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**ARP GEOTECHNICAL LIMITED**  
**CHARTERED CONSULTING ENGINEERS**

## Ordnance Survey Plan

### Published 1966 - 1969

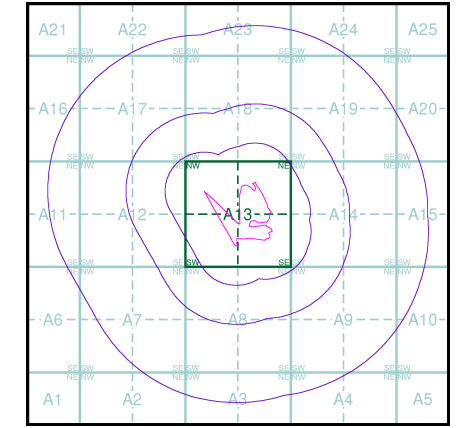
### Source map scale - 1:10,000

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)

SE11SW	SE11SE
1969	1968
1:10,560	1:10,560
SE10NW	
1966	
1:10,560	

### Historical Map - Slice A



### Order Details

Order Number: 47933383\_1\_1  
Customer Ref: MLR/07  
National Grid Reference: 414750, 411150  
Slice: A  
Site Area (Ha): 7.51  
Search Buffer (m): 1000

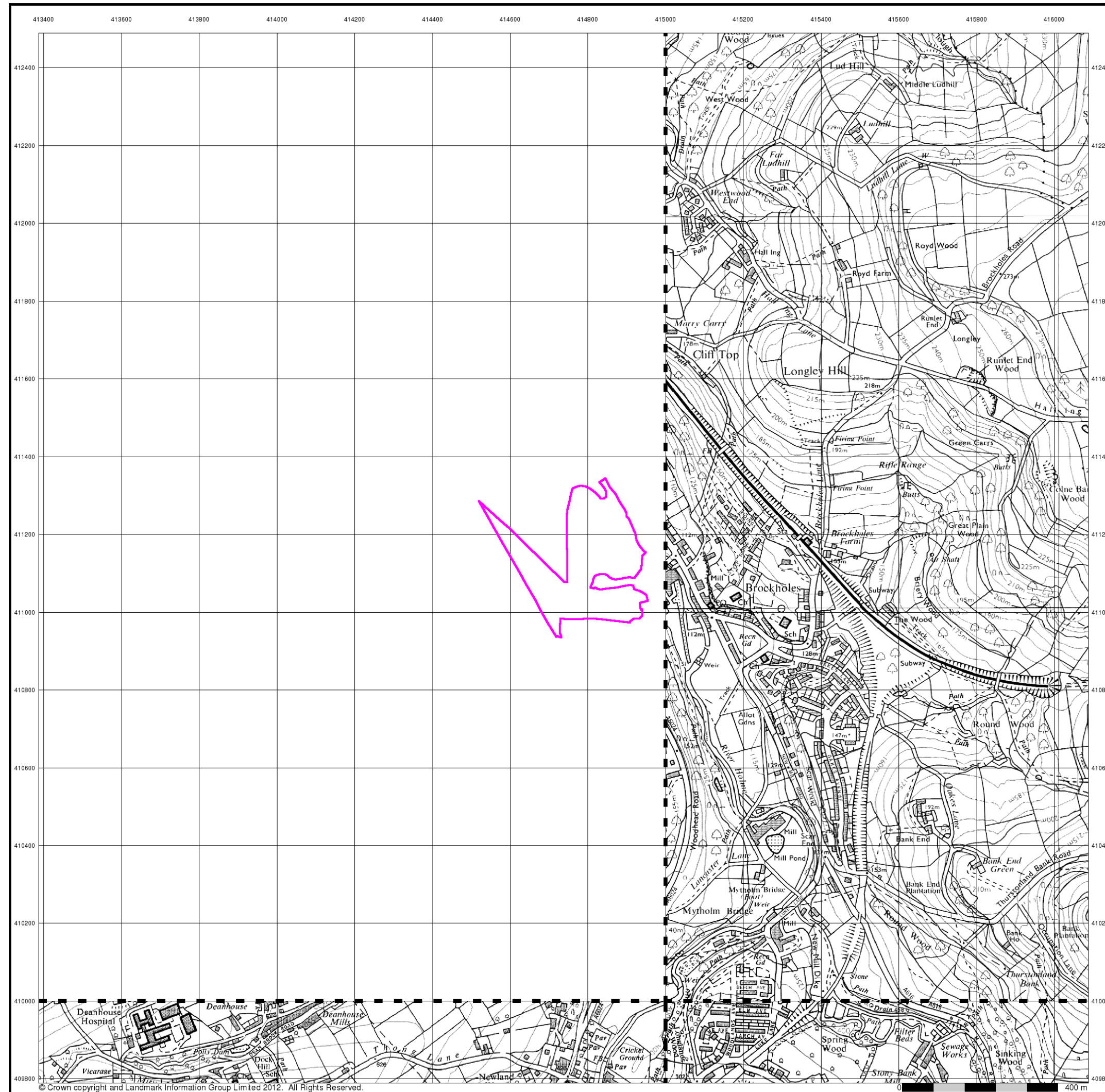
### Site Details

Land off Woodhead Rd, Brockholes, HOLMFIRTH, HD9 6PR



Tel: 0844 844 9952  
Fax: 0844 844 9951  
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## Ordnance Survey Plan

Published 1970 - 1979

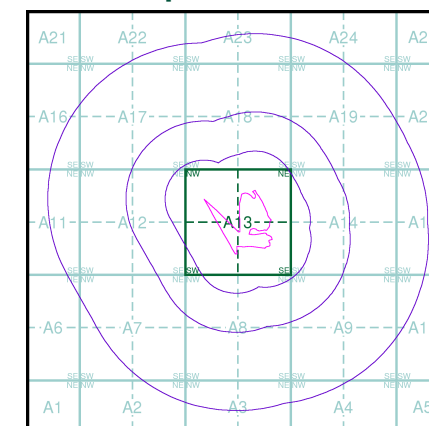
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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

SE11SE	1979	1:10,000
SE10NW	1970	1:10,560
SE10NE	1970	1:10,560

## Historical Map - Slice A



## Order Details

Order Number: 47933383\_1\_1  
Customer Ref: MLR/07  
National Grid Reference: 414750, 411150  
Slice: A  
Site Area (Ha): 7.51  
Search Buffer (m): 1000

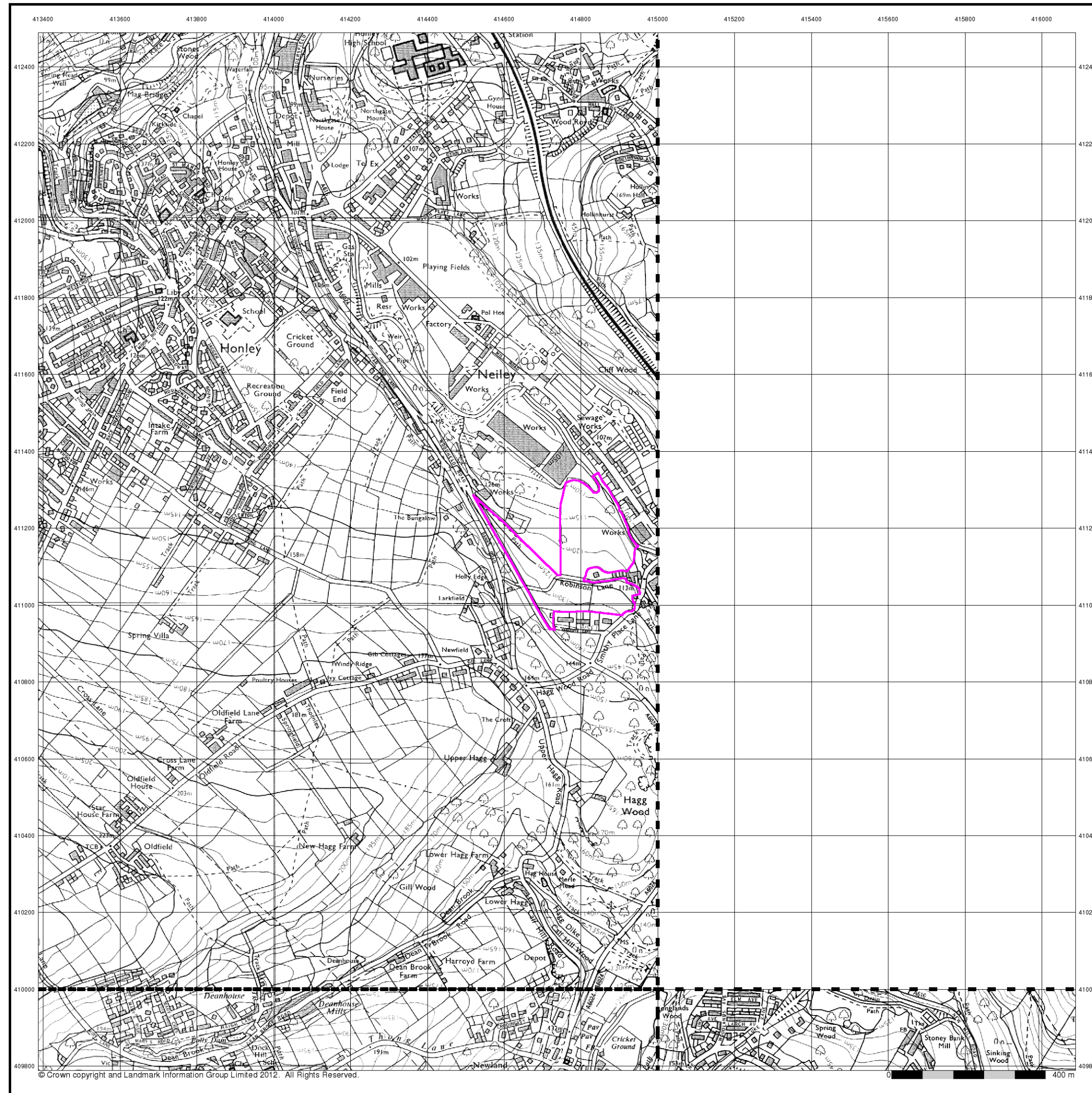
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## Ordnance Survey Plan

### Published 1982 - 1984

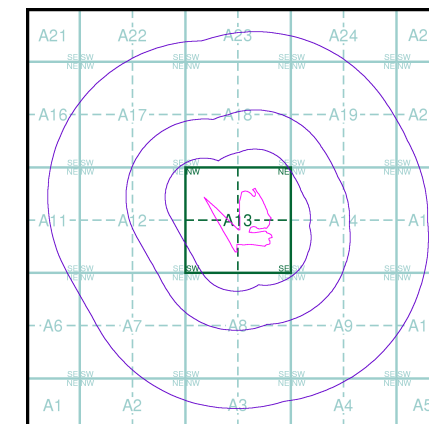
### Source map scale - 1:10,000

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)

SE11SW	1984	1:10,000
SE10NW	1982	1:10,000
SE10NE	1982	1:10,000

### Historical Map - Slice A



### Order Details

Order Number: 47933383\_1\_1  
Customer Ref: MLR/07  
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Slice: A  
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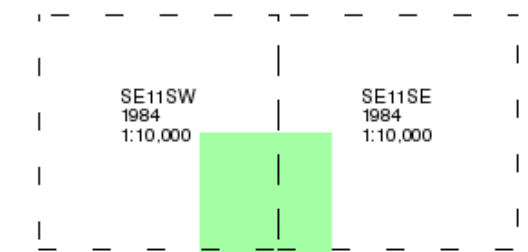
## Huddersfield

Published 1984

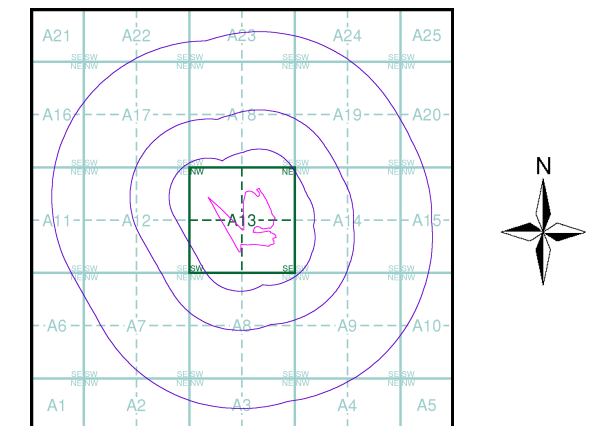
Source map scale - 1:10,000

These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use. They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

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



### Russian Map - Slice A



### Order Details

Order Number: 47933383\_1\_1  
Customer Ref: MLR/07  
National Grid Reference: 414750, 411150  
Slice: A  
Site Area (Ha): 7.51  
Search Buffer (m): 1000

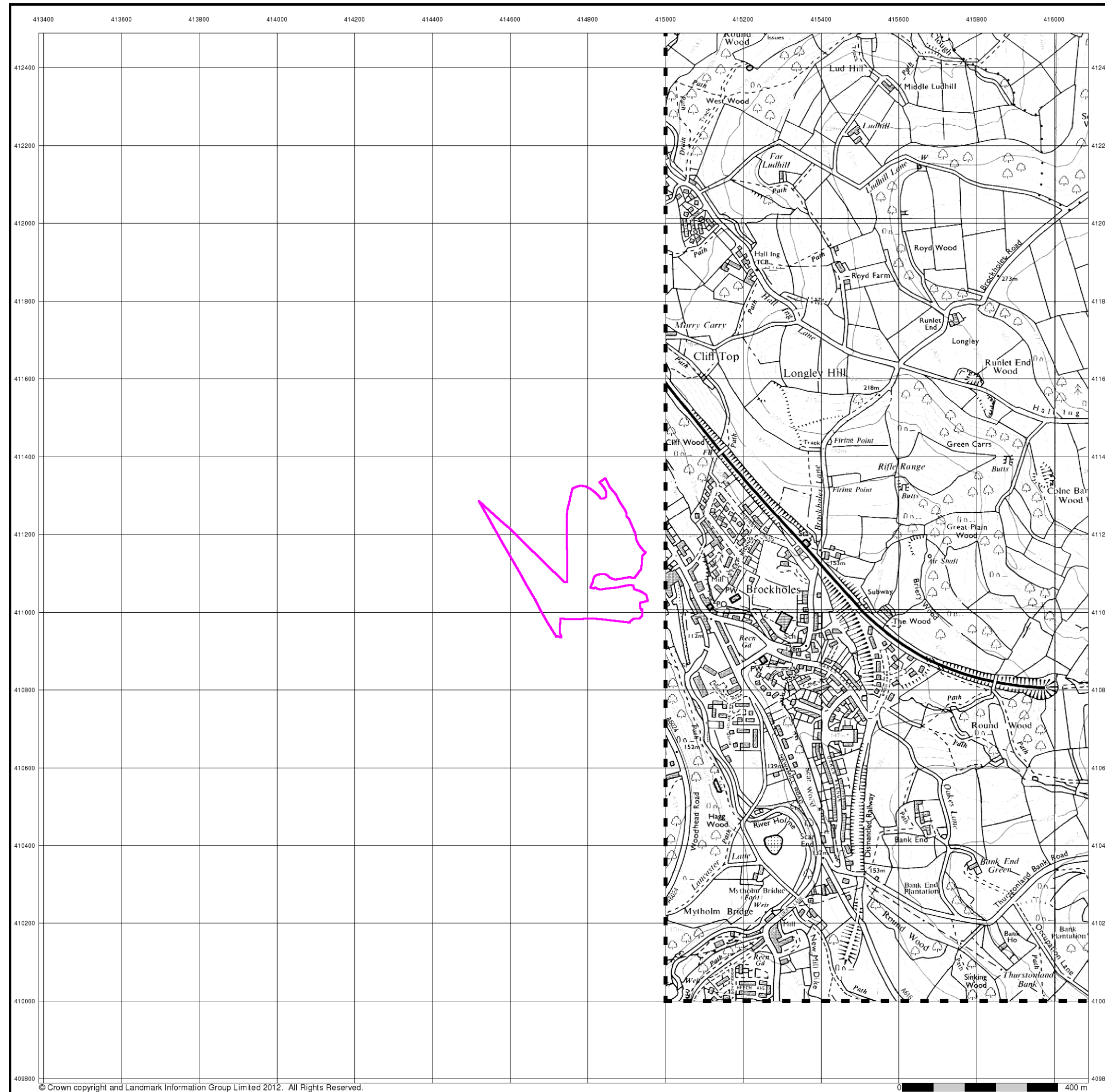
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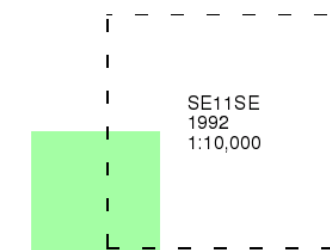
## Ordnance Survey Plan

Published 1992

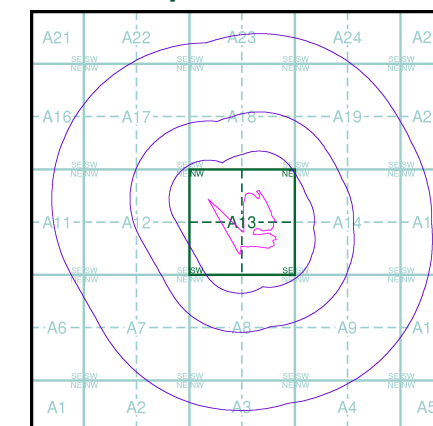
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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



## Historical Map - Slice A



## Order Details

Order Number: 47933383\_1\_1  
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National Grid Reference: 414750, 411150  
Slice: A  
Site Area (Ha): 7.51  
Search Buffer (m): 1000

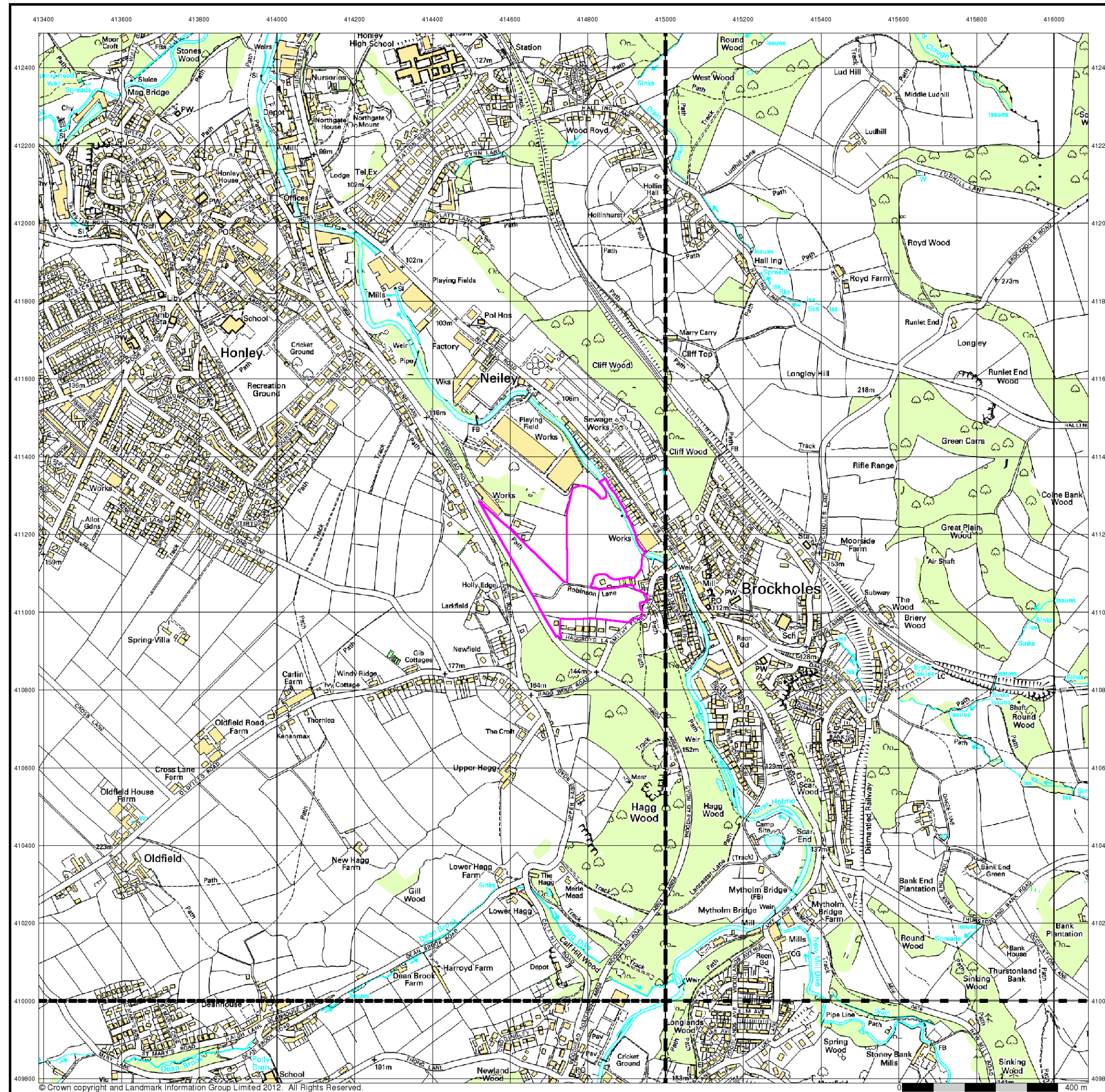
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## 10k Raster Mapping

**Published 2006**

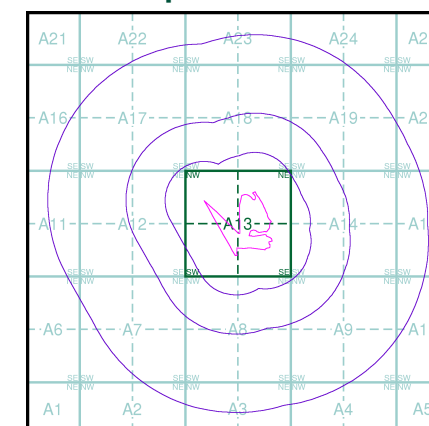
**Source map scale - 1:10,000**

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

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

SE11SW	SE11SE
2006	2006
1:10,000	1:10,000
SE10NW	SE10NE
2006	2006
1:10,000	1:10,000

## Historical Map - Slice A



## Order Details

Order Number: 47933383\_1\_1  
 Customer Ref: MLR/07  
 National Grid Reference: 414750, 411150  
 Slice: A  
 Site Area (Ha): 7.51  
 Search Buffer (m): 1000

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## 10k Raster Mapping

Published 2013

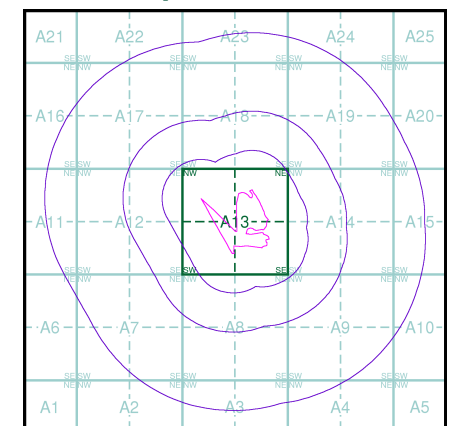
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

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

SE11SW	SE11SE
2013	2013
1:10,000	1:10,000
SE10NW	SE10NE
2013	2013
1:10,000	1:10,000

### Historical Map - Slice A



### Order Details

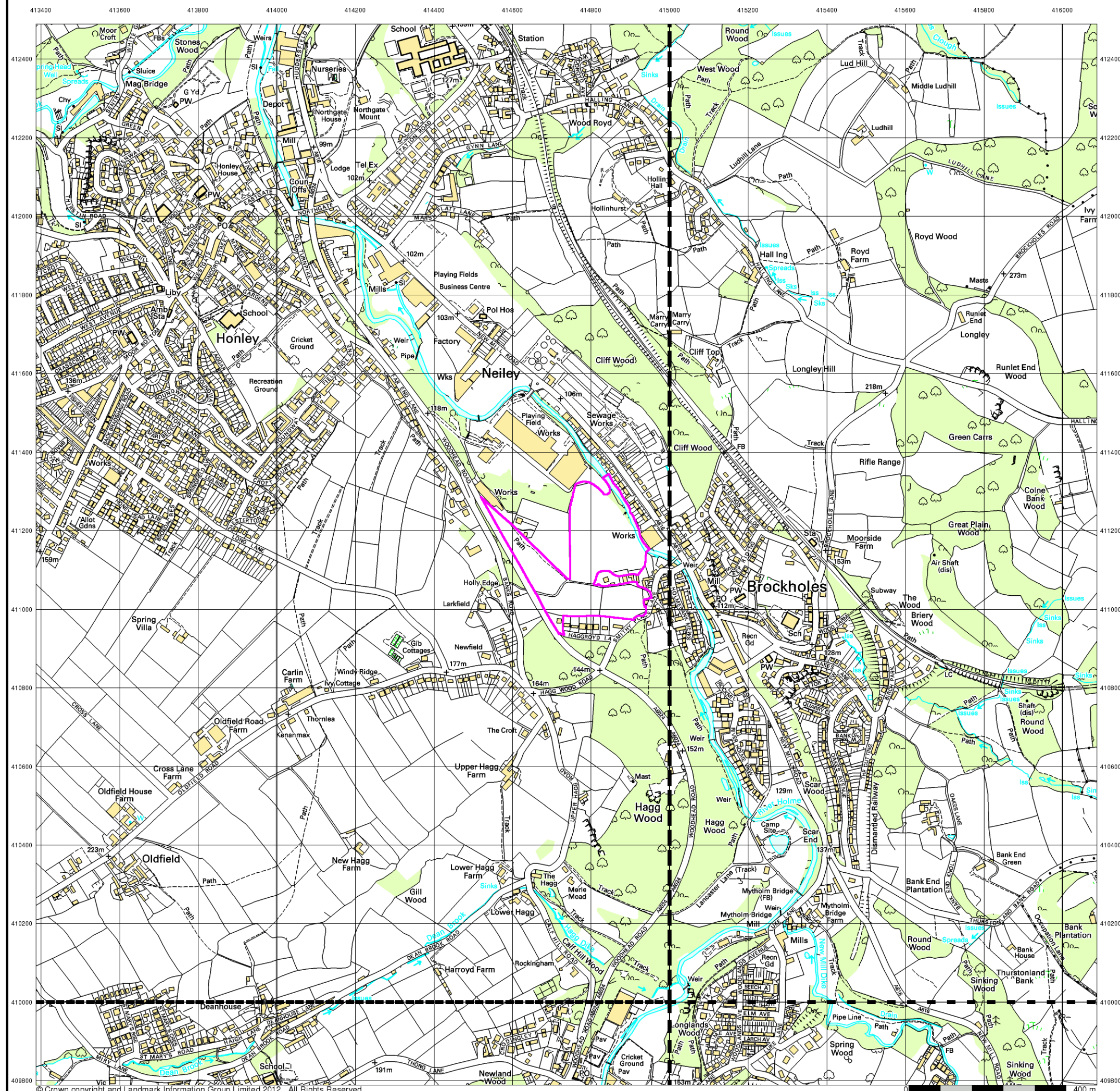
Order Number: 47933383\_1\_1  
Customer Ref: MLR/07  
National Grid Reference: 414750, 411150  
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## **APPENDIX C**

### **LANDMARK GEOLOGY 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
	RTDU	River Terrace Deposits (Undifferentiated)	Sand and Gravel	Quaternary - Quaternary

### Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	PLCM	Pennine Lower Coal Measures Formation	Mudstone, Siltstone and Sandstone	Langsettian (Westphalian A) - Langsettian (Westphalian A)
	SBF	Soft Bed Flags	Sandstone	Langsettian (Westphalian A) - Langsettian (Westphalian A)
	STNR	Stanningley Rock	Sandstone	Langsettian (Westphalian A) - Langsettian (Westphalian A)
	PLCM	Pennine Lower Coal Measures Formation	Sandstone	Langsettian (Westphalian A) - Langsettian (Westphalian A)
	GM	Greenmoor Rock	Sandstone	Langsettian (Westphalian A) - Langsettian (Westphalian A)
	GR	Grenoside Sandstone	Sandstone	Langsettian (Westphalian A) - Langsettian (Westphalian A)
	MBR	Middle Band Rock	Sandstone	Langsettian (Westphalian A) - Langsettian (Westphalian A)
	RR	Rough Rock	Sandstone	Yeadonian - Yeadonian
	RF	Rough Rock Flags	Sandstone	Yeadonian - Yeadonian
	MGCY	Unnamed Sandstone of Yeadonian Age (In Millstone Grit Group)	Sandstone	Yeadonian - Yeadonian
	HDW	Huddersfield White Rock	Sandstone	Marsdenian - Marsdenian
	GSYG	Guiseley Grit	Sandstone	Marsdenian - Marsdenian
	MGG	Midgley Grit	Sandstone	Marsdenian -

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	MG	Millstone Grit Group [See also Migr]	Mudstone, Siltstone and Sandstone	Namurian - Namurian
		Faults		
		Rock Segments		



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### Geology 1:50,000 Maps

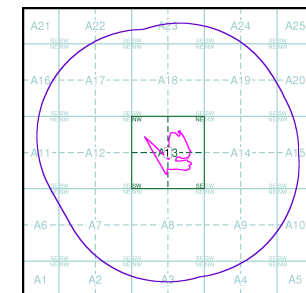
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published 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: 086  
Map Name: Glossop  
Map Date: 1974  
Bedrock Geology: Available  
Superficial Geology: Available  
Artificial Geology: Available  
Faults: Available  
Landslip: Available  
Rock Segments: Available

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



### Order Details:

Order Number: 47933383\_1\_1  
Customer Reference: MLR/07  
National Grid Reference: 414750, 411150  
Slice: A  
Site Area (Ha): 7.51  
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