

APPENDICES





APPENDIX A
DESK STUDY DATA

APPENDIX A1






Geological Maps

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	Flandrian - Flandrian
	HEAD	Head	Clay, Silt, Sand and Gravel	Quaternary - Quaternary
	HEAD	Head	Silt and Gravel	Quaternary - Quaternary
	HEAD	Head	Clay and Silt	Quaternary - Quaternary
	T4T5	River Terrace Deposits, 4 to 5	Sand and Gravel	Quaternary - Quaternary
	CWF	Clay-with-flints Formation	Clay, Silt, Sand and Gravel	Quaternary - Pliocene

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	MACK	Margate Chalk Member	Chalk	Campanian - Santonian
	SECK	Seaford Chalk Formation	Chalk	Santonian - Coniacian
	LECH	Lewes Nodular Chalk Formation	Chalk	Coniacian - Turonian
	NPCH	New Pit Chalk Formation	Chalk	Turonian - Turonian
		Faults		

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Geology 1:50,000 Maps

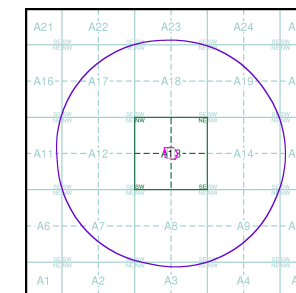
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published 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:	1
Map Sheet No:	289
Map Name:	Canterbury
Map Date:	1982
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Not Available
Faults:	Not Supplied
Landslip:	Available
Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice A



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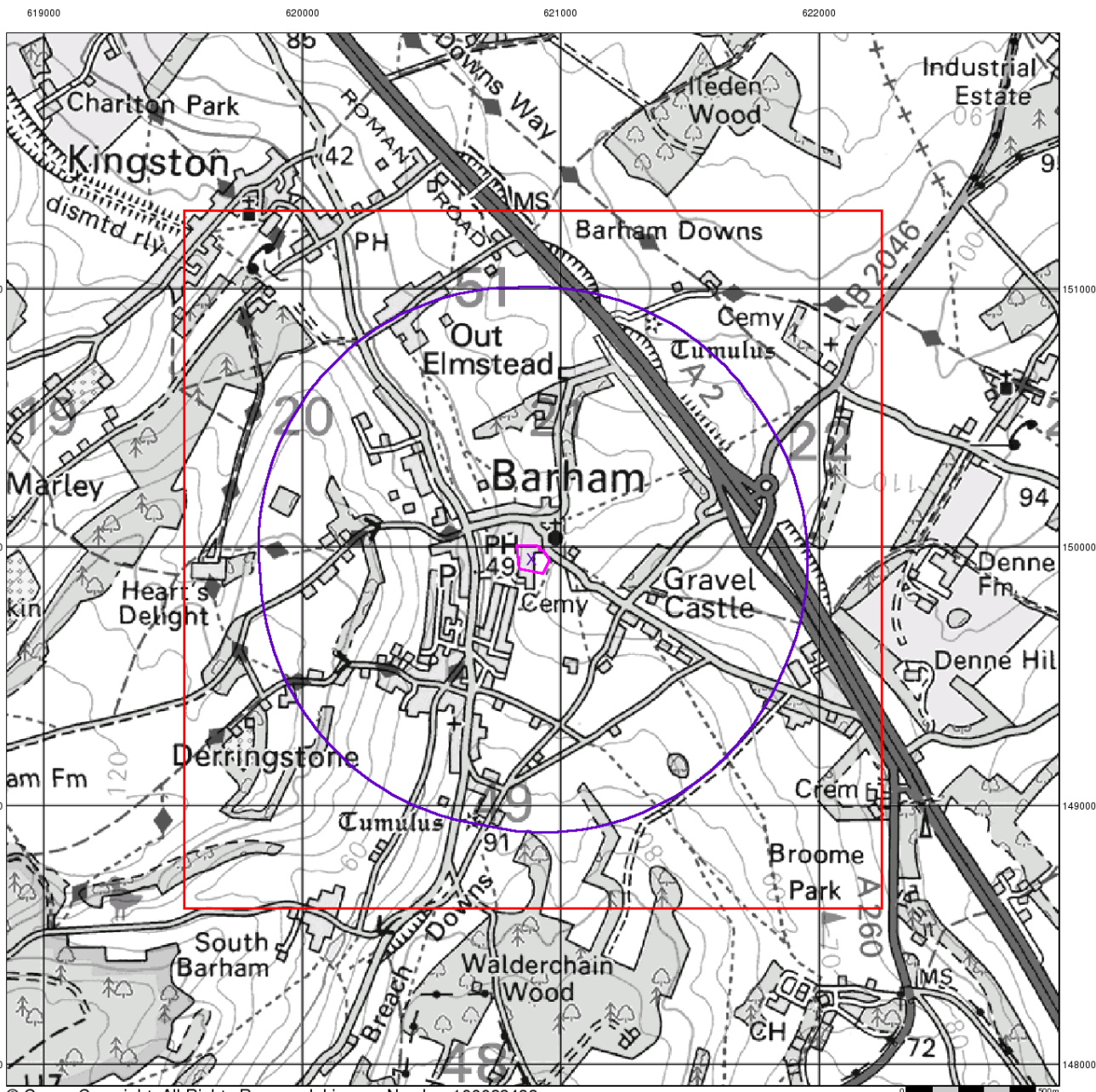
Order Number:	145426731_1_1
Customer Reference:	1044
National Grid Reference:	620890, 149960
Slice:	A
Site Area (Ha):	1.06
Search Buffer (m):	1000

Site Details:

Barham Court Farms, Barham Court Farm, Church Lane, Barham, CANTERBURY, CT4 6PB

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Artificial Ground and Landslip

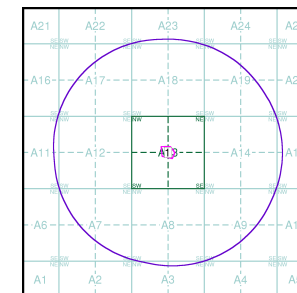
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

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 Customer Reference: 1044
 National Grid Reference: 620890, 149960
 Slice: A
 Site Area (Ha): 1.06
 Search Buffer (m): 1000

Site Details:

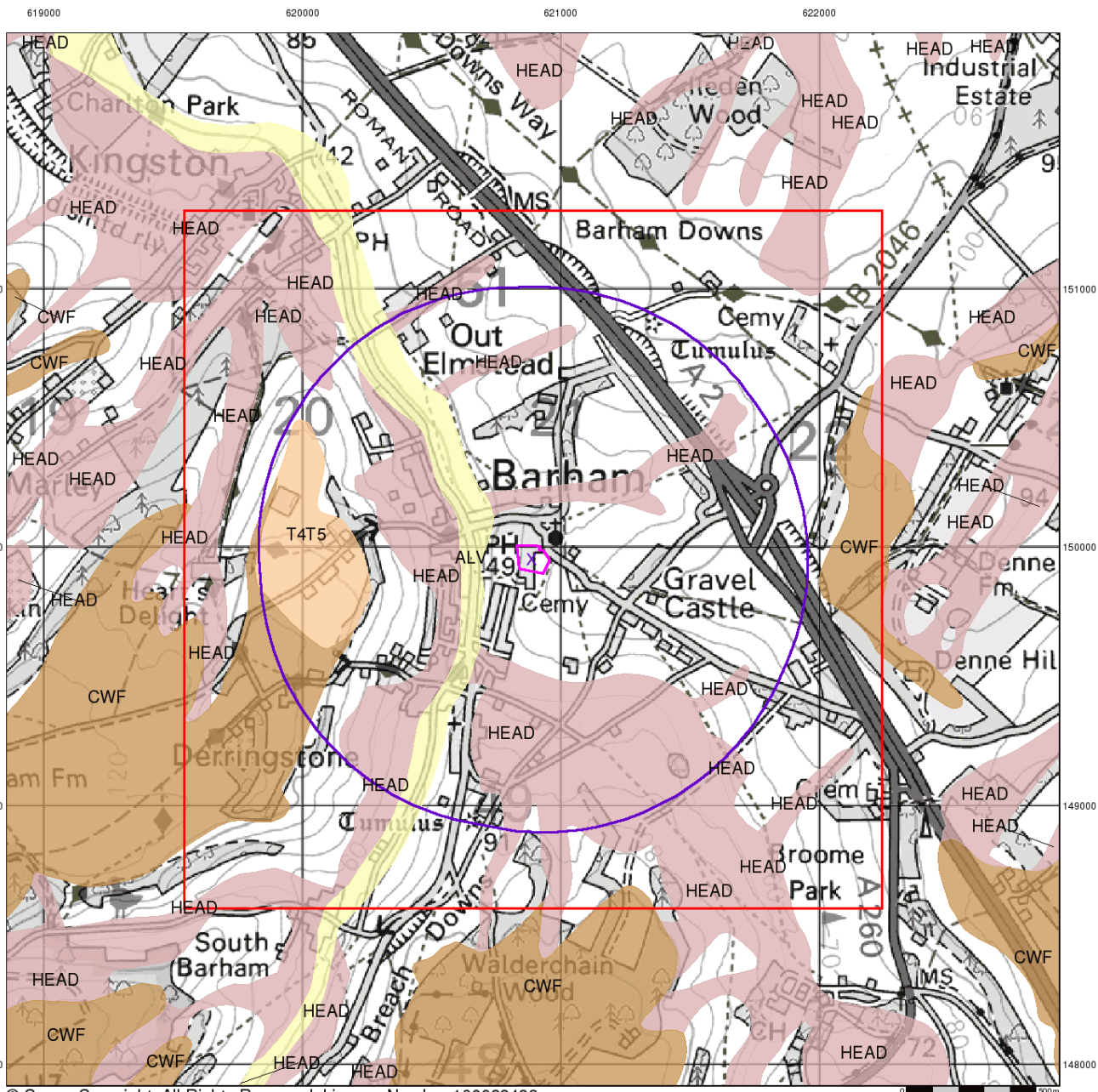
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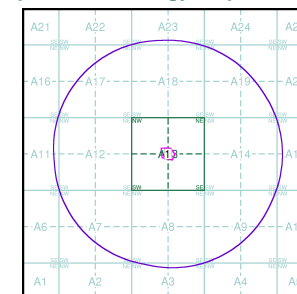
Superficial Geology

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:

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National Grid Reference: 620890, 149960
Slice: A
Site Area (Ha): 1.06
Search Buffer (m): 1000

Site Details:

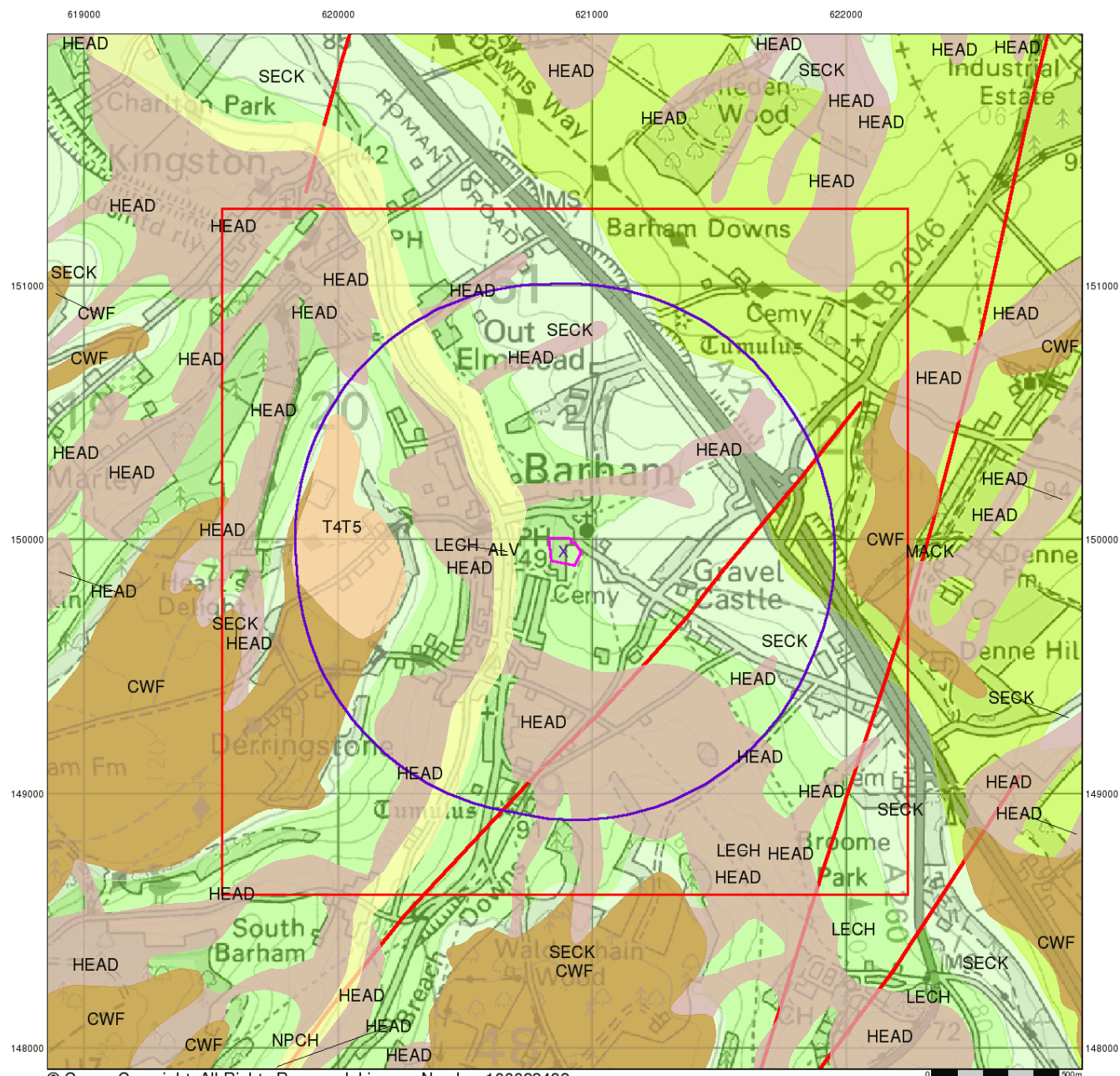
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Combined Surface Geology

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.

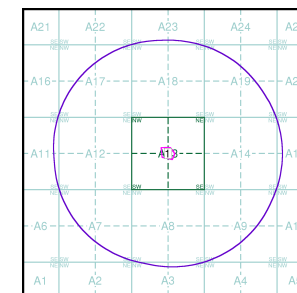
Additional Information

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



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APPENDIX A2

Selected Historical Maps

Historical Mapping Legends

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

County Boundary (Geographical)

County & Civil Parish Boundary

Administrative County & Civil Parish Boundary

County Borough Boundary (England)

County Burgh Boundary (Scotland)

B.P. B.S. Boundary Post or Stone

P.C.B. Police Call Box

B.R. Bridle Road

P. Pump

E.P. Electricity Pylon

S.P. Signal Post

F.B. Foot Bridge

SL. Sluice

F.P. Foot Path

Sp. Spring

G.P. Guide Post or Board

T.C.B. Telephone Call Box

M.S. Mile Stone

Tr. Trough

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

W. Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250

Electricity Transmission Line

County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

Admin. County or County Bor. Boundary

London Borough Boundary

Symbol marking point where boundary mereing changes

BH Beer House

P 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

EI P 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

H 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

Large-Scale National Grid Data 1:2,500 and 1:1,250

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 Rly Dismantled Railway

PW Place of Worship

EI Gen Sta Electricity Generating Station

Sewage Ppg Sta Sewage Pumping Station

EI P Electricity Pole, Pillar

SB, S Br Signal Box or Bridge

EI 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 Governor

Wd Pp Wind Pump

GP Guide Post

Wr Pt, Wr T Water Point, Water Tap

MH Manhole

Wks Works (building or area)

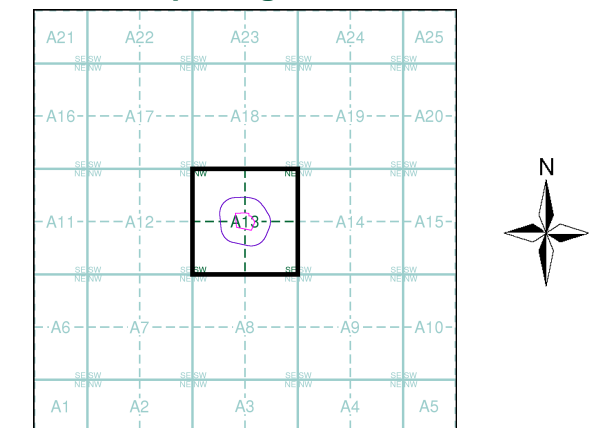
MP, MS Mile Post or Mile Stone

W Well

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kent	1:2,500	1873	2
Kent	1:2,500	1898	3
Kent	1:2,500	1907	4
Kent	1:2,500	1937 - 1938	5
Ordnance Survey Plan	1:2,500	1957	6
Ordnance Survey Plan	1:2,500	1970 - 1971	7
Additional SIMs	1:2,500	1978 - 1980	8
Ordnance Survey Plan	1:2,500	1984	9
Additional SIMs	1:2,500	1989	10
Large-Scale National Grid Data	1:2,500	1993	11
Large-Scale National Grid Data	1:2,500	1993 - 1995	12
Large-Scale National Grid Data	1:2,500	1995	13
Large-Scale National Grid Data	1:2,500	1996	14

Historical Map - Segment A13

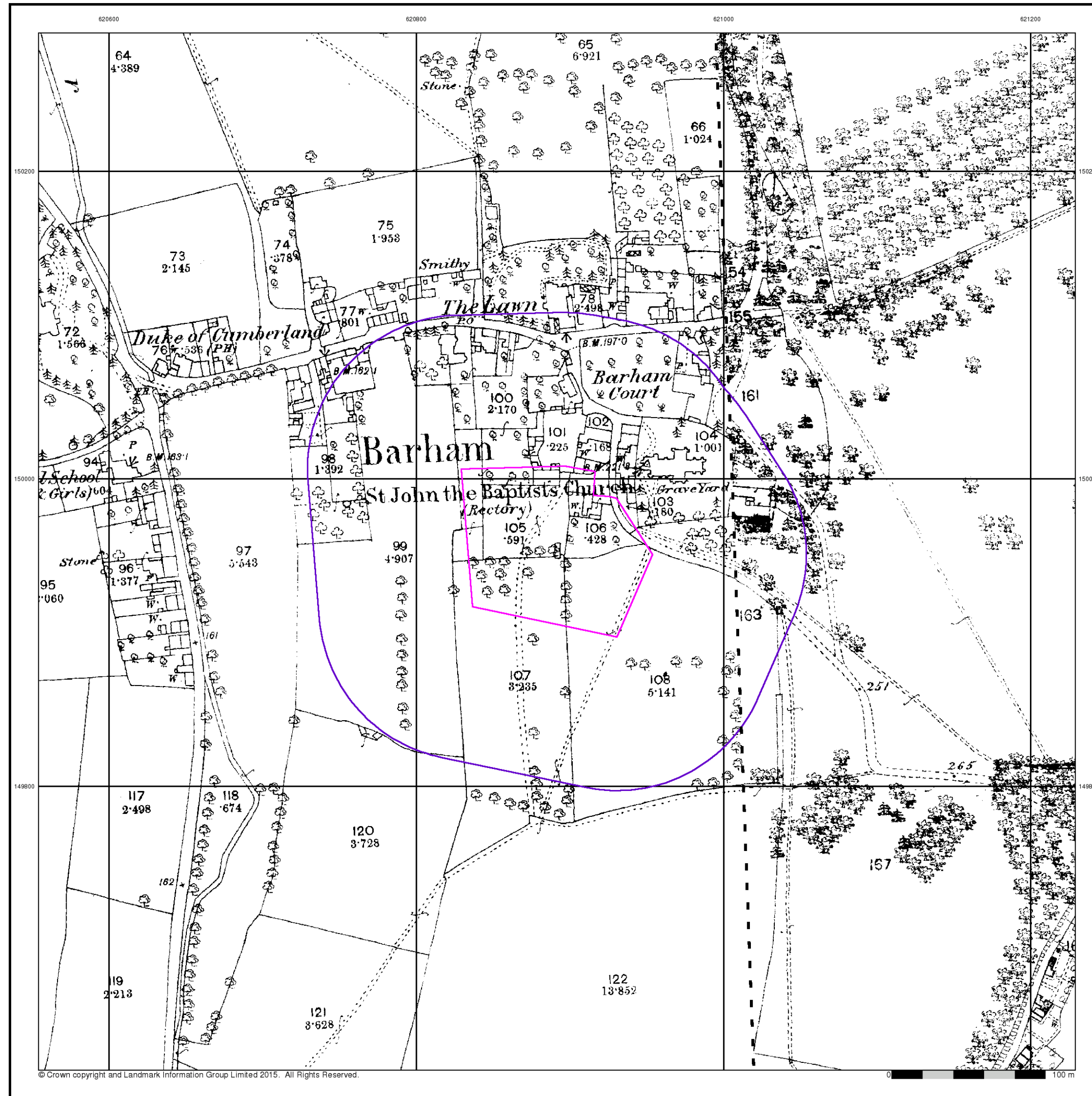


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Slice: A
Site Area (Ha): 1.06
Search Buffer (m): 100

Site Details

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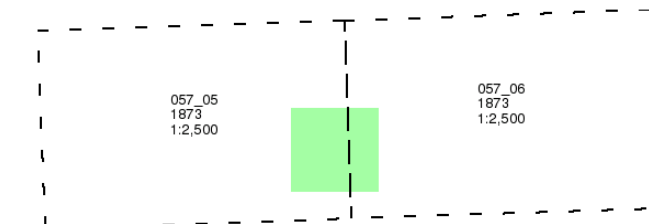
Kent

Published 1873

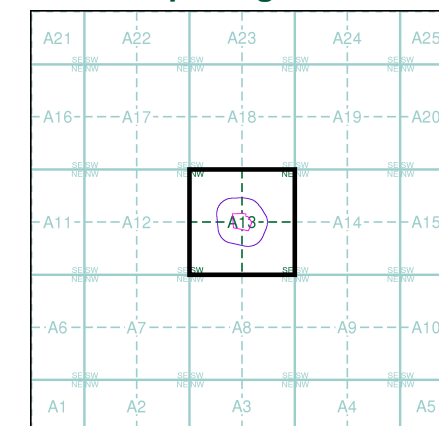
Source map scale - 1:2,500

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

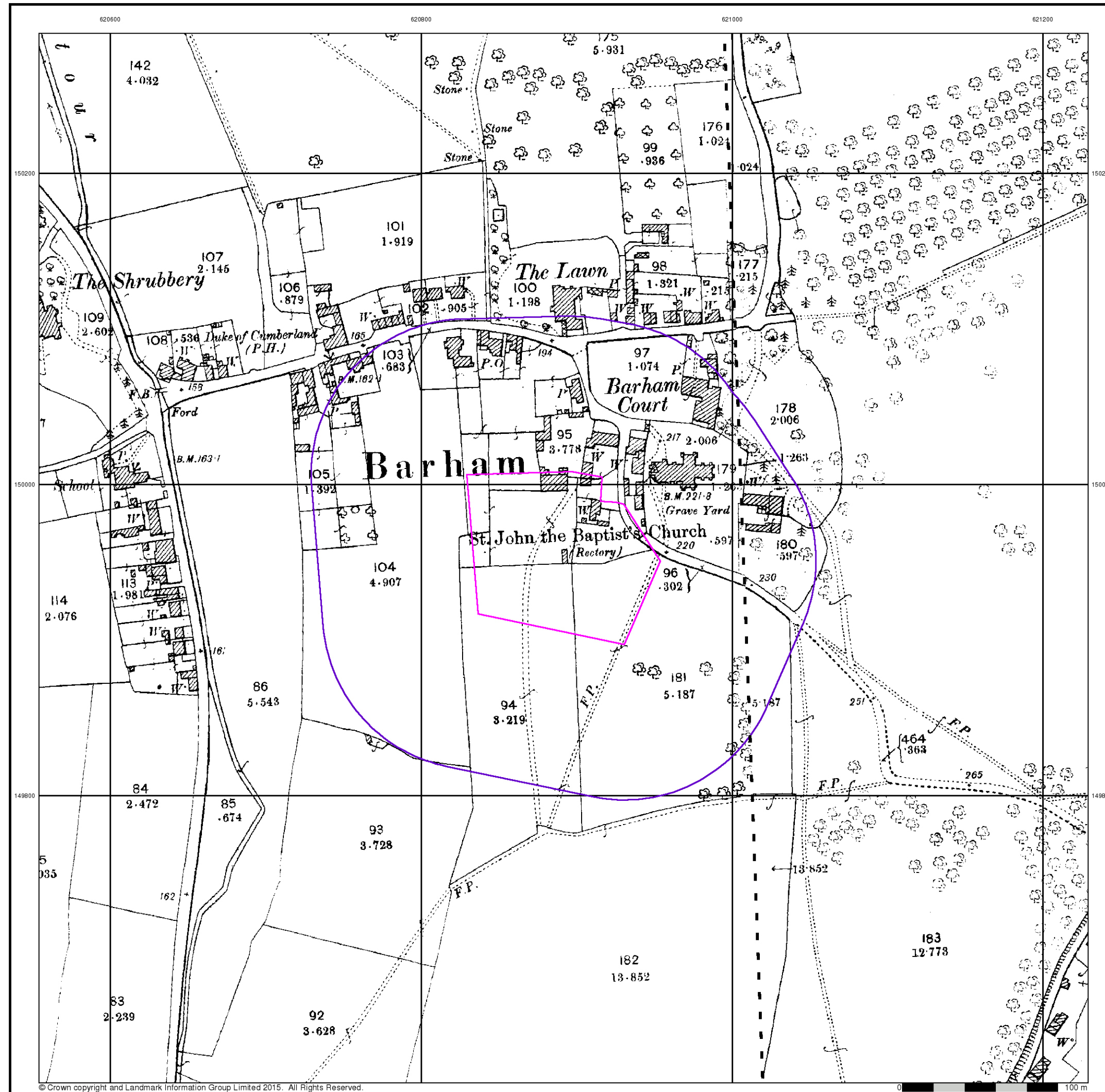
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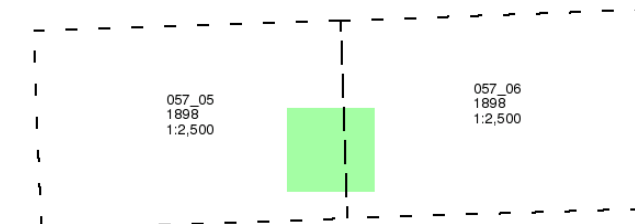
Kent

Published 1898

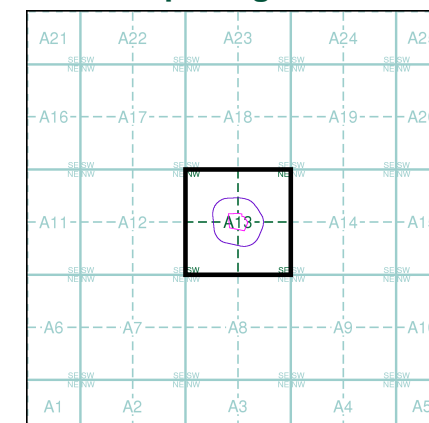
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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

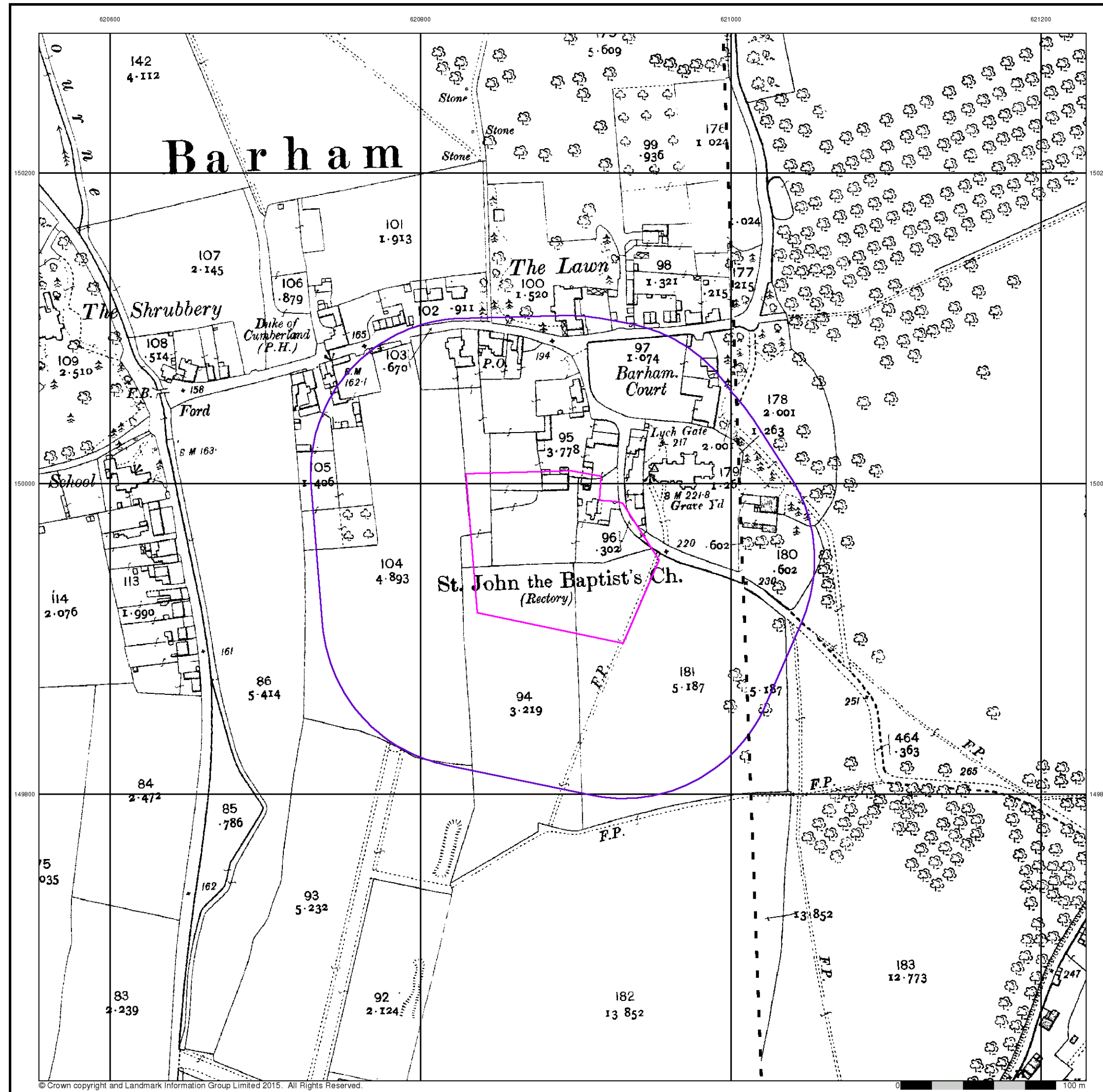
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Slice: A
Site Area (Ha): 1.06
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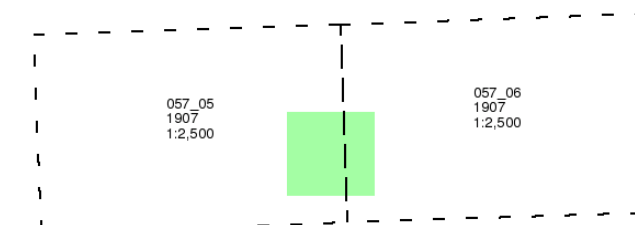
Kent

Published 1907

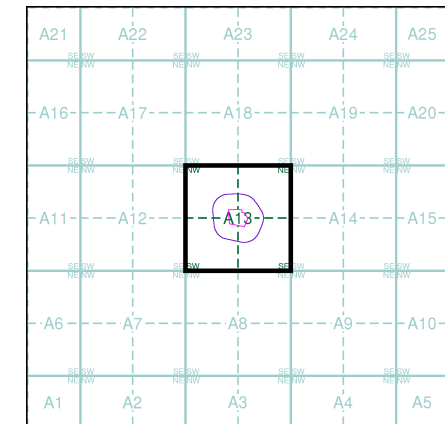
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Map Name(s) and Date(s)



Historical Map - Segment A13



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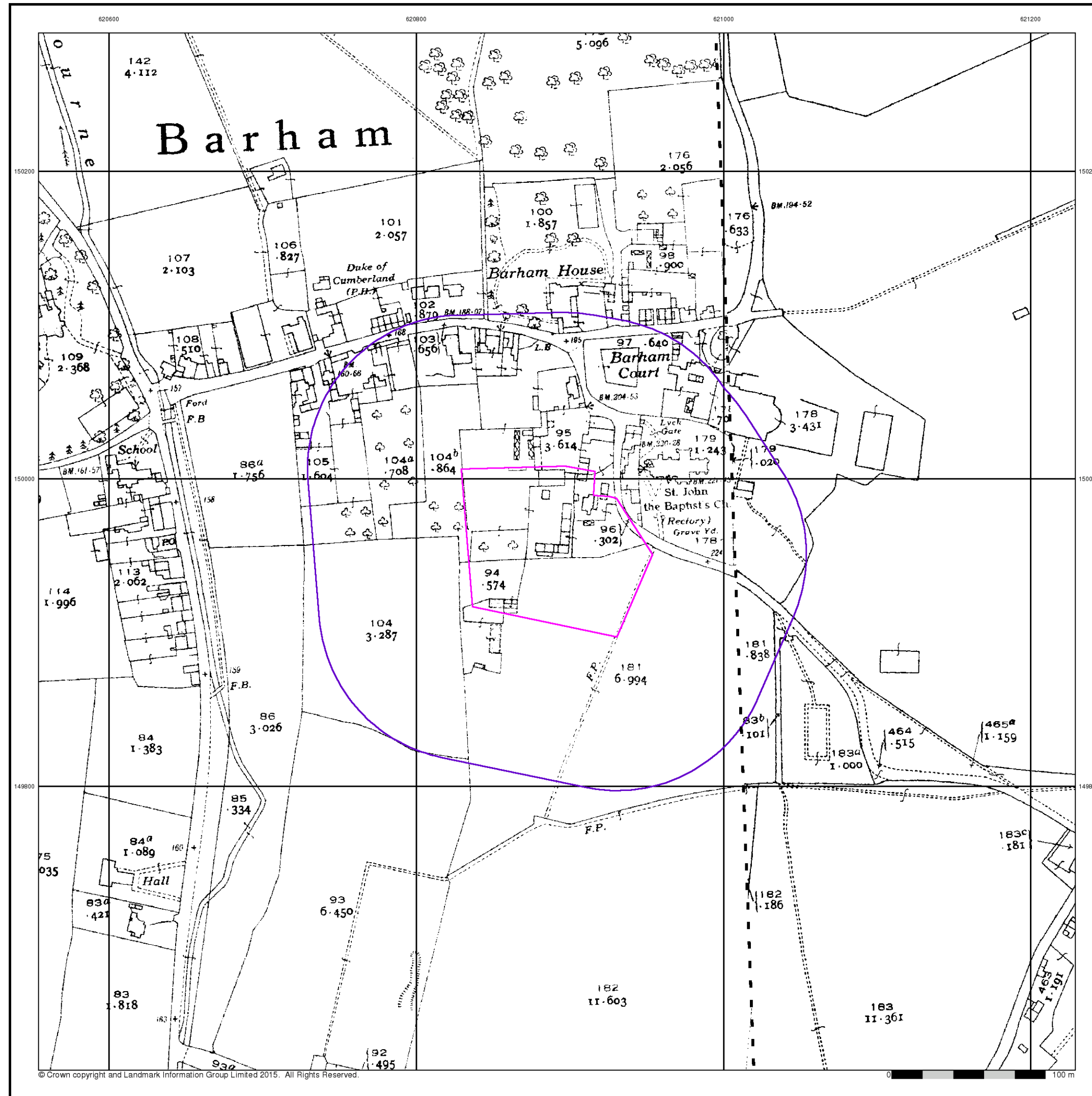
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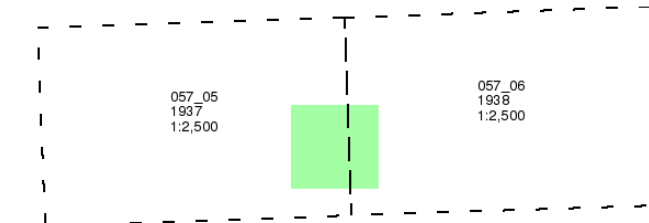
Kent

Published 1937 - 1938

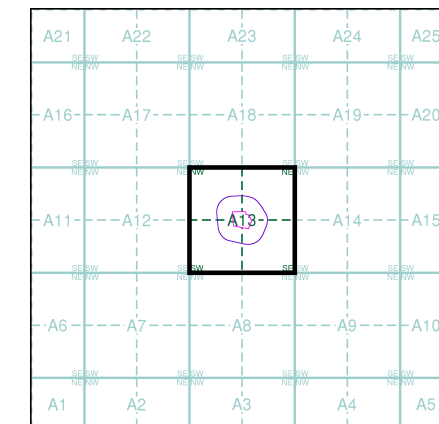
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Map Name(s) and Date(s)



Historical Map - Segment A13



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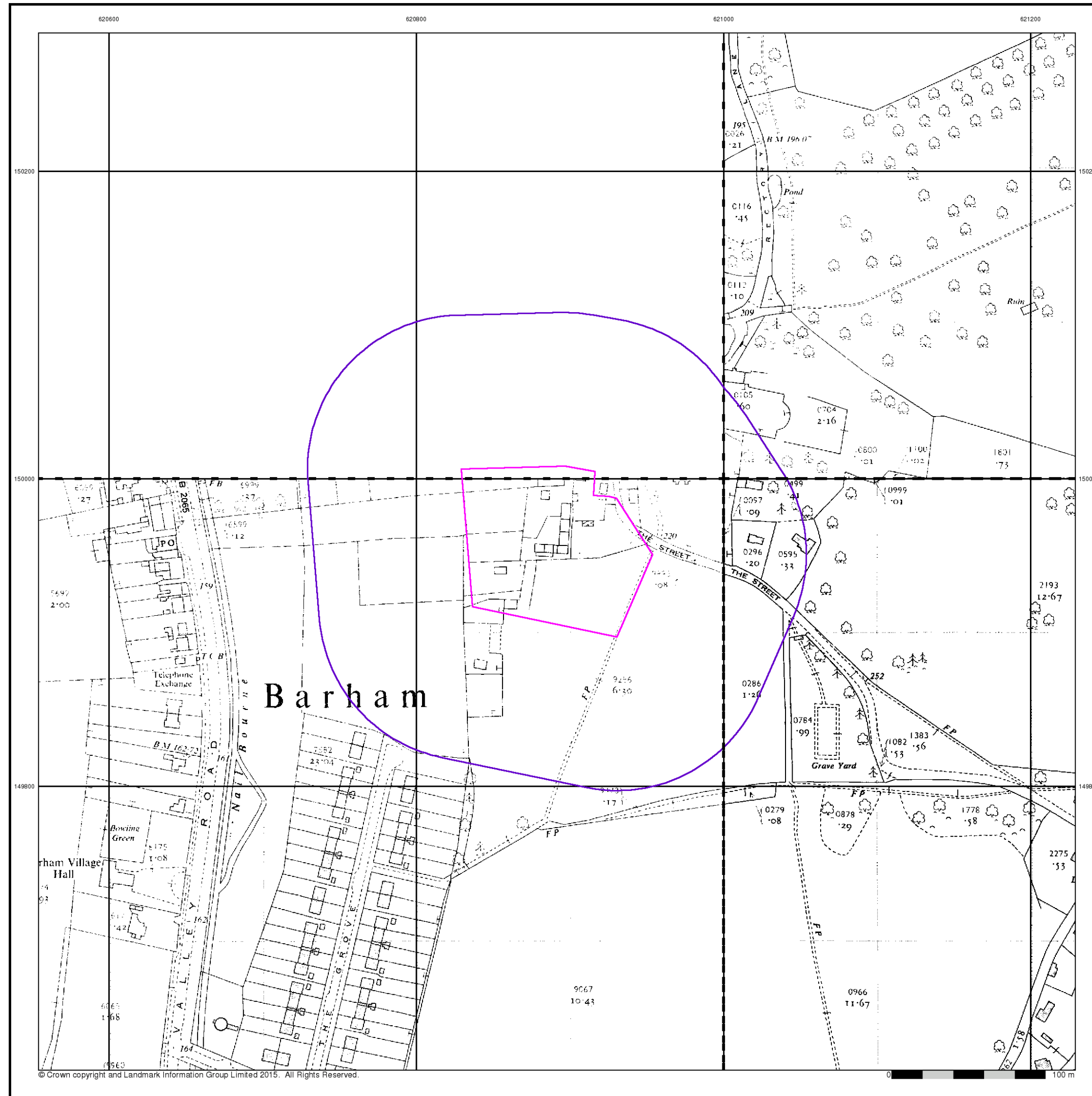
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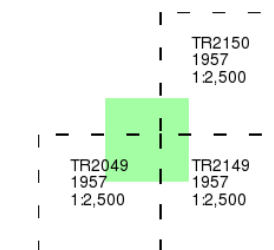
Ordnance Survey Plan

Published 1957

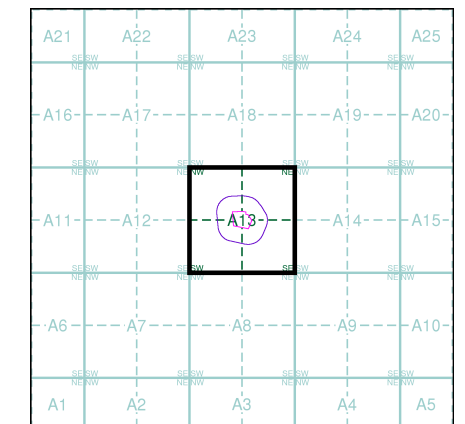
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Map Name(s) and Date(s)



Historical Map - Segment A13

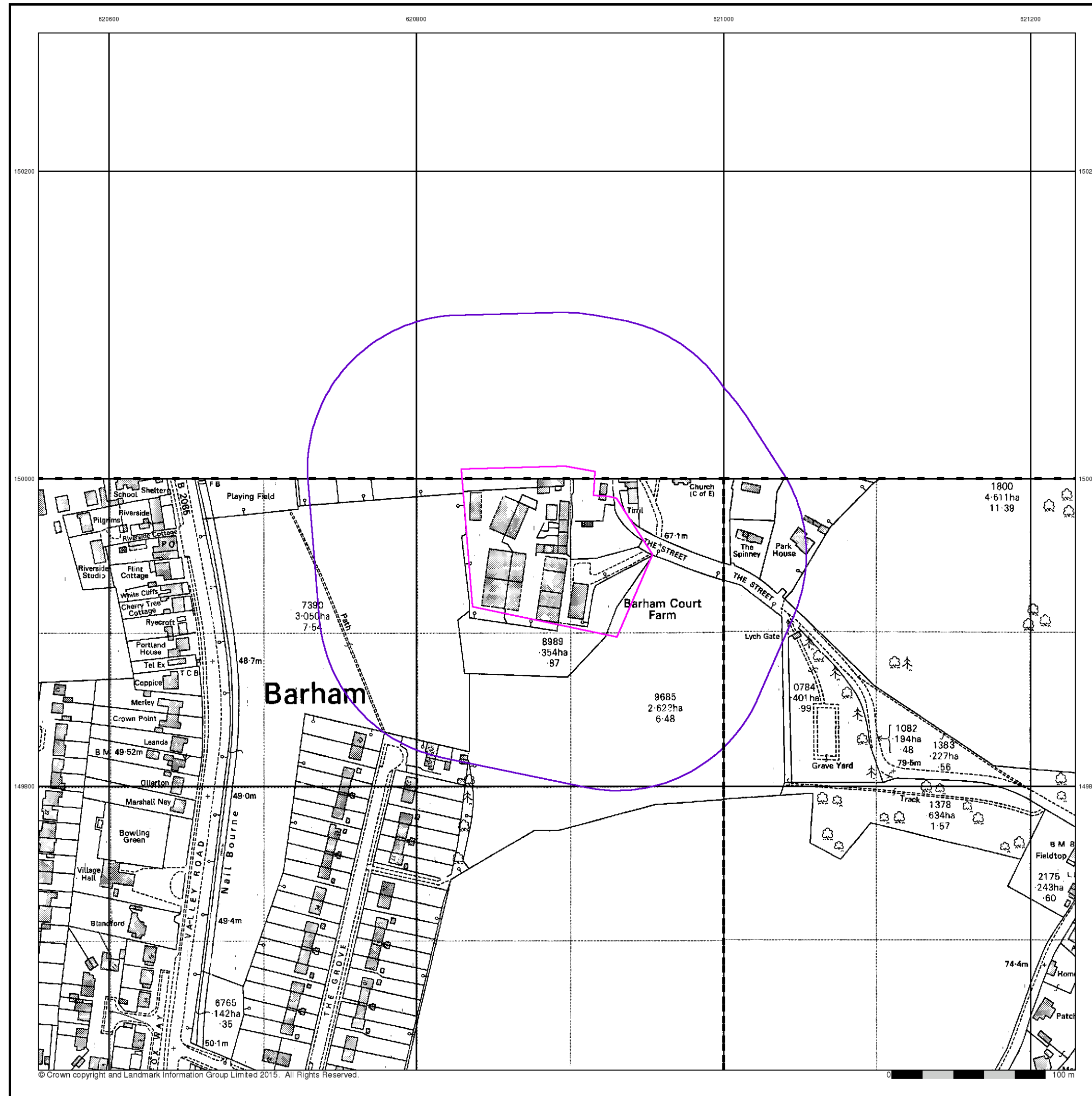


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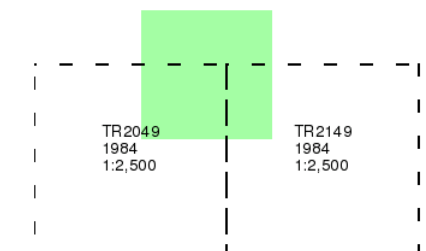
Ordnance Survey Plan

Published 1984

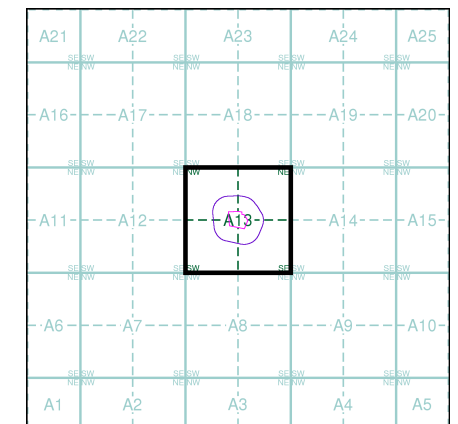
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Map Name(s) and Date(s)



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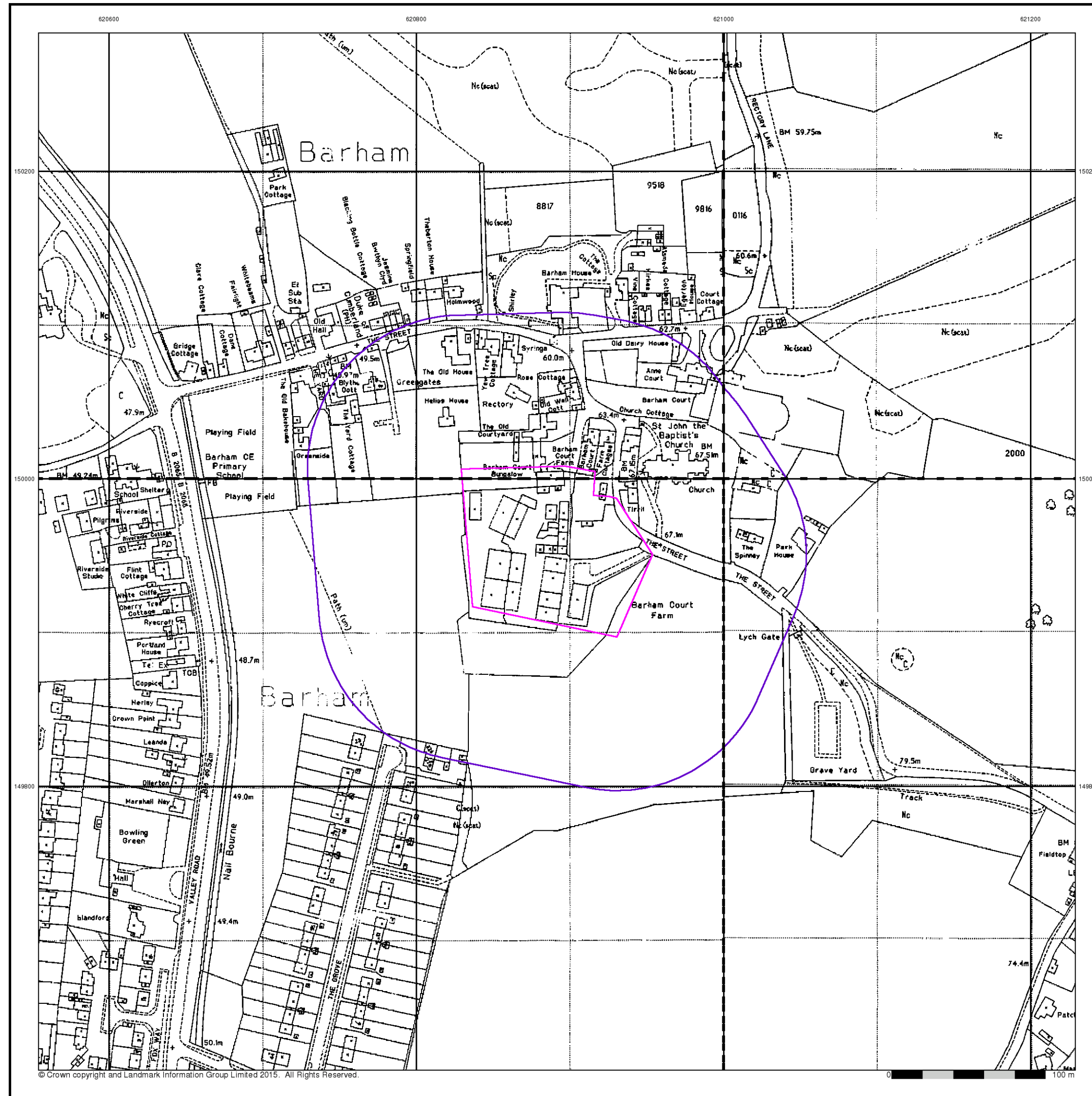
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Large-Scale National Grid Data

Published 1993

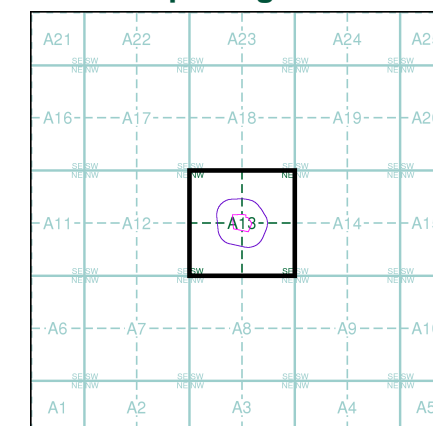
Source map scale - 1:2,500

'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)

TR2050 1993 12,500	TR2150 1993 12,500
TR2049 1993 12,500	TR2149 1993 12,500

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