

# **Geology 1:50,000 Maps Legends**

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

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age	
	WGR	.		Not Supplied - Holocene	
	WMGR	Infilled Ground	Artificial Deposit	Not Supplied - Holocene	
	LSGR	Landscaped Ground (Undivided)	Artificially Modified Ground	Not Supplied - Holocene	
$\square$	MGR	Made Ground (Undivided)	Artificial Deposit	Not Supplied - Holocene	

### **Superficial Geology**

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay and Silt	Not Supplied - Holocene
	LOFT	Lowestoft Formation	Sand and Gravel	Not Supplied - Anglian
	LOFT	Lowestoft Formation	Diamicton	Not Supplied - Anglian
	KGCA	Kesgrave Catchment Subgroup	Sand and Gravel	Not Supplied - Pleistocene
	RTDU	River Terrace Deposits (Undifferentiated)	Sand and Gravel	Not Supplied - Quaternary
	PEAT	Peat	Peat	Not Supplied - Quaternary
	HEAD	Head	Diamicton	Not Supplied - Quaternary

#### **Bedrock and Faults**

Map Lex Code Colour		Rock Name	Rock Type	Min and Max Age
	RCG	Red Crag Formation	Sand	Not Supplied - Piacenzian
	CFB	Chillesford Church Sand Member	Sand	Not Supplied - Antian / Bramertonian
	THAM	Thames Group	Clay, Silt and Sand	Not Supplied - Eocene
	TALM	Thanet Formation And Lambeth Group (Undifferentiated)	Clay, Silt and Sand	Not Supplied - Paleocene
	CUCK	Culver Chalk Formation	Chalk	Not Supplied - Campanian
	NCK	Newhaven Chalk Formation	Chalk	Not Supplied - Santonian



#### 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:
 207

 Map Name:
 Ipswich

 Map Date:
 2006

 Bedrock Geology:
 Available

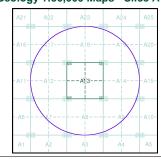
 Superficial Geology:
 Available

 Artificial Geology:
 Available

 Not Sump
 Not Sump

Artificial Geology: Available
Faults: Not Supplied
Landslip: Available
Rock Segments: Not Supplied

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





#### Order Details:

Order Number: 311608665\_1\_1
Customer Reference: 2240230522
National Grid Reference: 612160, 248780
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details:

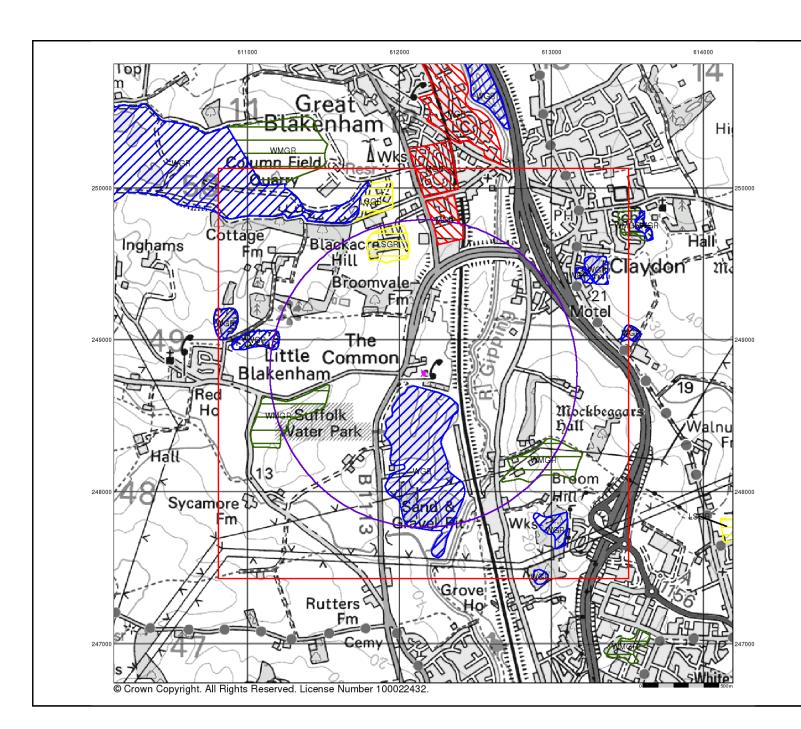
No.07 The Common, Little Blakenham, IPSWICH, Suffolk, IP8 4JX

Landmark\*

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

v15.0 22-May-2023

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

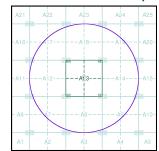
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions 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
- Worked ground areas where the ground has been cut away such a 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
- Disturbed ground areas of ill-defined shallow or near surface minera workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

#### Artificial Ground and Landslip Map - Slice A





### Order Details:

Order Number: 311608665\_1\_1
Customer Reference: 2240230522
National Grid Reference: 612160, 248780
Slice: A

Site Area (Ha): 0.03 Search Buffer (m): 1000

Site Details:

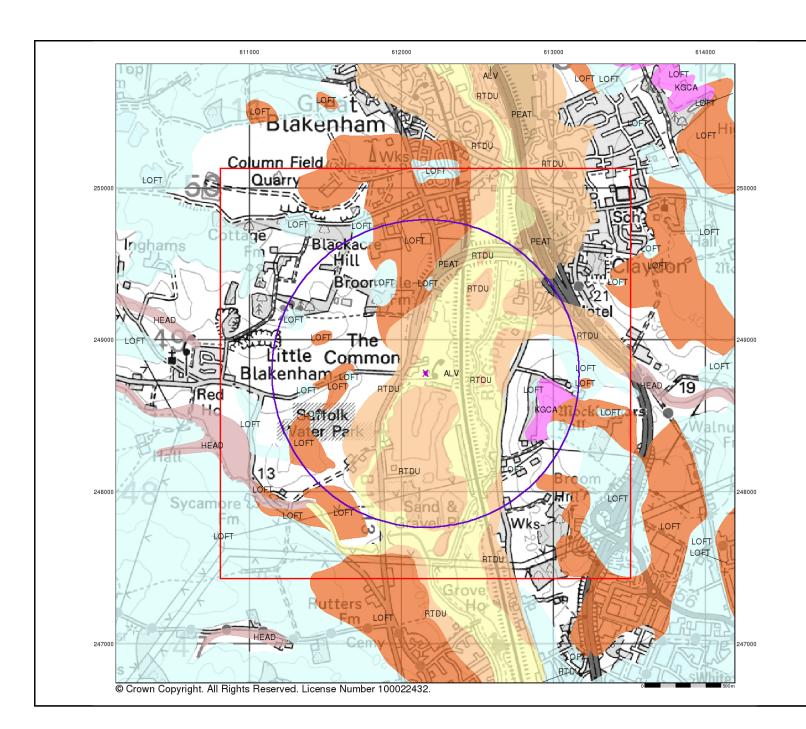
No.07 The Common, Little Blakenham, IPSWICH, Suffolk, IP8 4JX



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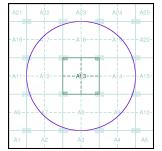
#### **Superficial Geology**

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 A



#### **Order Details:**

Order Number: Customer Reference: 311608665\_1\_1 2240230522 National Grid Reference: 612160, 248780 A 0.03

Site Area (Ha): Search Buffer (m): 1000

#### Site Details:

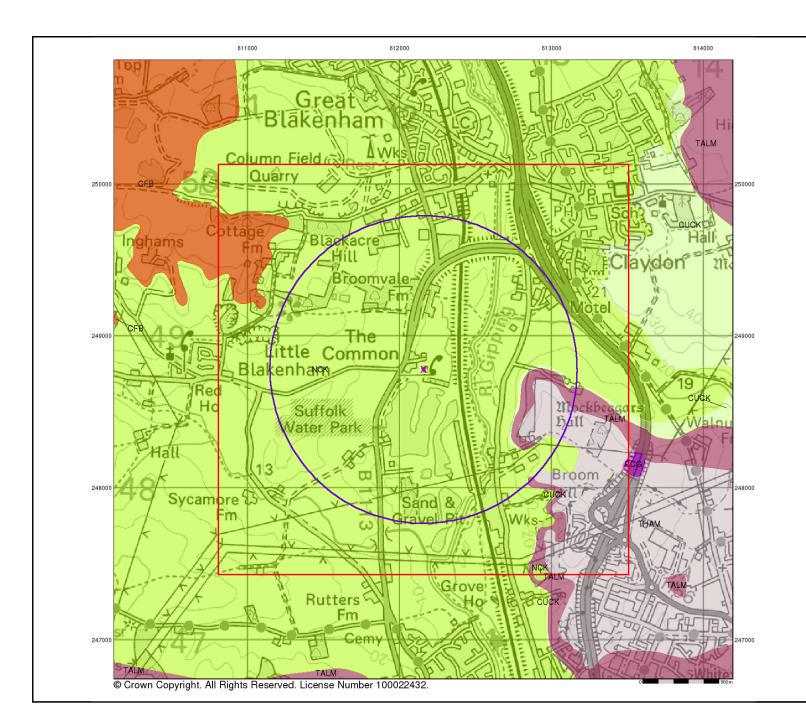
No.07 The Common, Little Blakenham, IPSWICH, Suffolk, IP8 4JX



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#### **Bedrock and Faults**

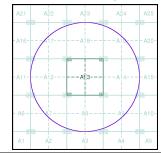
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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: 311608665\_1\_1 2240230522 612160, 248780 National Grid Reference: A 0.03

Site Area (Ha): Search Buffer (m): 1000

#### Site Details:

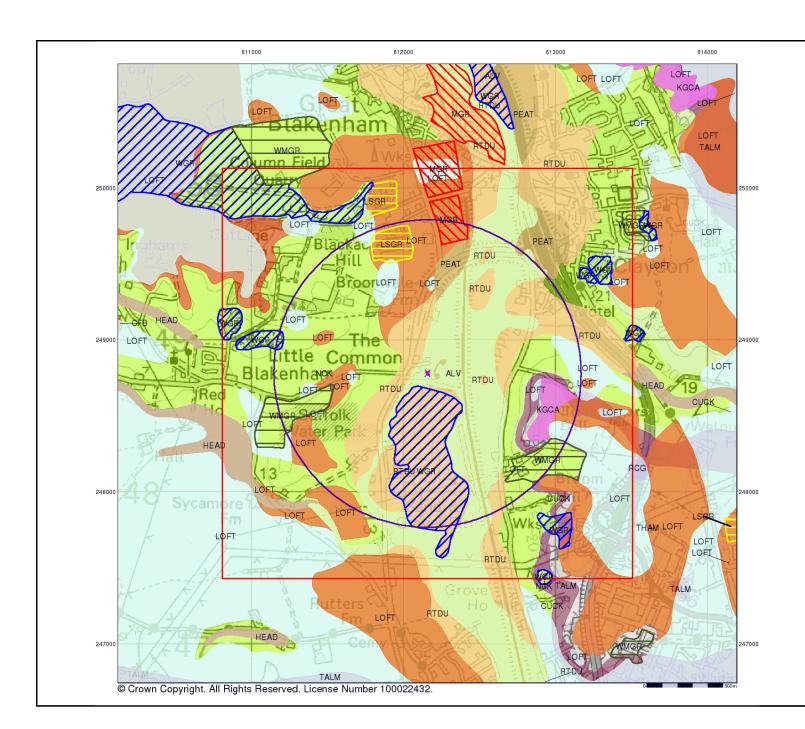
No.07 The Common, Little Blakenham, IPSWICH, Suffolk, IP8 4JX



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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.

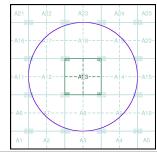
#### **Additional Information**

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: 311608665\_1\_1
Customer Reference: 2240230522
National Grid Reference: 612160, 248780
Slice: A
Slice Area (Ha): 0.03
Search Buffer (m): 1000

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No.07 The Common, Little Blakenham, IPSWICH, Suffolk, IP8 4JX



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# **Envirocheck® Report:**

# Mining and Ground Stability Datasheet

# **Order Details:**

**Order Number:** 

311608665\_1\_1

**Customer Reference:** 

2240230522

**National Grid Reference:** 

612160, 248780

Slice:

Α

Site Area (Ha):

0.03

Search Buffer (m):

1000

## **Site Details:**

No.07 The Common Little Blakenham IPSWICH Suffolk IP8 4JX

### **Client Details:**

Mr C Unsworth Green Earth Management Ltd Building 2 Broomfield Park Coggeshall Road Earls Colne Essex CO6 2JX







Report Section and Details	Page Number
Summary	-

The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected.

For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).

#### Mining and Natural Cavities Data

1

The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities.

Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.

#### Historical Land Use Information (1:2,500)

-

The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative.

For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.

### Historical Land Use Information (1:10,000)

4

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)**

6

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 7

The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.

Data Currency	8
Data Suppliers	9
Useful Contacts	10

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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.

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Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Mining and Natural Cavities Data					
BGS Recorded Mineral Sites	pg 1			2	12
Coal Mining Affected Areas			n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability			n/a	n/a	n/a
Natural Cavities	pg 3				1
Non Coal Mining Areas of Great Britain	pg 3		Yes	n/a	n/a
Potential Mining Areas					
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)				n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts					
Disturbed Ground					
General Quarrying					
Heap, unknown constituents	pg 4				2
Mineral Railway	pg 4				1
Mining & quarrying general					
Mining of coal & lignite					
Quarrying of sand & clay, operation of sand & gravel pits	pg 4		1	1	10
Former Marshes					
Potentially Infilled Land (Non-Water)	pg 4				7
Potentially Infilled Land (Water)	pg 5			1	6
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 6	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 6	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 6	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 6	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 6	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 6	Yes	Yes	n/a	n/a
Salt Mining Related Features					

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Order Number: 311608665\_1\_1 Date: 22-May-2023 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service



# **Mining and Natural Cavities Data**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	BGS Recorded Mine Site Name: Location: Source: Reference: Type: Status: Operator: Operator Location: Periodic Type: Geology: Commodity: Positional Accuracy:	Broomvale Farm Pit Great Blakenham, Ipswich, Suffolk British Geological Survey, National Geoscience Information Service 212726 Opencast Ceased Unknown Operator Not Supplied Quaternary River Terrace Deposits (Undifferentiated) Sand and Gravel Located by supplier to within 10m	A13NE (N)	319	1	612223 249104
2	BGS Recorded Mine Site Name: Location: Source: Reference: Type: Status: Operator: Operator Location: Periodic Type: Geology: Commodity: Positional Accuracy:	Lorraine Way Quarry Bramford, Ipswich, Suffolk British Geological Survey, National Geoscience Information Service 29871 Opencast Ceased Cemex Uk Materials Ltd. Not Supplied Quaternary River Terrace Deposits (Undifferentiated) Sand and Gravel Located by supplier to within 10m	A8NW (S)	353	1	612070 248425
3	BGS Recorded Mine Site Name: Location: Source: Reference: Type: Status: Operator: Operator Location: Periodic Type: Geology: Commodity: Positional Accuracy:	Bramford Common Pit Bramford, Ipswich, Suffolk British Geological Survey, National Geoscience Information Service 213145 Opencast Ceased Unknown Operator Not Supplied Quaternary River Terrace Deposits (Undifferentiated) Sand and Gravel Located by supplier to within 10m	A8SW (S)	729	1	612113 248040
4	BGS Recorded Mine Site Name: Location: Source: Reference: Type: Status: Operator: Operator Location: Periodic Type: Geology: Commodity: Positional Accuracy:	Peral Sites  Old Hall Chalk Pit Claydon, Ipswich, Suffolk British Geological Survey, National Geoscience Information Service 212730 Opencast Ceased Unknown Operator Not Supplied Cretaceous Culver Chalk Formation Chalk Located by supplier to within 10m	A14NE (E)	736	1	612902 248785
5	BGS Recorded Mine Site Name: Location: Source: Reference: Type: Status: Operator: Operator Location: Periodic Type: Geology: Commodity: Positional Accuracy:	Paral Sites  Dairy Farm Pit Little Blakenham, Ipswich, Suffolk British Geological Survey, National Geoscience Information Service 213128 Opencast Ceased Unknown Operator Not Supplied Cretaceous Newhaven Chalk Formation Chalk Located by supplier to within 10m	A7NW (SW)	806	1	611476 248336
6	BGS Recorded Mine Site Name: Location: Source: Reference: Type: Status: Operator: Operator Location: Periodic Type: Geology: Commodity:	,	A12NW (W)	812	1	611360 248991



# **Mining and Natural Cavities Data**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	BGS Recorded Mine Site Name: Location: Source: Reference: Type: Status: Operator: Operator Location: Periodic Type: Geology: Commodity: Positional Accuracy:	Lorraine Way Bramford, Ipswich, Suffolk British Geological Survey, National Geoscience Information Service 4242 Opencast Ceased Cemex Uk Materials Ltd. Not Supplied Quaternary Kesgrave Catchment Subgroup Sand and Gravel Located by supplier to within 10m	A8SE (S)	844	1	612260 247930
8	BGS Recorded Mine Site Name: Location: Source: Reference: Type: Status: Operator: Operator Location: Periodic Type: Geology: Commodity: Positional Accuracy:	Blood Hill Quarry Little Blakenham, Bramford, Ipswich, Suffolk British Geological Survey, National Geoscience Information Service 7480 Opencast Active Individual'S Name Withheld Not Supplied Quaternary Lowestoft Formation (Glacial Sands And Gravels) Sand and Gravel Located by supplier to within 10m	A7NW (SW)	862	1	611370 248410
9	BGS Recorded Mine Site Name: Location: Source: Reference: Type: Status: Operator: Operator Location: Periodic Type: Geology: Commodity: Positional Accuracy:	Dairy Farm Pit Little Blakenham, Ipswich, Suffolk British Geological Survey, National Geoscience Information Service 213129 Opencast Ceased Unknown Operator Not Supplied Cretaceous Newhaven Chalk Formation Chalk Located by supplier to within 10m	A7NE (SW)	919	1	611515 248110
10	BGS Recorded Mine Site Name: Location: Source: Reference: Type: Status: Operator: Operator Location: Periodic Type: Geology: Commodity: Positional Accuracy:	Bramford Chalk Pit Bramford, Ipswich, Suffolk British Geological Survey, National Geoscience Information Service 29872 Opencast Ceased Individual'S Name Withheld Not Supplied Cretaceous Newhaven Chalk Formation Chalk Located by supplier to within 10m	A9NE (SE)	939	1	612885 248165
10	BGS Recorded Mine Site Name: Location: Source: Reference: Type: Status: Operator: Operator Location: Periodic Type: Geology: Commodity: Positional Accuracy:	Bramford Chalk Pit Bramford, Ipswich, Suffolk British Geological Survey, National Geoscience Information Service 29872 Opencast Ceased Individual'S Name Withheld Not Supplied Palaeogene Thames Group Common Clay and Shale Located by supplier to within 10m	A9NE (SE)	939	1	612885 248165
10	BGS Recorded Mine Site Name: Location: Source: Reference: Type: Status: Operator: Operator Location: Periodic Type: Geology: Commodity: Positional Accuracy:	Bramford Chalk Pit Bramford, Ipswich, Suffolk British Geological Survey, National Geoscience Information Service 29872 Opencast Ceased Individual'S Name Withheld Not Supplied Palaeogene Thanet Formation And Lambeth Group (Undifferentiated) Common Clay and Shale Located by supplier to within 10m	A9NE (SE)	939	1	612885 248165



# **Mining and Natural Cavities Data**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Recorded Mine	eral Sites				
11	Site Name: Location: Source: Reference: Type: Status: Operator: Operator Location: Periodic Type: Geology: Commodity: Positional Accuracy:	Little Blakenham Chalk Pit Little Blakenham, Bramford, Ipswich, Suffolk British Geological Survey, National Geoscience Information Service 4230 Opencast Ceased Howes Lime Co., Ltd. Not Supplied Quaternary Kesgrave Formation And Lowestoft Formation Sand and Gravel Located by supplier to within 10m	A12SW (W)	992	1	611179 248565
	BGS Recorded Mine	eral Sites				
11	Site Name: Location: Source: Reference: Type: Status: Operator: Operator Location: Periodic Type: Geology: Commodity: Positional Accuracy:	Little Blakenham Chalk Pit Little Blakenham, Bramford, Ipswich, Suffolk British Geological Survey, National Geoscience Information Service 4230 Opencast Ceased Howes Lime Co., Ltd. Not Supplied Cretaceous White Chalk Subgroup Chalk Located by supplier to within 10m	A12SW (W)	992	1	611179 248565
	Coal Mining Affecte	d Areas				
	In an area which may	not be affected by coal mining				
	Natural Cavities					
	Cavity Type: Solid Geology Detail: Superficial Geology Detail:		A12SW (W)	965	2	611200 248600
	Non Coal Mining Ar	eas of Great Britain				
	Risk: Source:	Rare British Geological Survey, National Geoscience Information Service	A13NW (W)	97	1	612050 248800

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# **Historical Land Use Information (1:10,000)**

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1927 - 1958	A9NW (SE)	735	-	612541 248137
13	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1989	A9SW (SE)	920	-	612522 247921
14	Mineral Railway Use: Not Supplied Date of Mapping: 1889 - 1938	A9SW (SE)	863	-	612649 248053
15	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1989	A13SE (SE)	71	-	612200 248707
16	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1889	A12SE (W)	487	-	611662 248739
17	Quarrying of sand & clay, operation of sand & gravel pits  Use: Not Supplied Date of Mapping: 1889	A8NW (SW)	584	-	611832 248282
18	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1927	A8SW (S)	735	-	612113 248034
19	Quarrying of sand & clay, operation of sand & gravel pits  Use: Not Supplied Date of Mapping: 1889	A14NE (E)	737	-	612903 248783
20	Quarrying of sand & clay, operation of sand & gravel pits  Use: Not Supplied  Date of Mapping: 1889	A7NE (SW)	777	-	611506 248343
21	Quarrying of sand & clay, operation of sand & gravel pits  Use: Not Supplied Date of Mapping: 1889	A12NW (W)	817	-	611355 248990
22	Quarrying of sand & clay, operation of sand & gravel pits  Use: Not Supplied  Date of Mapping: 1889 - 1938	A9NW (SE)	842	-	612829 248251
23	Quarrying of sand & clay, operation of sand & gravel pits  Use: Not Supplied Date of Mapping: 1889	A7NE (SW)	873	-	611544 248146
24	Quarrying of sand & clay, operation of sand & gravel pits  Use: Not Supplied Date of Mapping: 1958	A12SW (W)	910	-	611255 248603
25	Quarrying of sand & clay, operation of sand & gravel pits  Use: Not Supplied  Date of Mapping: 1889	A12SW (W)	915	-	611255 248580
26	Quarrying of sand & clay, operation of sand & gravel pits  Use: Not Supplied Date of Mapping: 1958	A12NW (W)	939	-	611219 248933
27	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A8NW (SW)	584	-	611832 248282
28	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A8SW (S)	735	-	612113 248034
29	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A14NE (E)	737	-	612903 248783
30	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A7NE (SW)	777	-	611506 248343
31	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A9NW (SE)	842	-	612829 248251
32	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A7NE (SW)	873	-	611544 248146

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# **Historical Land Use Information (1:10,000)**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potentially Infilled	Land (Non-Water)				
33	Use: Date of Mapping:	Unknown Filled Ground (Pit, quarry etc) 1989	A12SW (W)	910	-	611255 248603
	Potentially Infilled	Land (Water)				
34	Use: Date of Mapping:	Unknown Filled Ground (Pond, marsh, river, stream, dock etc) 1928	A13NE (N)	321	-	612226 249105
	Potentially Infilled	Land (Water)				
35	Use: Date of Mapping:	Unknown Filled Ground (Pond, marsh, river, stream, dock etc) 1958	A8SW (S)	713	-	612087 248058
	Potentially Infilled	Land (Water)				
36	Use: Date of Mapping:	Unknown Filled Ground (Pond, marsh, river, stream, dock etc) 1958	A18NE (N)	737	-	612282 249518
	Potentially Infilled	Land (Water)				
37	Use: Date of Mapping:	Unknown Filled Ground (Pond, marsh, river, stream, dock etc) 1958	A7NE (SW)	777	-	611660 248170
	Potentially Infilled	Land (Water)				
38	Use: Date of Mapping:	Unknown Filled Ground (Pond, marsh, river, stream, dock etc) 1938	A8SW (S)	899	-	611834 247928
	Potentially Infilled	Land (Water)				
39	Use: Date of Mapping:	Unknown Filled Ground (Pond, marsh, river, stream, dock etc) 1958	A8SW (S)	958	-	611929 247837
	Potentially Infilled	Land (Water)				
40	Use: Date of Mapping:	Unknown Filled Ground (Pond, marsh, river, stream, dock etc) 1958	A8SW (S)	968	-	611981 247815

Order Number: 311608665\_1\_1 Date: 22-May-2023 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 5 of 10



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

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District				
	The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence solution area.				
	Potential for Collapsible Ground Stability Hazards				
41	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	75	1	612093 248840
	Potential for Collapsible Ground Stability Hazards				
42	Hazard Potential: Very Low British Geological Survey, National Geoscience Information Services	A13SW (S)	79	1	612153 248688
	Potential for Collapsible Ground Stability Hazards  Hazard Potential: Source: No Hazard British Geological Survey, National Geoscience Information Services	A13NE (SE)	0	1	612158 248780
43	Potential for Compressible Ground Stability Hazards  Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (SE)	0	1	612158 248780
	Potential for Compressible Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Services	A13NW (NW)	75	1	612093 248840
	Potential for Compressible Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Services	A13SW (S)	79	1	612153 248688
44	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (SE)	0	1	612158 248780
	Potential for Ground Dissolution Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Services	A13NE (N)	137	1	612193 248925
45	Potential for Landslide Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Services	A13NE (SE)	0	1	612158 248780
	Potential for Landslide Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	175	1	611979 248839
46	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (SE)	0	1	612158 248780
47	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Services	A13NW (NW)	75	1	612093 248840
48	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Services	A13SW (S)	79	1	612153 248688
	Potential for Running Sand Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Services	A13NW (W)	175	1	611979 248840
49	Potential for Shrinking or Swelling Clay Ground Stability Hazards  Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Services	A13NE (SE)	0	1	612158 248780
	Potential for Shrinking or Swelling Clay Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Services	A13NW (NW)	75	1	612093 248840
	Potential for Shrinking or Swelling Clay Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Services	A13SW (S)	79	1	612153 248688

Order Number: 311608665\_1\_1 Date: 22-May-2023 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 6 of 10



# **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	TM1148	1964
Ordnance Survey Plan	TM1149	1964
Ordnance Survey Plan	TM1248	1965
Ordnance Survey Plan	TM1249	1965

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

1:10,560	Mapsheet	Published Date
Suffolk	066_SW	1889
Suffolk	075_NW	1889
Suffolk	066_SW	1905
Suffolk	075_NW	1905
Suffolk	075_NW	1927
Suffolk	066_SW	1928
Suffolk	075_NW	1938
Ordnance Survey Plan	TM14NW	1957
Ordnance Survey Plan	TM15SW	1958
1:10,000	Mapsheet	Published Date
Ordnance Survey Plan	TM15SW	1978
Ordnance Survey Plan	TM14NW	1989

Order Number: 311608665\_1\_1 Date: 22-May-2023 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 7 of 10



# **Data Currency**

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites		
British Geological Survey - National Geoscience Information Service	November 2022	Bi-Annually
Coal Mining Affected Areas		
The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Man Made Mining Cavities Stantec UK Ltd	December 2022	Bi-Annually
Mining Instability	December 2022	Di Amidany
Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities		
Stantec UK Ltd	December 2022	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	June 2022	Bi-Annually
Ground Stability Data (1:50,000)	Version	Update Cycle
CBSCB Compensation District		
Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	
Cheshire Brine Subsidence Compensation Board (CBSCB)	November 2020	As notified
Potential for Collapsible Ground Stability Hazards	A '1 0000	A
British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
· · · · ·		1
Potential for Shrinking or Swelling Clay Ground Stability Hazards	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service Brine Subsidence Solution Area	January 2019	As notified

Order Number: 311608665\_1\_1 Date: 22-May-2023 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 8 of 10



# **Data Suppliers**

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	Map data
British Geological Survey	British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
The Coal Authority	The Coal Authority
Ove Arup	ARUP
Stantec UK Ltd	<b>Stantec</b>
Wardell Armstrong	wardell armstrong your earth our world
Johnson Poole & Bloomer	JPB

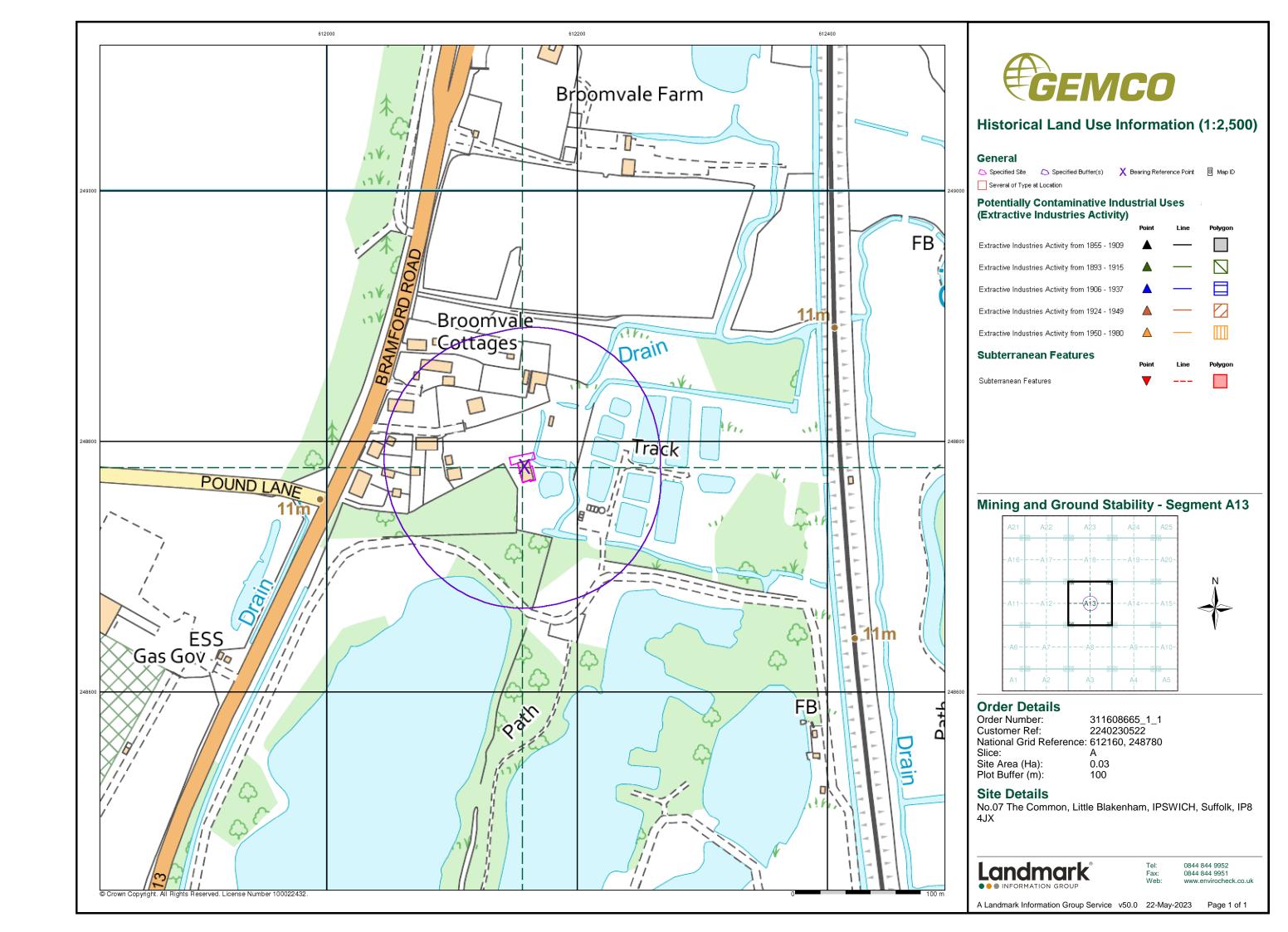
Order Number: 311608665\_1\_1 Date: 22-May-2023 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 9 of 10

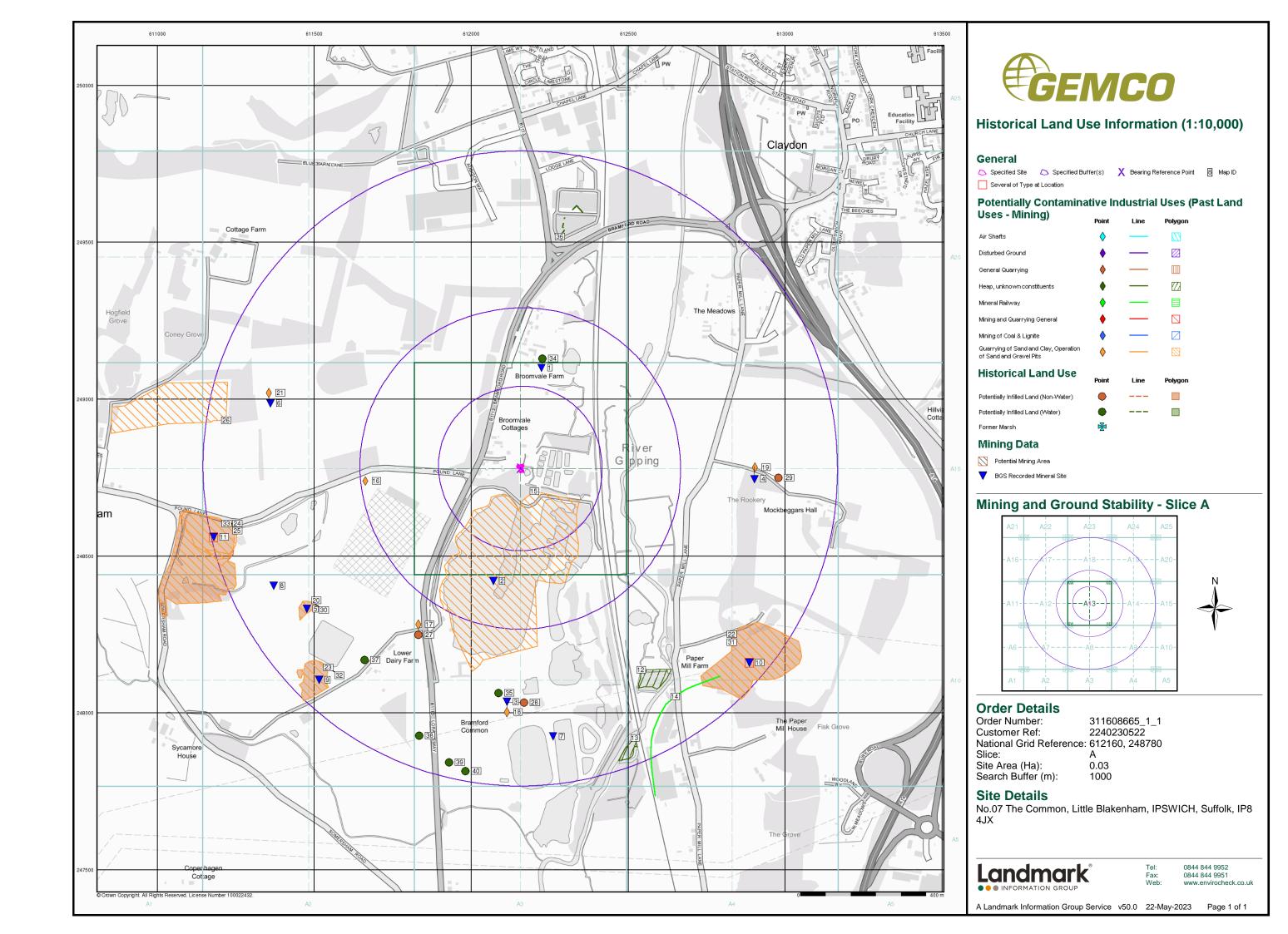


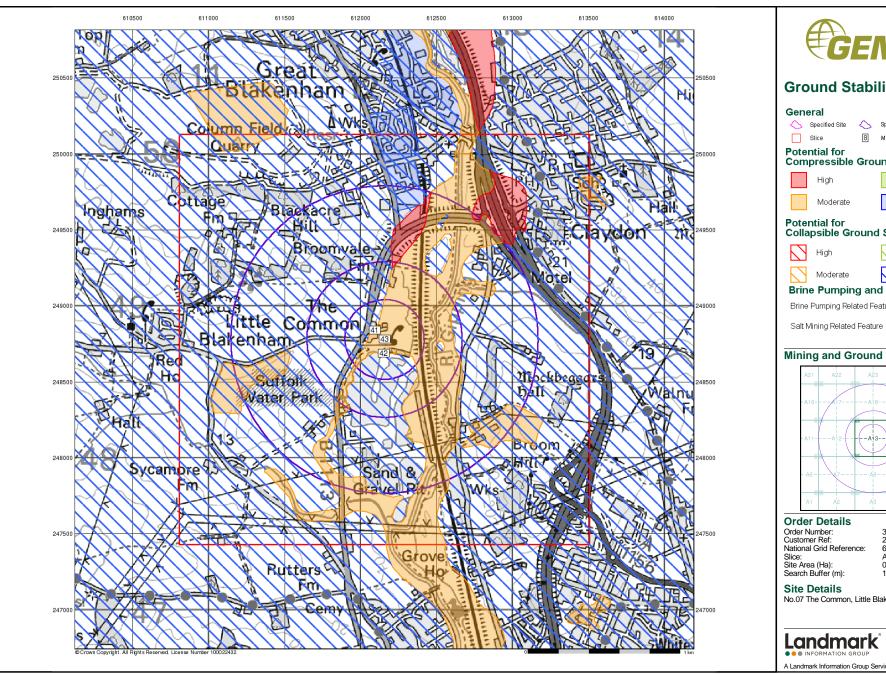
# **Useful Contacts**

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service  British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Stantec UK Ltd Caversham Bridge House, Waterman Place, Reading, RG1 8DN	Telephone: 0118 950 0761 Email: pba.reading@stantec.com Website: www.stantec.com
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Order Number: 311608665\_1\_1 Date: 22-May-2023 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 10 of 10









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

Specified Site Specified Buffer(s) X Bearing Reference Point

Compressible Ground Stability Hazards



Very Low

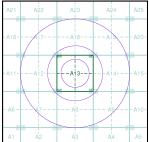
Potential for Collapsible Ground Stability Hazards

Brine Pumping and Salt Mining Point

Brine Pumping Related Feature

Polygon

Mining and Ground Stability - Slice A





311608665\_1\_1 2240230522 612160, 248780 National Grid Reference:

A 0.03 Site Area (Ha): Search Buffer (m): 1000

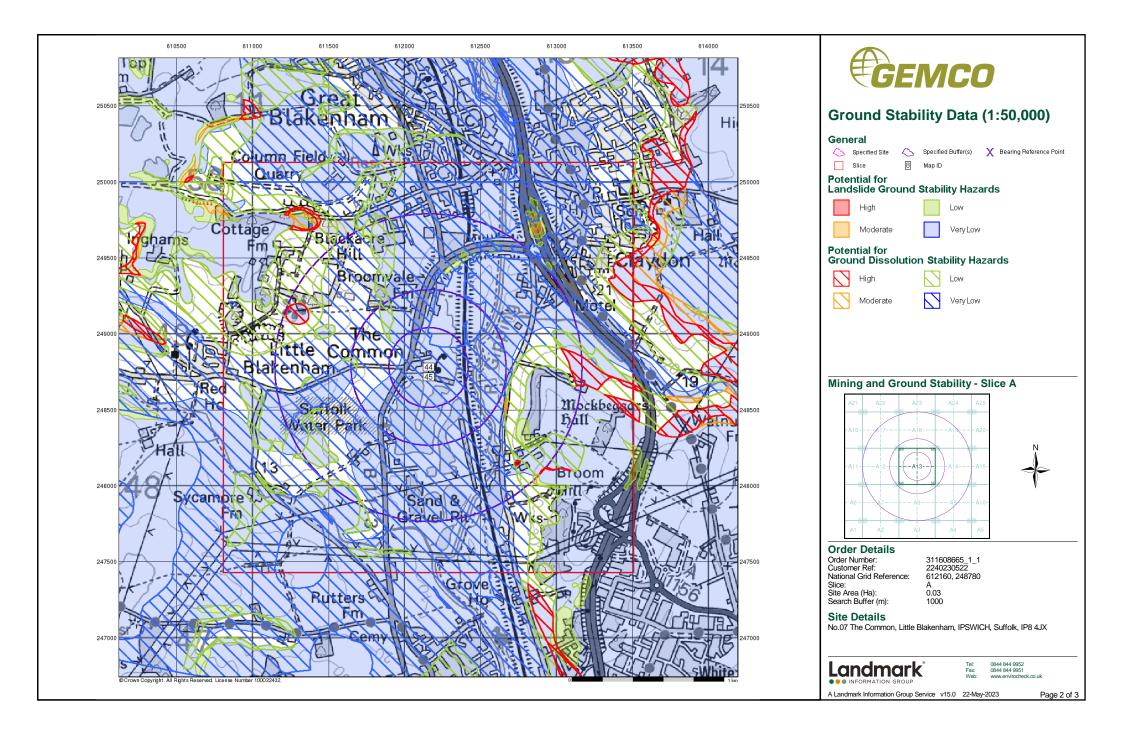
No.07 The Common, Little Blakenham, IPSWICH, Suffolk, IP8 4JX

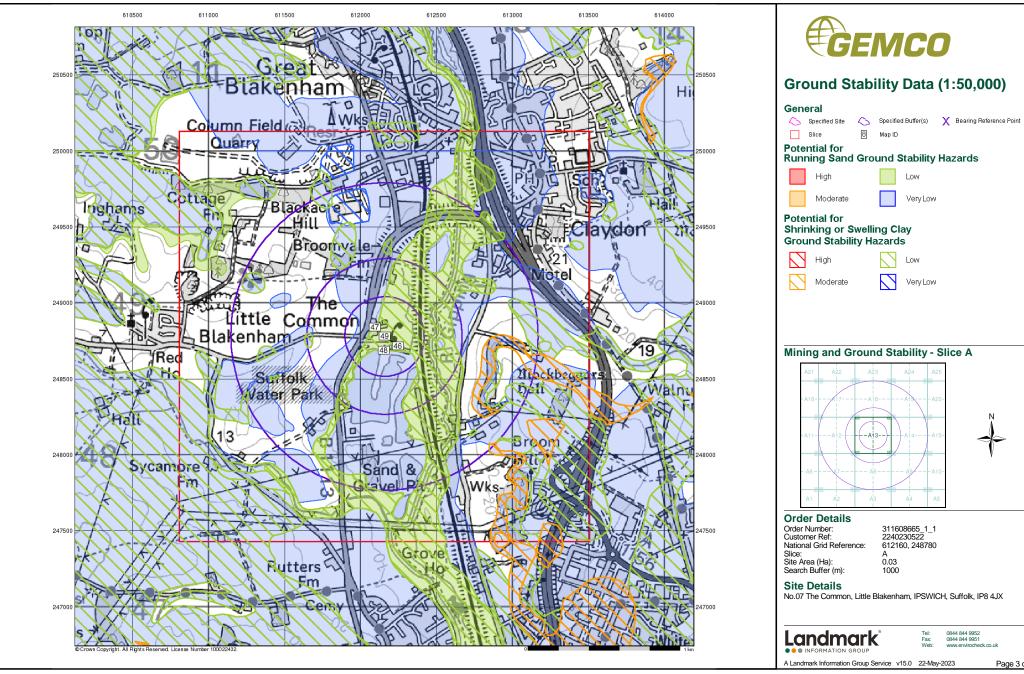


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A Landmark Information Group Service v15.0 22-May-2023

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

# **Running Sand Ground Stability Hazards**



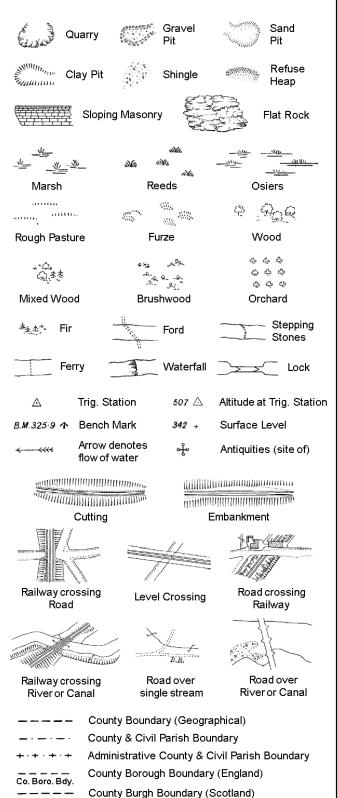


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# **Historical Mapping Legends**

# **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.

 $T_T$ 

T.C.B

Co. Burgh Bdy.

Bridle Road

Foot Bridge

Mile Stone

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

Electricity Pylor

Guide Post or Board

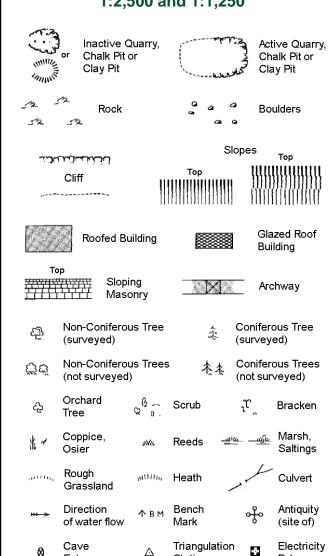
B.R.

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



ETL **Electricity Transmission Line** County Boundary (Geographical) County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy

mereing changes

London Borough Boundary

Symbol marking point where boundary

GVC

Gas Governer

Mile Post or Mile Stone

**Guide Post** 

Manhole

Wd Pp

Wks

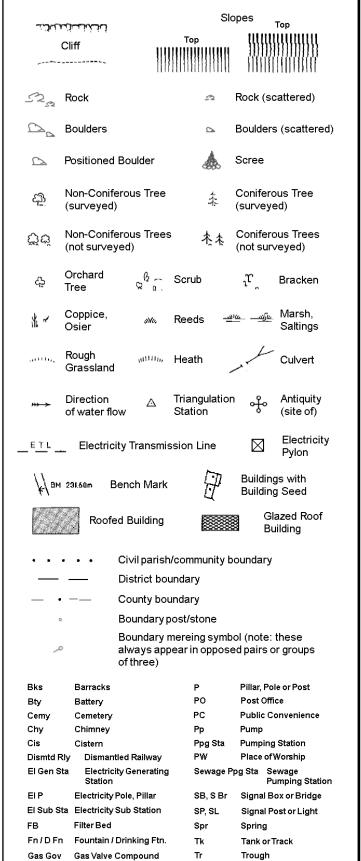
Wind Pump Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Entrance

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 NTL Normal Tidal Limit Wd Pp Wind Pump

# 1:1,250

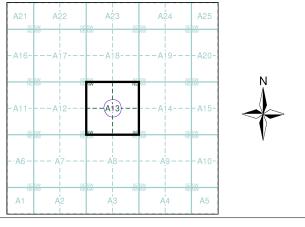




# **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Suffolk	1:2,500	1882	2
Suffolk	1:2,500	1904	3
Suffolk	1:2,500	1926	4
Ordnance Survey Plan	1:2,500	1964 - 1965	5
Ordnance Survey Plan	1:2,500	1976 - 1988	6
Supply of Unpublished Survey Information	1:2,500	1976	7
Additional SIMs	1:2,500	1986 - 1989	8
Large-Scale National Grid Data	1:2,500	1994	9
Large-Scale National Grid Data	1:2,500	1996	10
Historical Aerial Photography	1:2,500	1999	11

# **Historical Map - Segment A13**



### **Order Details**

Order Number: 311608665\_1\_1 2240230522 Customer Ref: National Grid Reference: 612160, 248780 Slice:

Site Area (Ha): 0.03 Search Buffer (m): 100

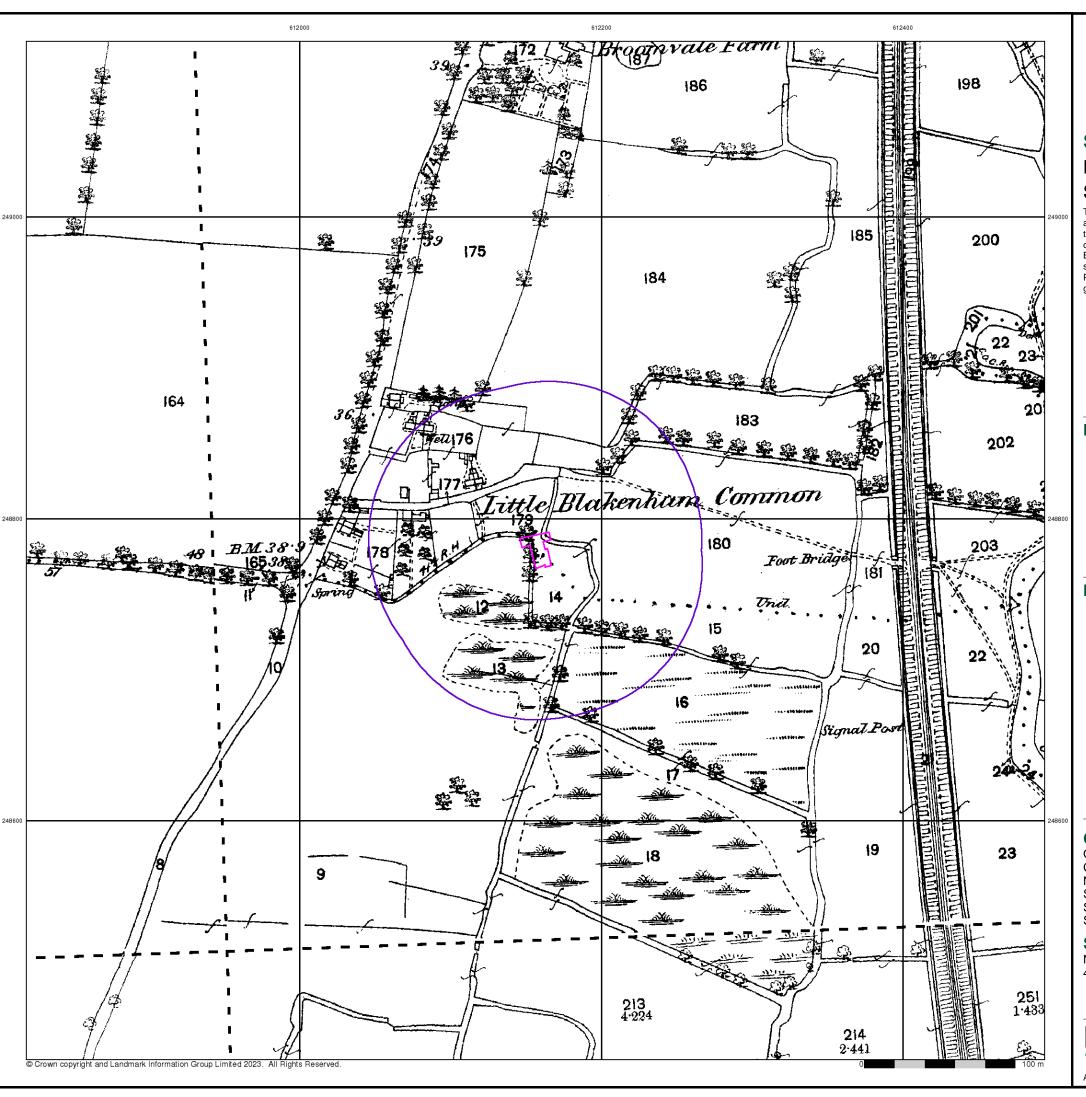
#### **Site Details**

No.07 The Common, Little Blakenham, IPSWICH, Suffolk, IP8



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A Landmark Information Group Service v50.0 22-May-2023 Page 1 of 11



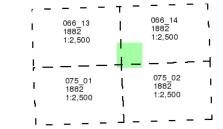


# Suffolk

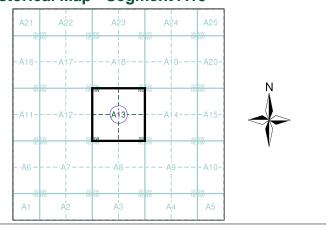
# Published 1882 Source map scale - 1:2,500

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

# Map Name(s) and Date(s)



# **Historical Map - Segment A13**



# **Order Details**

 Order Number:
 311608665\_1\_1

 Customer Ref:
 2240230522

 National Grid Reference:
 612160, 248780

Slice:

Site Area (Ha): Search Buffer (m): 0.03 100

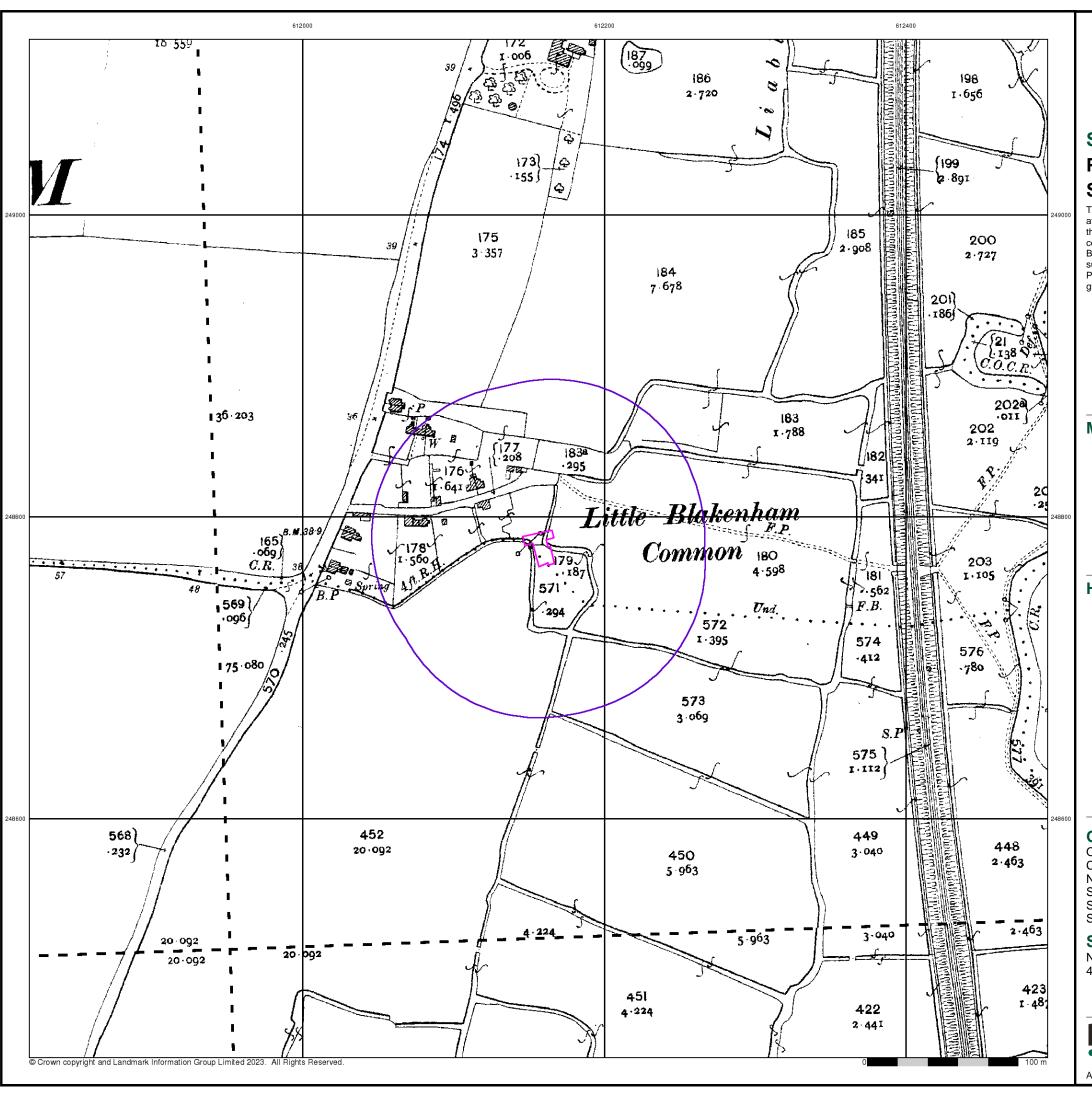
### **Site Details**

No.07 The Common, Little Blakenham, IPSWICH, Suffolk, IP8

Landmark

0844 844 9952 0844 844 9951

A Landmark Information Group Service v50.0 22-May-2023 Page 2 of 11



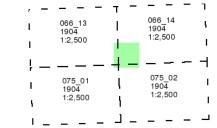


# Suffolk

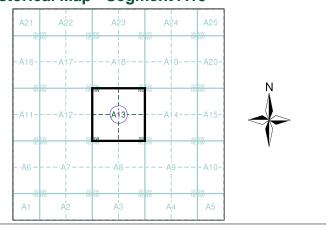
# **Published 1904** Source map scale - 1:2,500

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

# Map Name(s) and Date(s)



# **Historical Map - Segment A13**



### **Order Details**

Order Number: 311608665\_1\_1 Customer Ref: 2240230522 National Grid Reference: 612160, 248780

Slice:

Α Site Area (Ha): 0.03 Search Buffer (m): 100

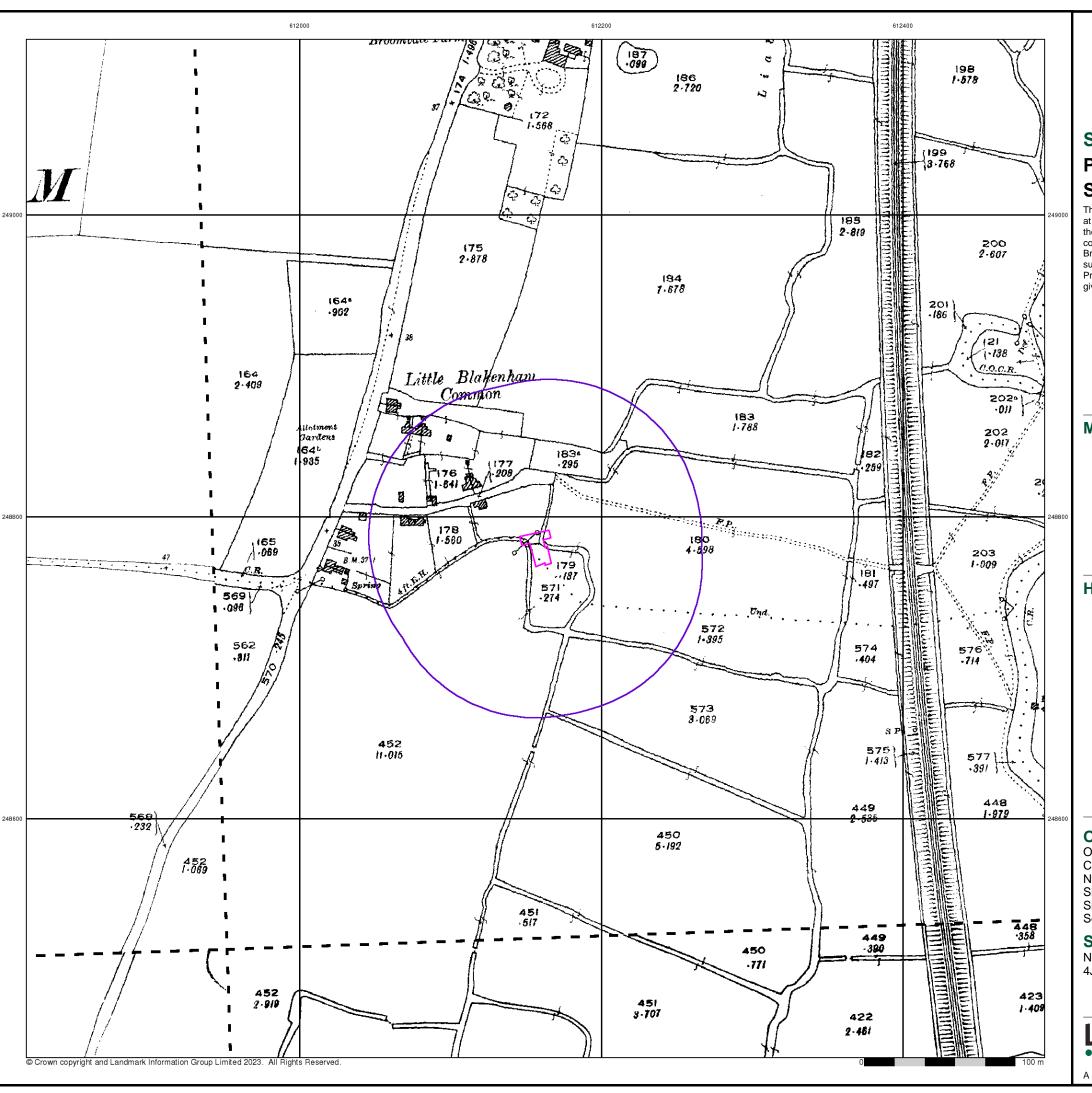
# **Site Details**

No.07 The Common, Little Blakenham, IPSWICH, Suffolk, IP8

Landmark

0844 844 9952 0844 844 9951

A Landmark Information Group Service v50.0 22-May-2023 Page 3 of 11



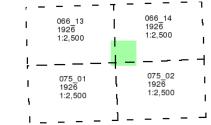


# Suffolk

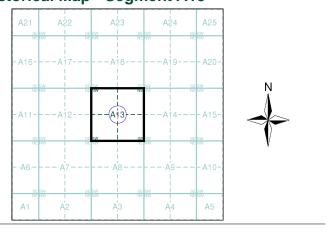
# **Published 1926** Source map scale - 1:2,500

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

# Map Name(s) and Date(s)



# **Historical Map - Segment A13**



### **Order Details**

Order Number: 311608665\_1\_1 Customer Ref: 2240230522 National Grid Reference: 612160, 248780

Slice:

Α Site Area (Ha): 0.03 Search Buffer (m): 100

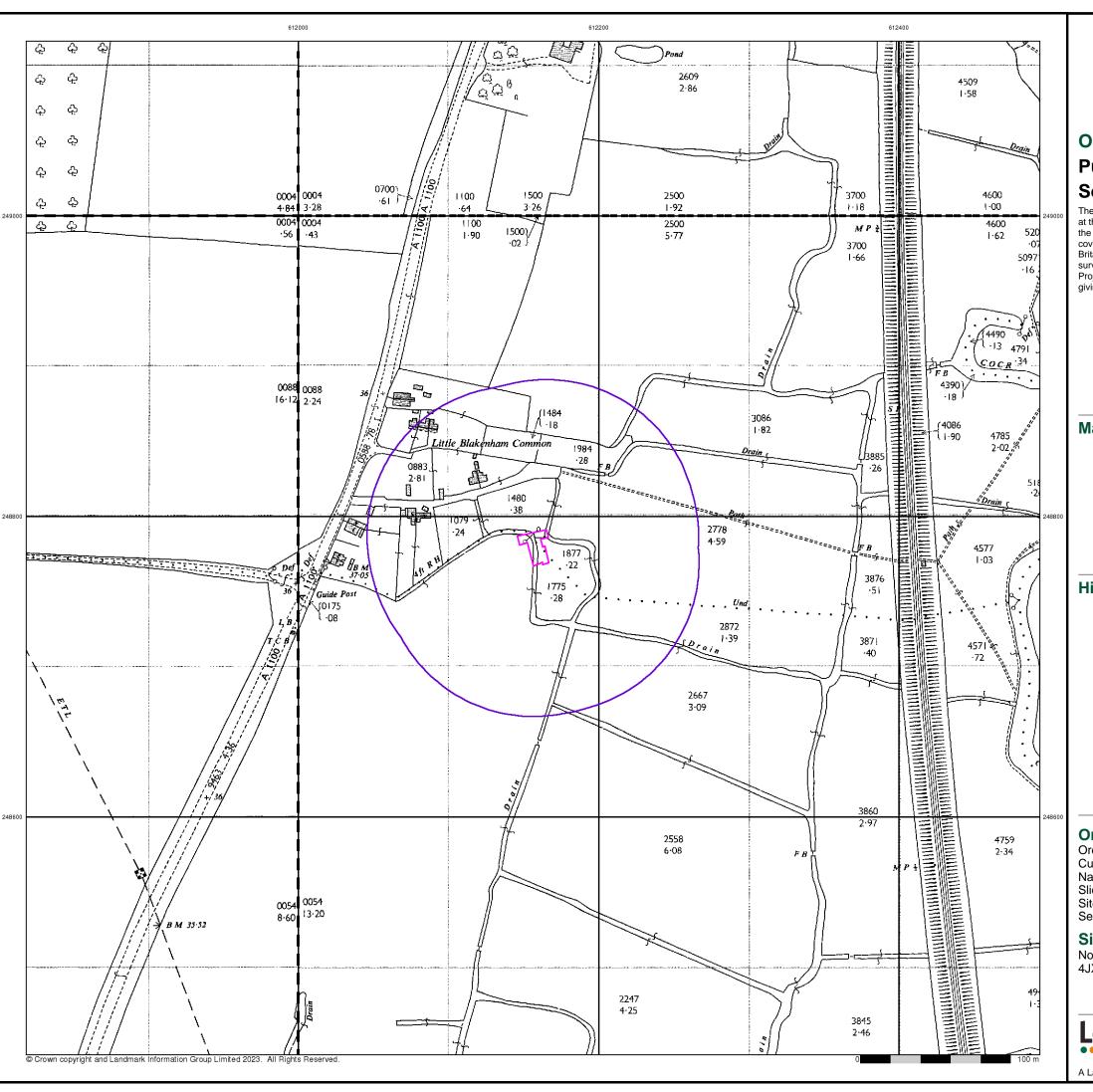
# **Site Details**

No.07 The Common, Little Blakenham, IPSWICH, Suffolk, IP8



0844 844 9952 0844 844 9951

A Landmark Information Group Service v50.0 22-May-2023 Page 4 of 11



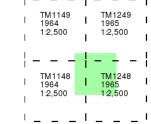


# Ordnance Survey Plan Published 1964 - 1965

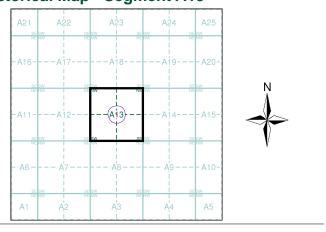
# Source map scale - 1:2,500

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

# Map Name(s) and Date(s)



# **Historical Map - Segment A13**



### **Order Details**

Order Number: 311608665\_1\_1
Customer Ref: 2240230522
National Grid Reference: 612160, 248780

Slice:

Site Area (Ha): 0.03 Search Buffer (m): 100

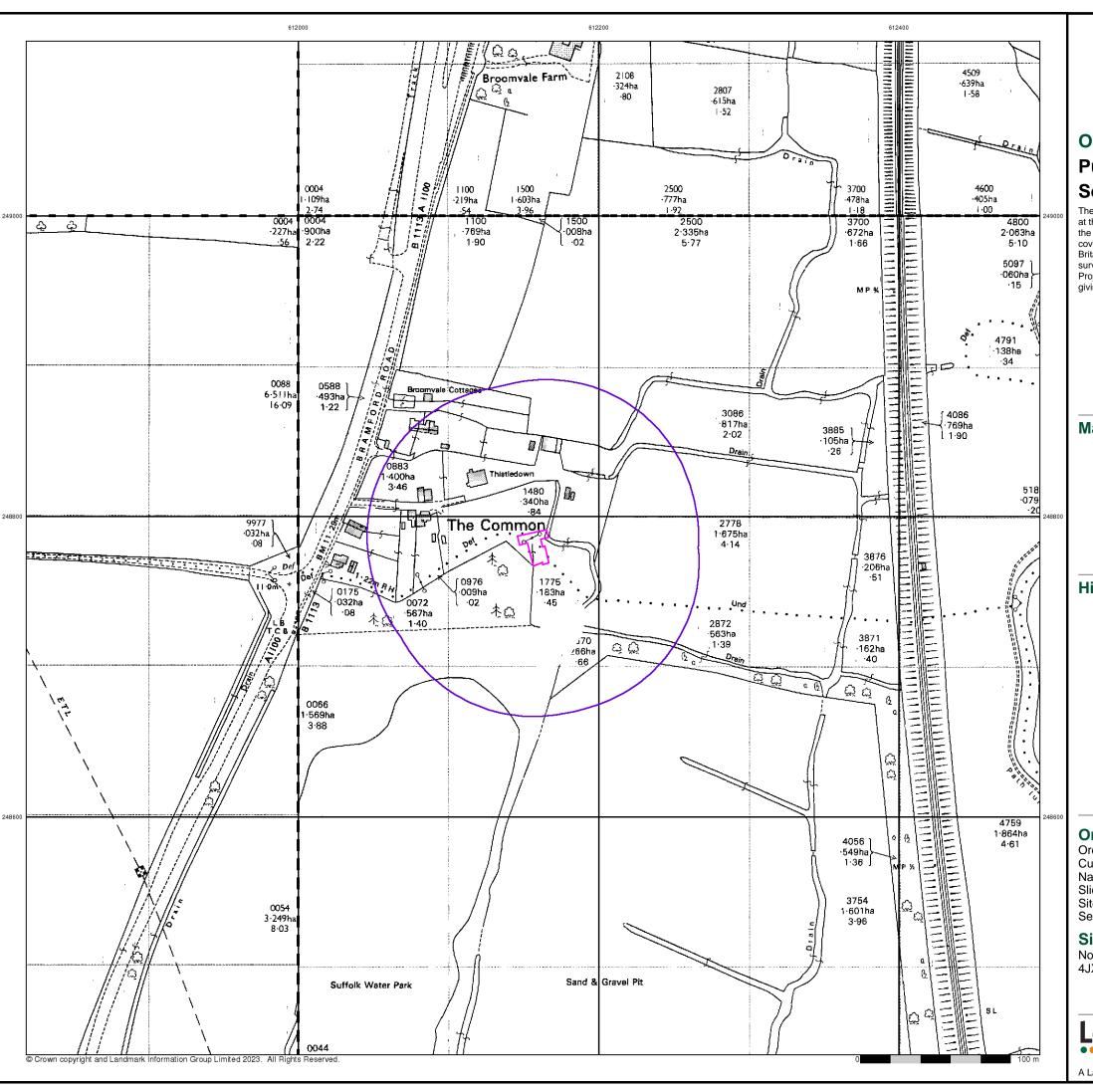
### **Site Details**

No.07 The Common, Little Blakenham, IPSWICH, Suffolk, IP8 4.JX



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A Landmark Information Group Service v50.0 22-May-2023 Page 5 of 11

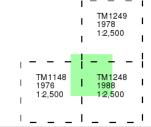




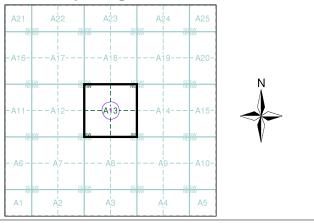
# Ordnance Survey Plan Published 1976 - 1988 Source map scale - 1:2,500

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

# Map Name(s) and Date(s)



# **Historical Map - Segment A13**



# Order Details

Order Number: 311608665\_1\_1
Customer Ref: 2240230522
National Grid Reference: 612160, 248780

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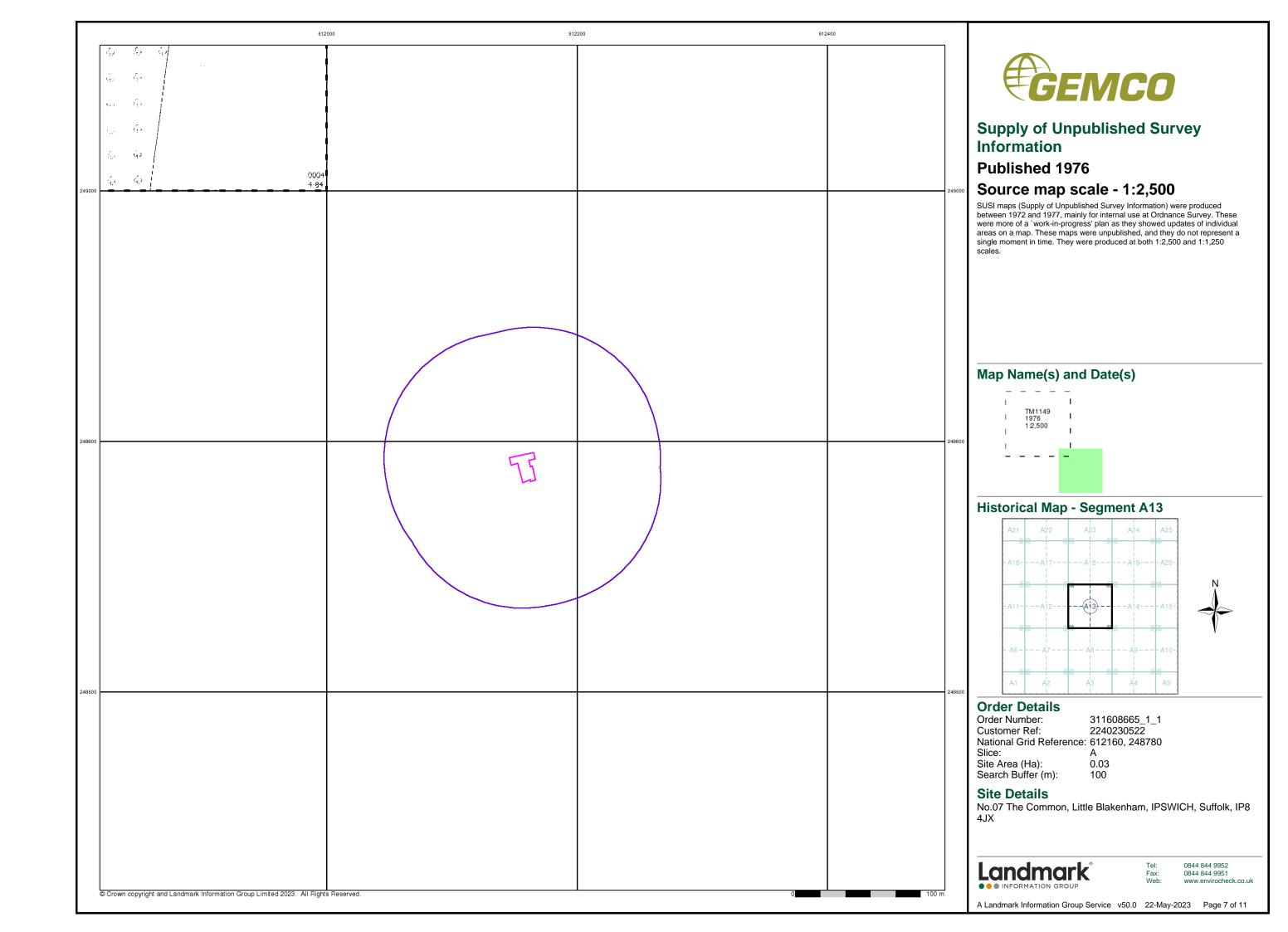
### **Site Details**

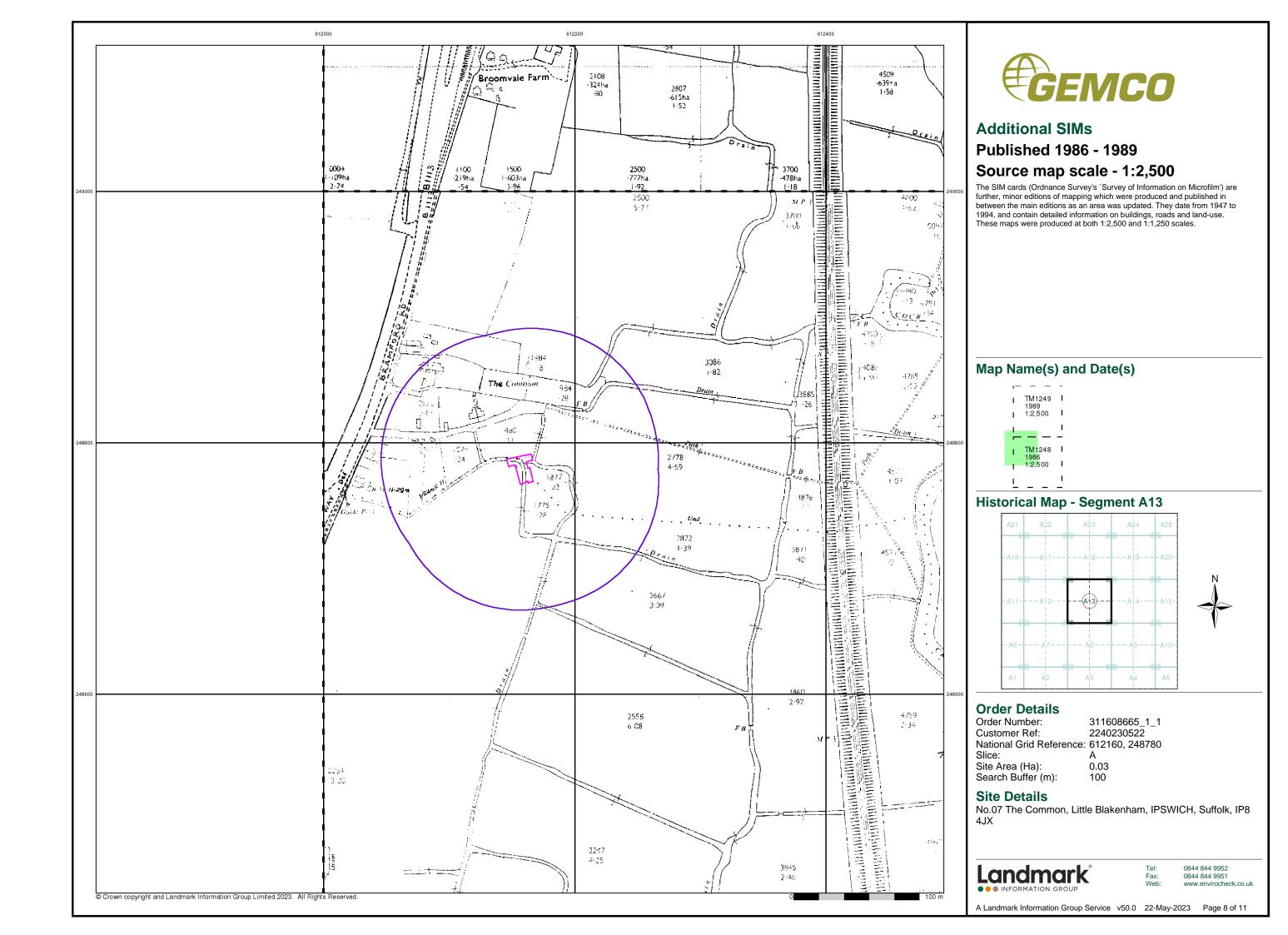
No.07 The Common, Little Blakenham, IPSWICH, Suffolk, IP8 4.JX

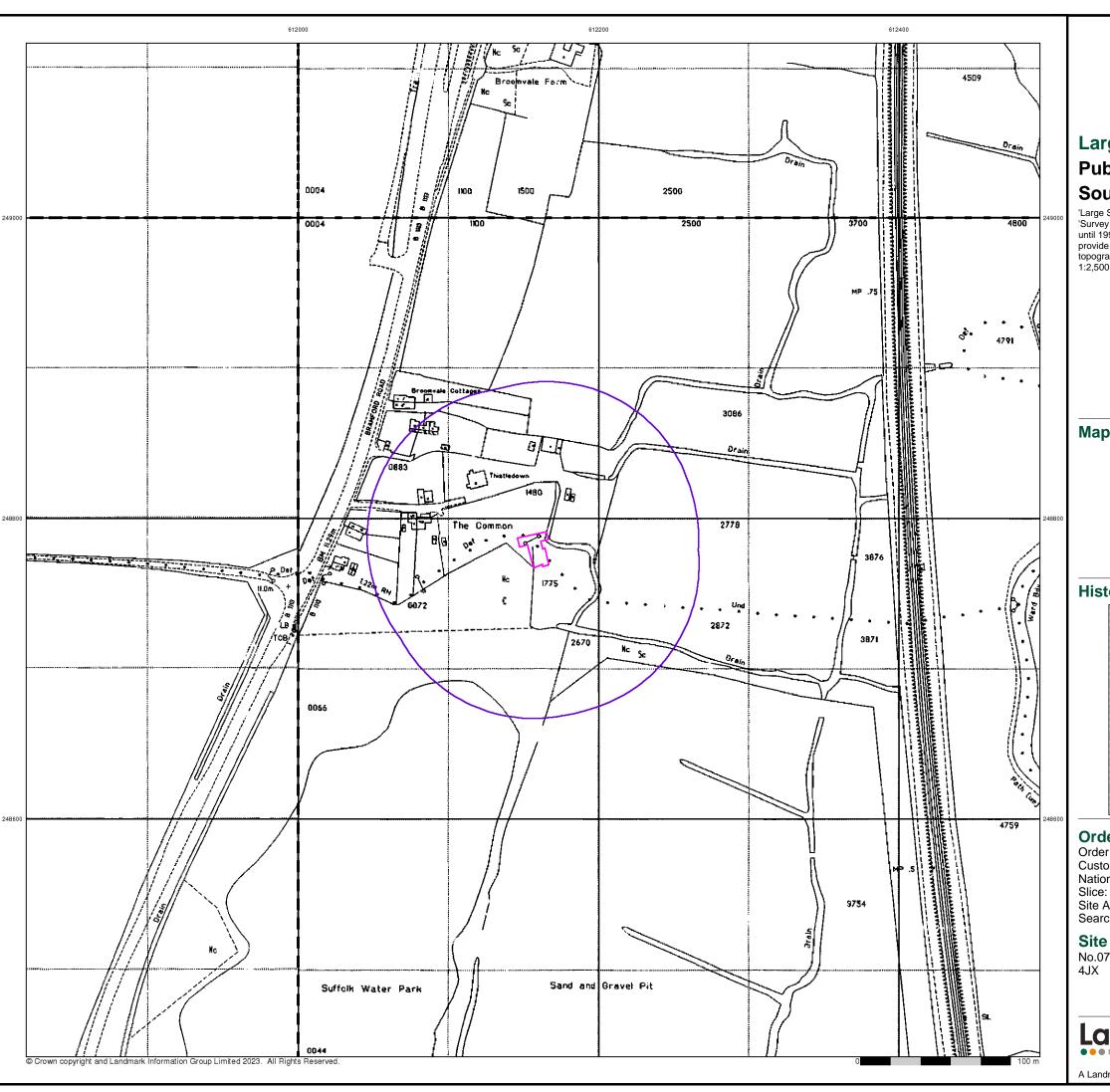


Tel: 0844 844 9952 Fax: 0844 844 9951 Web: www.envirocheck.co.uk

A Landmark Information Group Service v50.0 22-May-2023 Page 6 of 11









# **Large-Scale National Grid Data**

# **Published 1994**

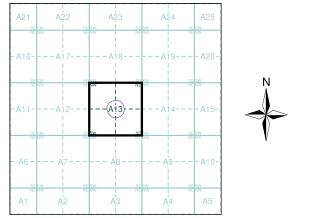
# Source map scale - 1:2,500

'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)

 	TM1149 1994 1:2,500	1	TM12 1994 1:2,50	! !
_ !	— — TM1148 1994 1:2,500	<u>-</u>   	TM12 1994 1:2,50	   
1		I		I

# **Historical Map - Segment A13**



# **Order Details**

Order Number: 311608665\_1\_1 2240230522 Customer Ref: National Grid Reference: 612160, 248780

Site Area (Ha): Search Buffer (m): 0.03 100

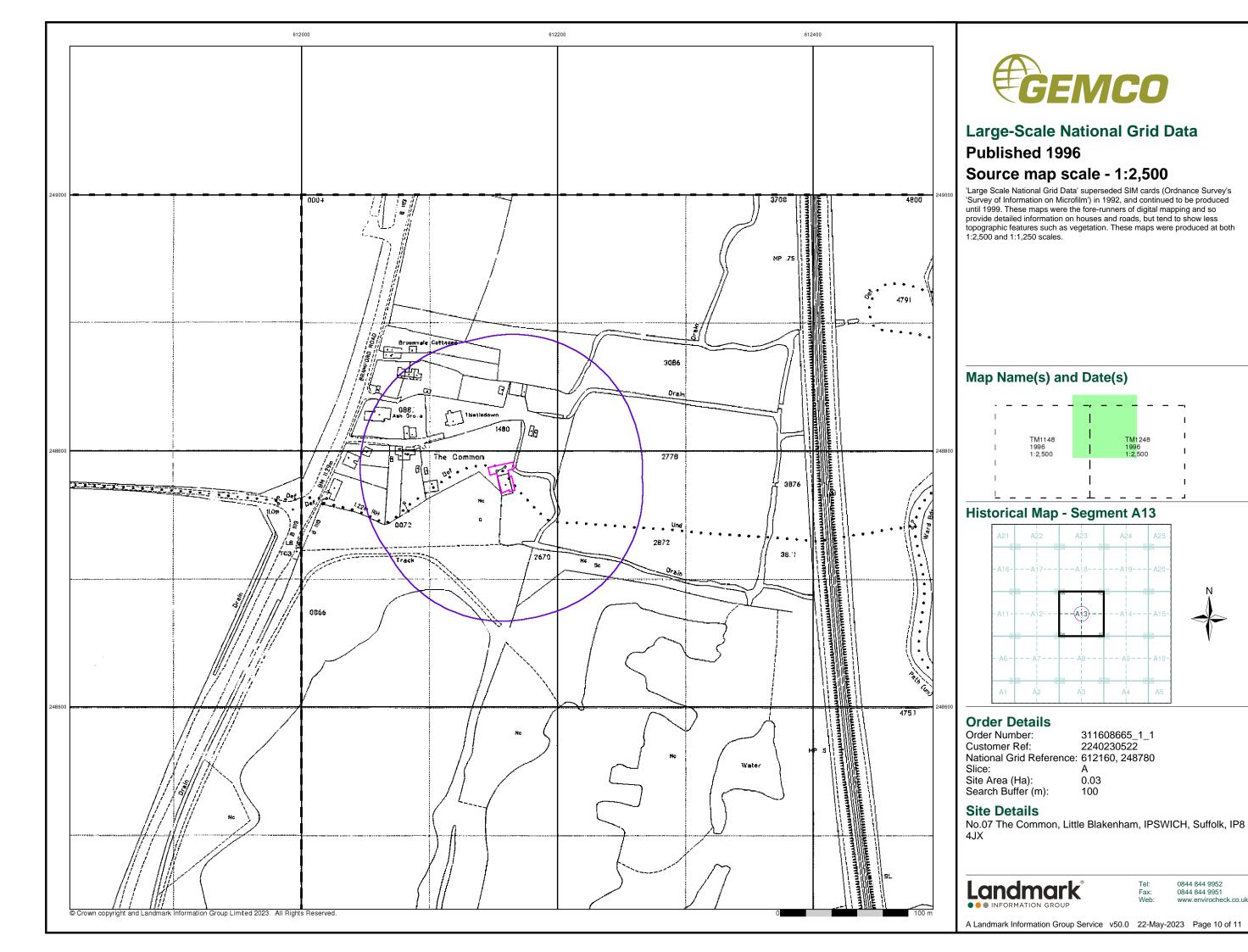
### **Site Details**

No.07 The Common, Little Blakenham, IPSWICH, Suffolk, IP8

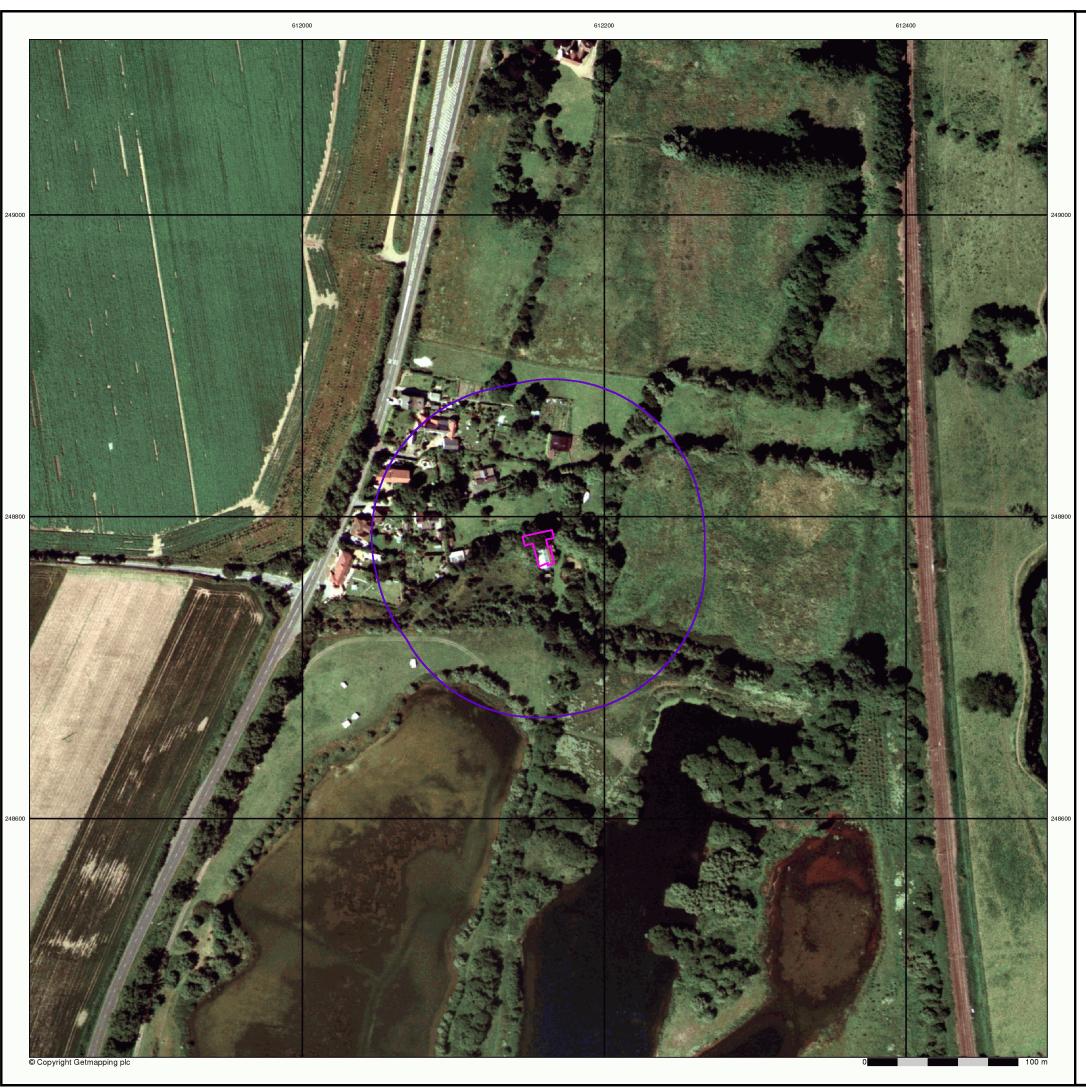
Landmark

0844 844 9952

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0844 844 9952

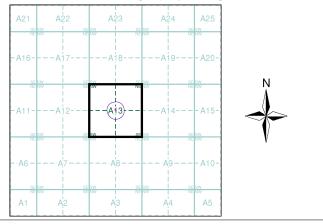




# **Historical Aerial Photography** Published 1999

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 A13**



# **Order Details**

Order Number: 311608665\_1\_1
Customer Ref: 2240230522
National Grid Reference: 612160, 248780

Slice:

Site Area (Ha): Search Buffer (m): 0.03

# **Site Details**

No.07 The Common, Little Blakenham, IPSWICH, Suffolk, IP8

Landmark

INFORMATION GROUP

0844 844 9952 0844 844 9951

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