

Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	MGR	Made Ground (Undivided)	Artificial Deposit	Not Supplied - Holocene

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	HEAD1	Head, 1	Clay, Silt, Sand and Gravel	Not Supplied - Quaternary
	HEAD	Head	Clay, Silt, Sand and Gravel	Not Supplied - Quaternary
	CWF	Clay-with-flints Formation	Clay, Silt, Sand and Gravel	Not Supplied - MIOCENE

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	NCK	Newhaven Chalk Formation	Chalk	Not Supplied - Santonian
	SECK	Seaford Chalk Formation	Chalk	Not Supplied - Coniacian
	LECH	Lewes Nodular Chalk Formation	Chalk	Not Supplied - Turonian
	NPCH	New Pit Chalk Formation	Chalk	Not Supplied - Turonian
		Faults		



Geo-Environmental

Geology 1:50,000 Maps

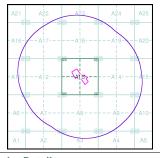
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published 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: Alresford 1999 Map Date: Available Superficial Geology: Artificial Geology: Not Supplied Landslip: Available Not Supplied

Geology 1:50,000 Maps - Slice A





Order Details:

214351777_1_1 GE18473 Order Number: Customer Reference: National Grid Reference: 466750, 135750 Site Area (Ha): Search Buffer (m): 3.28 1000

Site Details:

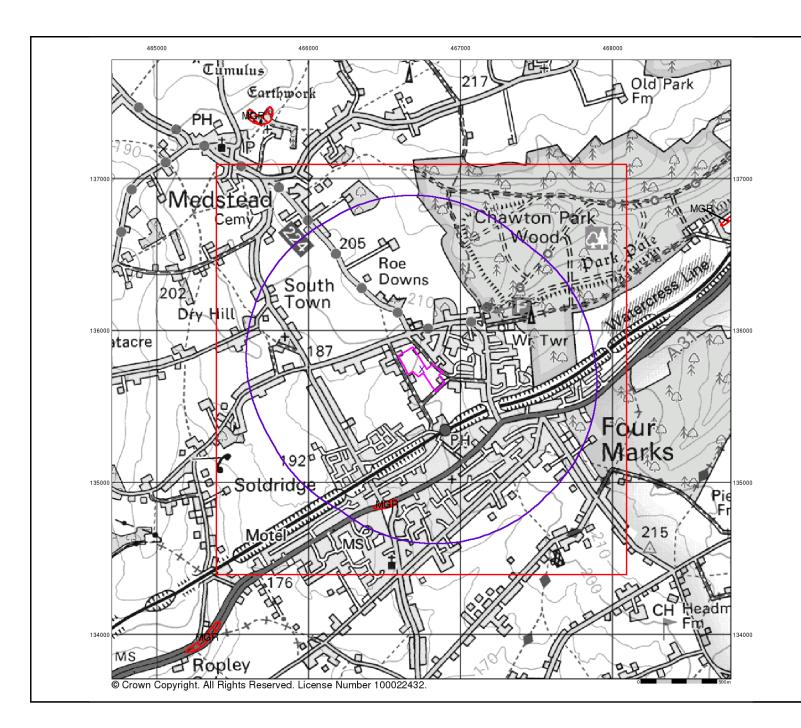
Land at Beechlands Road, Medstead, ALTON, GU34 5EQ



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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.

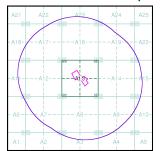
Artificial ground includes:

- 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 A





Order Details:

Order Number: Customer Reference: 214351777_1_1 GE18473 National Grid Reference: 466750, 135750 A 3.28

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

Site Details:

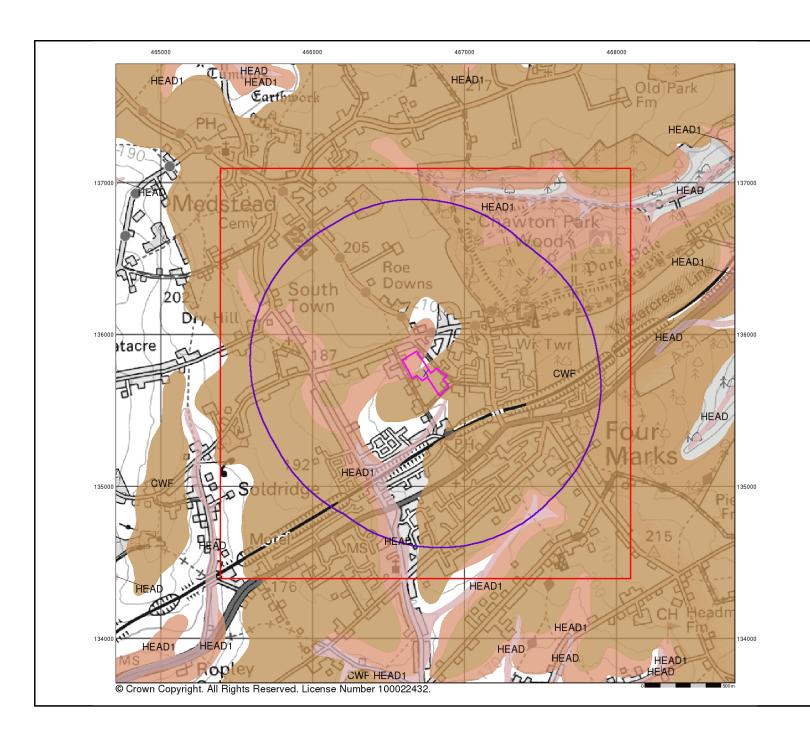
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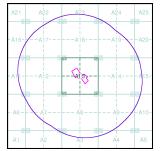
Superficial Geology

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:
 214351777_1_1

 Customer Reference:
 GE18473

 National Grid Reference:
 466750, 135750

 Slice:
 A

 Site Area (Ha):
 3.28

 Search Buffer (m):
 1000

Site Details:

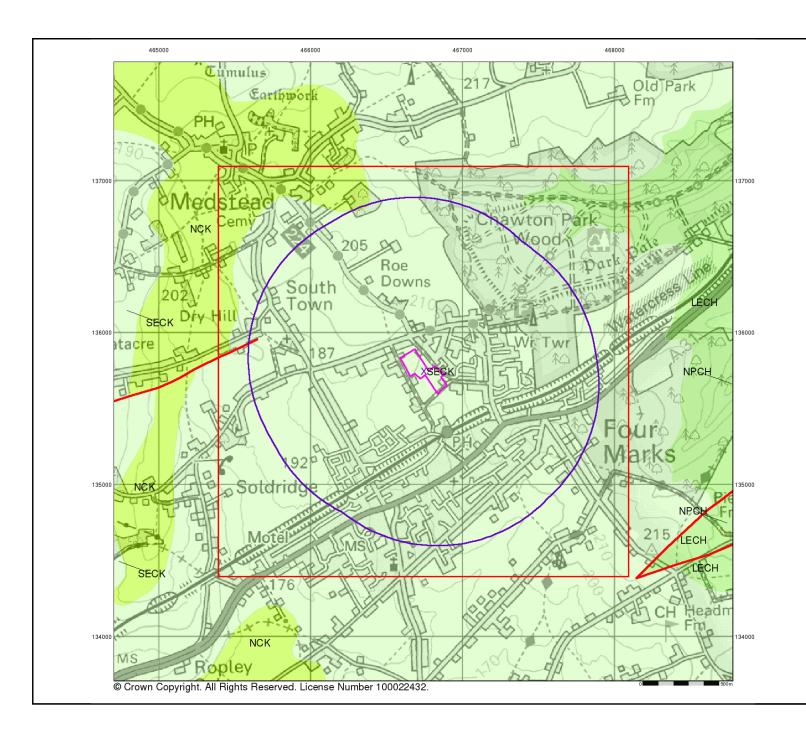
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Bedrock and Faults

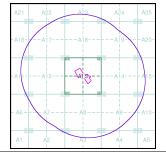
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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 A



Order Details:

Order Number: Customer Reference: 214351777_1_1 GE18473 National Grid Reference: 466750, 135750 A 3.28 Site Area (Ha): Search Buffer (m): 1000

Site Details:

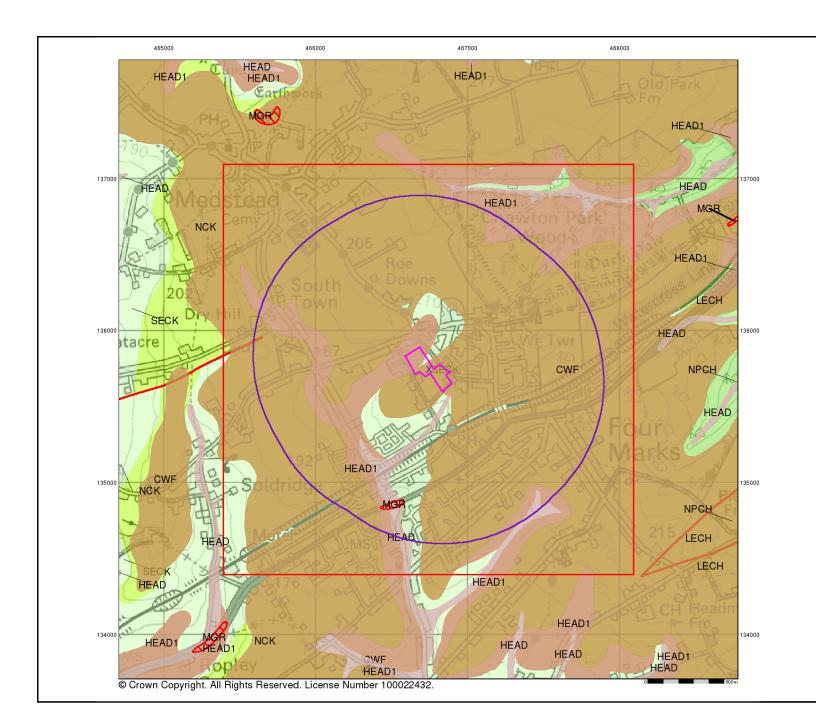
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Combined Surface Geology

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.

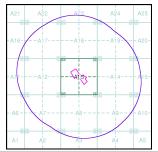
Additional Information

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 A





Order Details:

Order Number: 214351777_1_1
Customer Reference: GE18473
National Grid Reference: 466750, 135750
Slice: A
Site Area (Ha): 3.28
Search Buffer (m): 1000

Site Details:

Land at Beechlands Road, Medstead, ALTON, GU34 5EQ



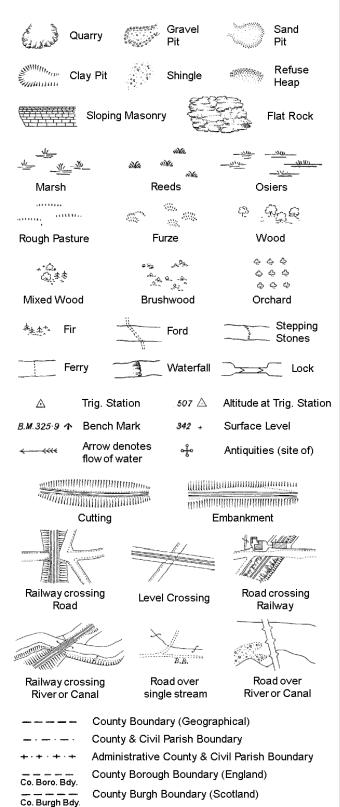
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Historical Mapping Legends

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



B.R.

EP

F.B.

M.S

Bridle Road

Foot Bridge

Mile Stone

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

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

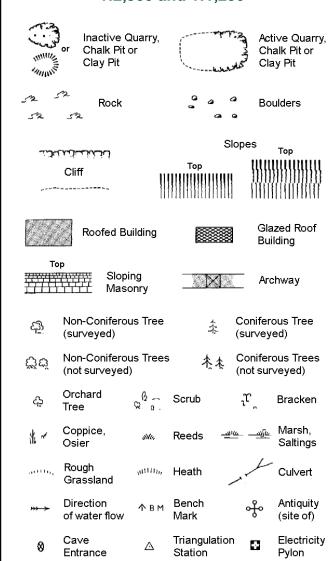
Trough Well

S.P

Sl.

Tr:

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

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

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	Positioned	Boulder		Scree	
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Çç	Non-Conif (not surve	erous Trees yed)	* **		rous Trees rveyed)
65	Orchard Tree	Q a.	Scrub	$^{j}_{\mathcal{K}}$	Bracken
* ~	Coppice, Osier	strte,	Reeds	<u>-11)[6</u>	Marsh, Saltings
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		Civil parieb	/community	houndan	,
		•	_	boundar	,
		District bou	-		
_ •		County boo	ındary		
٥		Boundary p			
مر			nereing syn ear in oppo		
Bks	Barracks		Р	Pillar, P	ole or Post
Bty	Battery		РО	Post Of	
Cemy	Cemetery		PC	Public (	Convenience
Chy	Chimney		Pp	Pump	
Cis	Cistern		Ppg Sta	Pumpir	g Station
Dismtd R	ly Disman	tled Railway	PW	Place o	fWorship
El Gen St	a Electric Station	ity Generating	Sewage		Sewage Pumping Station
EIP	Electricity	Pole, Pillar	SB, S B		Box or Bridge
El Sub St	a Electricity	,	SP, SL	_	Post or Light
FB	Filter Bed		Spr	Spring	-

Fn / D Fn Fountain / Drinking Ftn.

Gas Governer

**Guide Post** 

Manhole

Gas Valve Compound

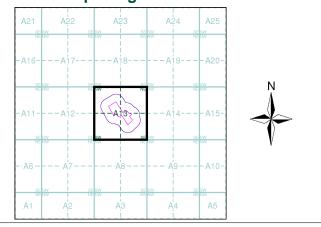
Mile Post or Mile Stone



# **Geo-Environmental Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Hampshire & Isle Of Wight	1:2,500	1870	2
Hampshire & Isle Of Wight	1:2,500	1870	3
Hampshire & Isle Of Wight	1:2,500	1896	4
Hampshire & Isle Of Wight	1:2,500	1910	5
Hampshire & Isle Of Wight	1:2,500	1937	6
Ordnance Survey Plan	1:2,500	1977	7
Additional SIMs	1:2,500	1986 - 1987	8
Additional SIMs	1:2,500	1990	9
Large-Scale National Grid Data	1:2,500	1994	10
Historical Aerial Photography	1:2,500	1999	11

# **Historical Map - Segment A13**



# **Order Details**

Order Number: 214351777_1_1 Customer Ref: GE18473 National Grid Reference: 466750, 135750 Slice:

Tank or Track

Works (building or area)

Trough

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

Tr

Wd Pp

Wks

Site Area (Ha): 3.28 Search Buffer (m): 100

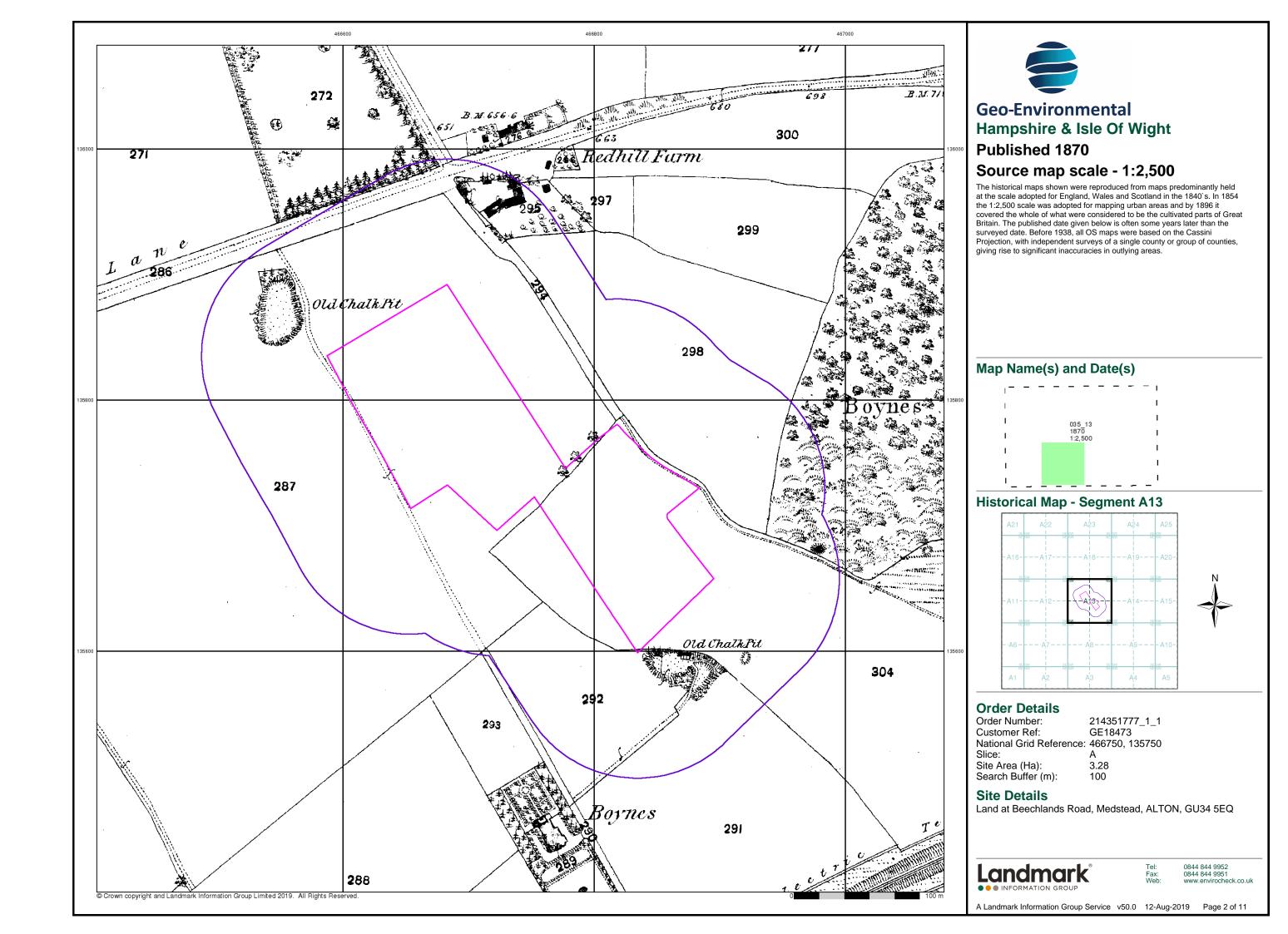
#### **Site Details**

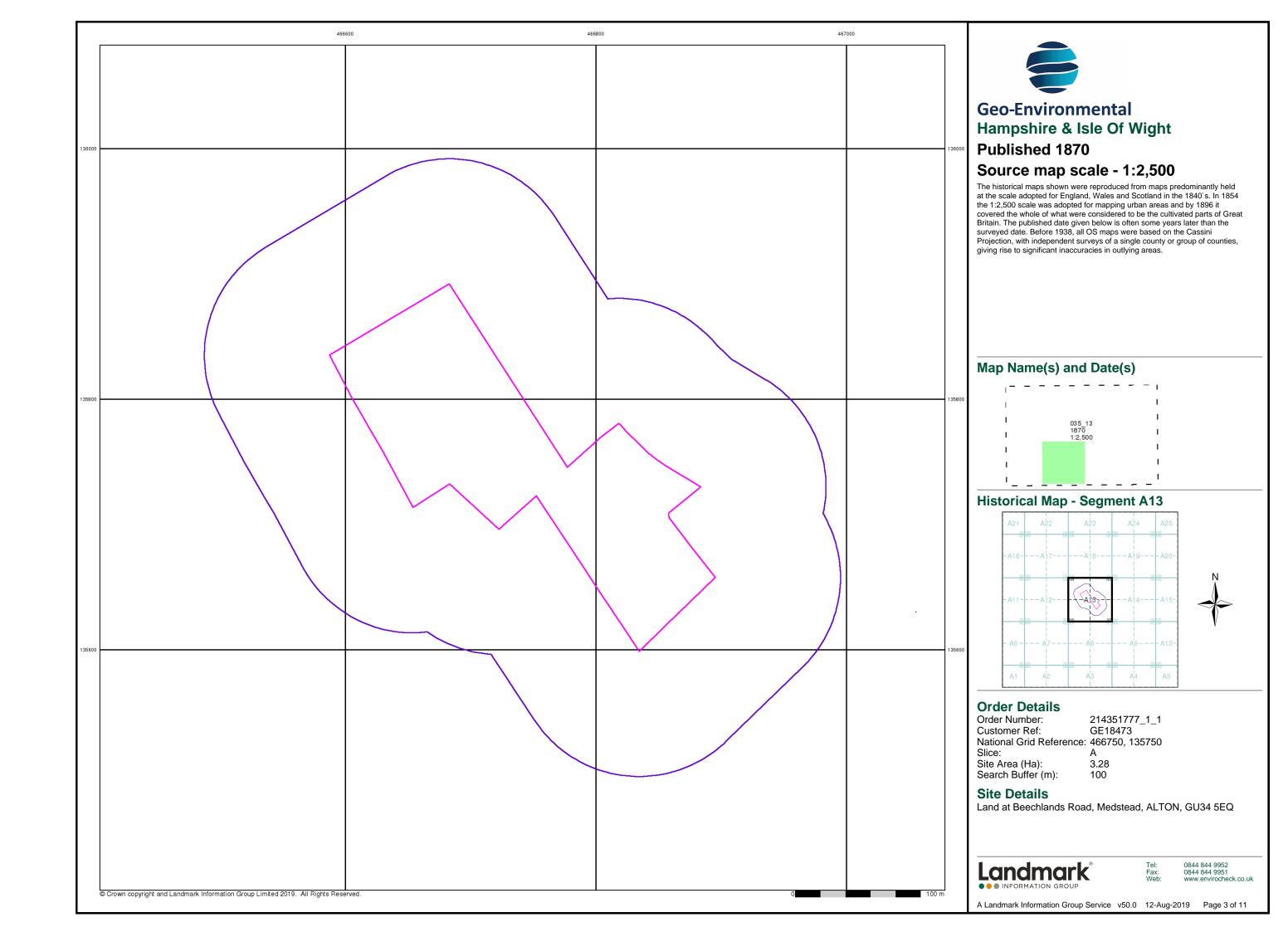
Land at Beechlands Road, Medstead, ALTON, GU34 5EQ

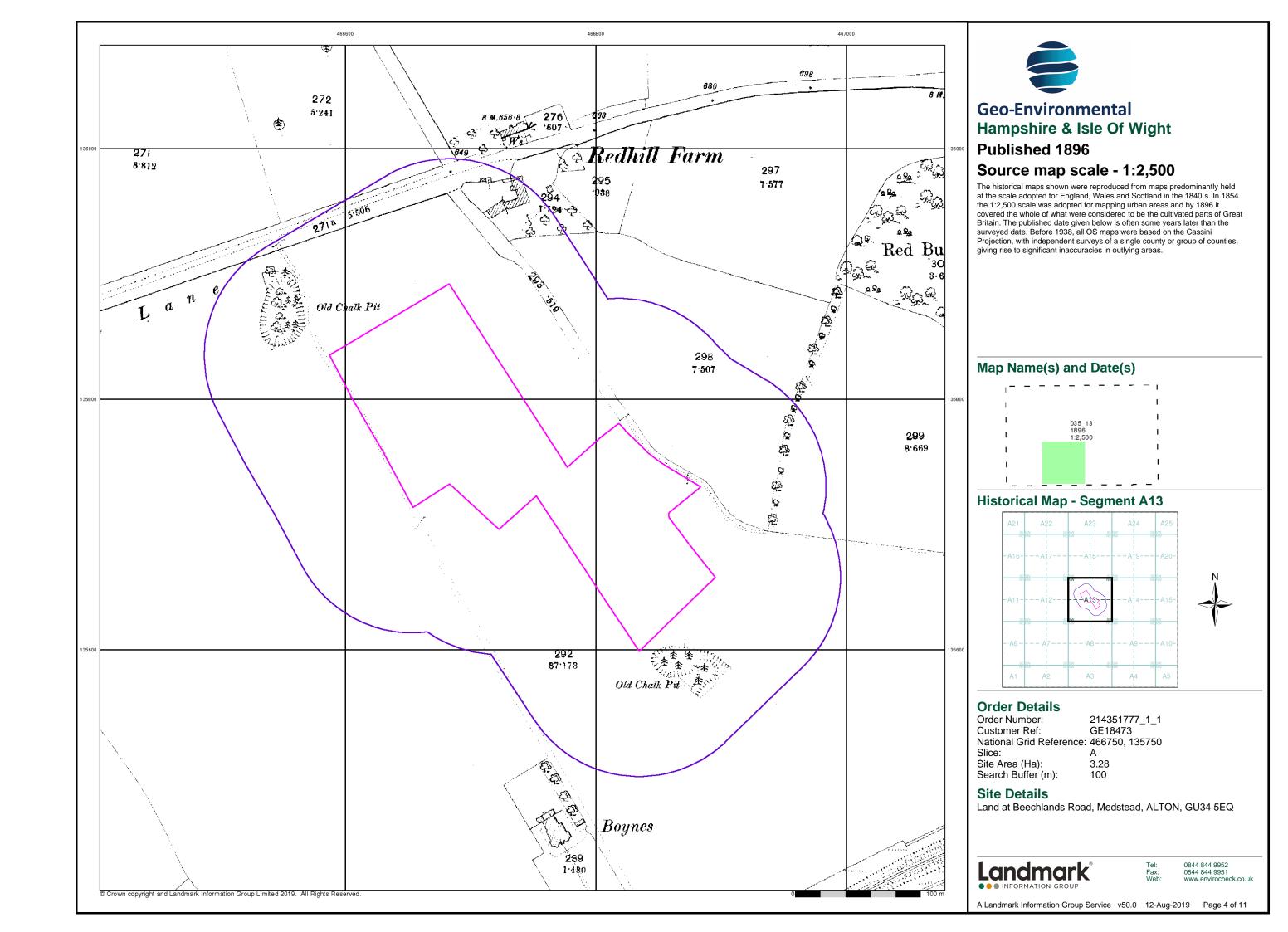


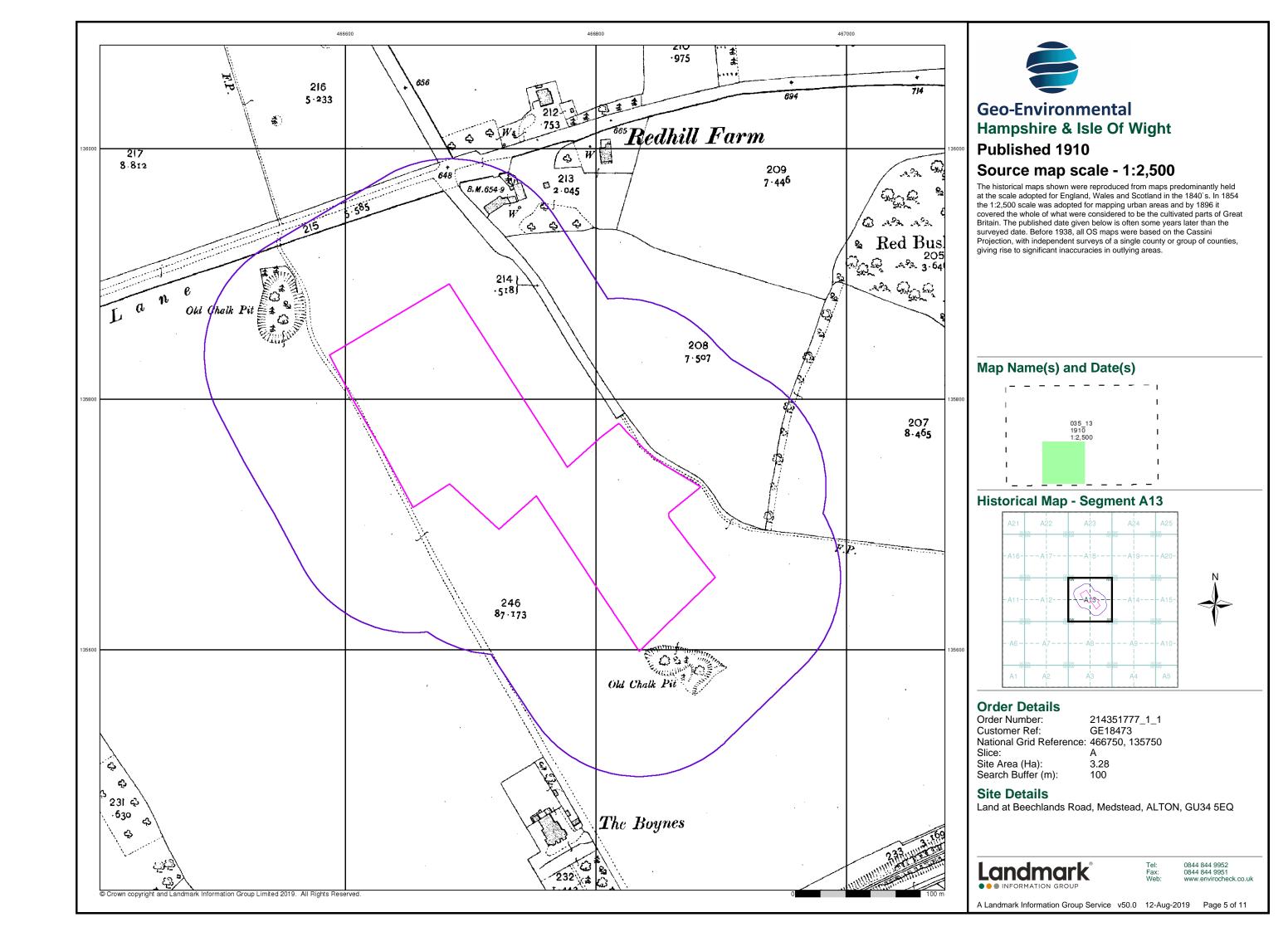
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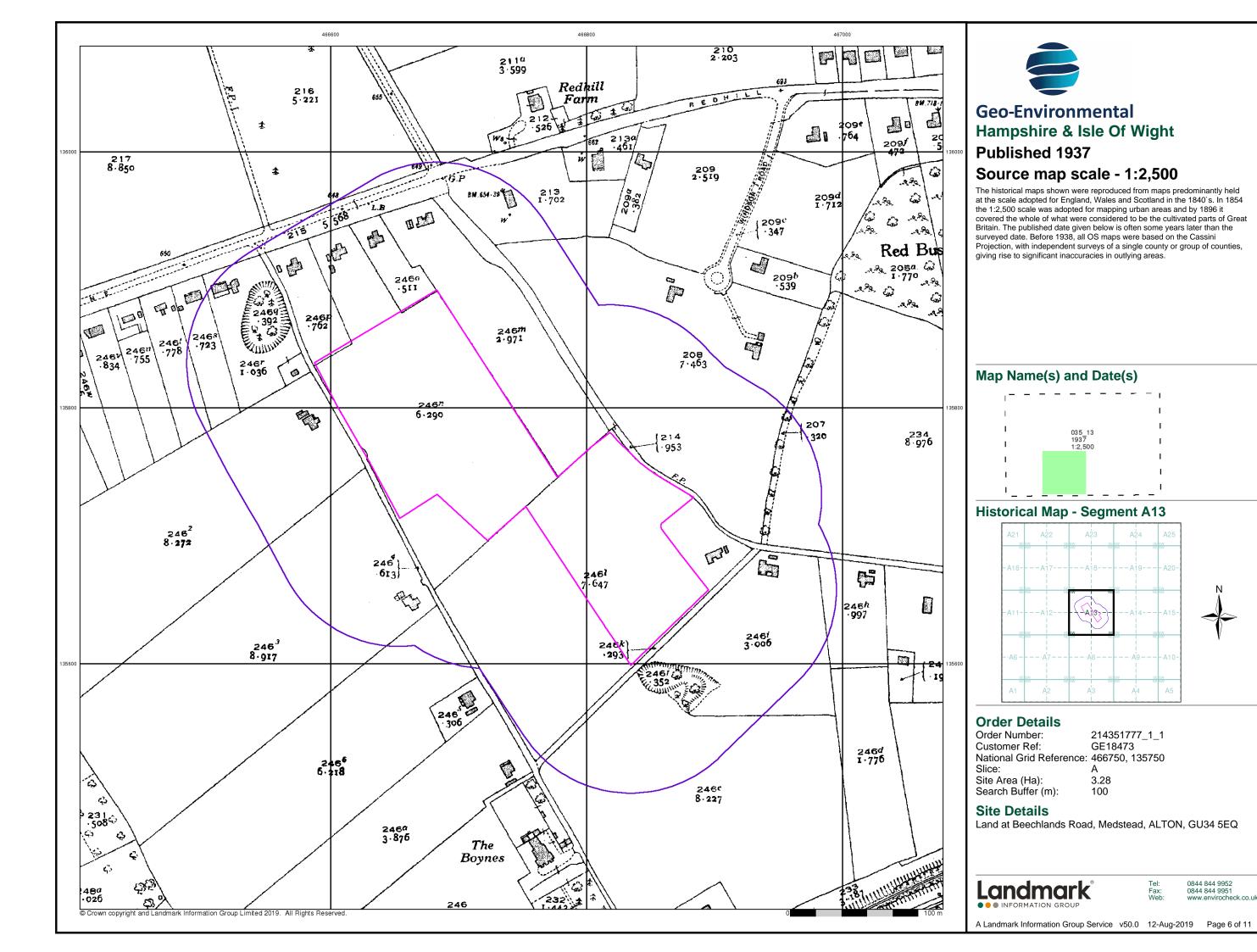
A Landmark Information Group Service v50.0 12-Aug-2019 Page 1 of 11

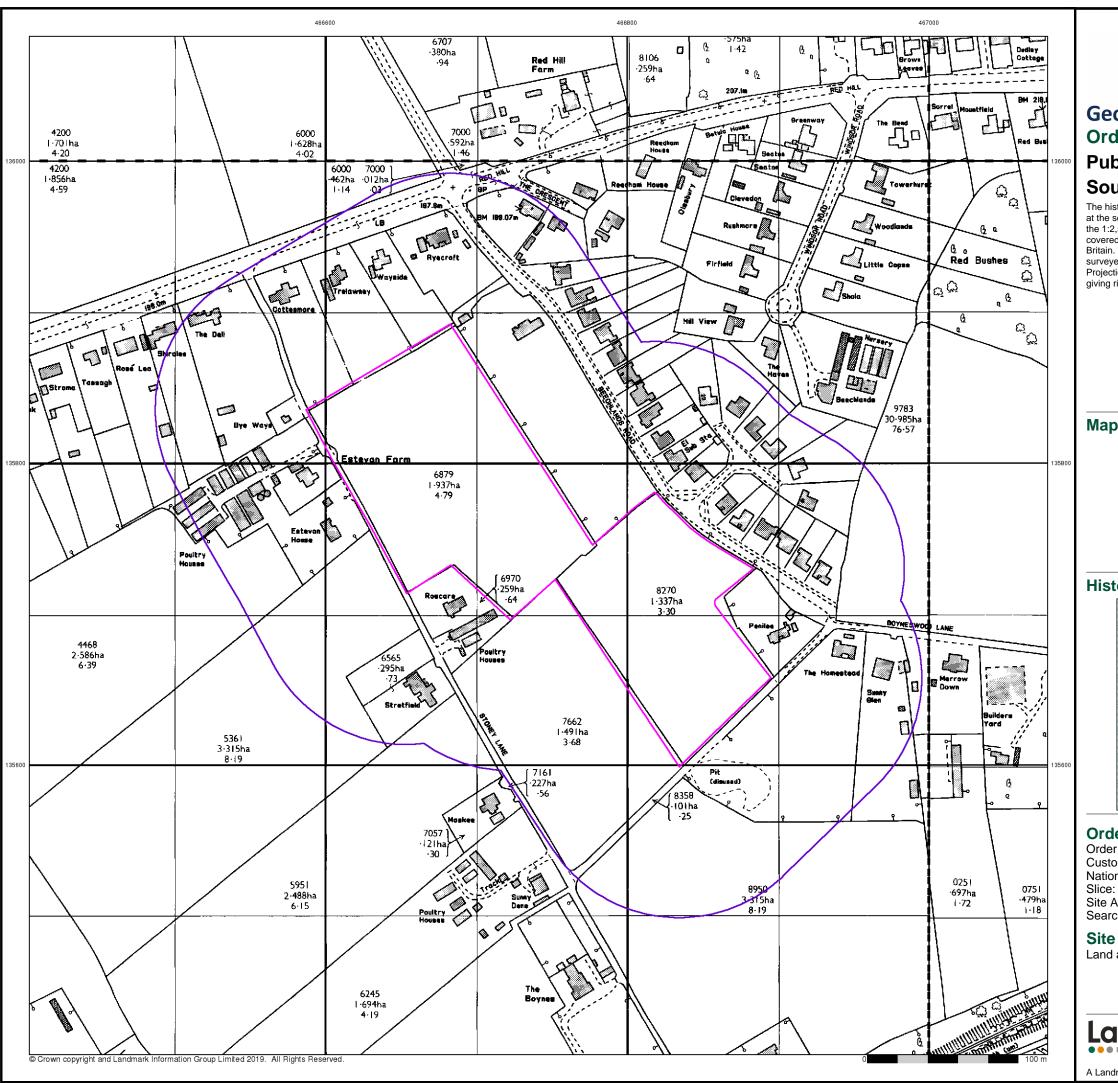














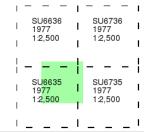
# Geo-Environmental Ordnance Survey Plan

# Published 1977

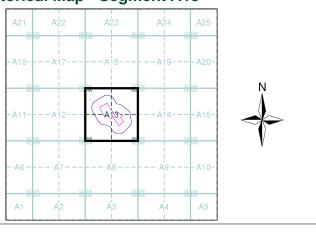
# Source map scale - 1:2,500

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: 214351777_1_1
Customer Ref: GE18473
National Grid Reference: 466750, 135750

ice:

Site Area (Ha): 3.28 Search Buffer (m): 100

#### **Site Details**

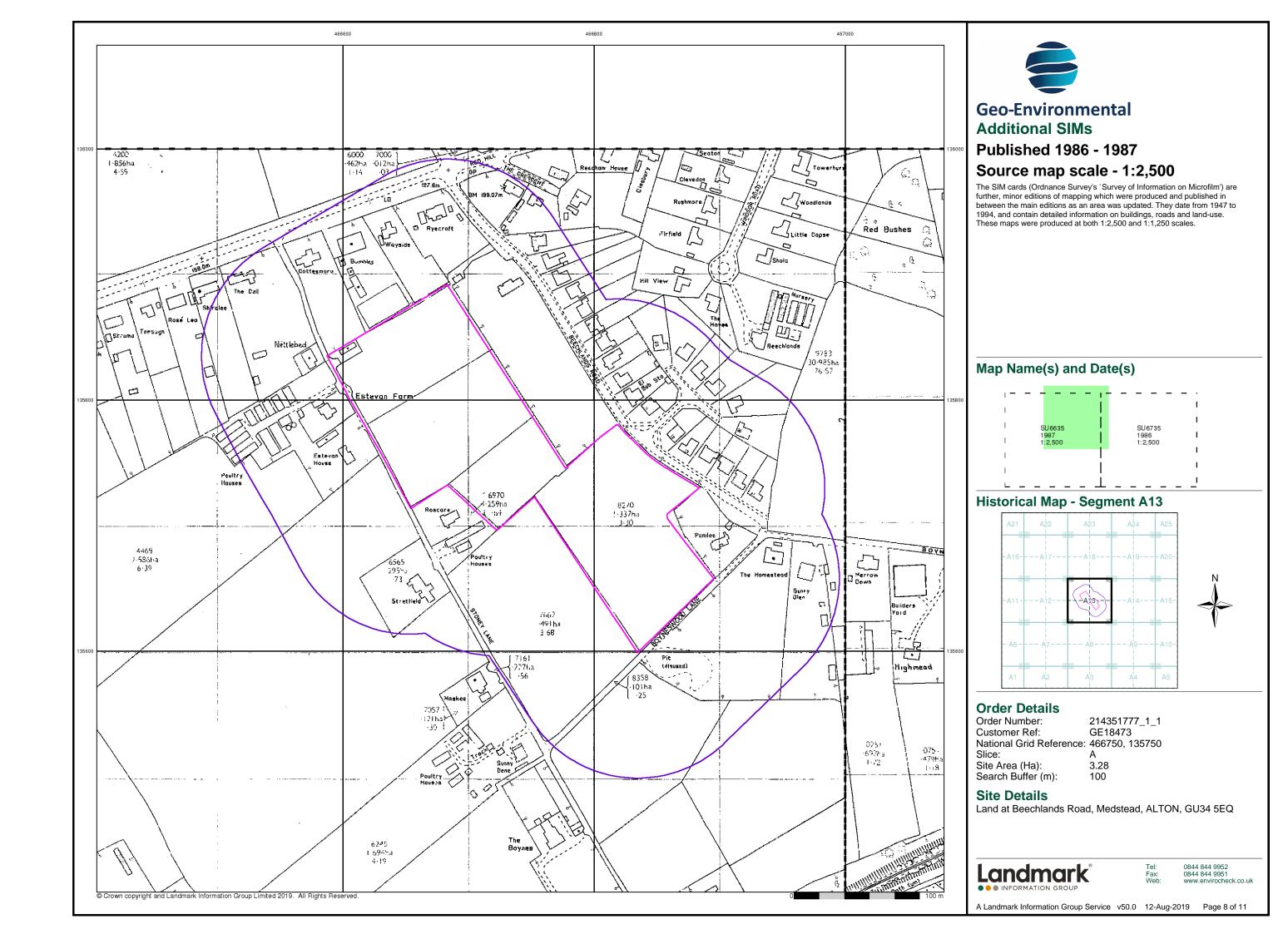
Land at Beechlands Road, Medstead, ALTON, GU34 5EQ

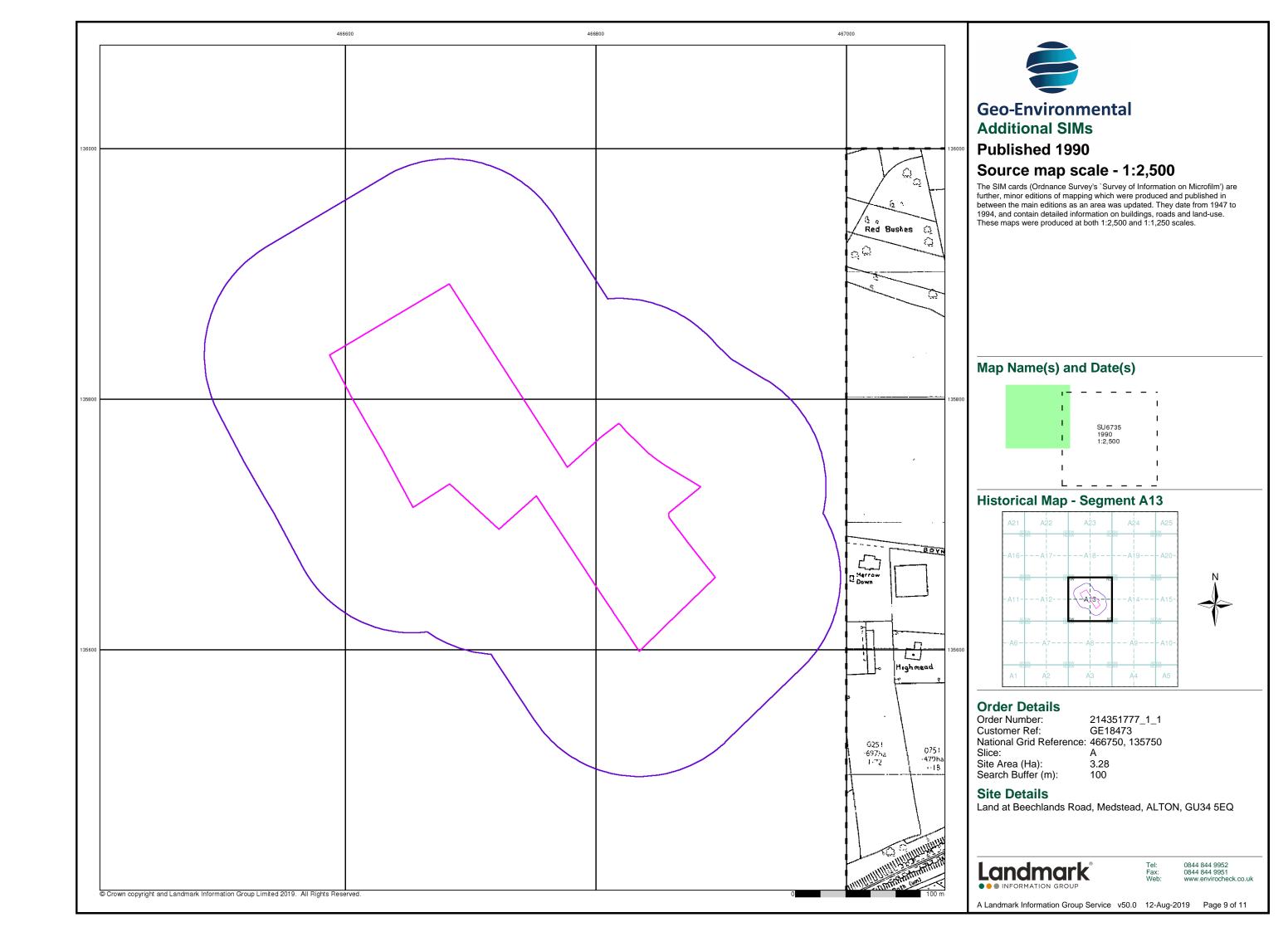
Landmark

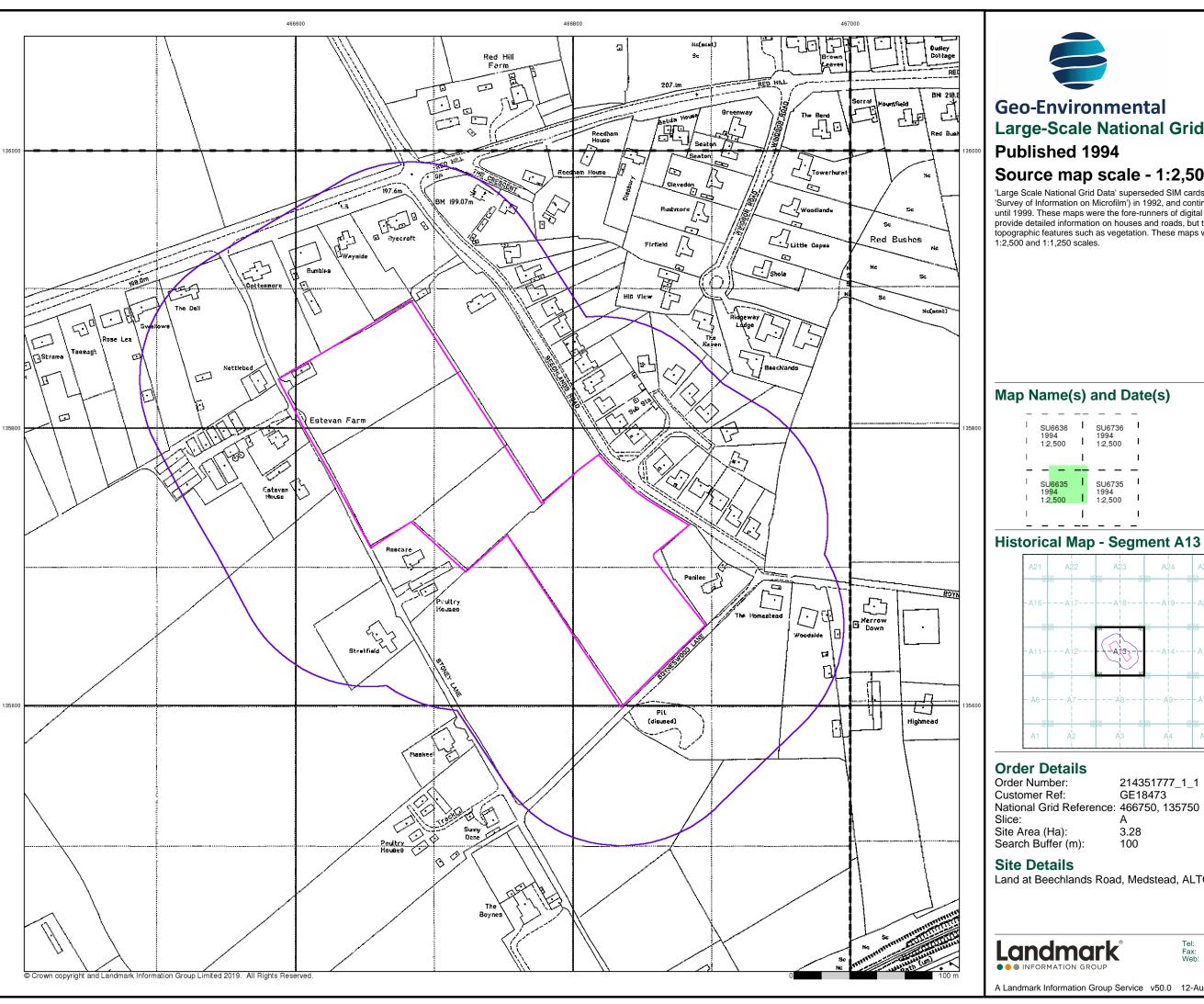
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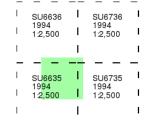


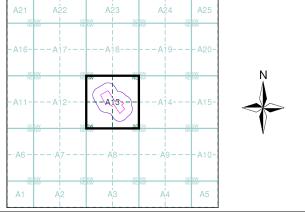


# **Large-Scale National Grid Data**

# 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





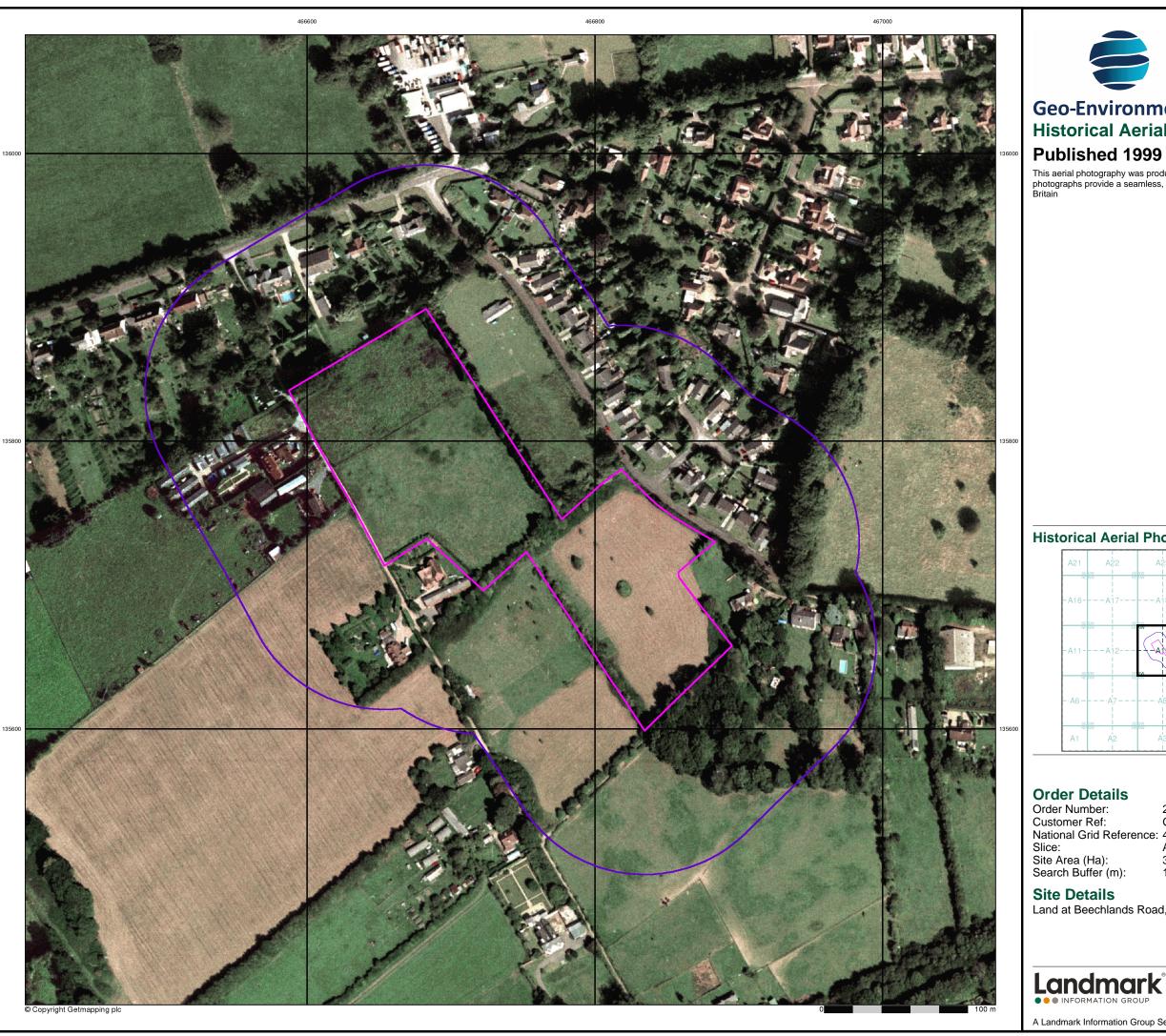
214351777_1_1 GE18473 National Grid Reference: 466750, 135750

3.28 100

Land at Beechlands Road, Medstead, ALTON, GU34 5EQ

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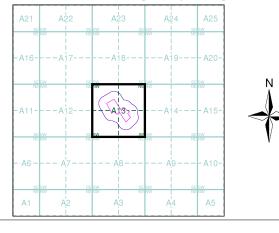
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This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

# **Historical Aerial Photography - Segment A13**



## **Order Details**

Order Number: 214351777_1_1
Customer Ref: GE18473
National Grid Reference: 466750, 135750

Slice: Site Area (Ha): Search Buffer (m): 3.28 100

### **Site Details**

Land at Beechlands Road, Medstead, ALTON, GU34 5EQ

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