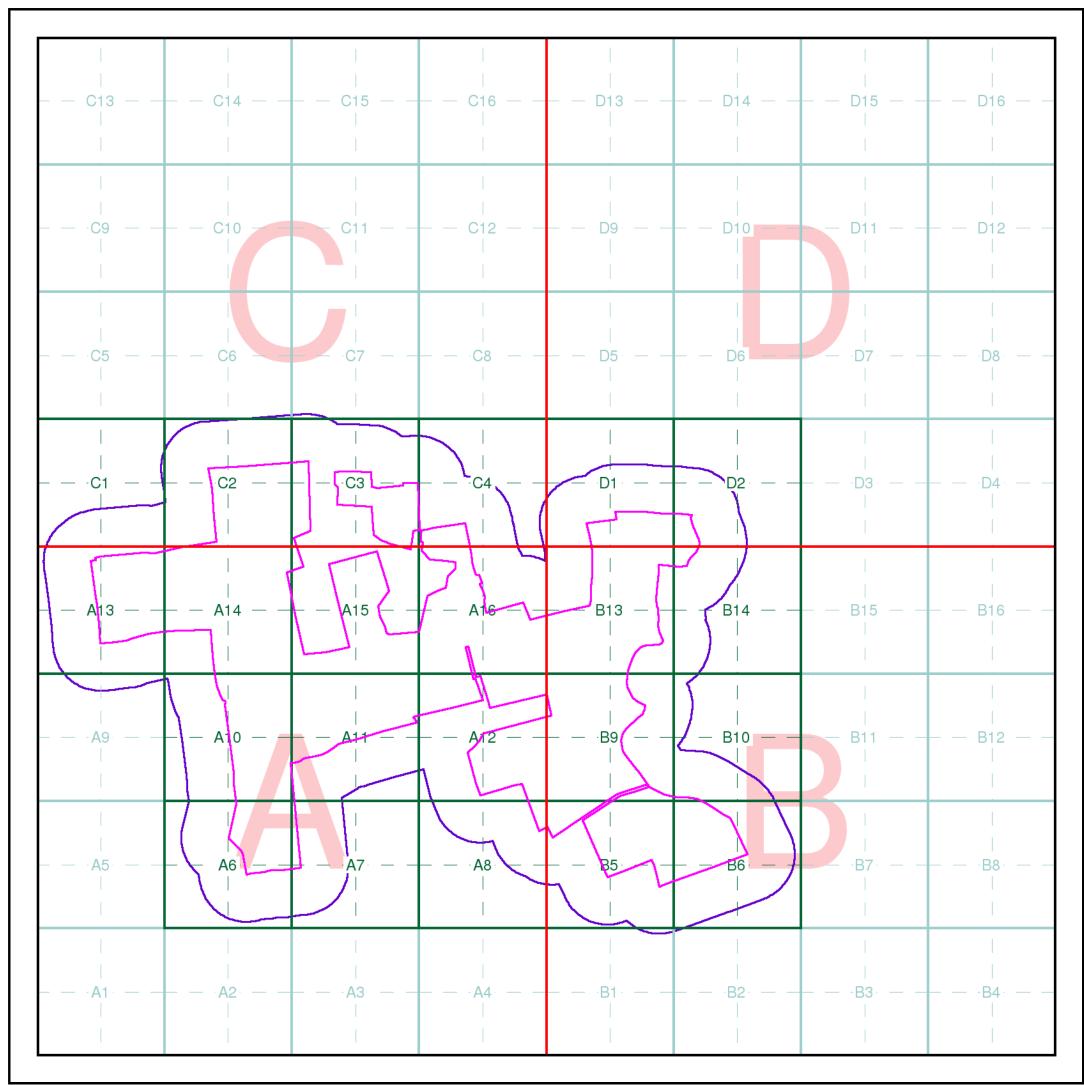
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## **Index Map**

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: 287331844\_1\_1
Customer Ref: 21-1098.02
National Grid Reference: 489180, 377430

Site Area (Ha): 331.04 Search Buffer (m): 250

## **Site Details**

West Burton 2

Full Terms and Conditions can be found on the following link:



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