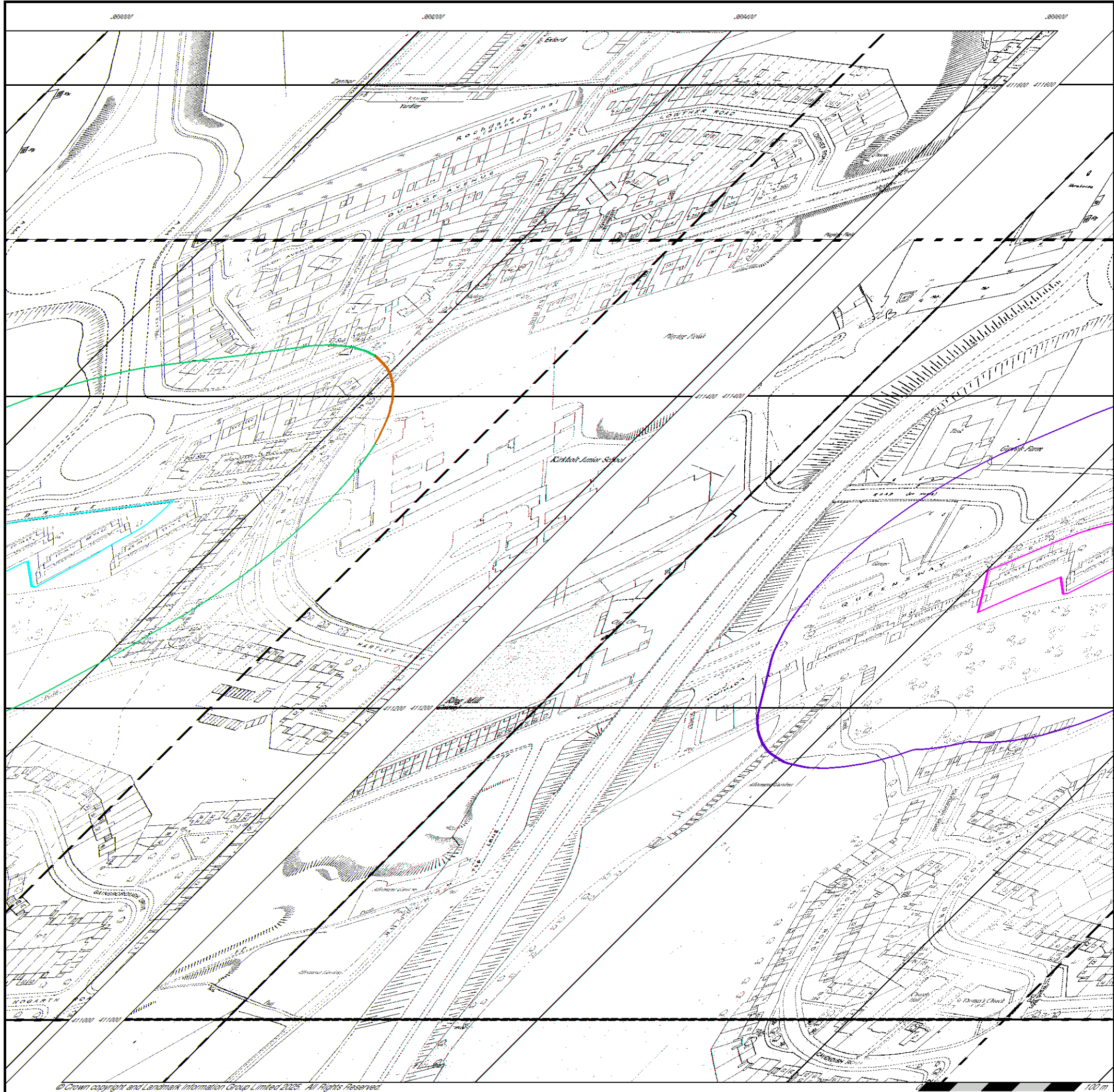




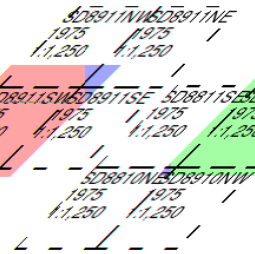
Supply of Unpublished Survey Information

Published 1975

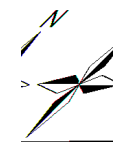
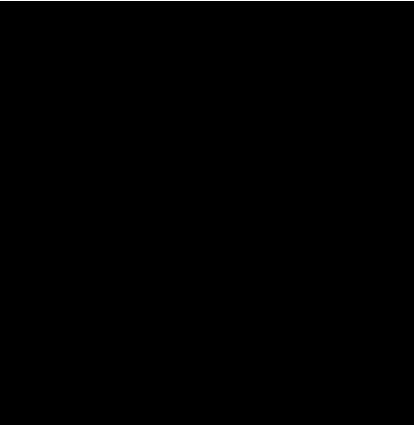
Source map scale - 1:1,250

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a 'work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

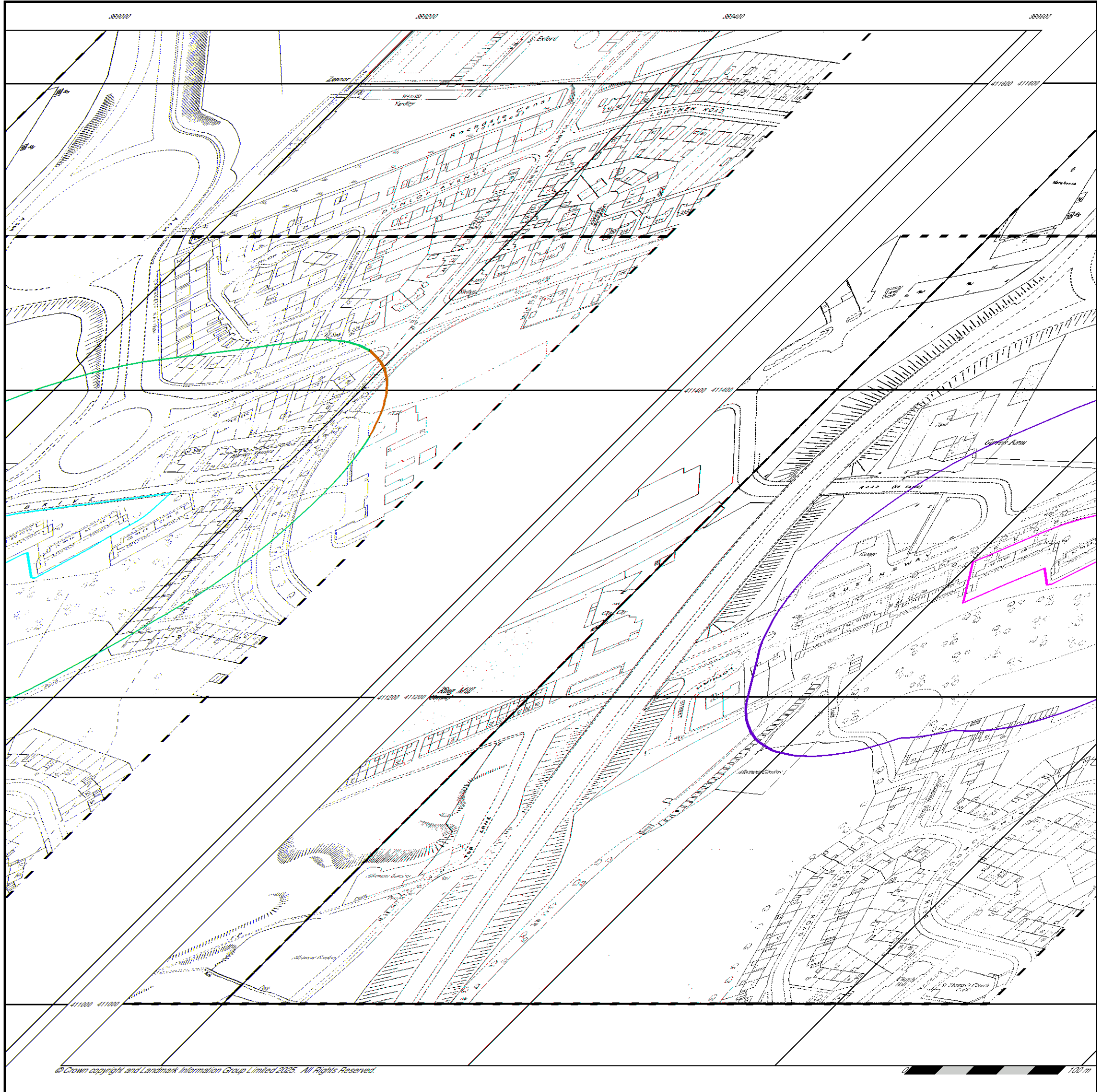
Order Number: 380671801_1_1
Customer Ref: 25-446
National Grid Reference: 389270, 411300
Slice: A
Site Area (Ha): 0.51
Search Buffer (m): 100

Site Details

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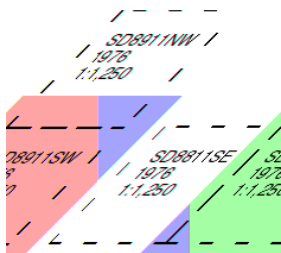
Supply of Unpublished Survey Information

Published 1976

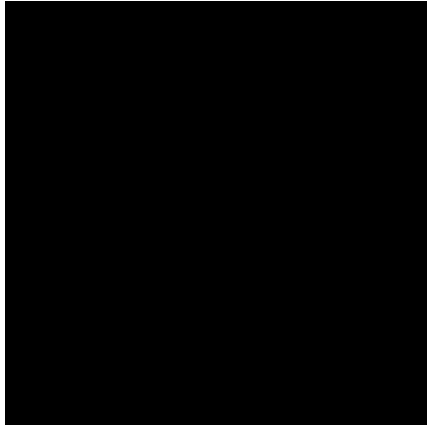
Source map scale - 1:1,250

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a 'work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

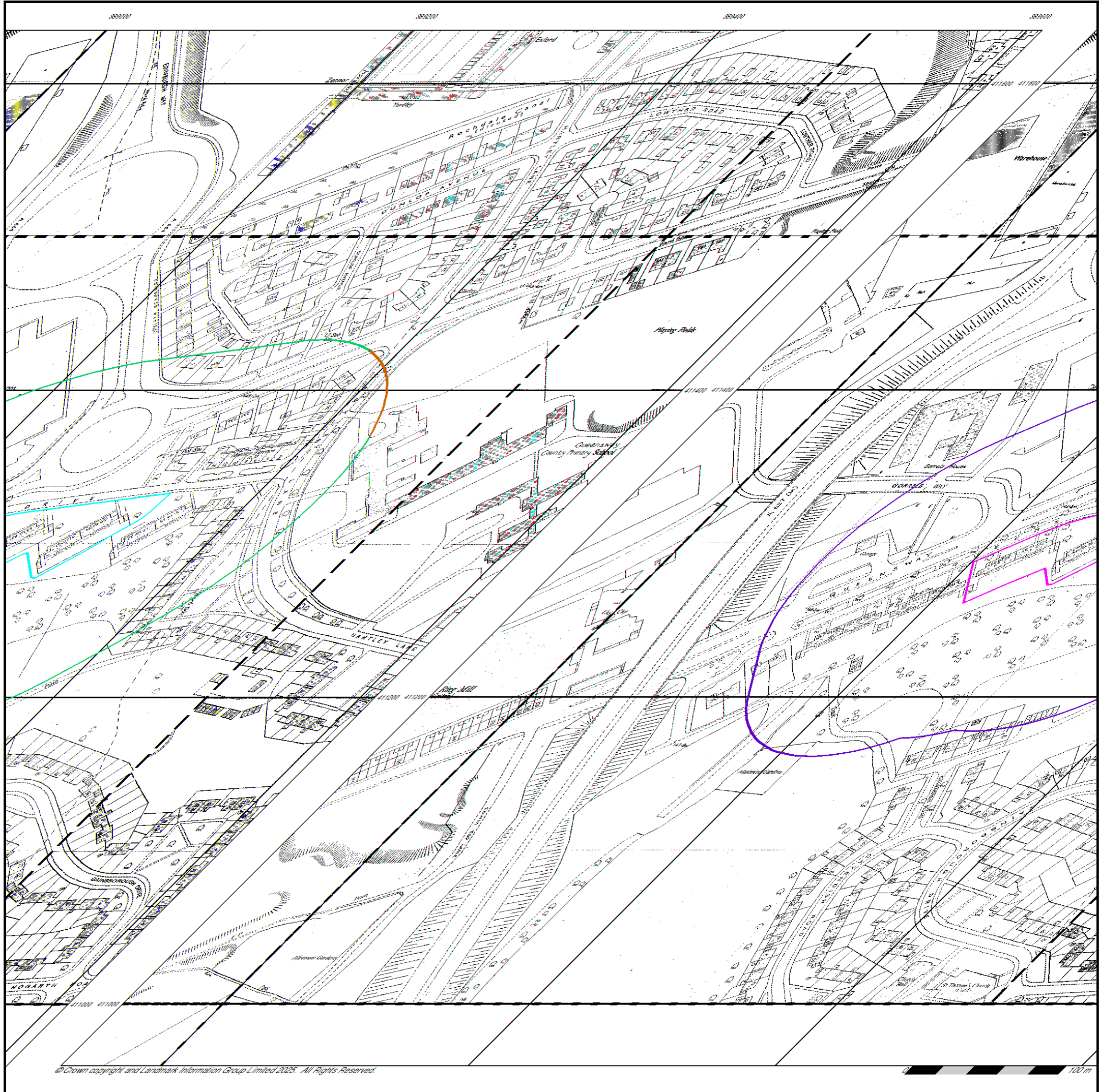
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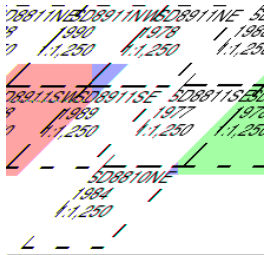
Additional SIMs

Published 1977 - 1990

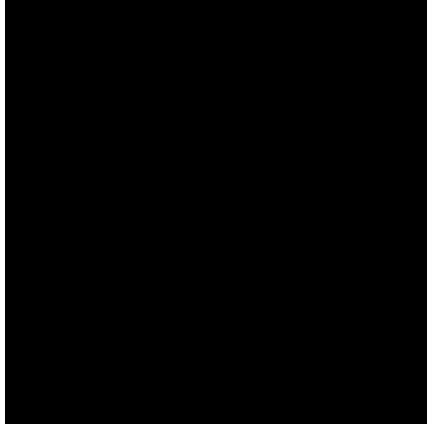
Source map scale - 1:1,250

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

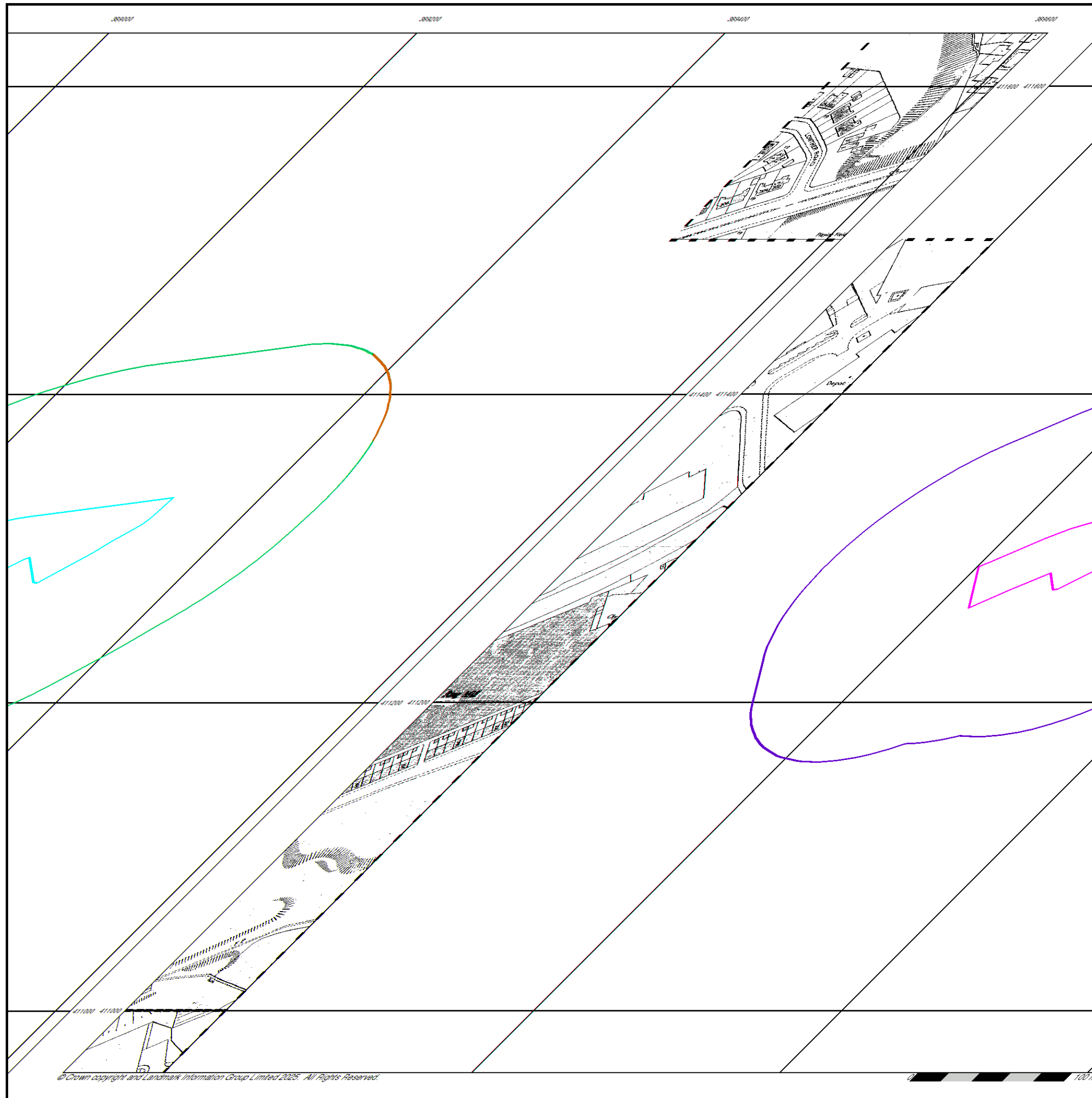
Order Number: 380671801_1_1
Customer Ref: 25-446
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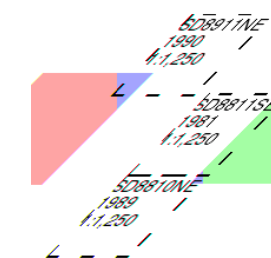
Additional SIMs

Published 1981 - 1990

Source map scale - 1:1,250

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

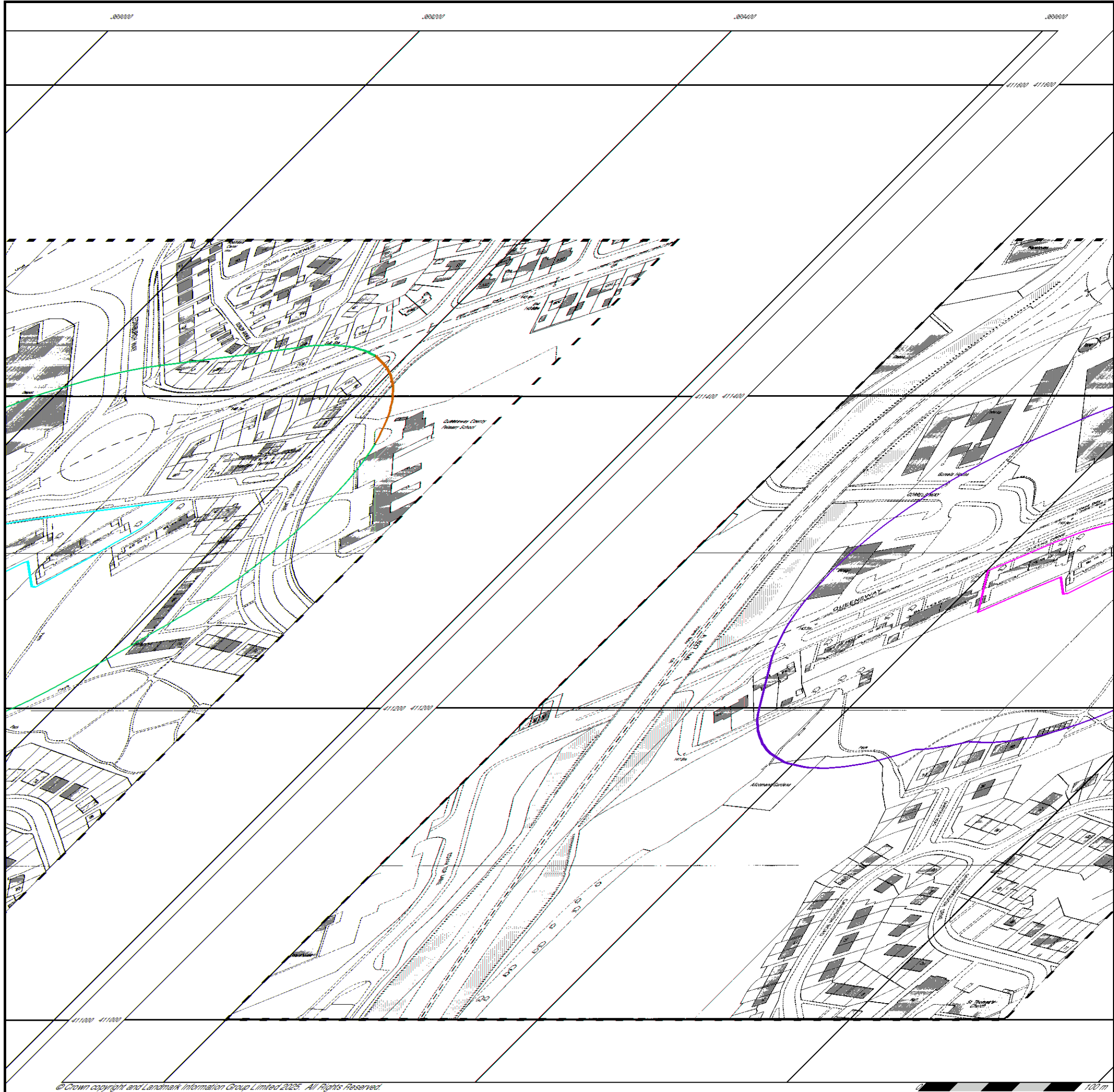
Order Number: 380671801_1_1
Customer Ref: 25-446
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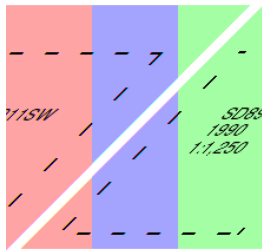
Ordnance Survey Plan

Published 1990

Source map scale - 1:1,250

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

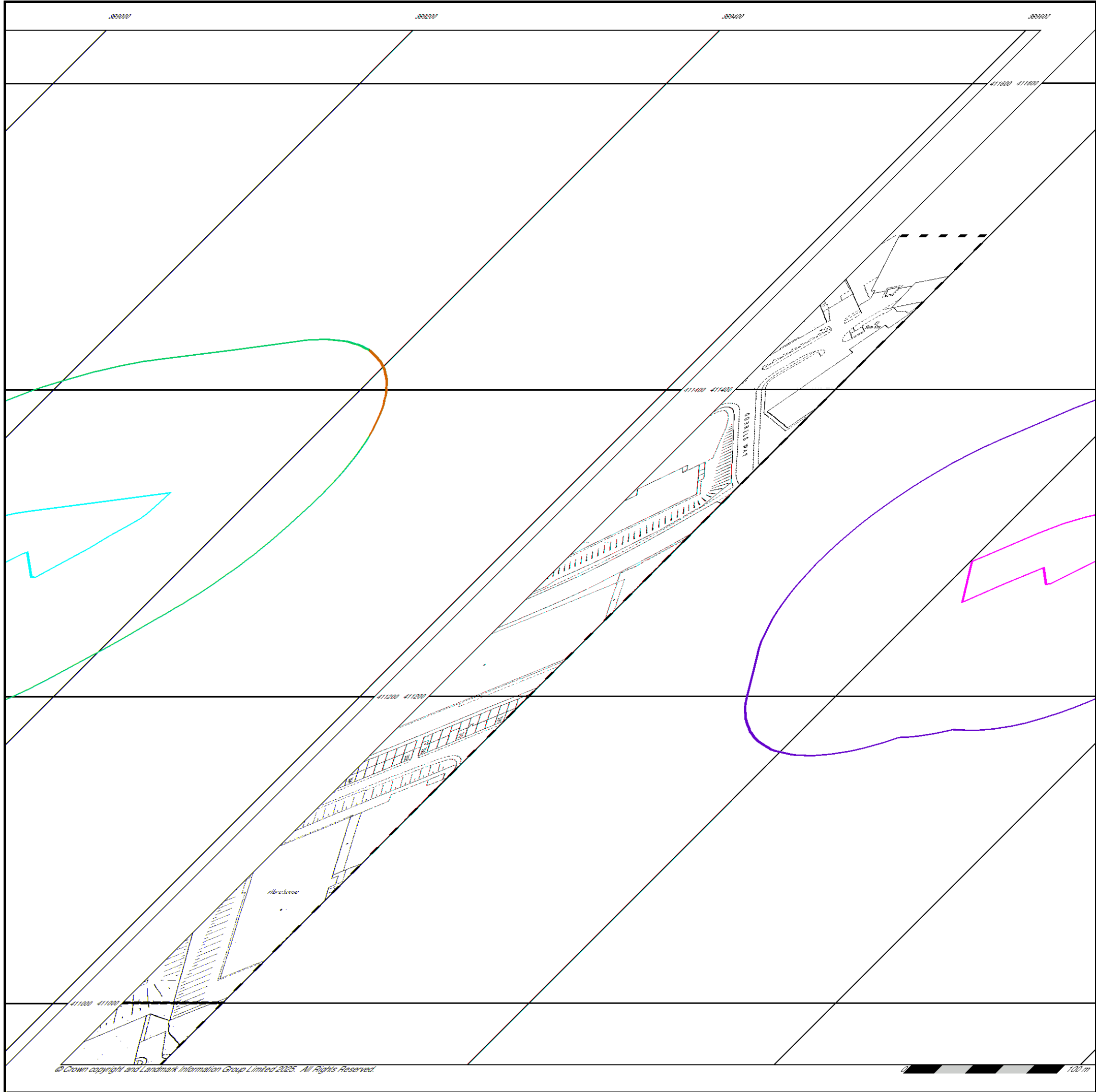
Order Number: 380671801_1_1
Customer Ref: 25-446
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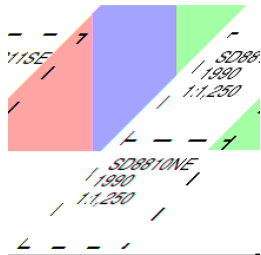
Additional SIMs

Published 1990

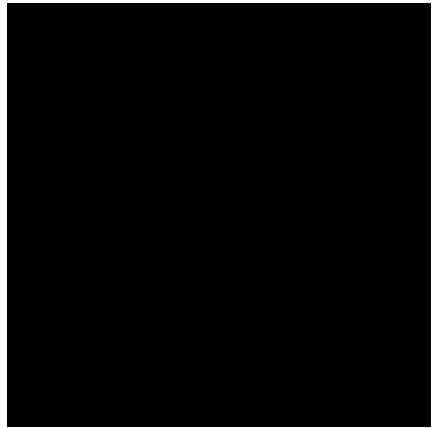
Source map scale - 1:1,250

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

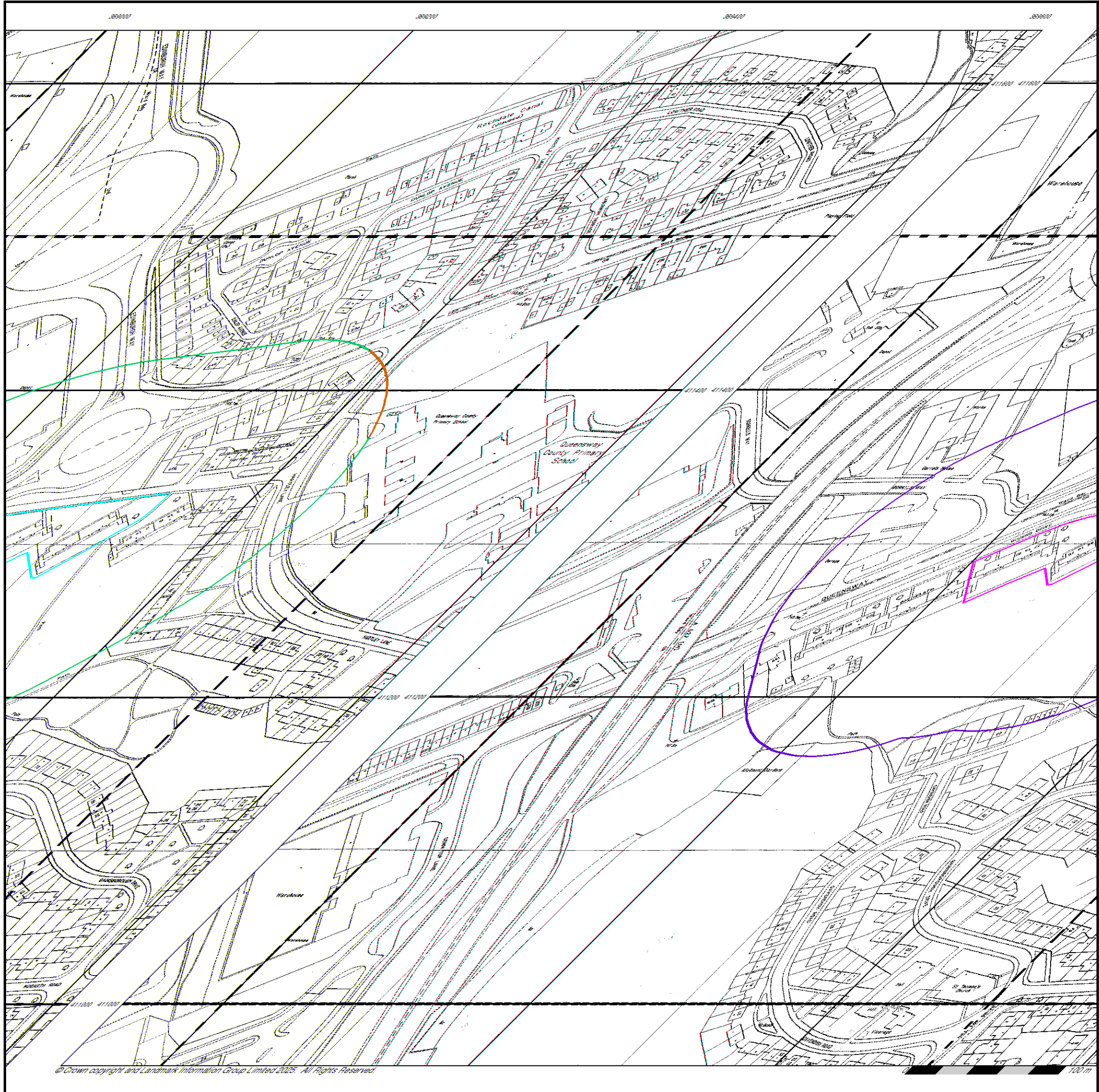
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Customer Ref: 25-446
National Grid Reference: 389270, 411300
Slice: A
Site Area (Ha): 0.51
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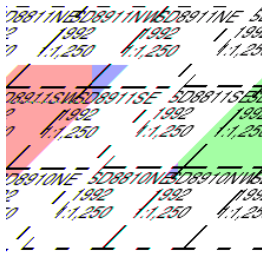
Large-Scale National Grid Data

Published 1992

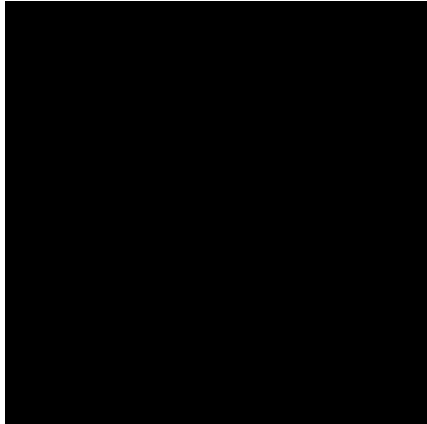
Source map scale - 1:1,250

'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)



Historical Map - Segment A13



Order Details

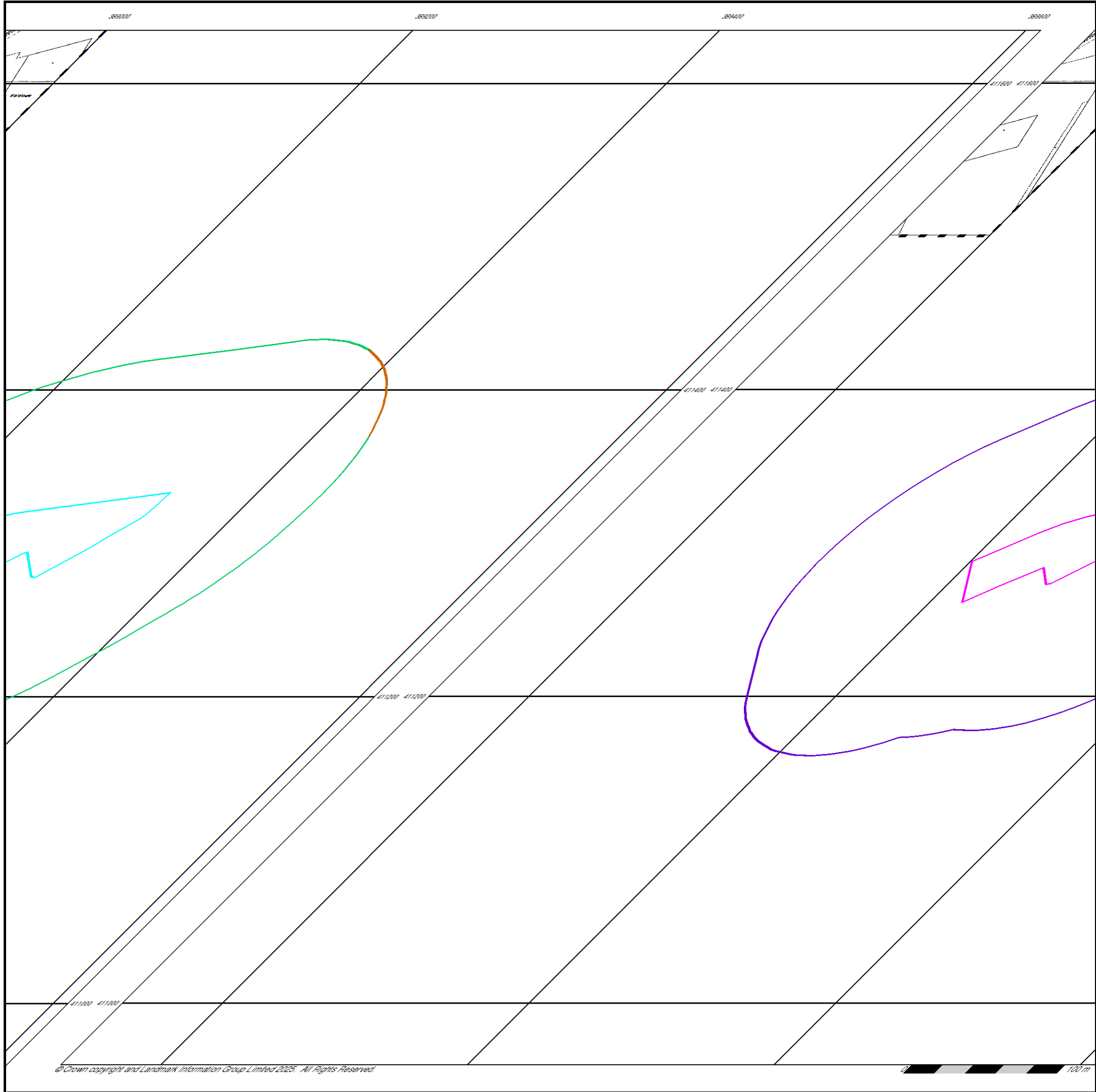
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Customer Ref: 25-446
National Grid Reference: 389270, 411300
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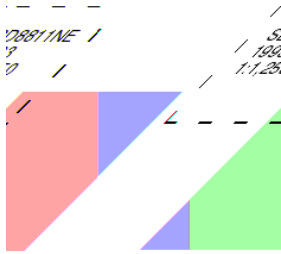
Large-Scale National Grid Data

Published 1993

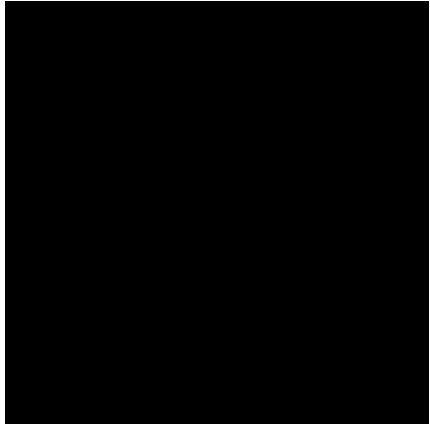
Source map scale - 1:1,250

'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)



Historical Map - Segment A13



Order Details

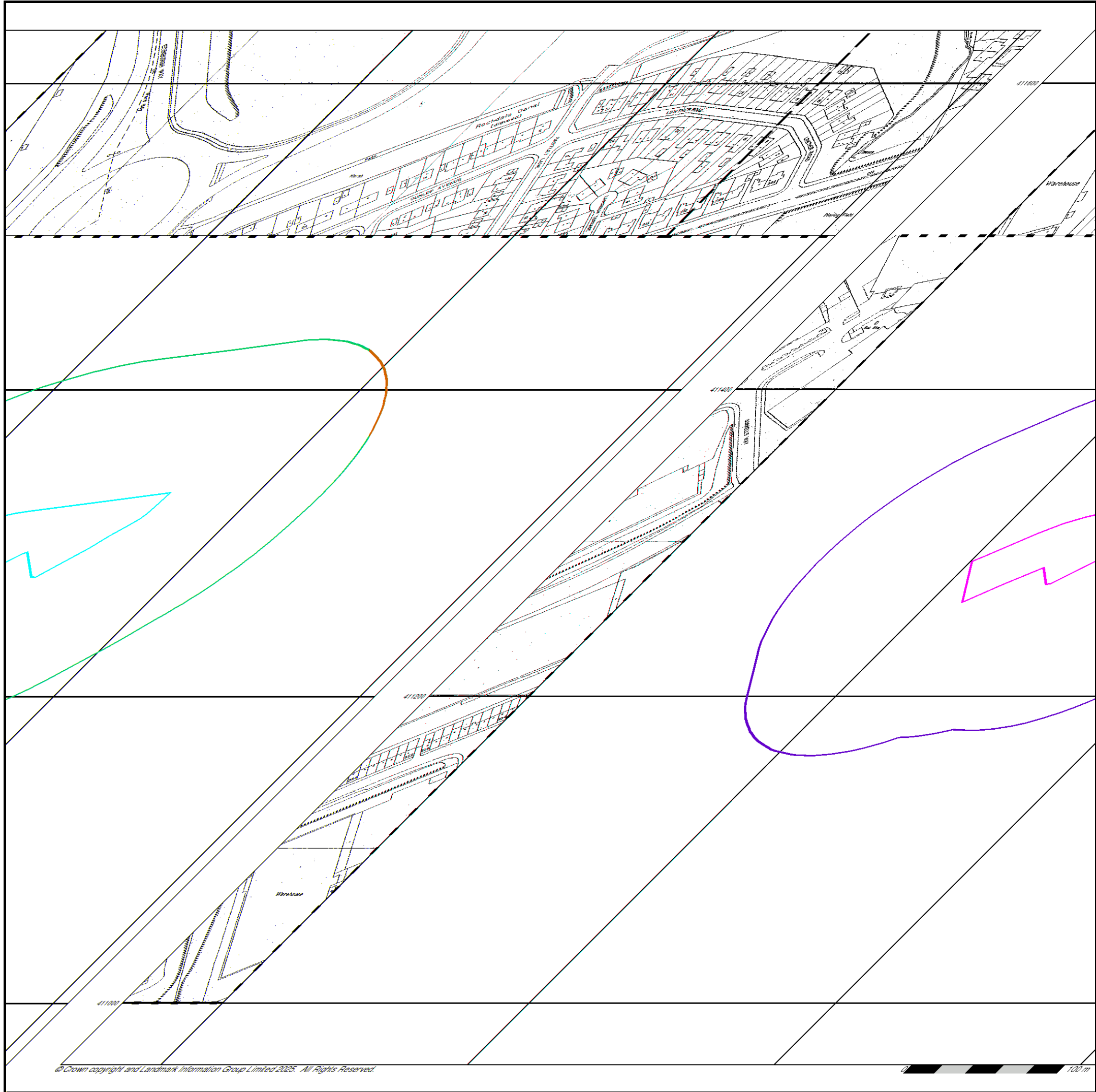
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Customer Ref: 25-446
National Grid Reference: 389270, 411300
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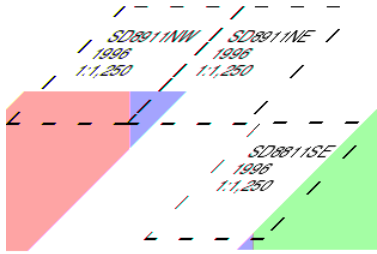
Large-Scale National Grid Data

Published 1996

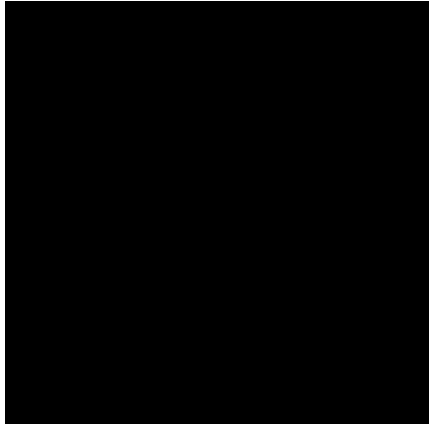
Source map scale - 1:1,250

'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)



Historical Map - Segment A13



Order Details

Order Number: 380671801_1_1
Customer Ref: 25-446
National Grid Reference: 389270, 411300
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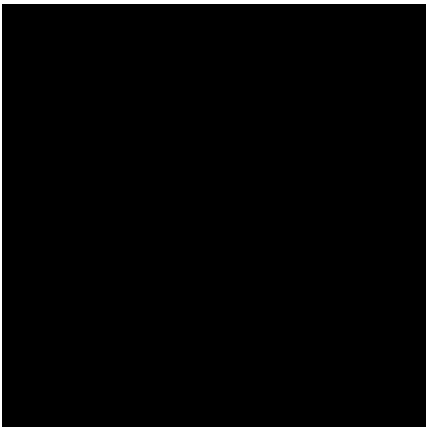


Historical Aerial Photography

Published 2000

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

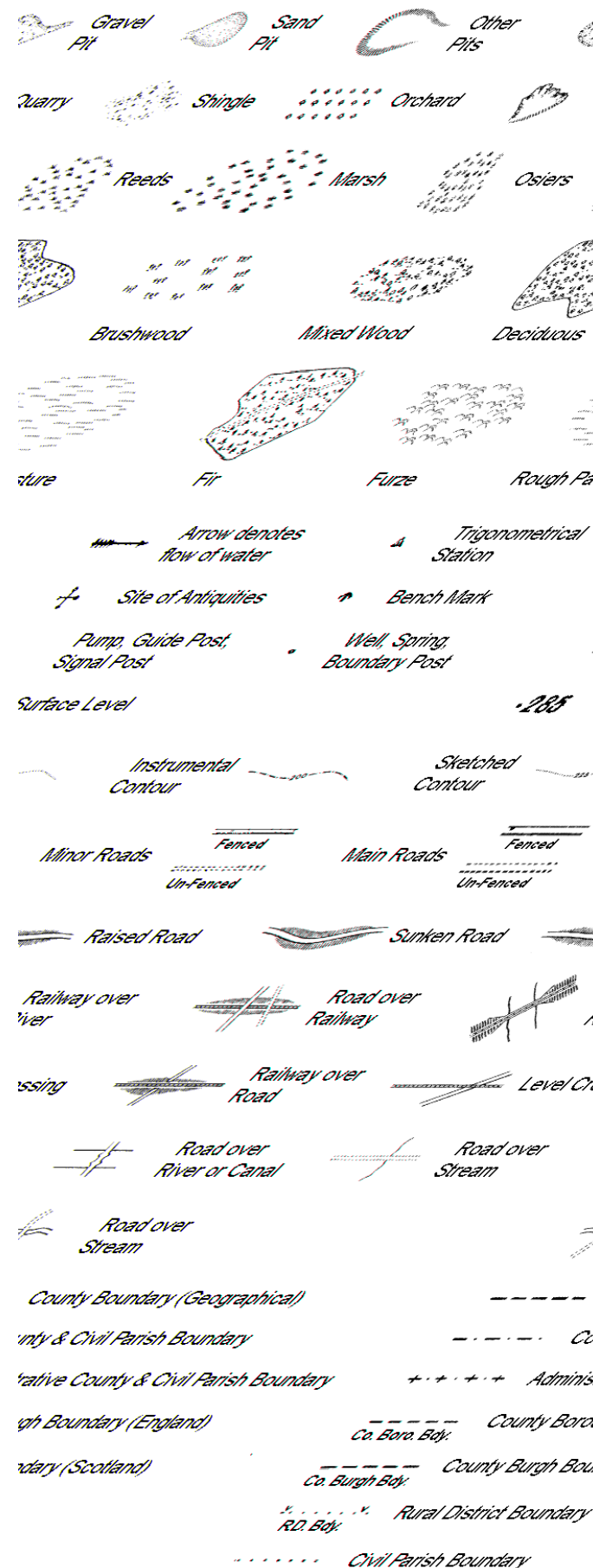
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Customer Ref: 25-446
National Grid Reference: 389270, 411300
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Site Area (Ha): 0.51
Search Buffer (m): 100

Site Details

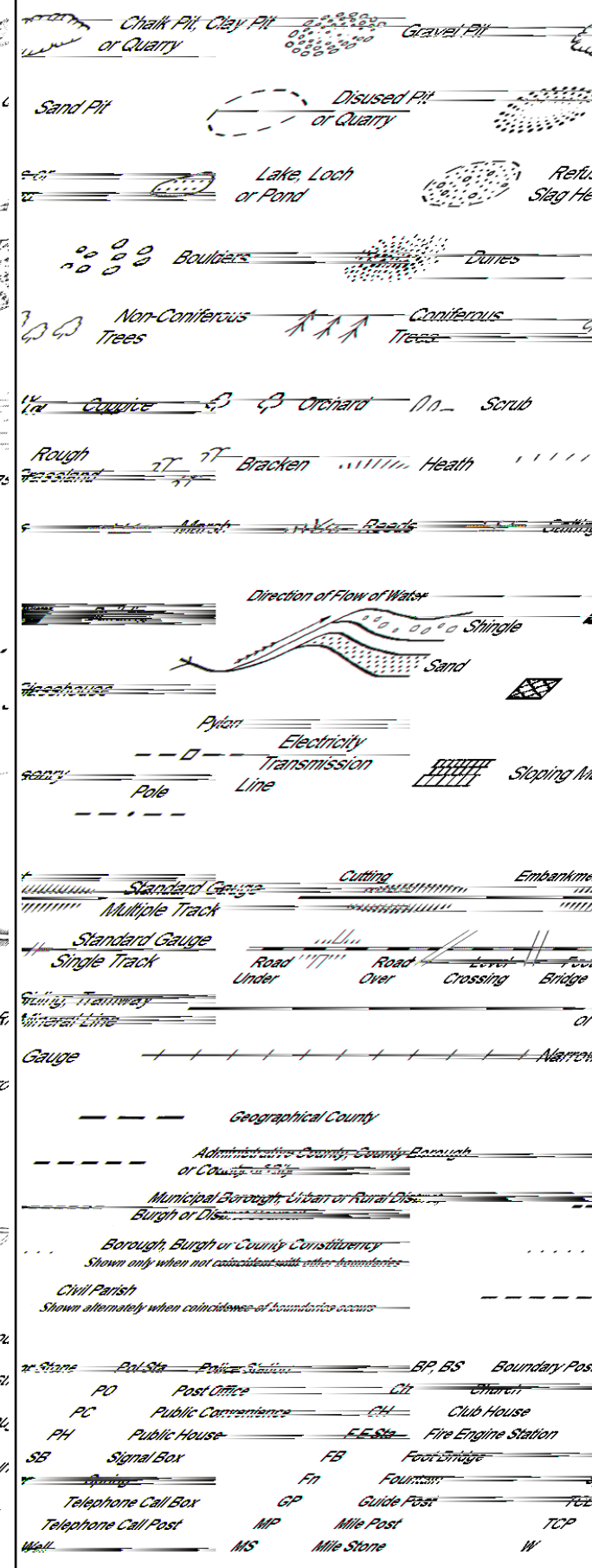
17, Queens Drive, ROCHDALE, OL11 2NP

Historical Mapping Legends

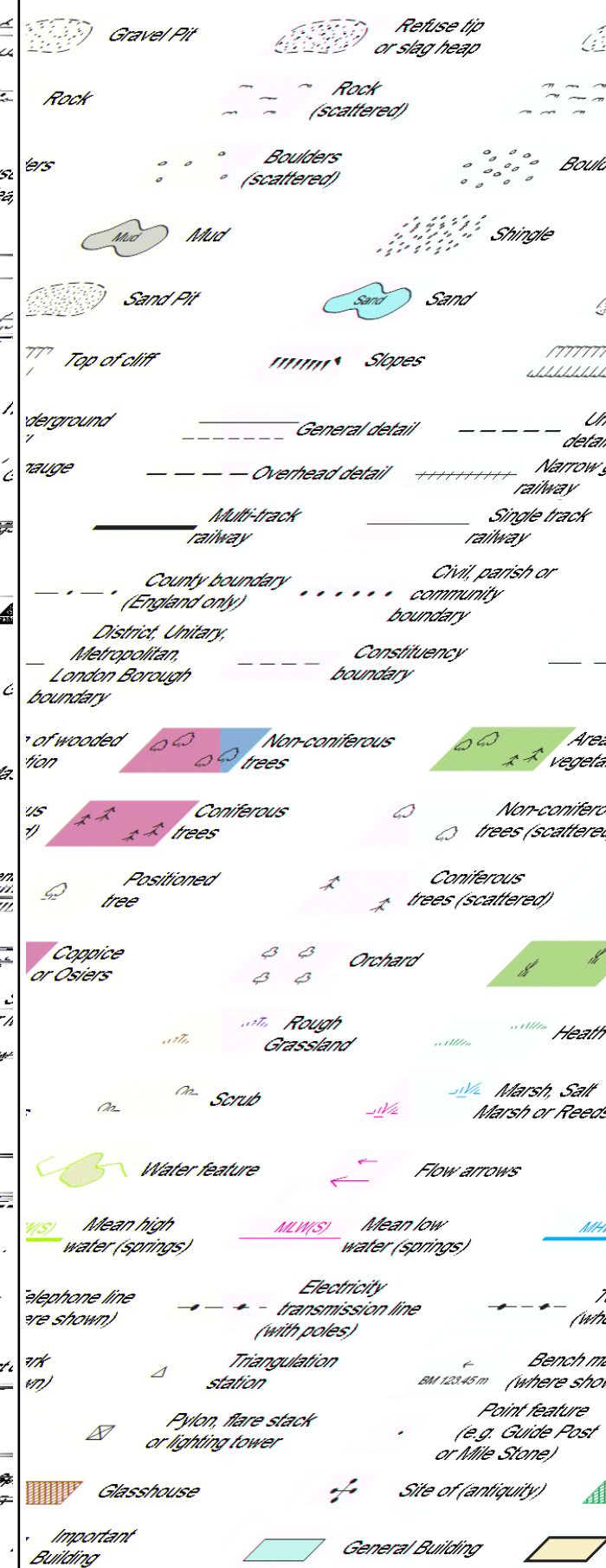
Ordnance Survey County Series 1:10,560



Ordnance Survey Plan 1:10,000



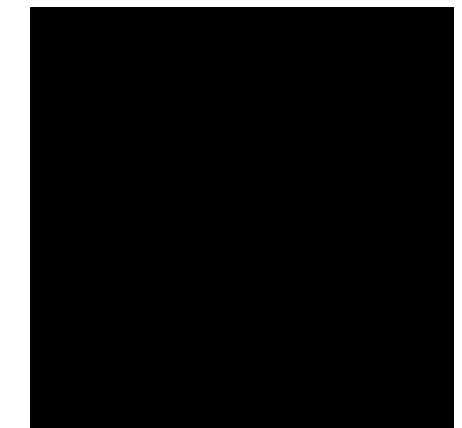
1:10,000 Raster Mapping



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1851	3
Yorkshire	1:10,560	1854	4
Lancashire And Furness	1:10,560	1894	5
Lancashire And Furness	1:10,560	1910 - 1911	6
Lancashire And Furness	1:10,560	1931 - 1932	7
Lancashire And Furness	1:10,560	1938	8
Ordnance Survey Plan	1:10,000	1956	9
Ordnance Survey Plan	1:10,000	1965 - 1968	10
Ordnance Survey Plan	1:10,000	1975 - 1979	11
Manchester	1:25,000	1975	12
Ordnance Survey Plan	1:10,000	1983 - 1988	13
Ordnance Survey Plan	1:10,000	1990 - 1993	14
10K Raster Mapping	1:10,000	1999	15
10K Raster Mapping	1:10,000	2006	16
VectorMap Local	1:10,000	2024	17

Historical Map - Slice A



Order Details

Order Number: 380671801_1_1
Customer Ref: 25-446
National Grid Reference: 389270, 411300
Slice: A
Site Area (Ha): 0.51
Search Buffer (m): 1000

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Russian Military Mapping Legends

1:5,000 and 1:10,000 mapping

1:25,000 mapping

Key to Numbers on Mapping



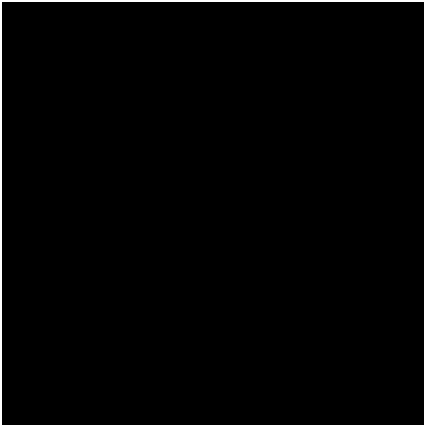
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1851	3
Yorkshire	1:10,560	1854	4
Lancashire And Furness	1:10,560	1894	5
Lancashire And Furness	1:10,560	1910 - 1911	6
Lancashire And Furness	1:10,560	1931 - 1932	7
Lancashire And Furness	1:10,560	1938	8
Ordnance Survey Plan	1:10,000	1956	9
Ordnance Survey Plan	1:10,000	1965 - 1968	10
Ordnance Survey Plan	1:10,000	1975 - 1979	11
Manchester	1:25,000	1975	12
Ordnance Survey Plan	1:10,000	1983 - 1988	13
Ordnance Survey Plan	1:10,000	1990 - 1993	14
10K Raster Mapping	1:10,000	1999	15
10K Raster Mapping	1:10,000	2006	16
VectorMap Local	1:10,000	2024	17

SD81_Manchester

No.	Description
8	Industrial Buildings (Use Unknown)
108	Mill (Flour)
134	Foundry (Cast Iron)

Russian Map - Slice A



Order Details

Order Number: 380671801_1_1
Customer Ref: 25-446
National Grid Reference: 389270, 411300
Slice: A
Site Area (Ha): 0.51
Search Buffer (m): 1000

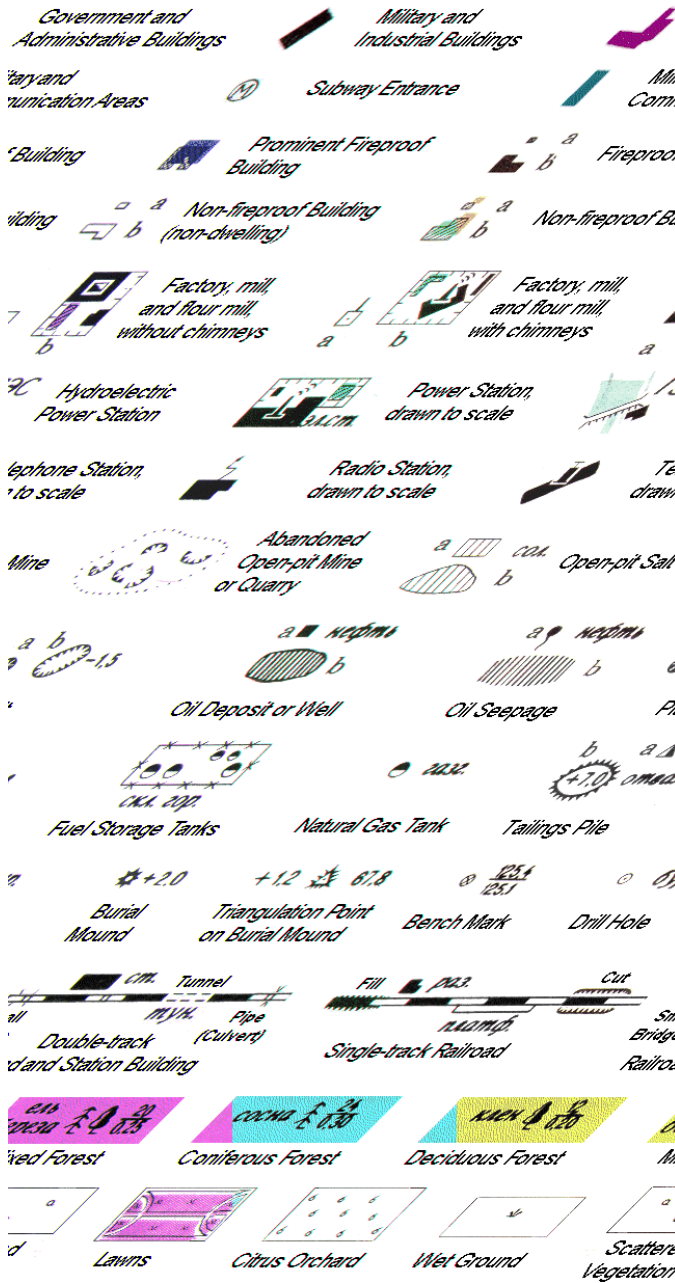
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a. Not drawn to scale b. Drawn to scale



243.8 Values for prominent elevations

9.0 Numbers for spot elevations, depth soundings, contour lines, etc.

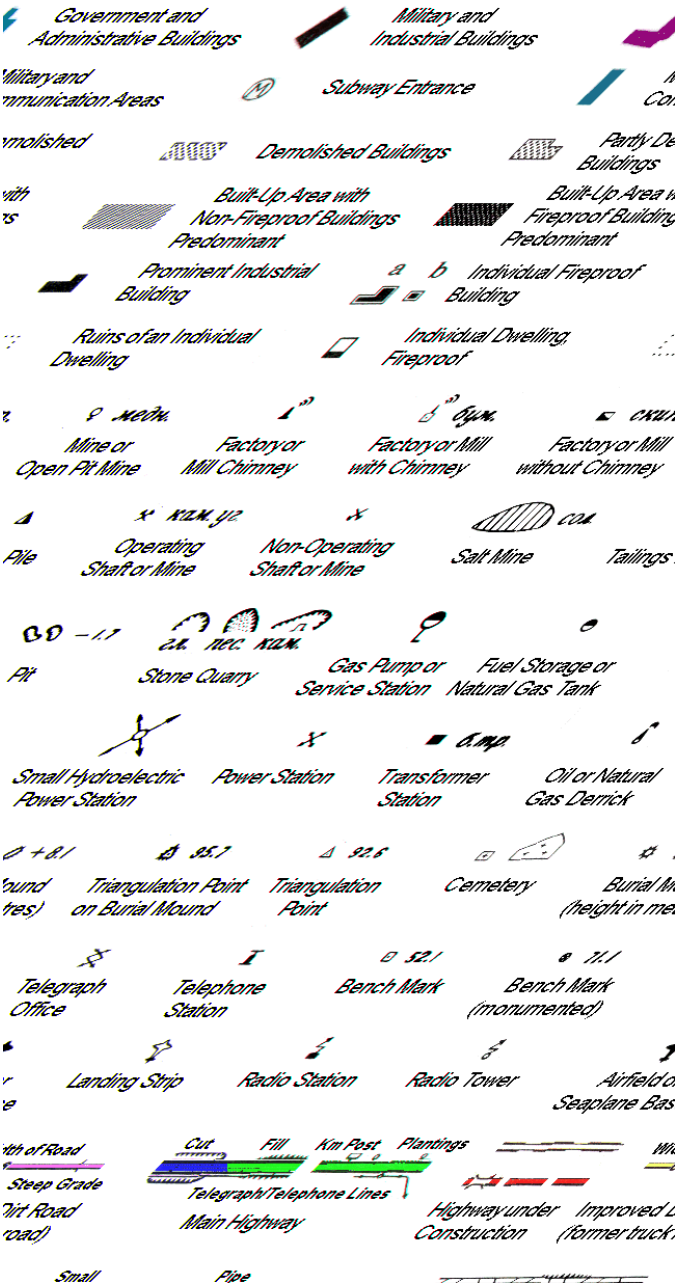
Velocity of the current, width of river bed, depth of river
Fractional terms: length and capacity of bridges, depth of pits and condition of the river bottom, height of forest and diameter of trees

(For reference and phonetic interpretation of map text)

Russian Alphabet

П п (P)	Ч ч (CH)	А а (A)	З з (Z)
Р р (R)	Ш ш (SH)	Б б (B)	И и (I)
С с (S)	Щ щ (SHCH)	В в (V)	Й й (Y)
Т т (T)	Ъ ъ (-)	Г г (G)	К к (K)
У у (U)	Ы ы (Y)	Д д (D)	Л л (L)
Ф ф (F)	Е е (E)	Ж ж (ZH)	М м (M)
Х х (X)	Ю ю (YU or IU)	Н н (N)	О о (O)
Ц ц (TS)	Я я (YA or IA)	П п (P)	Р р (R)

a. Not drawn to scale b. Drawn to scale



243.8 Values for prominent elevations

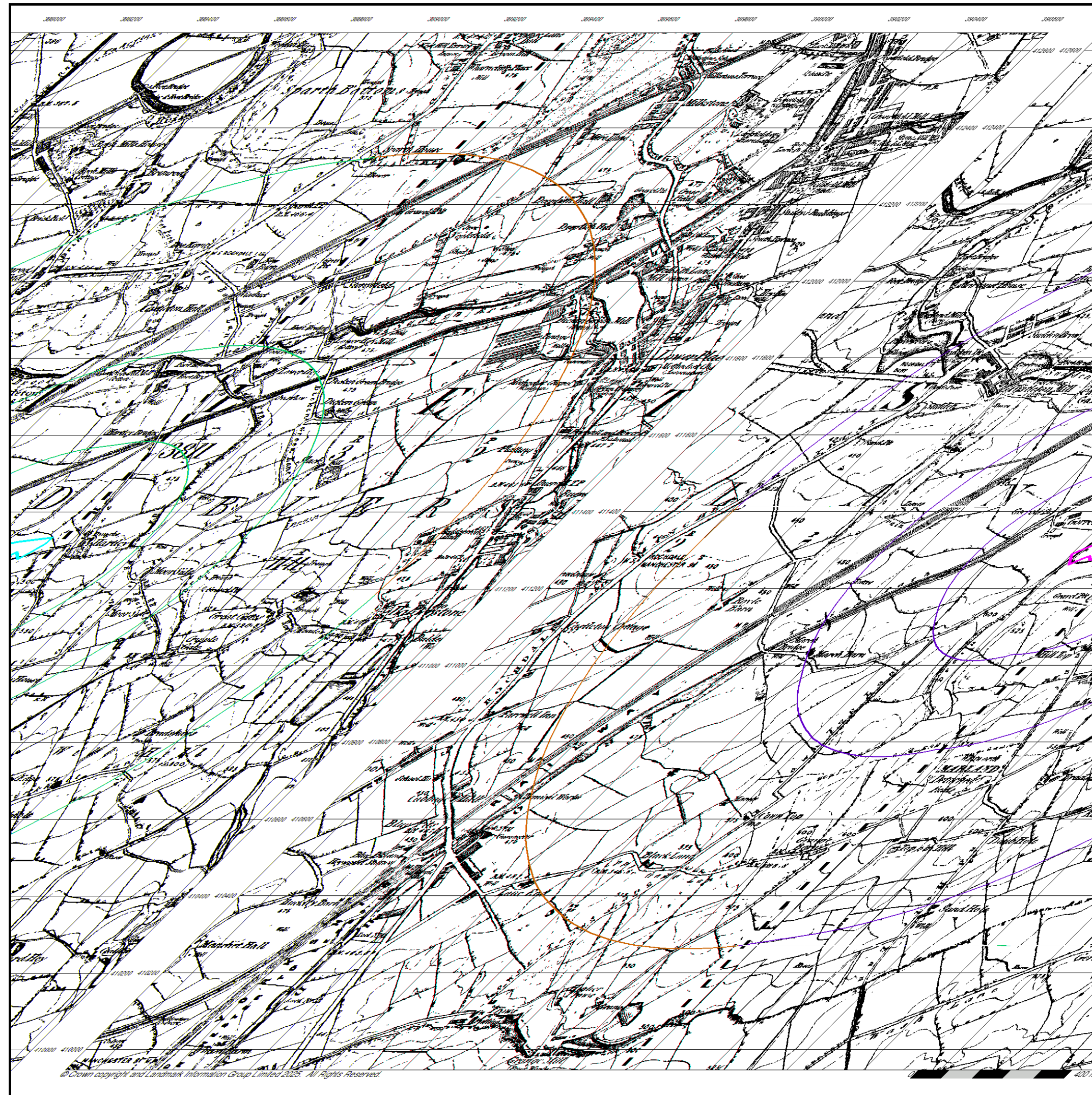
9.0 Numbers for spot elevations, depth soundings, contour lines, etc.

Velocity of the current, width of river bed, depth of river
Fractional terms: length and capacity of bridges, depth of pits and condition of the river bottom, height of forest and diameter of trees

(For reference and phonetic interpretation of map text)

Russian Alphabet

П п (P)	Ч ч (CH)	А а (A)	З з (Z)
Р р (R)	Ш ш (SH)	Б б (B)	И и (I)
С с (S)	Щ щ (SHCH)	В в (V)	Й й (Y)
Т т (T)	Ъ ъ (-)	Г г (G)	К к (K)
У у (U)	Ы ы (Y)	Д д (D)	Л л (L)
Ф ф (F)	Е е (E)	Ж ж (ZH)	М м (M)
Х х (X)	Ю ю (YU or IU)	Н н (N)	О о (O)
Ц ц (TS)	Я я (YA or IA)	П п (P)	Р р (R)



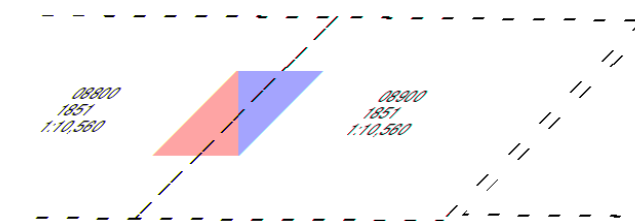
Lancashire And Furness

Published 1851

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)



Historical Map - Slice A



Order Details

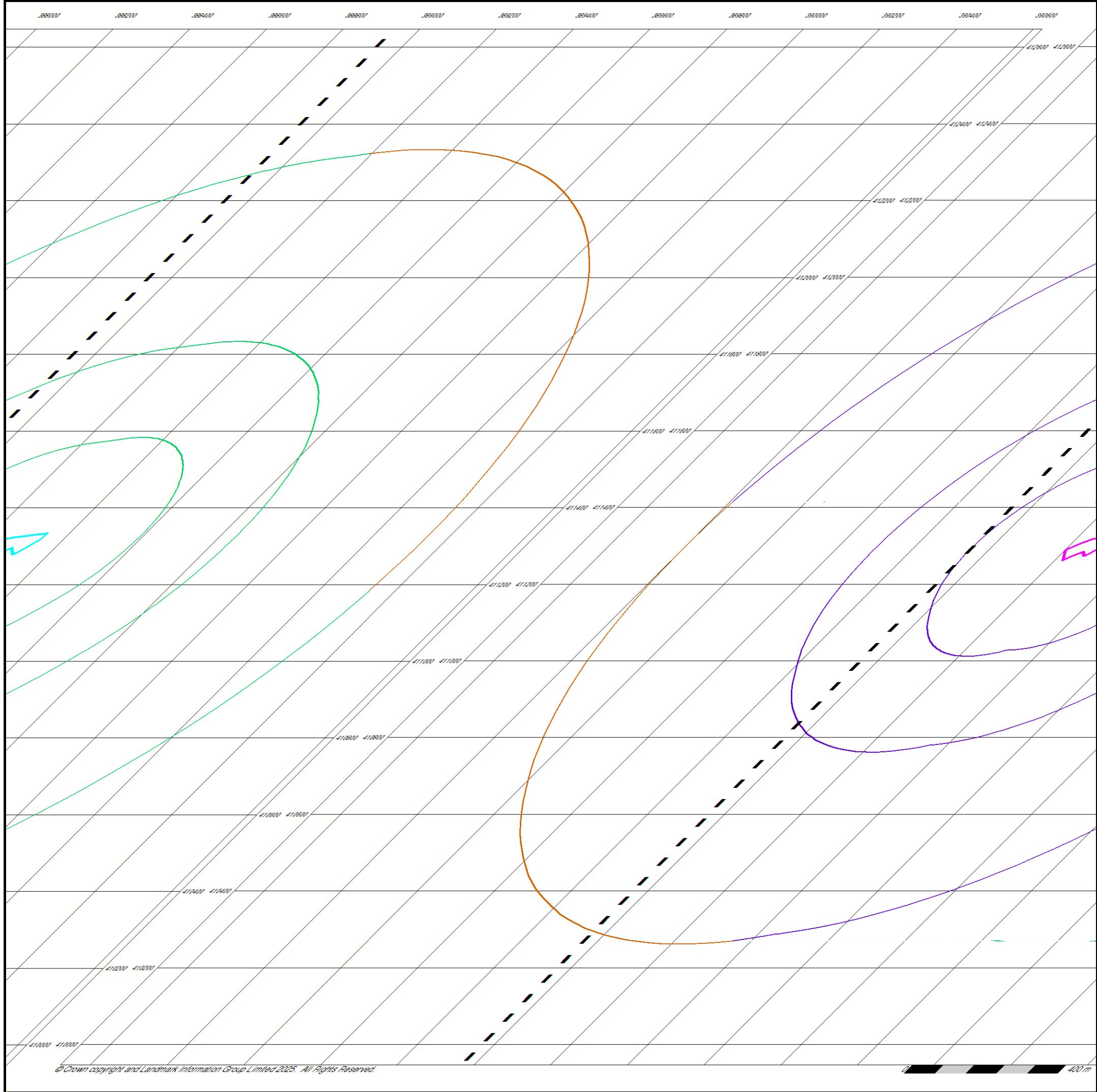
Order Number: 380671801_1_1
Customer Ref: 25-446
National Grid Reference: 389270, 411300
Slice: A
Site Area (Ha): 0.51
Search Buffer (m): 1000

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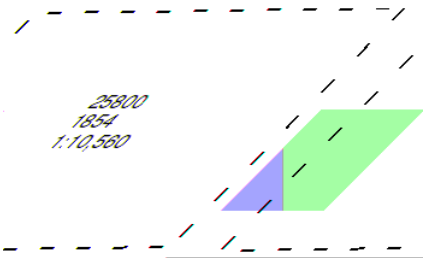
Yorkshire

Published 1854

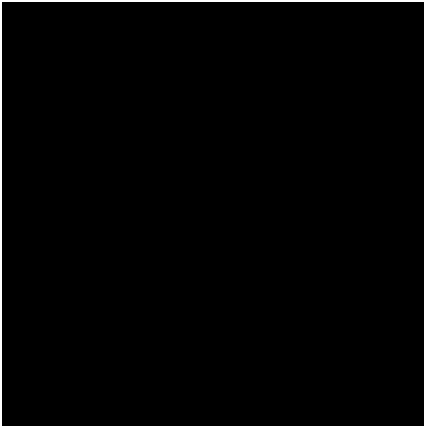
Source map scale - 1:10,560

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)



Historical Map - Slice A



Order Details

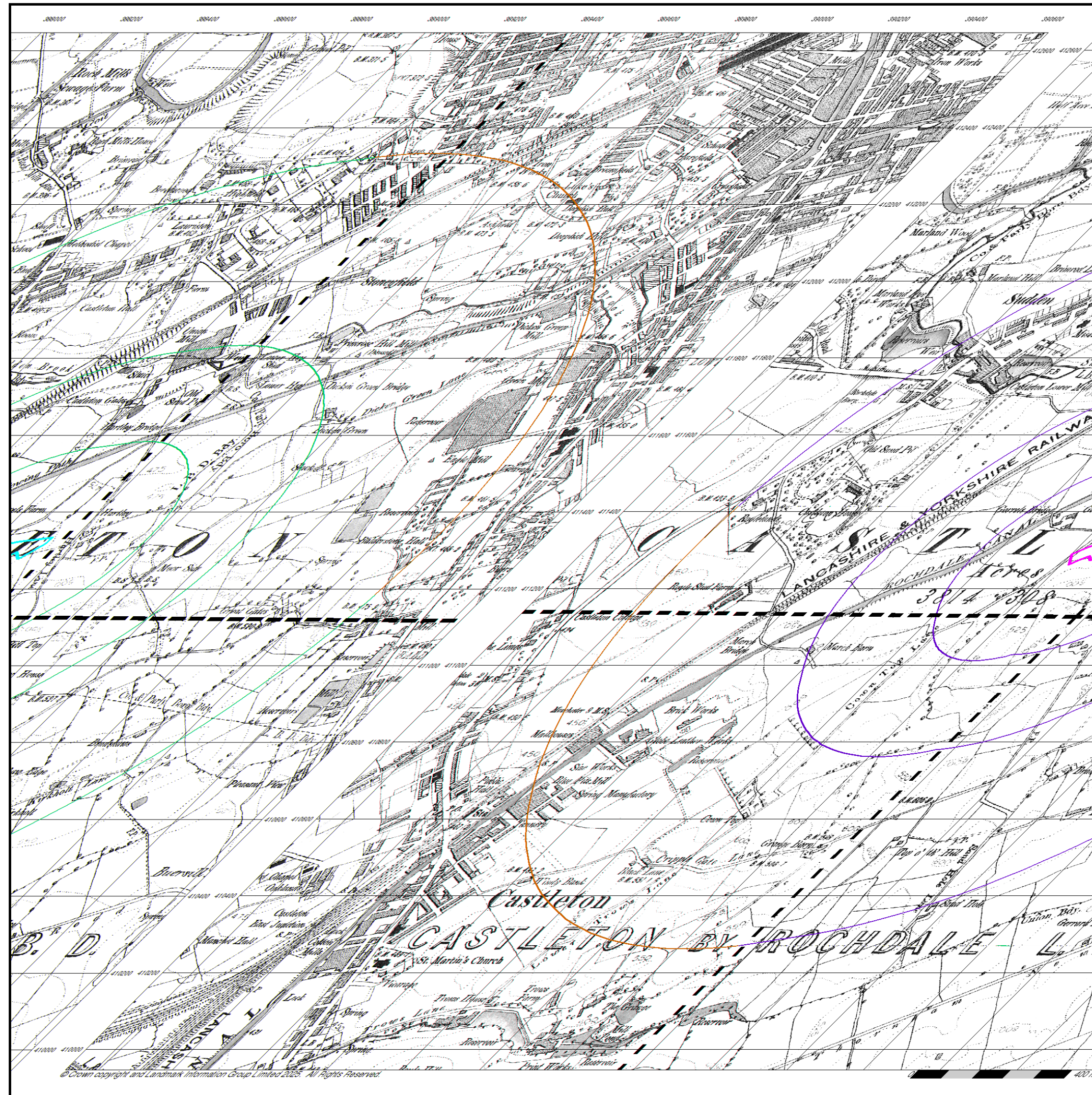
Order Number: 380671801_1_1
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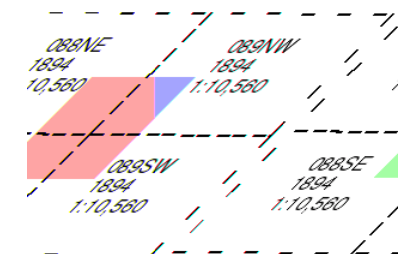
Lancashire And Furness

Published 1894

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)



Historical Map - Slice A



Order Details

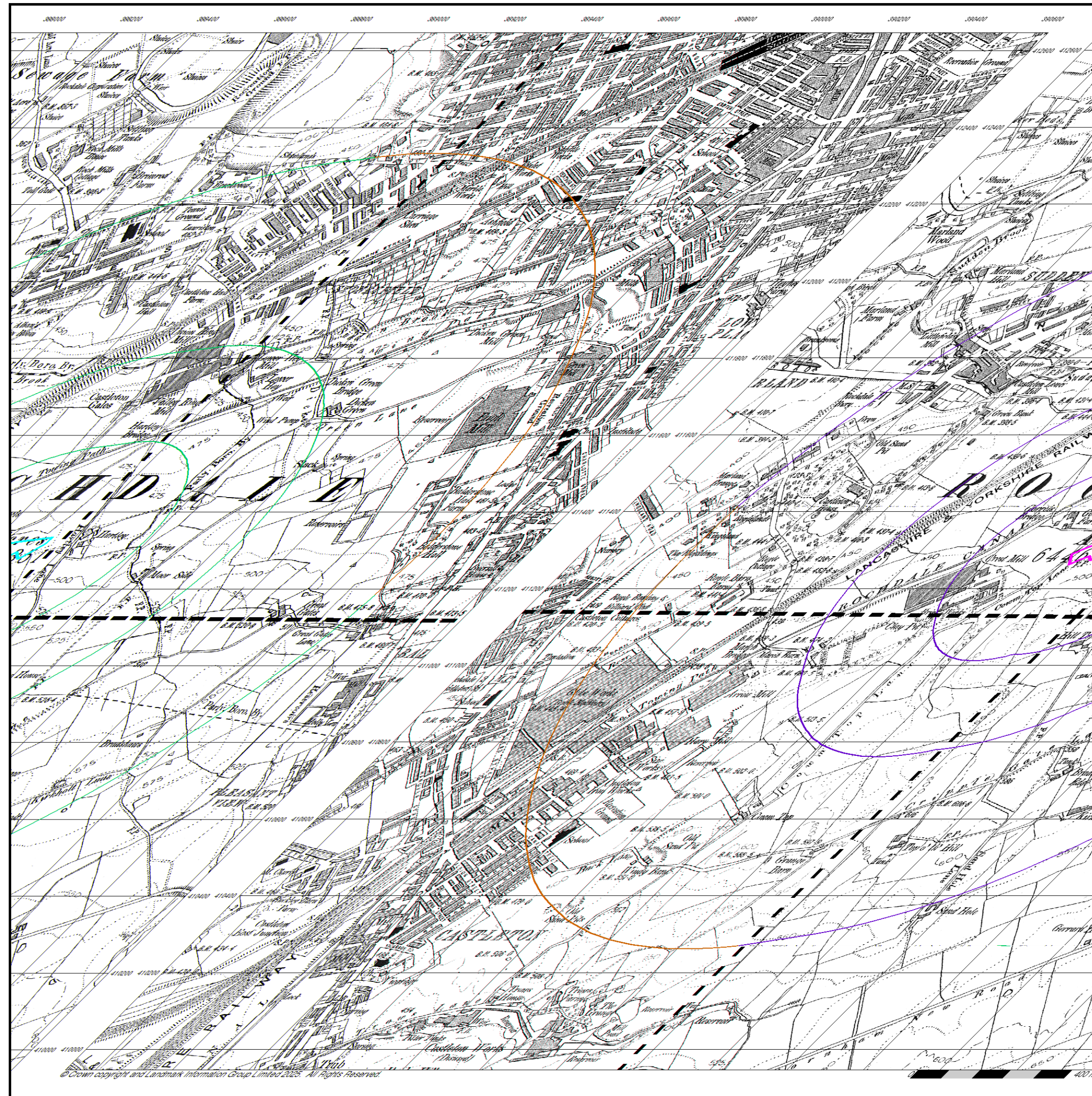
Order Number: 380671801_1_1
Customer Ref: 25-446
National Grid Reference: 389270, 411300
Slice: A
Site Area (Ha): 0.51
Search Buffer (m): 1000

Site Details

17, Queens Drive, ROCHDALE, OL11 2NP

Landmark
INFORMATION GROUP

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



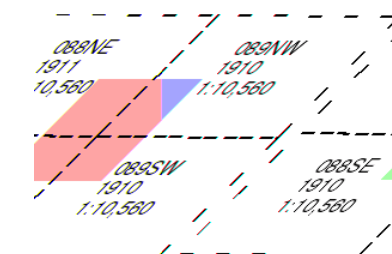
Lancashire And Furness

Published 1910 - 1911

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)



Historical Map - Slice A



Order Details

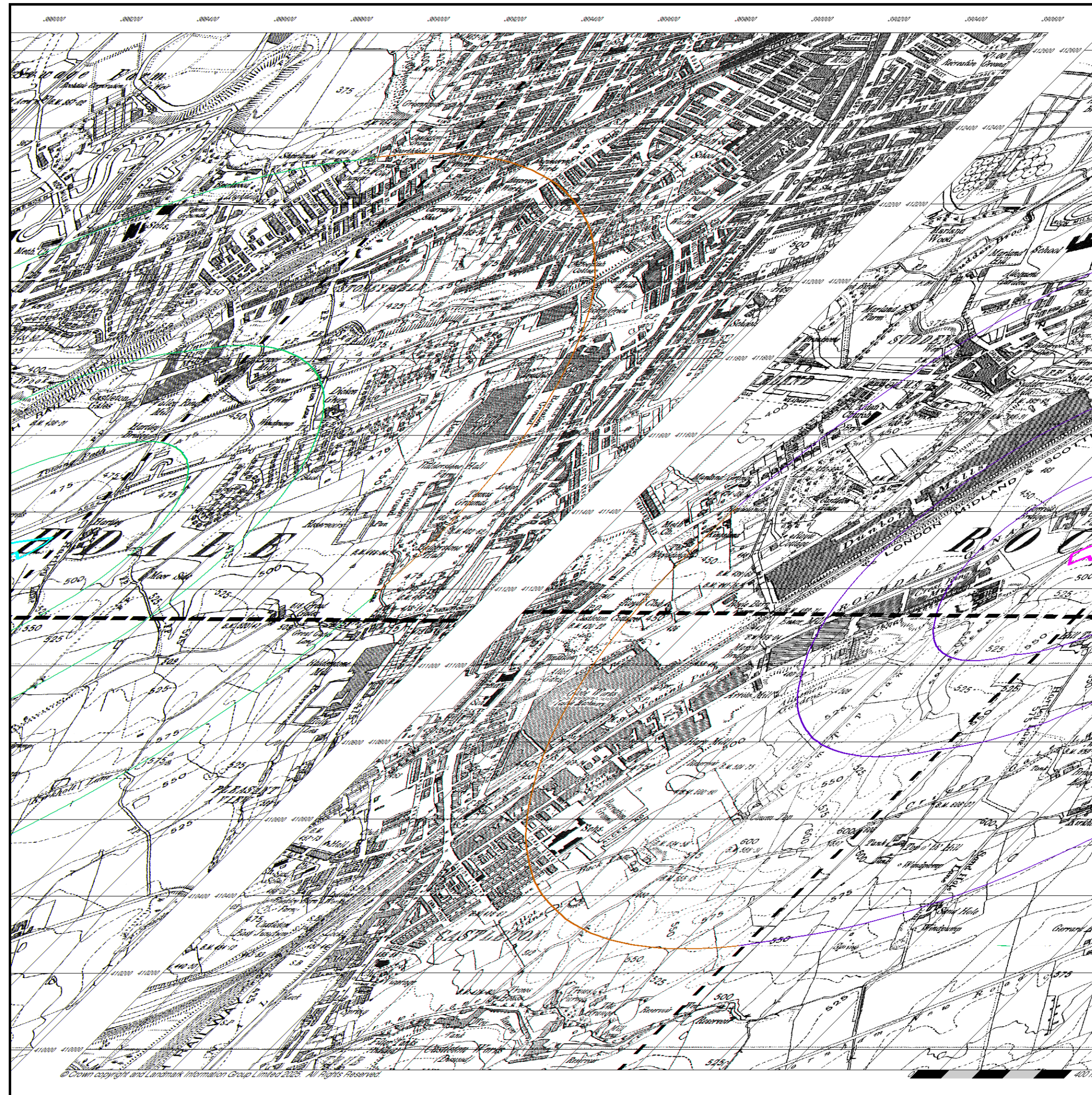
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Customer Ref: 25-446
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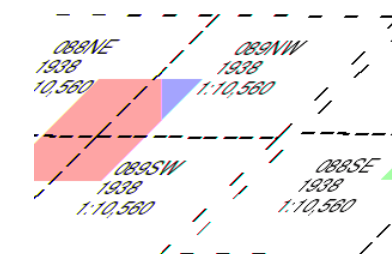
Lancashire And Furness

Published 1938

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)



Historical Map - Slice A



Order Details

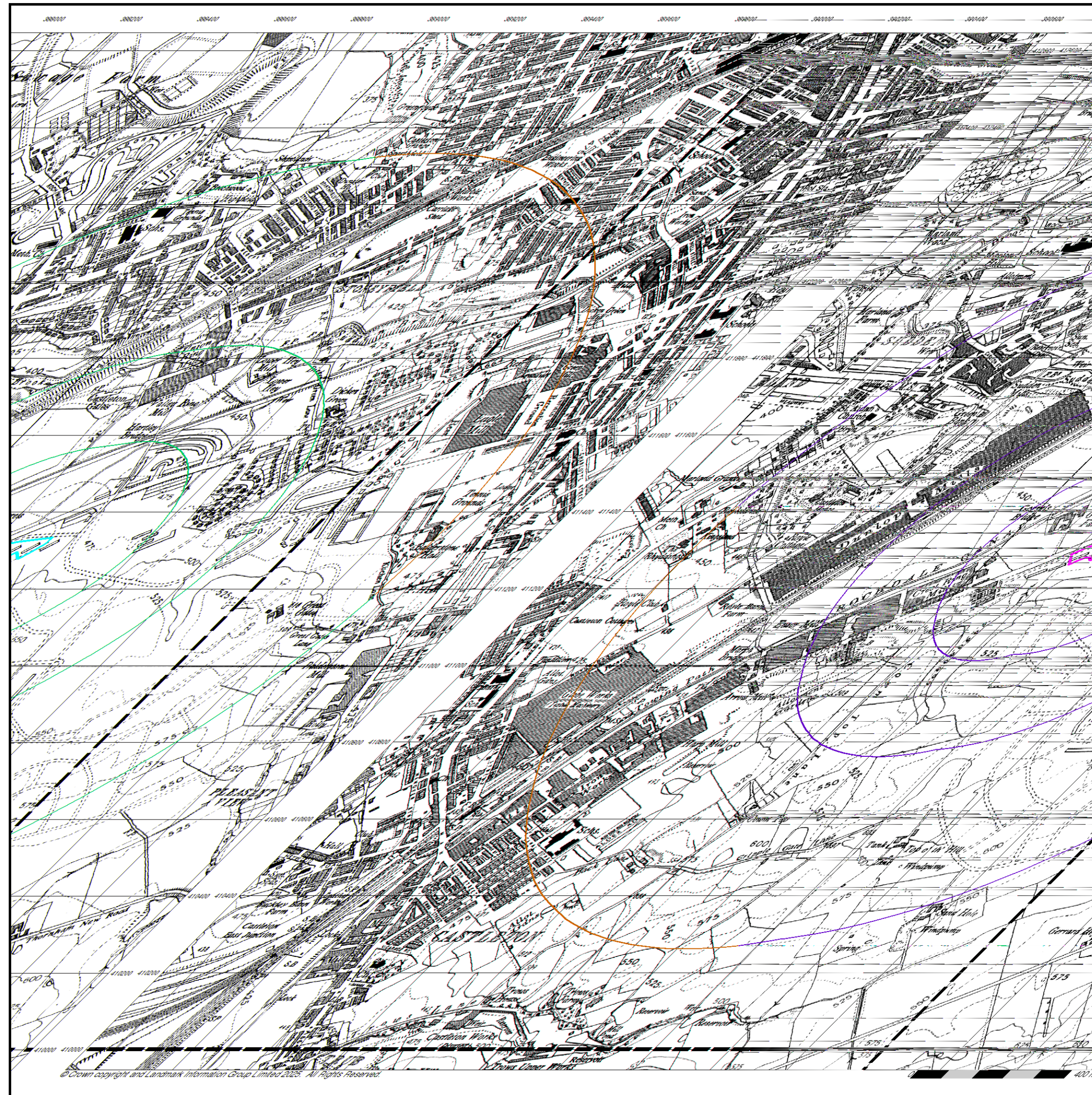
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Customer Ref: 25-446
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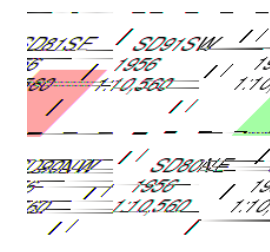
Ordnance Survey Plan

Published 1956

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

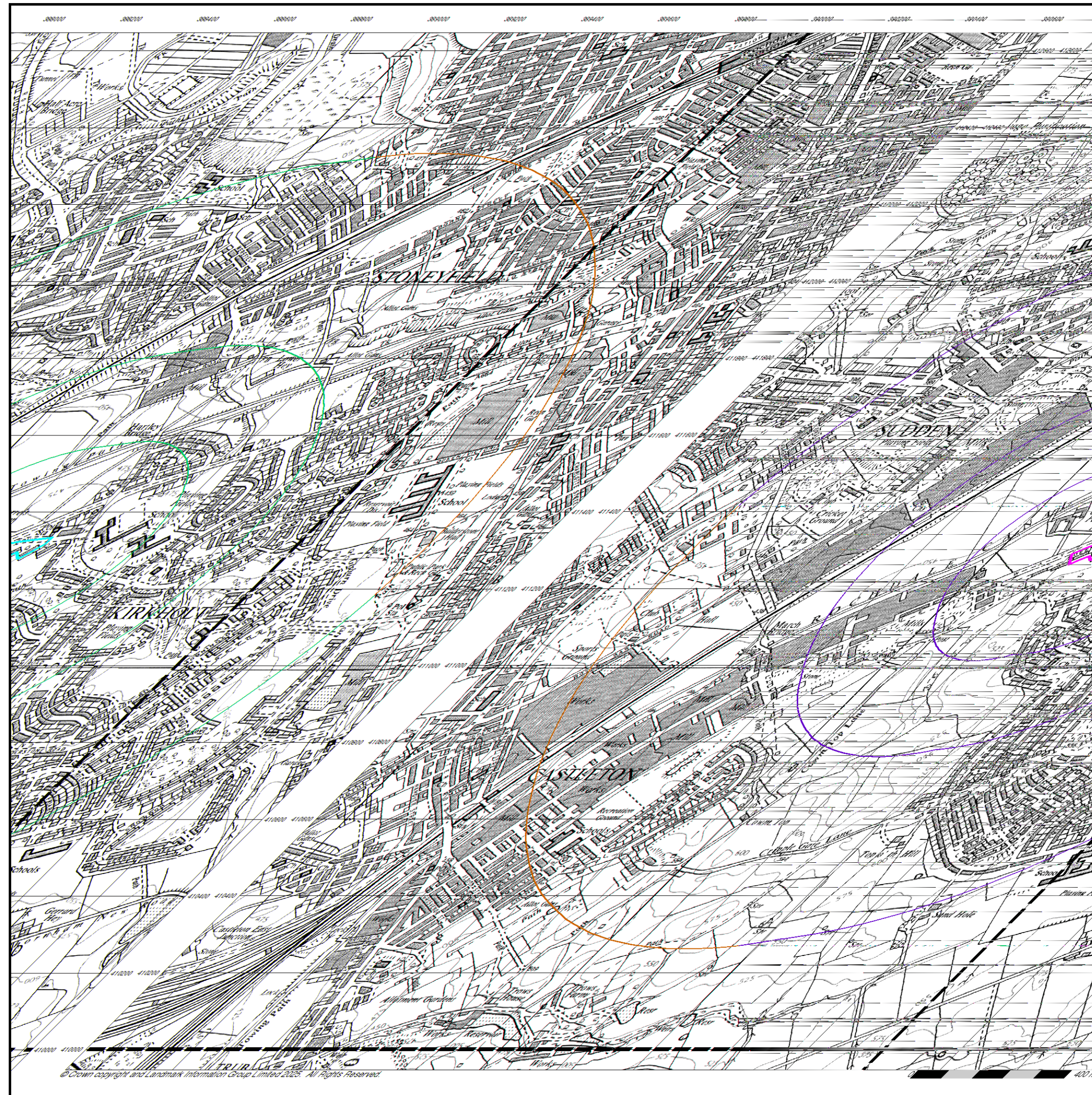
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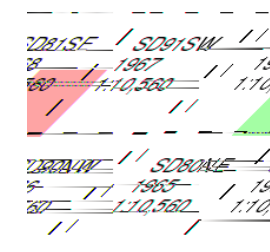
Ordnance Survey Plan

Published 1965 - 1968

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

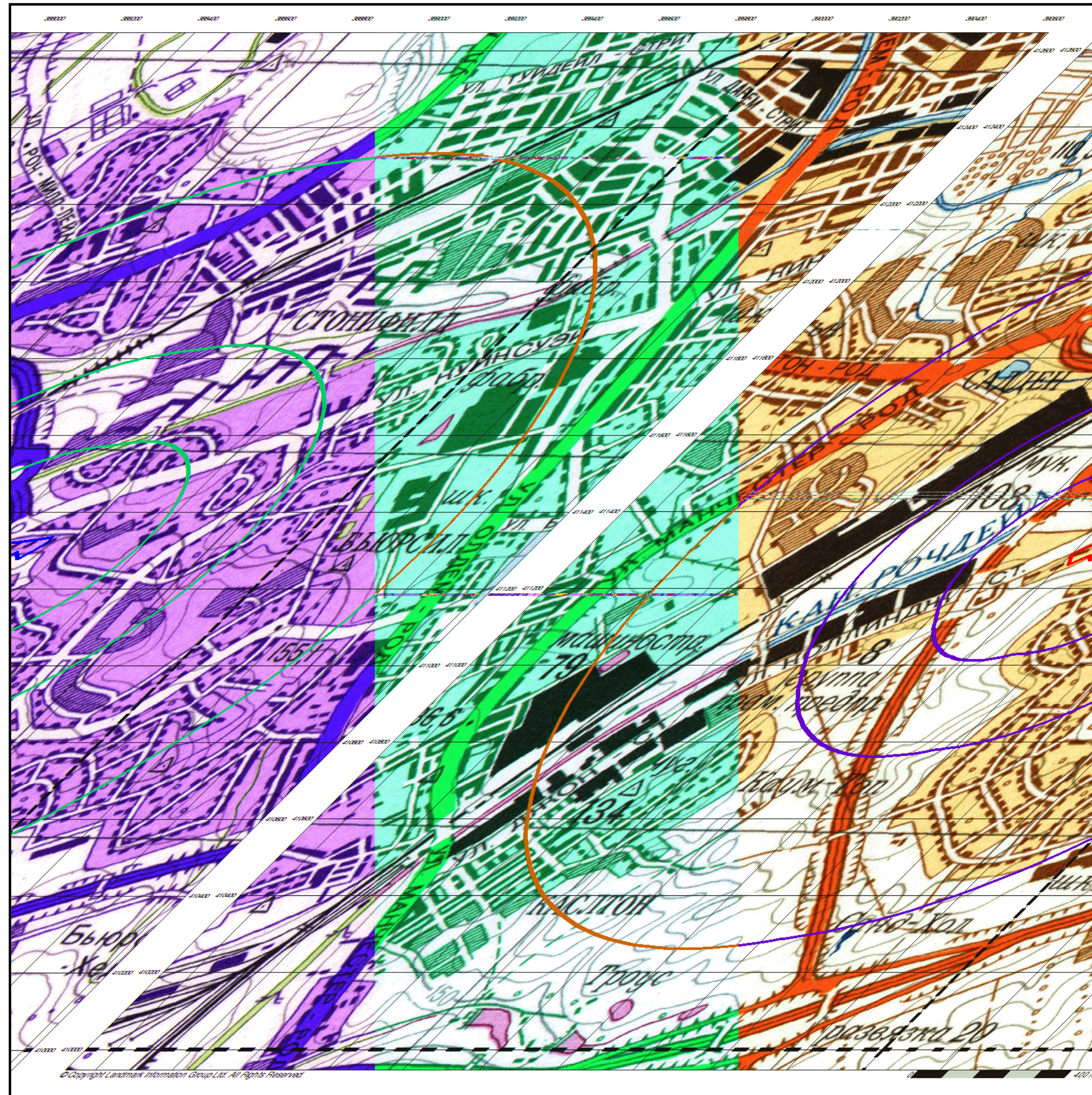
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Manchester

Published 1975

Source map scale - 1:25,000

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)

5281	1975	1:25,000	5291	1975	1:25,000
5290	1975	1:25,000	5280	1975	1:25,000

Russian Map - Slice A



Order Details

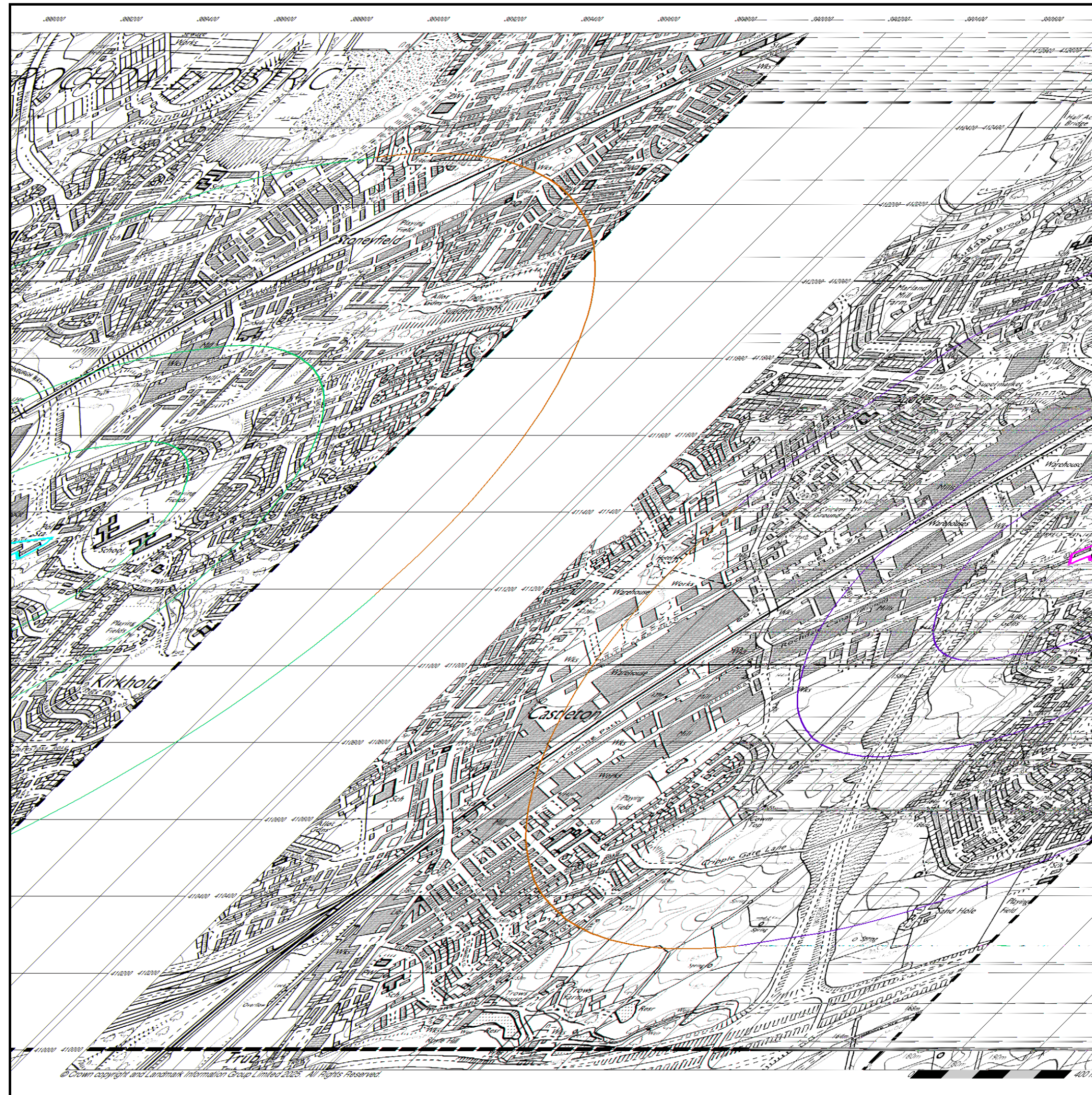
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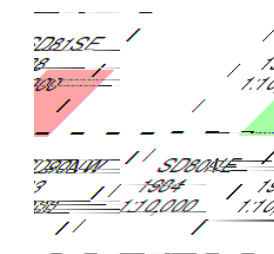
Ordnance Survey Plan

Published 1983 - 1988

Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

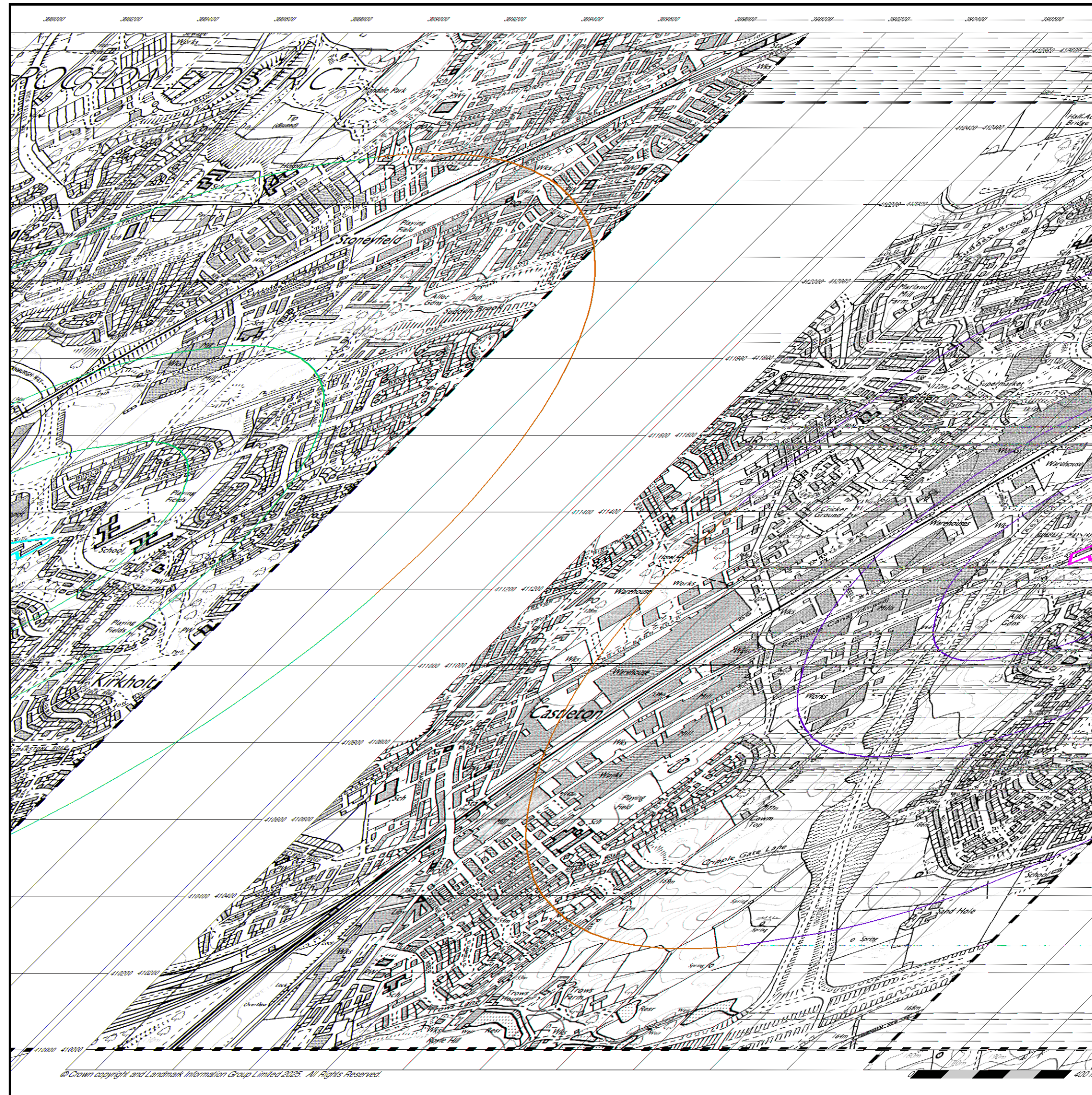
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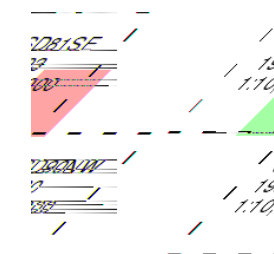
Ordnance Survey Plan

Published 1990 - 1993

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

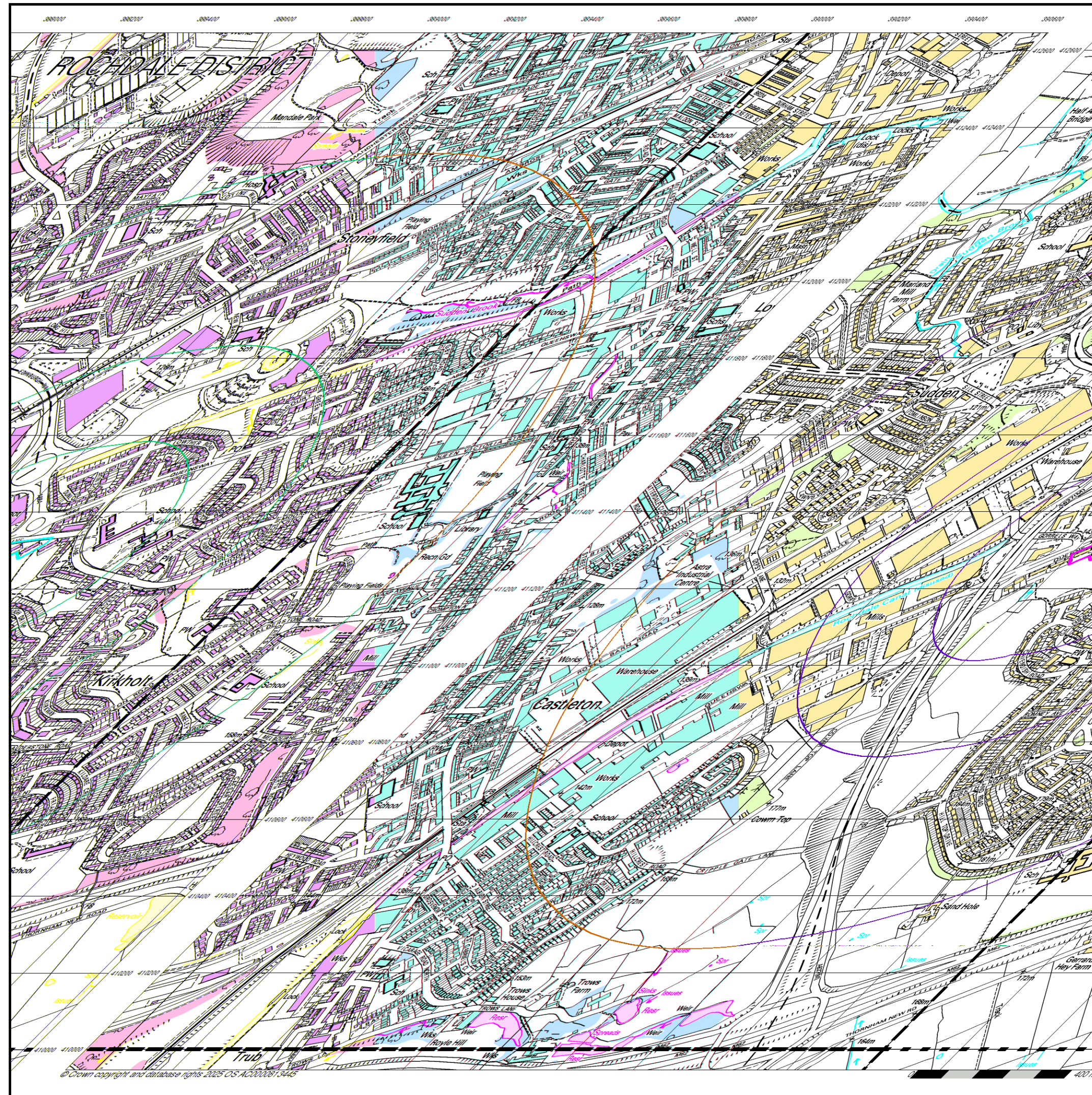
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10k Raster Mapping

Published 1999

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)

SDR1SE	SDR1SW	1999	1999
1:10,000	1:10,000	1:10,000	1:10,000
SDR1NE	SDR1NW	1999	1999
1:10,000	1:10,000	1:10,000	1:10,000

Historical Map - Slice A



Order Details

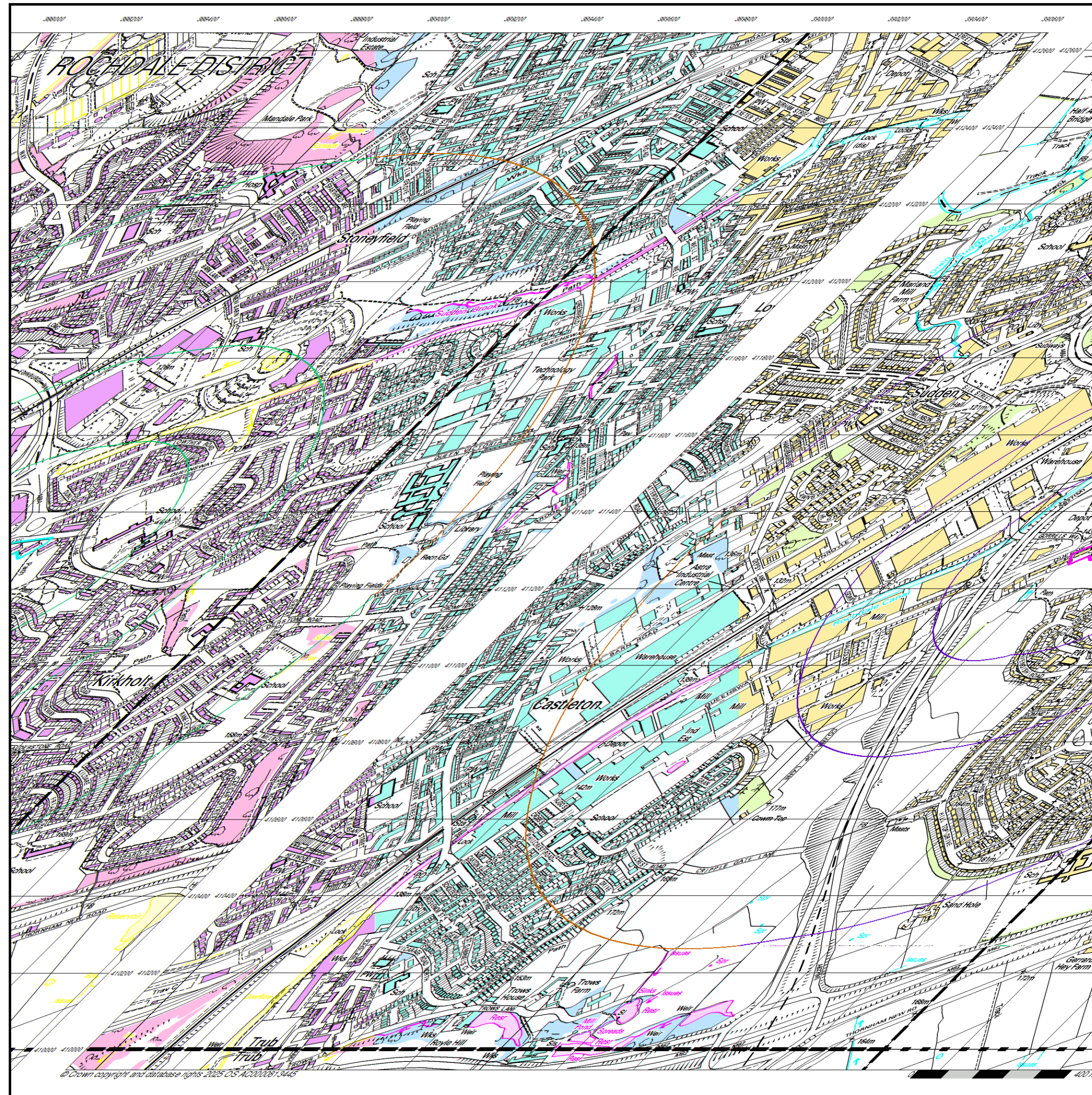
Order Number: 380671801_1_1
Customer Ref: 25-446
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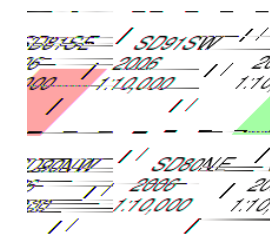
10k Raster Mapping

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)



Historical Map - Slice A



Order Details

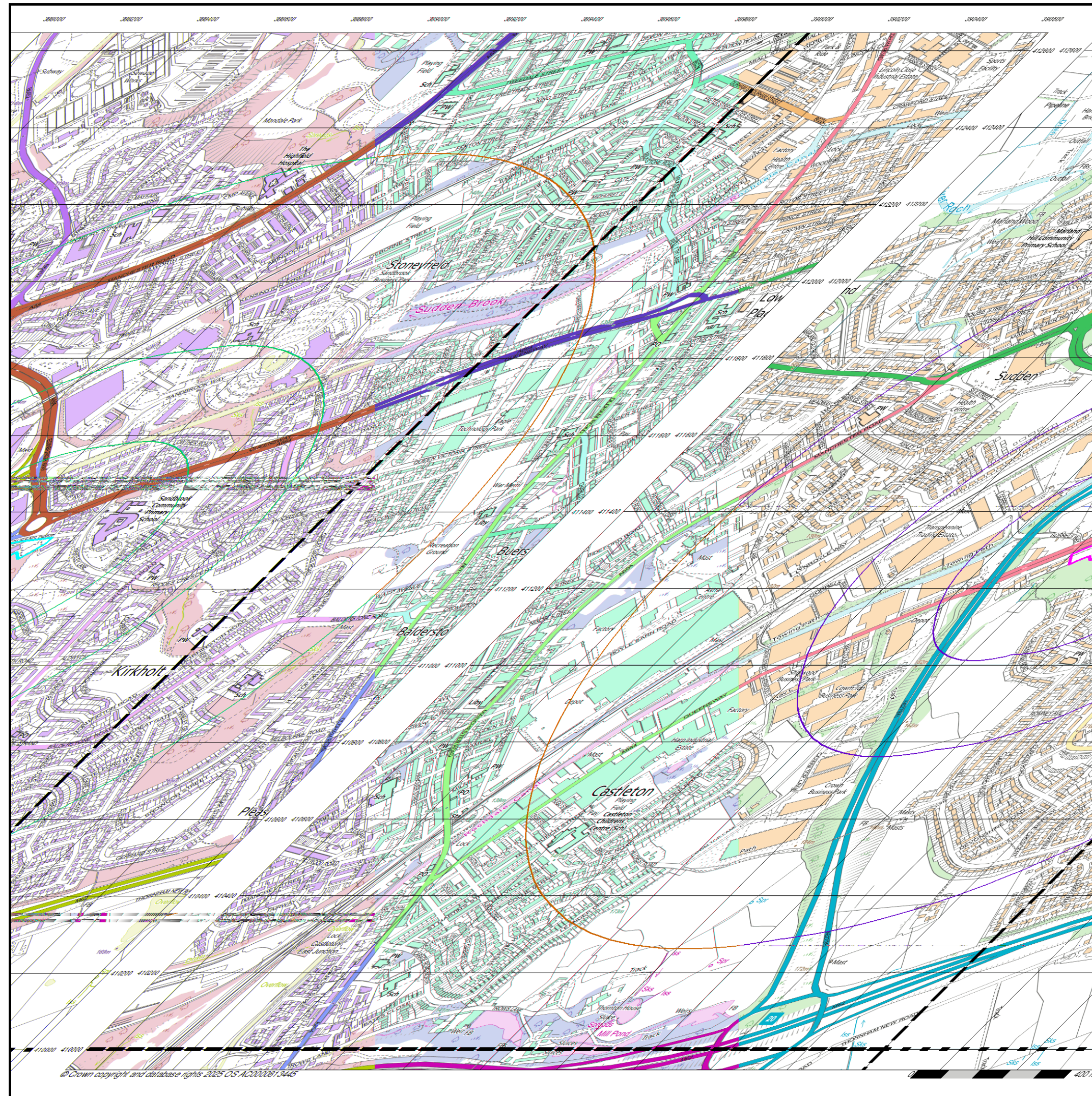
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Slice: A
Site Area (Ha): 0.51
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VectorMap Local

Published 2024

Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities), 1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

Map Name(s) and Date(s)

SD81SE	SD81SW	SD81SE
2024	2024	2024
Variable	Variable	Variable

Historical Map - Slice A



Order Details

Order Number: 380671801_1_1
Customer Ref: 25-446
National Grid Reference: 389270, 411300
Slice: A
Site Area (Ha): 0.51
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Site Details

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APPENDIX IV

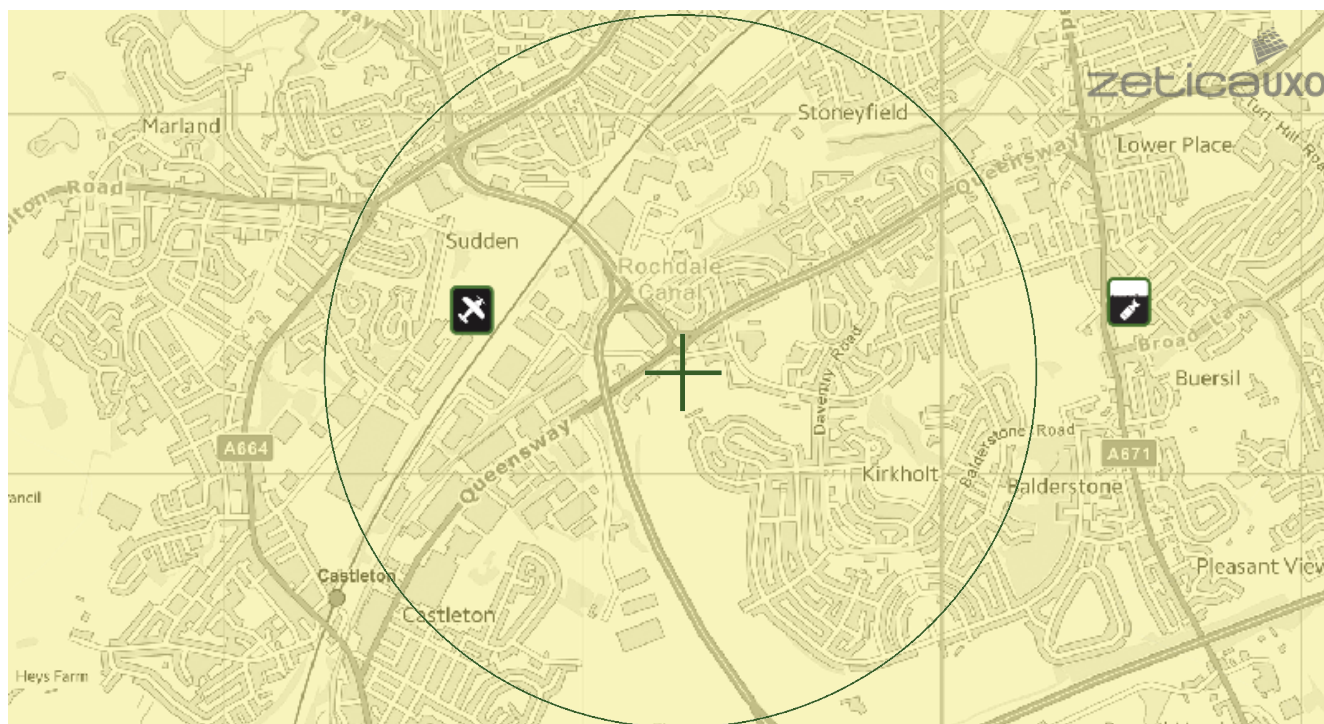
Zetica UXO Risk Report

UNEXPLODED BOMB RISK MAP



SITE LOCATION

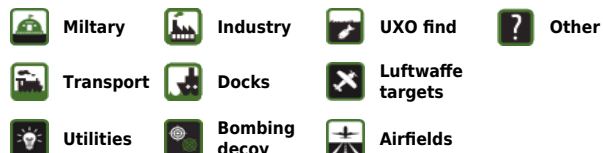
Map Centre: 389242,411290



This map principally indicates a hazard from Unexploded Bombs (UXB) due to WWII bombardment. Other sources of Unexploded Ordnance (UXO) may be present. It should be noted that this map does not represent UXO risk and should not be reported as such when reproduced.

LEGEND

- High:** Areas indicated as having a bombing density of 50 bombs per 1000acre or higher.
- Moderate:** Areas indicated as having a bombing density of 15 to 49 bombs per 1000acre.
- Low:** Areas indicated as having 15 bombs per 1000acre or less.



How to use your Unexploded Bomb (UXB) risk map?

This map indicates the potential for UXBs to be present because of World War Two (WWII) bombing. It can be incorporated into a technical report, such as a Phase 1 Desk Study, or similar document as an indication of the potential for UXO encounter on a Site. Other sources of UXO may also be indicated, although note that these are not comprehensive and more detailed research is required to confirm their presence.

What if my Site is in a moderate or high density area?

We typically recommend that a detailed UXO desk study and risk assessment is undertaken for sites in an area with a moderate or high bombing density. Additionally, if your site is in close proximity to a strategic target, military establishment, airfield or bombing decoy, then [additional detailed research](#) is recommended.

If my site is in a low risk area, do I need to do anything?

If both the map and other research confirm that there is a low potential for UXO to be present on your site, then, subject to your own comfort and risk tolerance, works can proceed with no special precautions.

If you are unsure whether other sources of UXO may be present, you can request one of our [pre-desk study assessments \(PDSA\)](#) by emailing a site boundary and location to pdsa@zetica.com.

You should never plan site work or undertake a risk assessment using these maps alone. More detail is required, to include an assessment of the likelihood of a source of UXO hazard from other military activity not reflected on these maps.

If I have any questions, who do I contact?

tel: +44 (0) 1993 886682 email: uxo@zetica.com web: www.zeticauxo.com

The information in this UXB risk map is derived from a range of sources and should be used with the [accompanying notes on our website](#).

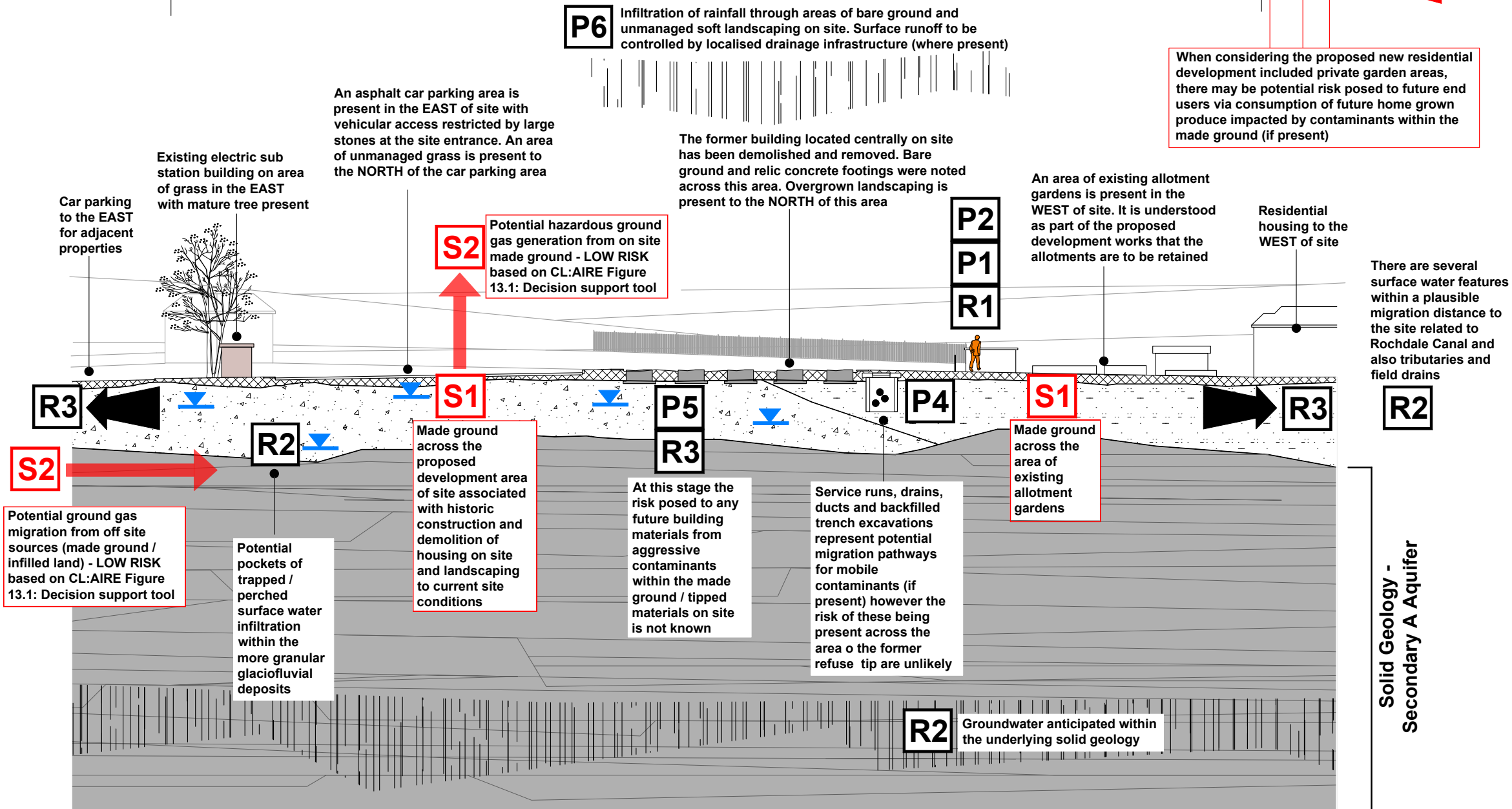
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APPENDIX V

Conceptual Site Model (CSM)

CRITICAL POLLUTANT LINKAGES					
SOURCE	1. Made ground associated historical use including any construction / demolition debris (from historical buildings on site) and fly tipping and 'ashy' allotment waste 2. Potential hazardous ground gas associated with off site sources (i.e. infilled land)	PATHWAY	1. Ingestion & Dermal Contact 2. Air – Inhalation of vapours (indoor & outdoors) and contact with dust generated through the construction works 3. Plant Uptake and attached soil 4. Migration through existing service corridors 5. Direct contact with building materials 6. Surface runoff & Infiltration	RECEPTOR	1. Human Health - End users – residential (and construction workforce) 2. Controlled Waters: Groundwater – anticipated within the underlying bedrock (PLCM) and Glaciofluvial deposits (Secondary Aquifer - A) and superficial strata (Glacial Till) (Secondary Aquifer – undifferentiated). There are several surface water features within a plausible migration distance to the site related to Rochdale Canal and also tributaries and field drains 3. Adjacent sites 4. Building materials & protection of water supply pipes 5. Flora and fauna

Indicative section through site using a NORTH to SOUTH orientation



STRATA DETAILS



MADE GROUND:

In accordance with the published BGS maps, significant thicknesses of made ground are not shown to directly encroach the site. However made ground deposits are expected to be present beneath the site, from the construction and demolition of the former buildings that occupied the site, comprising a mixture of disturbed natural strata (clays etc.) and anthropogenic debris (brick etc.). In addition there may be associated relic foundations and also an area of disturbed ground from the construction of the recent electrical substation. The western portion of the site is comprised by allotment gardens likely to contain 'ashy' waste

TILL



Glaciofluvial Deposits

DRIFT DEPOSITS:

The published BGS plans and data indicate the western portion of the site is underlain by Glacial Till (undifferentiated) deposited during the Pleistocene Epoch (Devensian). The Glacial Till is anticipated to comprise firm to stiff slightly sandy slightly gravelly clay, with cobbles and sand lenses. The eastern portion of the site is comprised of Glaciofluvial Deposits of sands and gravel with silt and clay lenses and occasional boulders

SOLID GEOLOGY:

According to published BGS data, the site is underlain by the Pennine Lower Coal Measures Formation (PLCM) of Carboniferous Period. These undifferentiated deposits typically comprise interbedded cyclical alternations of mudstone, siltstone, sandstones and coal seams with seatearths and ironstone bands.

The published geological information indicates there is no faulting within the site boundary



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e-mail: admin@arc-environmental.com
web: www.arc-environmental.com

The contractor shall check all dimensions on site before commencement of any works. No dimensions to be scaled off this drawing.
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rev. date amendments drawn chkd

Client:
ADEPT CONSULTING ENGINEERS

Project Title:
Proposed Residential Development
Queens Drive
Kirkhale, Rochdale, OL11 2NP

Drawing Title:
Conceptual Site Model

Scale at A3: NTS @ A3 Date: 28.07.25 Drawn by: P.D Approved by: G.W

Job Ref: 25-446 Drg no: - Rev: -