



West Winch Housing Access Road

Environmental Statement Chapter 12: Appendix 12.1D: Envirocheck Report Part 4 of 5

Author: WSP

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Contents

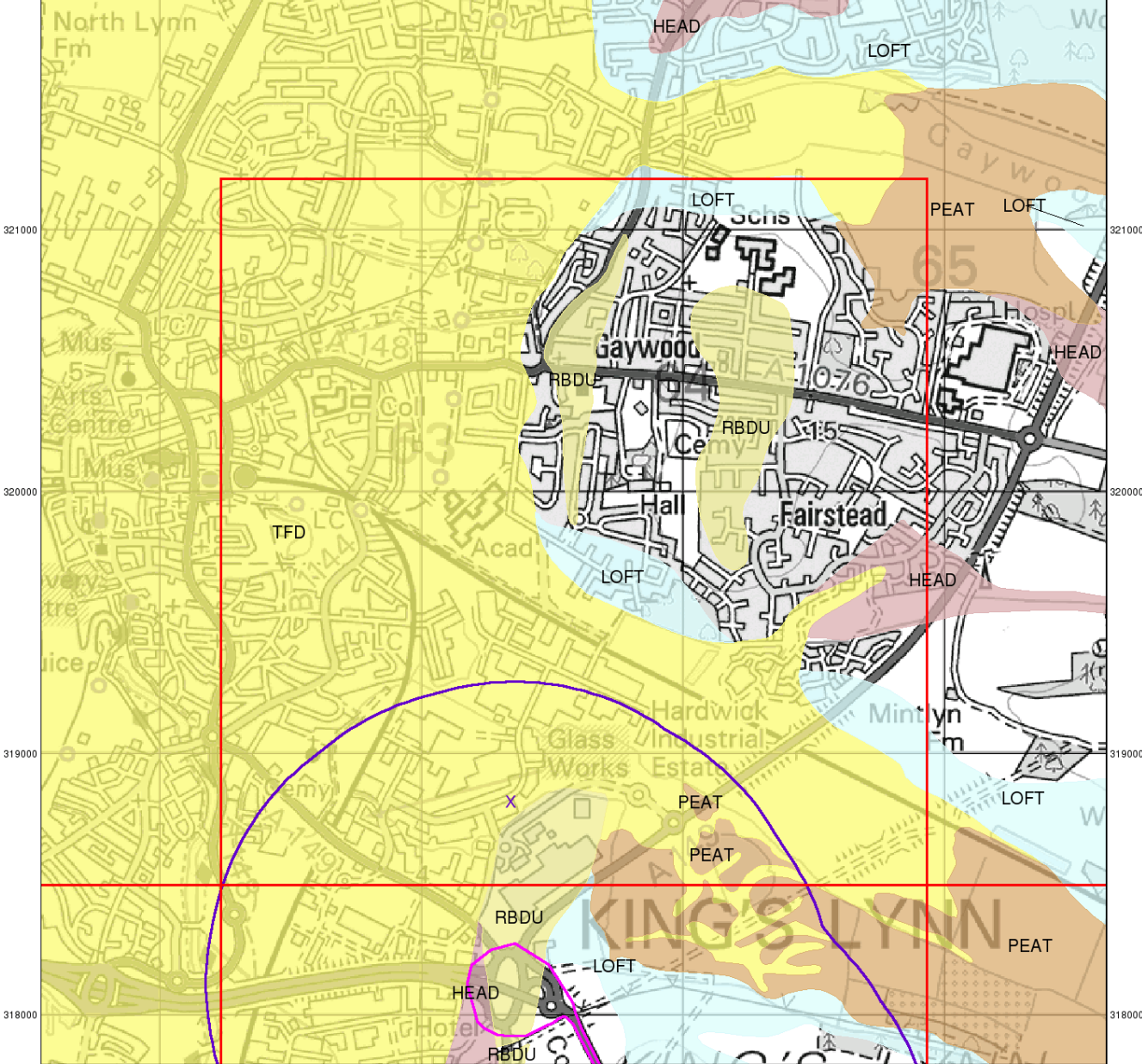
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1 Introduction

- 1.1.1 This document contains historical maps, regulatory database information and information taken from publicly available databases relating to geology, historical landfills, groundwater and contemporary trading records. Some users may not be able to access all technical details. If you require this document in a more accessible format please contact westwinchhar@norfolk.gov.uk.

562000 563000 564000 565000



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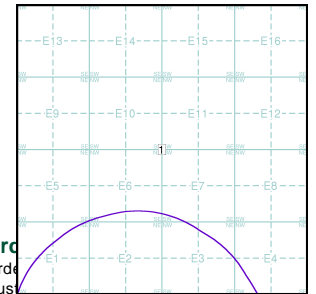
Superficial Geology

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 E



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Ord
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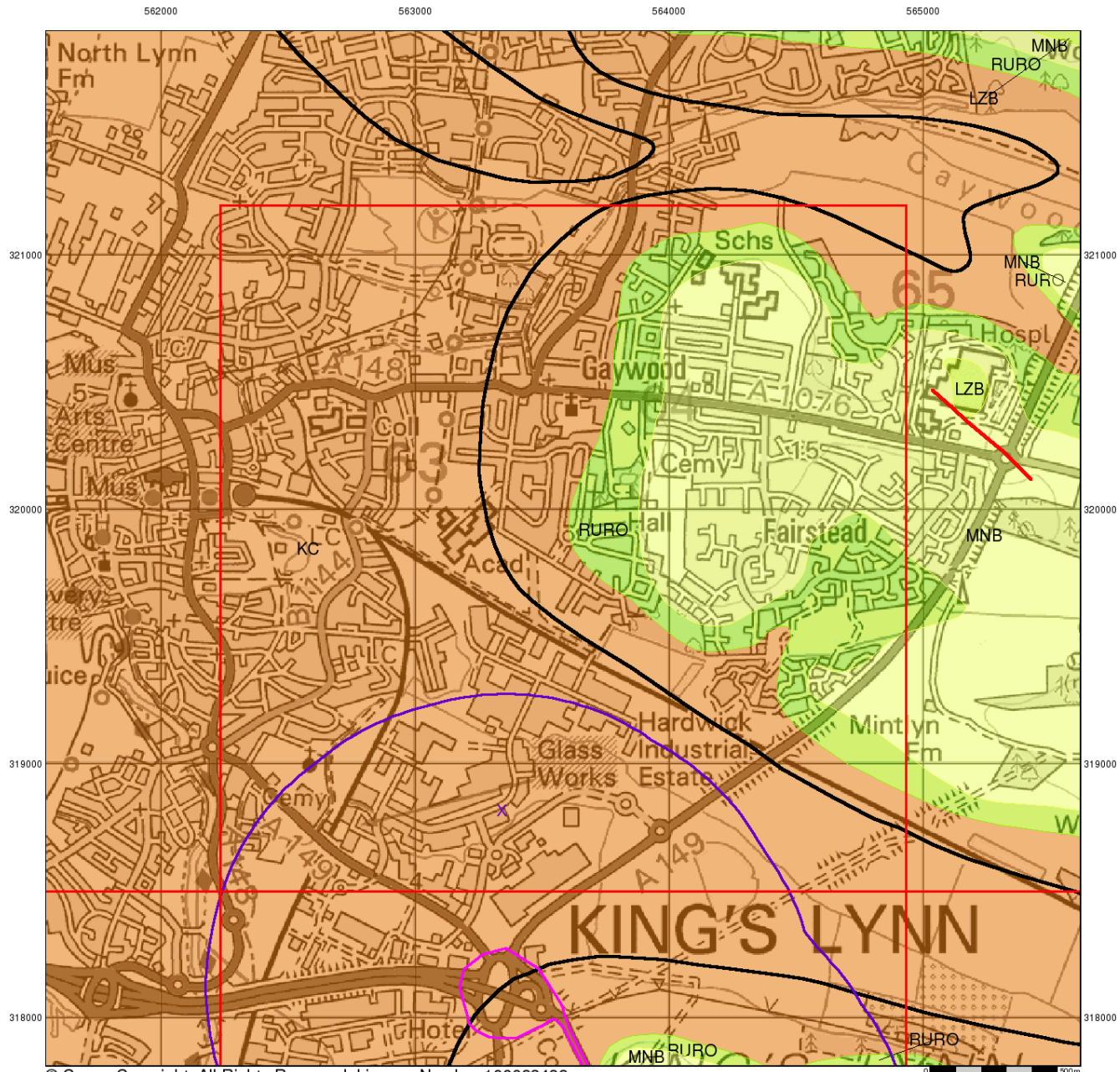
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 Slice: E
 Site Area (Ha): 30.98
 Search Buffer (m): 1000

Site Details:

Orchard Cottage, Rectory Lane, North Runcton, KING'S LYNN, PE33 0QS



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Bedrock and Faults

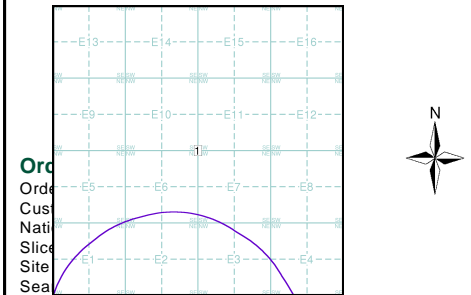
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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 E

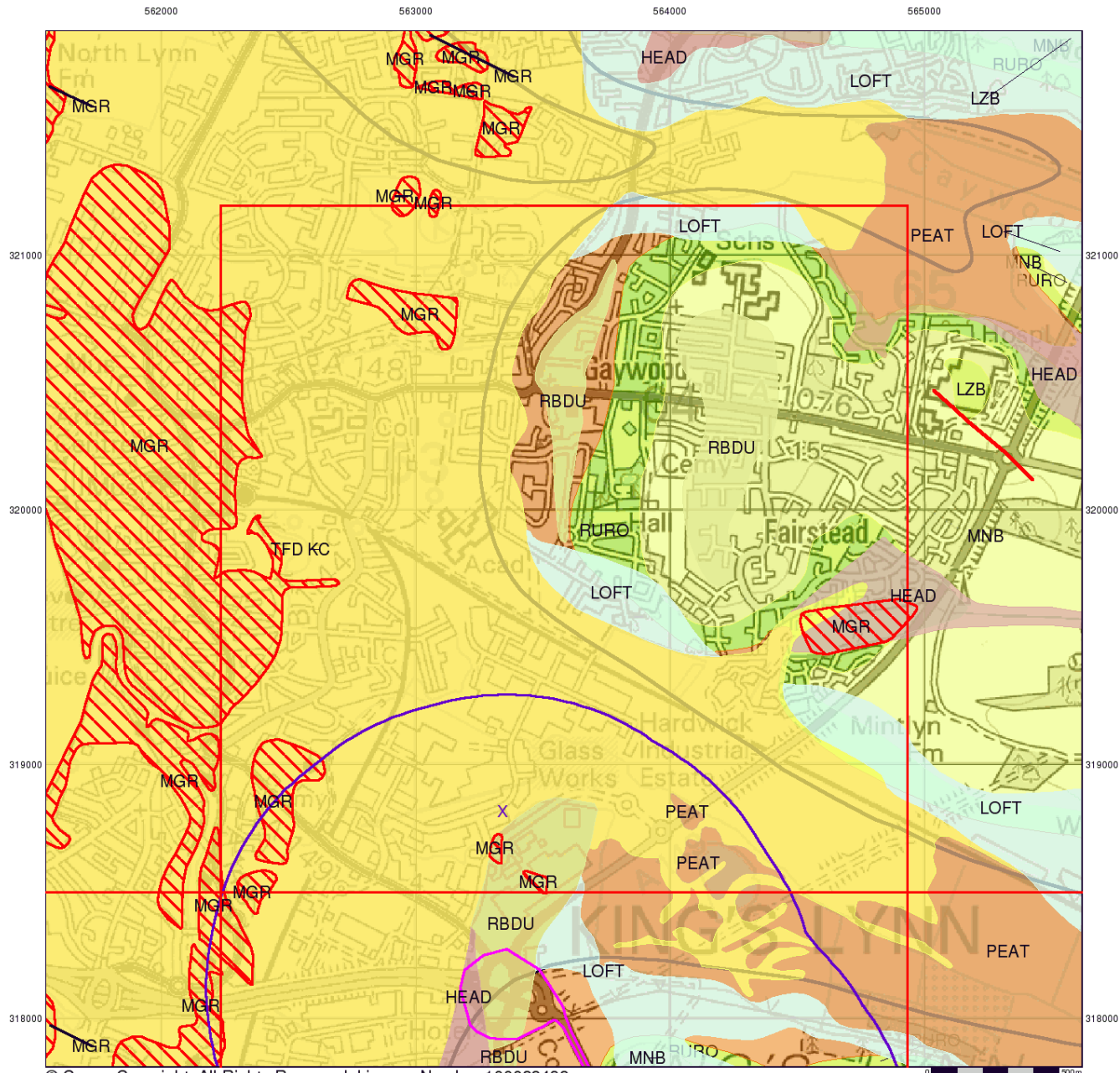


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Combined Surface Geology

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.

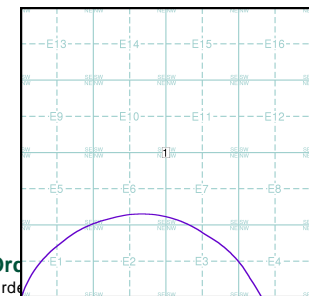
Additional Information

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 E



Ord

Customer Reference: 70039893
 National Grid Reference: 563340, 318810
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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

- Gravel Pit
- Sand Pit
- Other Pits
- Quarry
- Shingle
- Orchard
- Osiers
- Reeds
- Marsh
- Mixed Wood
- Deciduous
- Brushwood
- Fir
- Furze
- Rough Pasture
- Arrow denotes flow of water
- Trigonometrical Station
- Site of Antiquities
- Bench Mark
- Pump, Guide Post, Signal Post
- Well, Spring, Boundary Post
- 285** Surface Level
- Sketched Contour
- Instrumental Contour
- Main Roads
- Minor Roads
- Sunken Road
- Raised Road
- Road over Railway
- Railway over River
- Railway over Road
- Level Crossing
- Road over River or Canal
- Road over Stream
- Road over Stream
- County Boundary (Geographical)
- County & Civil Parish Boundary
- Administrative County & Civil Parish Boundary
- Co. Boro. Bdy. County Borough Boundary (England)
- Co. Burgh Bdy. County Burgh Boundary (Scotland)
- R.D. Bdy. Rural District Boundary
- Civil Parish Boundary

Ordnance Survey Plan 1:10,000

- Chalk Pit, Clay Pit or Quarry
- Gravel Pit
- Sand Pit
- Disused Pit or Quarry
- Refuse or Slag Heap
- Lake, Loch or Pond
- Dunes
- Boulders
- Coniferous Trees
- Non-Coniferous Trees
- Orchard
- Scrub
- Coppice
- Bracken
- Heath
- Rough Grassland
- Marsh
- Reeds
- Saltings
- Building
- Glasshouse
- Sloping Masonry
- Pylon
- Electricity Transmission Line
- Pole
- Cutting
- Embankment
- Standard Gauge Multiple Track
- Standard Gauge Single Track
- Siding, Tramway or Mineral Line
- Narrow Gauge
- Geographical County
- Administrative County, County Borough or County of City
- Municipal Borough, Urban or Rural District, Burgh or District Council
- Borough, Burgh or County Constituency
- Civil Parish
- BP, BS Boundary Post or Stone
- Ch Church
- CH Club House
- F E Sta Fire Engine Station
- FB Foot Bridge
- Fn Fountain
- GP Guide Post
- MP Mile Post
- MS Mile Stone
- Pol Sta Police Station
- PO Post Office
- PC Public Convenience
- PH Public House
- SB Signal Box
- Spr Spring
- TCB Telephone Call Box
- TCP Telephone Call Post
- W Well

1:10,000 Raster Mapping

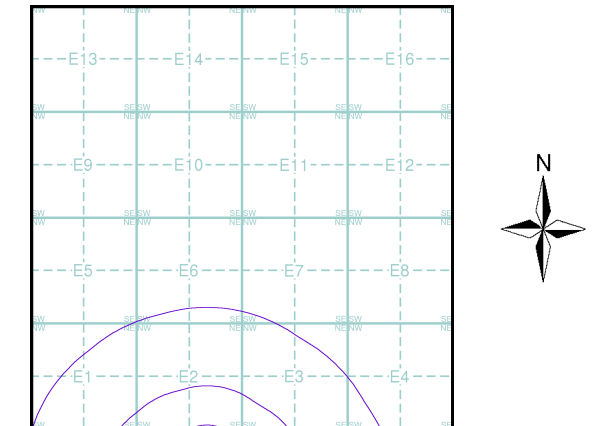
- Gravel Pit
- Rock
- Boulders
- Shingle
- Sand
- Slopes
- Refuse tip or slag heap
- Rock (scattered)
- Boulders (scattered)
- Mud
- Sand Pit
- Top of cliff
- General detail
- Overhead detail
- Multi-track railway
- County boundary (England only)
- District, Unitary, Metropolitan, London Borough boundary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



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Norfolk	1:10,560	1884 - 1886	2
Norfolk	1:10,560	1906	3
Norfolk	1:10,560	1929 - 1930	4
Norfolk	1:10,560	1929 - 1930	5
Norfolk	1:10,560	1938	6
Norfolk	1:10,560	1952	7
Ordnance Survey Plan	1:10,000	1958 - 1959	8
Ordnance Survey Plan	1:10,000	1967	9
Ordnance Survey Plan	1:10,000	1971 - 1976	10
Ordnance Survey Plan	1:10,000	1979	11
Ordnance Survey Plan	1:10,000	1985	12
Ordnance Survey Plan	1:10,000	1991	13
10K Raster Mapping	1:10,000	2000	14
10K Raster Mapping	1:10,000	2006	15
VectorMap Local	1:10,000	2019	16

Historical Map - Slice E



Order Details

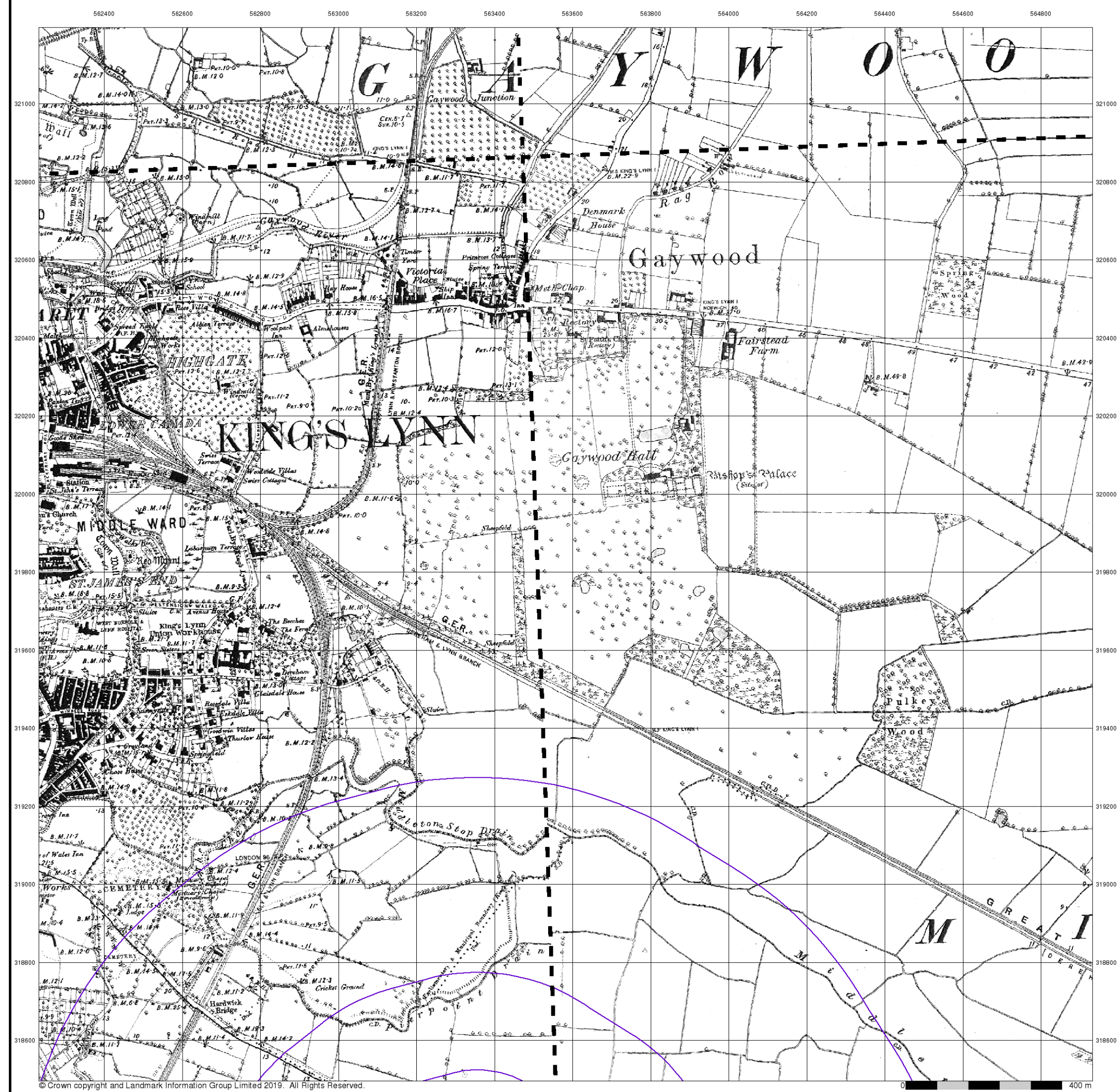
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 Customer Ref: 70039893
 National Grid Reference: 563340, 318810
 Slice: E
 Site Area (Ha): 30.98
 Search Buffer (m): 1000

Site Details

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Landmark
 INFORMATION GROUP

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Norfolk

Published 1884 - 1886

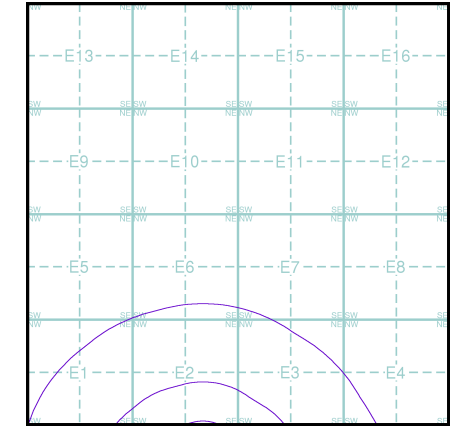
Source map scale - 1:10,560

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)

033NW 1886 1:10,560	033NE 1884 1:10,560
033SW 1886 1:10,560	033SE 1884 1:10,560

Historical Map - Slice E



Order Details

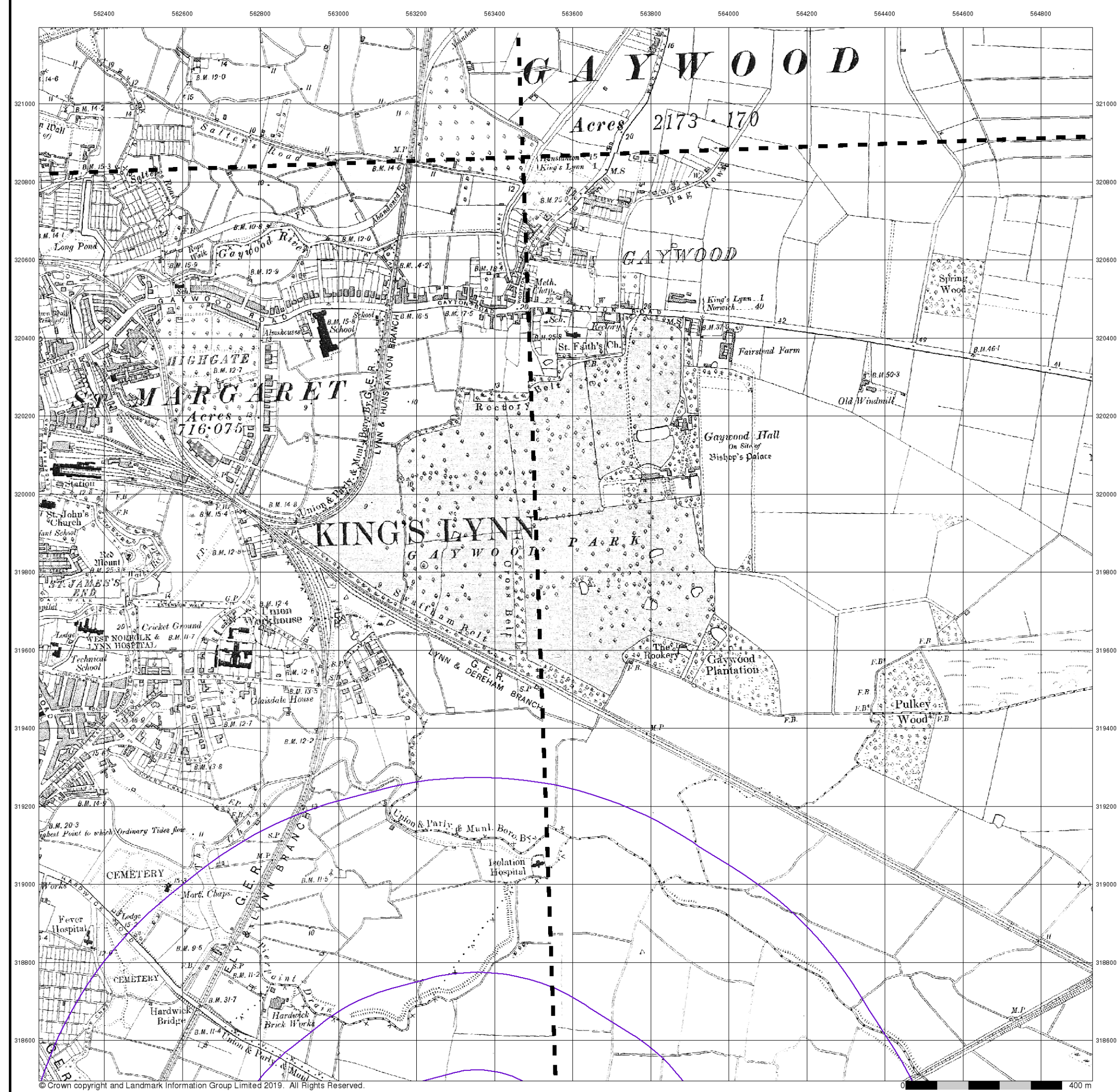
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 Search Buffer (m): 1000

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Norfolk

Published 1906

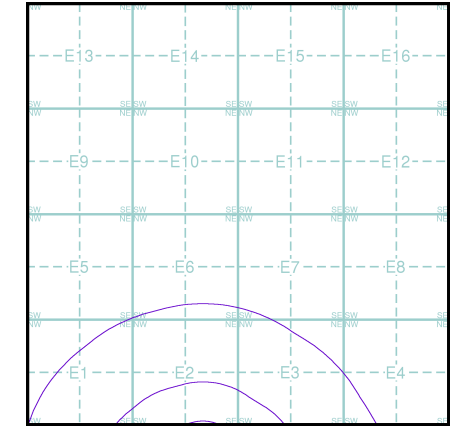
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Map Name(s) and Date(s)

033NW 1906 1:10,560	033NE 1906 1:10,560
033SW 1906 1:10,560	033SE 1906 1:10,560

Historical Map - Slice E



Order Details

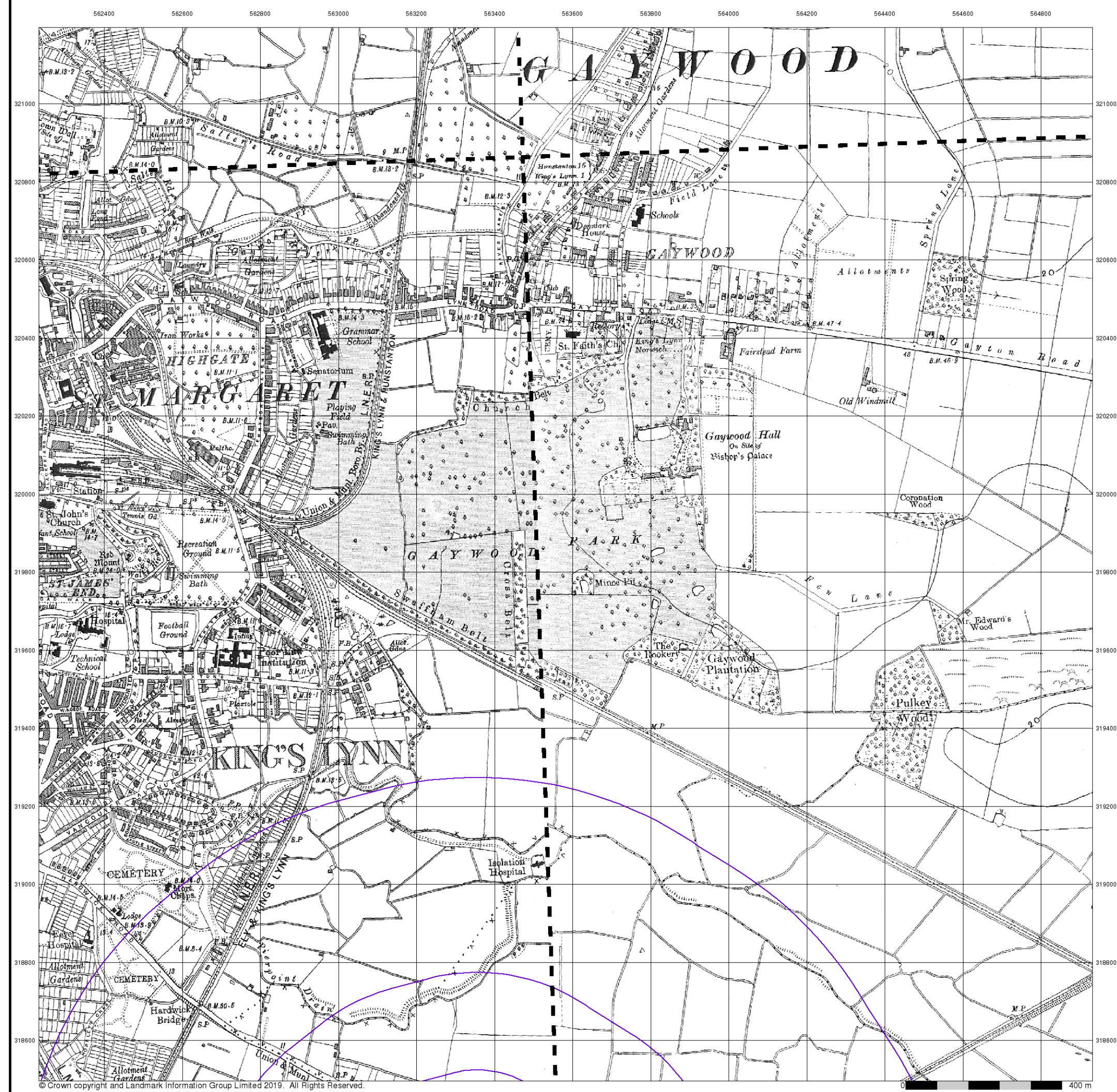
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Norfolk

Published 1929 - 1930

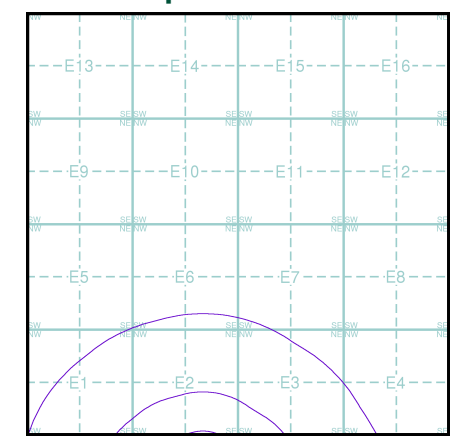
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Map Name(s) and Date(s)

033NW 1930 1:10,560	033NE 1929 1:10,560
033SW 1930 1:10,560	033SE 1929 1:10,560

Historical Map - Slice E



Order Details

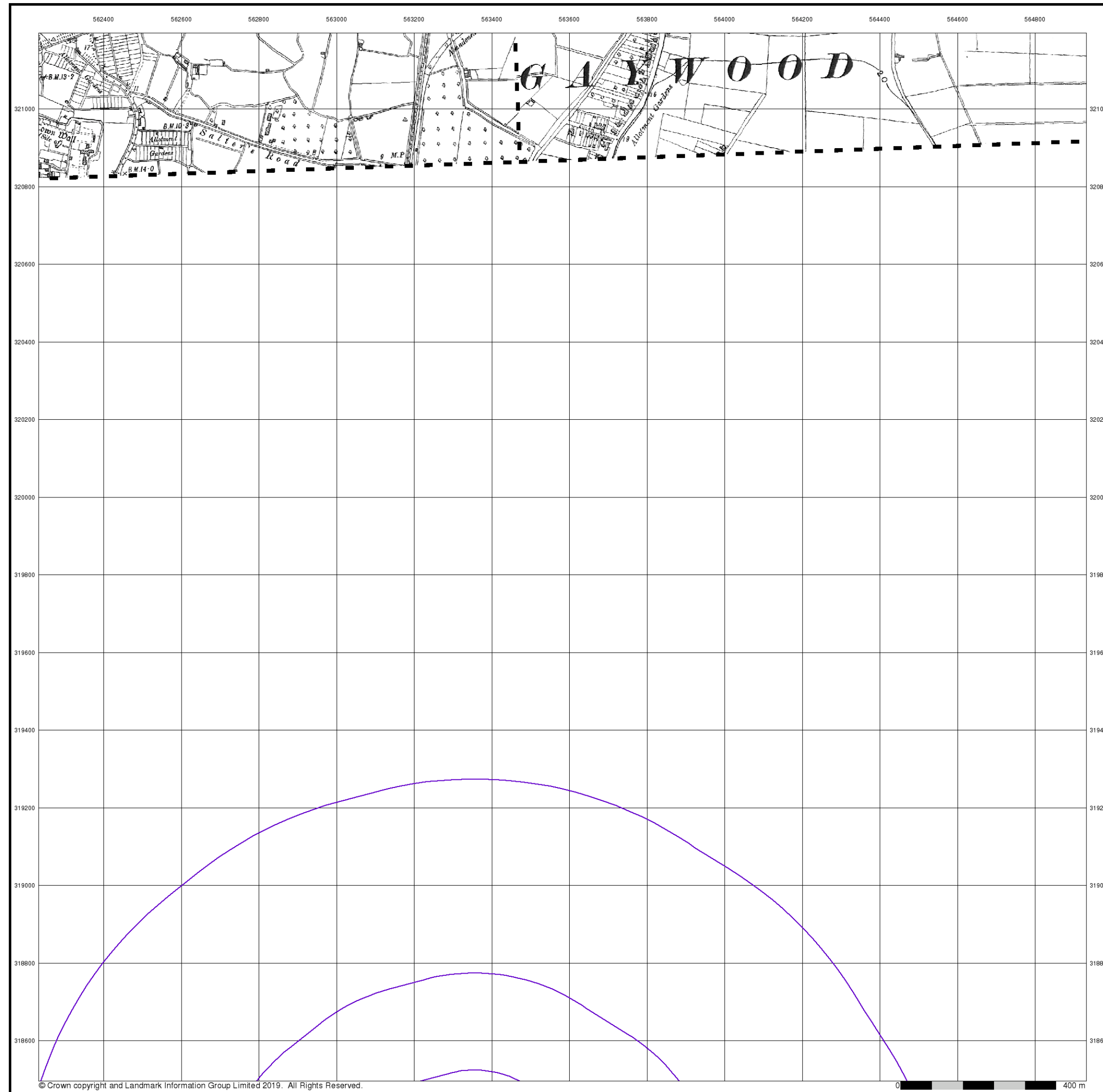
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 National Grid Reference: 563340, 318810
 Slice: E
 Site Area (Ha): 30.98
 Search Buffer (m): 1000

Site Details

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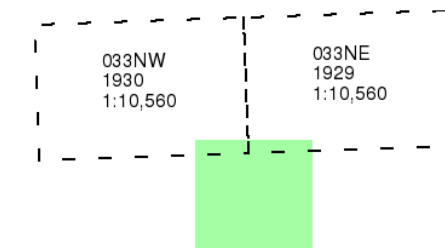
Norfolk

Published 1929 - 1930

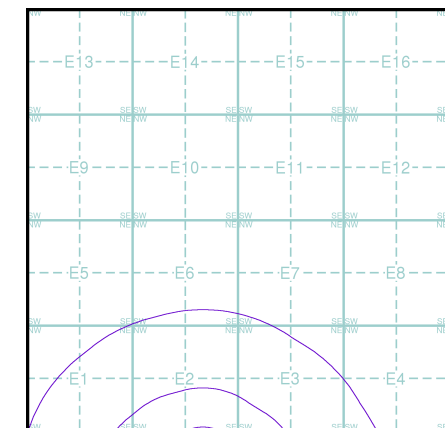
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Map Name(s) and Date(s)



Historical Map - Slice E



Order Details

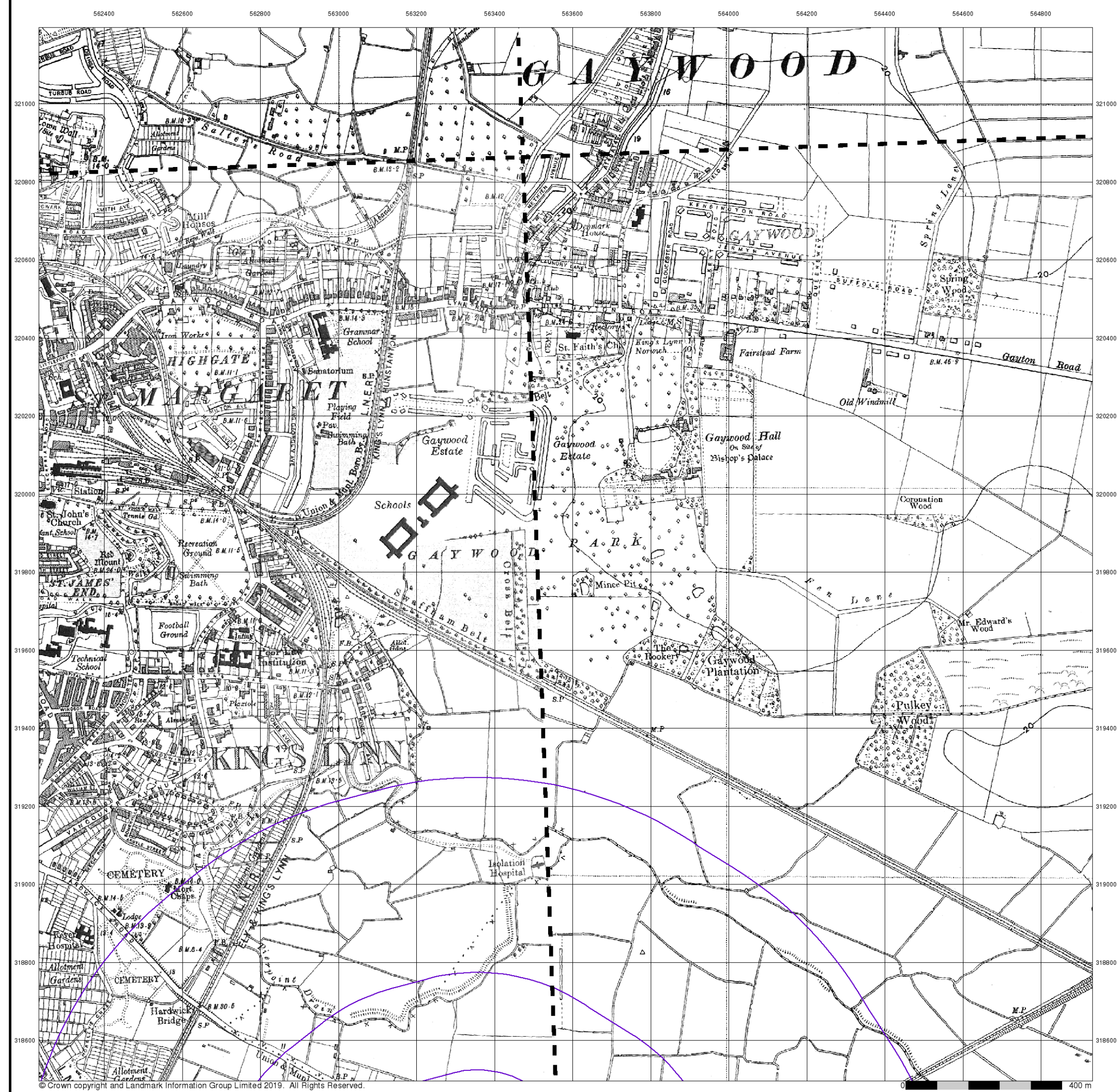
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Norfolk

Published 1938

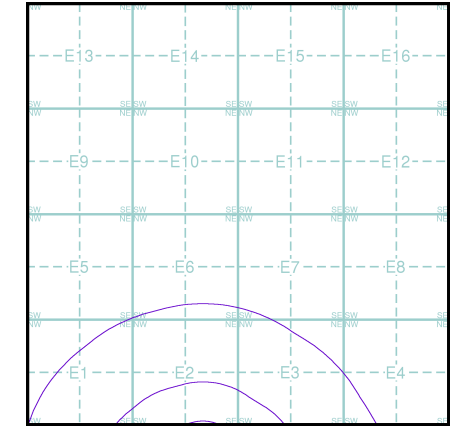
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Map Name(s) and Date(s)

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033SW 1938 1:10,560	033SE 1938 1:10,560

Historical Map - Slice E



Order Details

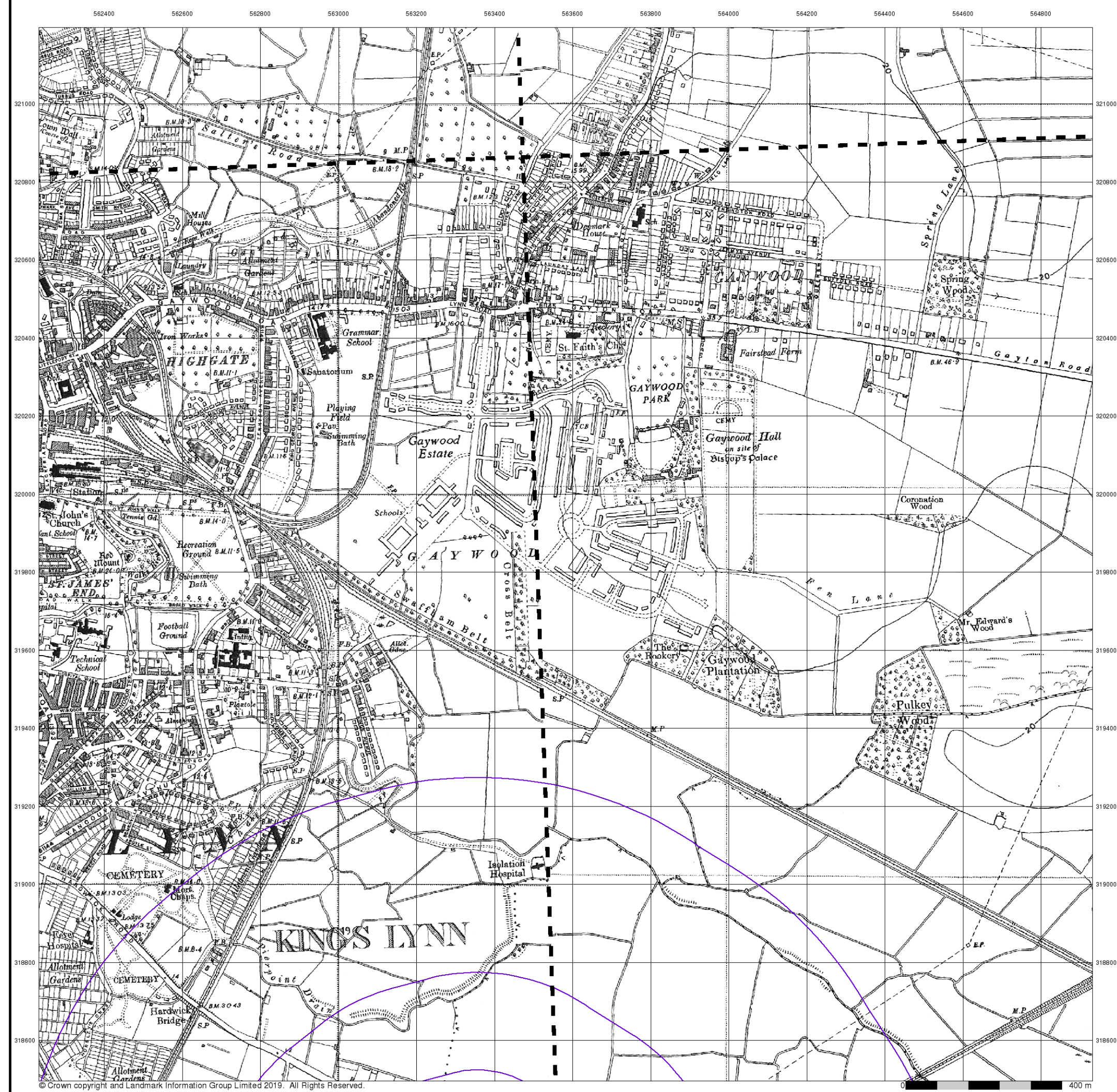
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Norfolk

Published 1952

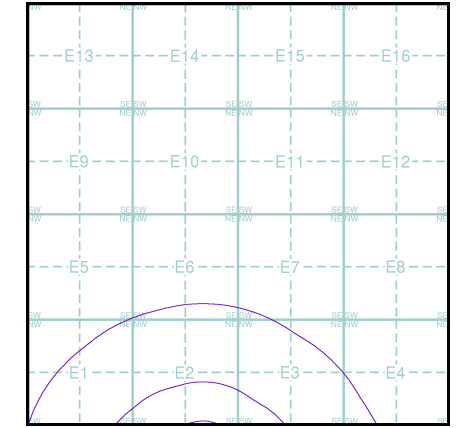
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Map Name(s) and Date(s)

033NW 1952 1:10,560	033NE 1952 1:10,560
033SW 1952 1:10,560	033SE 1952 1:10,560

Historical Map - Slice E



Order Details

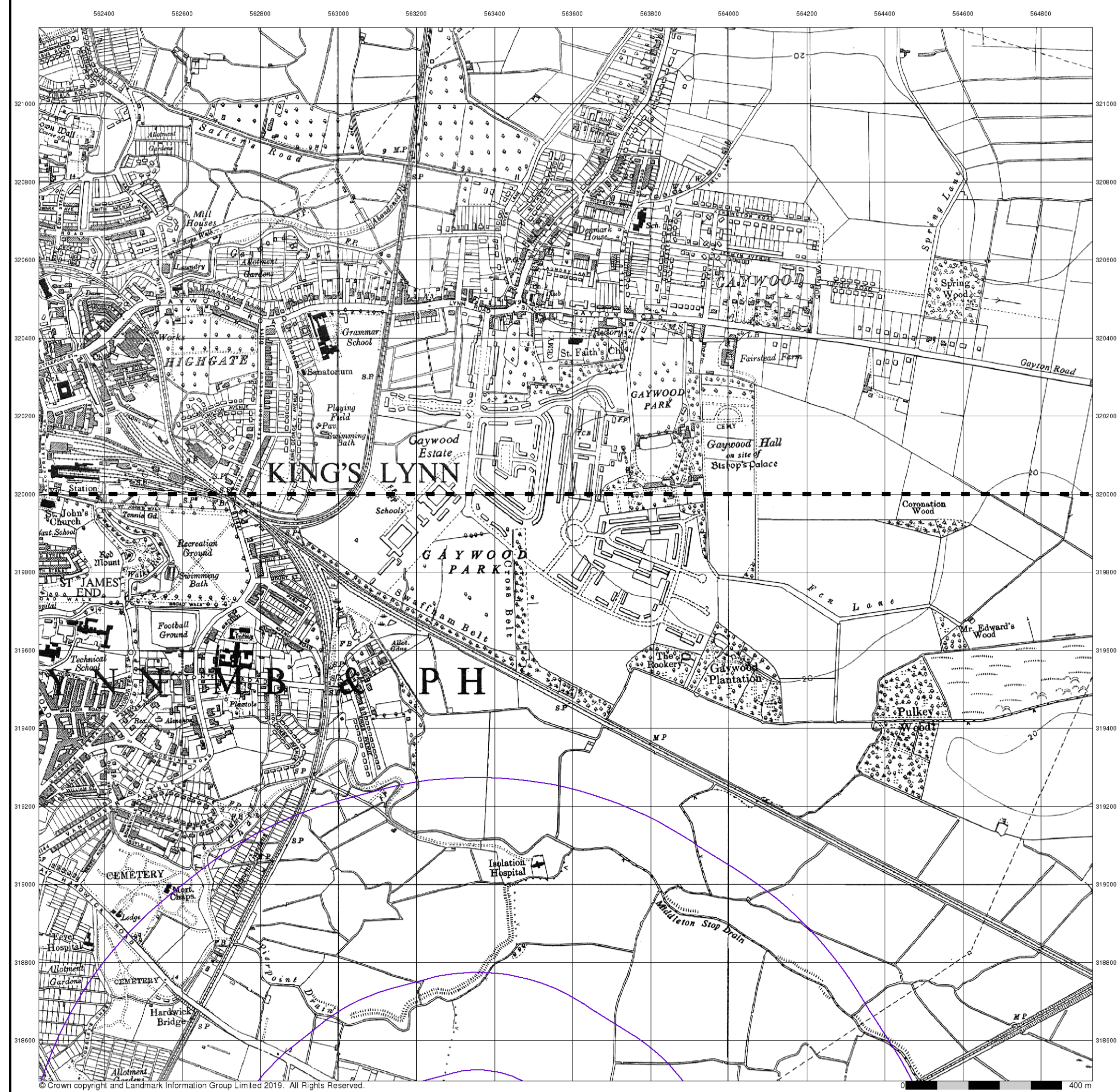
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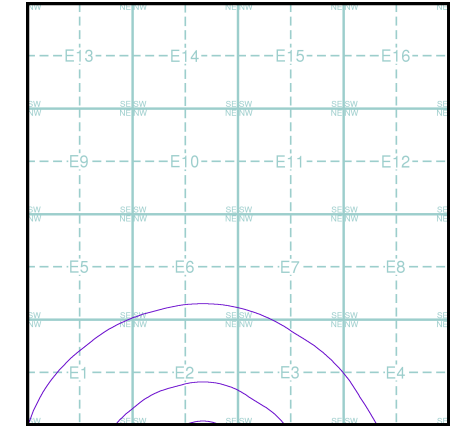
Ordnance Survey Plan
Published 1958 - 1959
Source map scale - 1:10,000

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Map Name(s) and Date(s)

TF62SW	1958	1:10,560
TF61NW	1959	1:10,560

Historical Map - Slice E



Order Details

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562400 562600 562800 563000 563200 563400 563600 563800 564000 564200 564400 564600 564800



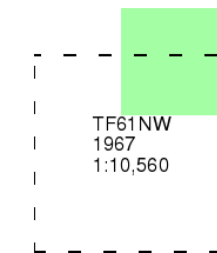
Ordnance Survey Plan

Published 1967

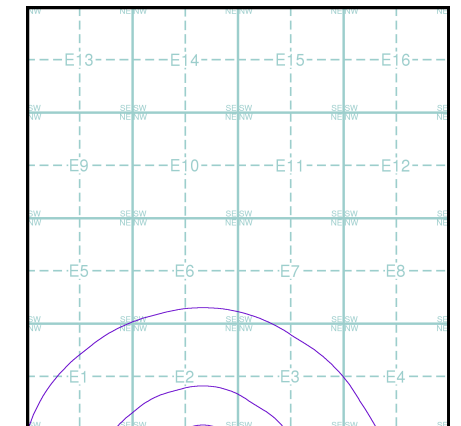
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Map Name(s) and Date(s)



Historical Map - Slice E



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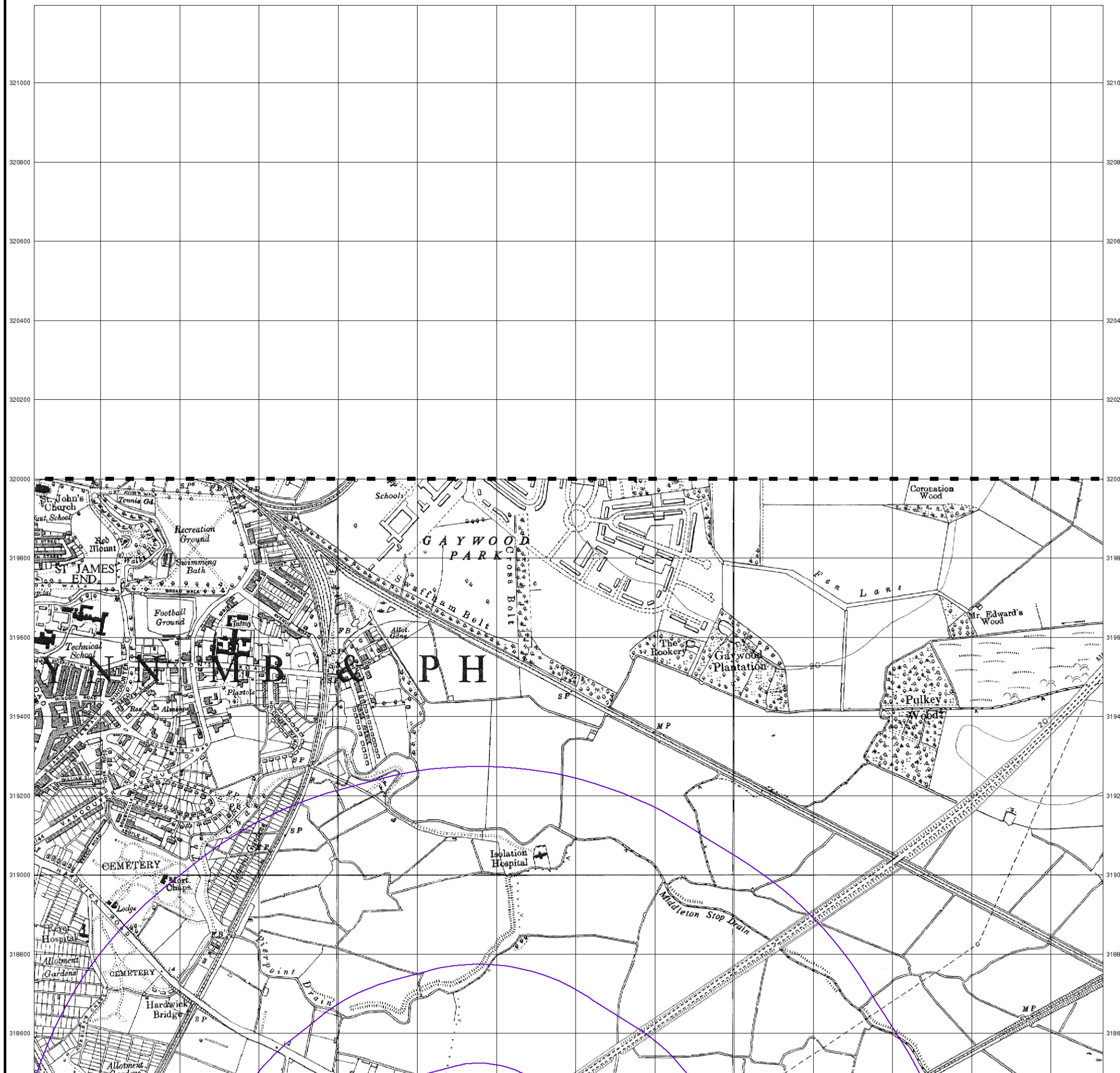
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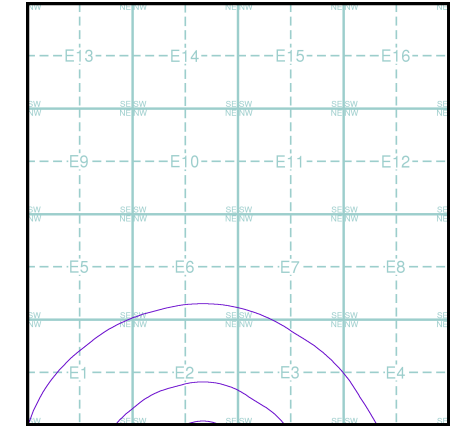
Ordnance Survey Plan
Published 1971 - 1976
Source map scale - 1:10,000

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)

- TF62SW | 1976 | 1:10,000
- TF61NW | 1971 | 1:10,560

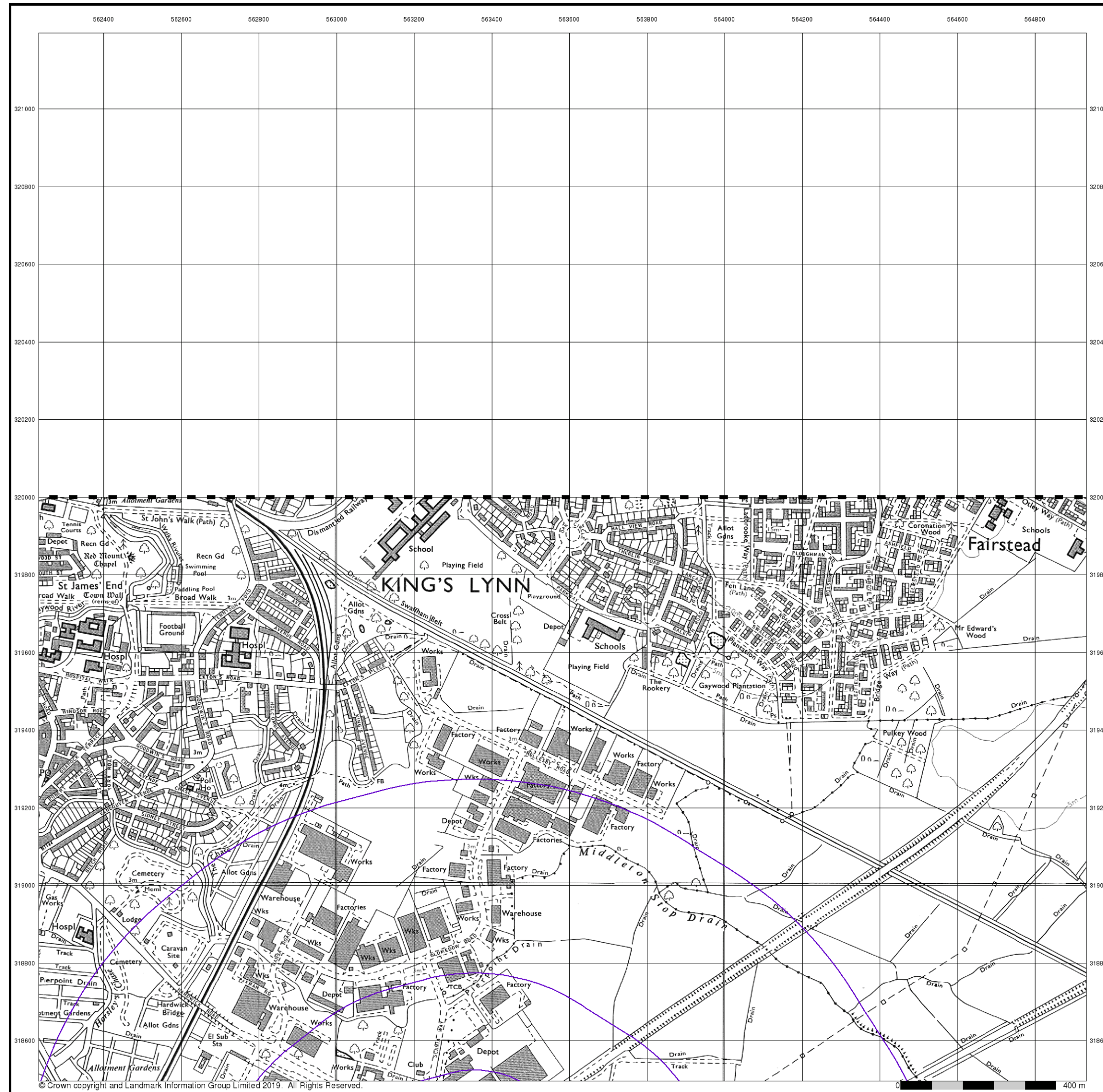
Historical Map - Slice E



Order Details
 Order Number: 201802352_1_1
 Customer Ref: 70039893
 National Grid Reference: 563340, 318810
 Slice: E
 Site Area (Ha): 30.98
 Search Buffer (m): 1000

Site Details
 Orchard Cottage, Rectory Lane, North Runcton, KING'S LYNN,
 PE33 0QS

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



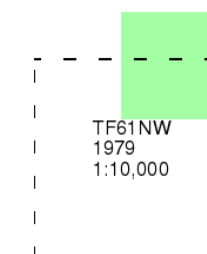
Ordnance Survey Plan

Published 1979

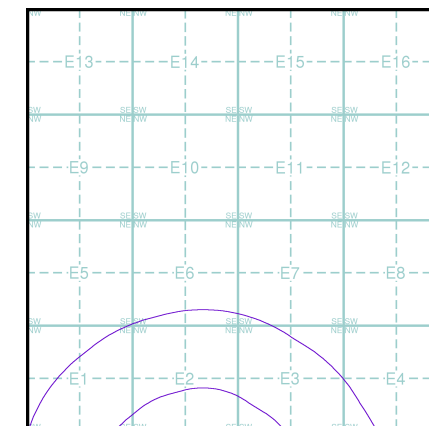
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