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**Phase 1 Investigation
For A Proposed Development
On Land Adjacent To
9 Taylors Lane,
Bolton
BL2 6QS**

On Behalf of Ms Haslam

Jo Matthew BSc (Hons) MSc

Date: February 2013

Report QA No. 13016

QA Auditor: Paul Palgrave Bsc (Hons) ARSM MSc C. Geol FGS

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1.0 INTRODUCTION

This report describes a Phase 1 Investigation undertaken on behalf of Ms Elizabeth Haslam (The 'Client') on a site located at 9 Taylors Lane, Bolton, BL2 6QS.

It is understood that the Client intends to redevelop the site with a residential dwelling, stables and associated facilities and the formation of a manege. This report is intended to support the planning application for the new development.

The key objectives of this desk study are to identify any potentially significant constraints to redevelopment of the site due to the environmental setting and condition of the site and the surrounding area.

This report is based upon observations made on site during a walkover undertaken on 20 February 2013 and upon archival research including the analysis of historical maps, geological and hydrological data and other relevant Third Party environmental information that Peak Associates have taken to be correct, and no liability can be accepted for any inaccuracies contained within the Third Party information referenced.

This report has been produced on behalf of the Client, and no responsibility is accepted to any Third Party for all or any part. This report should not be relied upon or transferred to any other parties without the express written authorisation of Peak Associates. If any unauthorised Third Party comes into possession of this report, they rely on it at their own risk and the authors owe them no duty of care or skill.

3.0 SITE DESCRIPTION

The site comprises an irregular shaped plot of land of 0.37 hectares, located in Taylors Lane, Bolton. (BL2 6QS, NGR 375770 409290), as shown on Plan 1 (Appendix 1). Plan 2 (Appendix 2) shows the locations of key features observed on site. A selection of photographs of key features observed on site is presented in Appendix 3.

The site comprises a large single storey building (22m x 5m, photo 1) adjacent to the western site boundary and four paddocks used for keeping horses. The building is used for stabling horses (southern half) and restoring old cars (northern half) and has reportedly been used in the past to keep poultry. The building is constructed from breeze blocks with bricks cladding the exterior to half height (approximately 1m) and wooden cladding above. The roof is constructed from corrugated asbestos cement sheets, cracked and patched in places. The floor comprises a concrete slab, which appeared to be in reasonable condition. No staining was observed associated with the storage of cars. Access to the building is via a rolling aluminium door.

With the exception of the building, the site is surfaced with soft ground. The ground was observed to be wet and very muddy, where horses have torn it up (photo 2). The ground immediately adjacent to the building has been lowered by approximately 1m to prevent surface water from running into the building (photo 3), and the removed soil is stockpiled in long mounds in the paddocks adjacent to the building. The mounded soil appeared clean and clay-rich (photo 4).

A horse box is parked on site, near the site entrance (photo 5). No oil staining was observed associated with it. Various piles of debris were observed during the walkover, which will require removal prior to development works in accordance with the waste regulations.

The site is bounded to the east and west by residential properties (photo 6) and to the north and south by grassy pasture.

The site boundaries comprise post and rail or stock-proof fencing to the north, east and south, and to the west by a Leylandii hedge.

The site is located near the crest of a hill and the surrounding land slopes down to the west and south.

4.0 SITE HISTORY

A review of the site history has been undertaken in order to identify any previous potentially significantly contaminative uses, located either on-site, or in the surrounding area.

Potential on-site contamination sources may present a risk to future users of the site, and also off-site receptors, potentially including controlled waters.

Neighbouring potentially contaminative activities may present a risk to the site through on site migration of contamination, or through the deposition of waste materials on the site.

The history of the site is recorded over selected periods by inspected maps, copies of which are presented in Appendix 4. The account presented below in Table 4.1 is restricted by specific time periods represented by these maps only.

Table 4.1 Summary of historical mapping.

Dates	On Site Use	Off-Site Uses	Potential For Contamination To Affect The Site
1850	The site is not yet occupied.	The site located in a rural setting, bounded by Taylors Lane to the north. There is a row of small residential properties 15m to the west. A pond is located 15m to the east. A spring is located 90m west of the site, from which the stream flows to the west. Ainsworth Bleach Mill is located 195m south west and a smithy is located 370m south west. A small sandstone quarry is located 195m north west. A railway line runs from west to east 850m south of the site.	None anticipated.
1893-95	As above	A (water) pump is located 70m west of the site. There is a reservoir 200m north west, with a sluice at the western end. Ainsworth Bleach Mill is located 150m south west, with a reservoir 220m south west. An 'old shaft' is located 200m south east.	None additional anticipated.
1910-11	As above	There have been industrial developments along Mill Race, which flows from north to south 400m west of the site. Urban expansion has occurred in Ainsworth village, 750m to the north east. The 'old shaft' has the additional annotation 'coal'.	None additional anticipated
1930-31	The site is included in a series of allotments occupying the surrounding land. A small structure is present in the southern part of the site.	The pond is no longer shown. The site and surrounding land appears to be allotments, separated by fences, with small structures on each one. The 'old shaft' is not labelled, but there is still a feature on the map at this location. There has been some light urban development along Bury New Road, 200m to the south. Red House Pumping Station, settling beds and filter tank are located 150m south east.	Potential for localised soil contamination associated with the use of the site as allotments. Potential for landfill gas contamination from unknown materials used to infill the pond.
1937-38	No significant changes	As above.	None additional anticipated
1955-56	As above	There are four detached residences adjacent to the east, and the residences to the west appear in their present layout. The urban expansion of Bolton has reached to within 1km of the site to the west. There is no evidence of the 'old shaft'.	As above
1965-69	As above	As above	As above
1969-70	The on-site structure is no longer shown.	No significant changes noted. The allotments are no longer shown.	As above
1975	As above	The Russian military map shows no features of interest on or in the vicinity of the site.	As above
1980-87	As above	Allotments are shown 150m to the west. There is further urban expansion of Bolton to the west and Ainsworth to the east.	As above
1989	A building is shown, which matches the size and layout of the building currently present on site. A small, square structure is shown at the northern site boundary.	As above	As above

Dates	On Site Use	Off-Site Uses	Potential For Contamination To Affect The Site
1991-92	No significant changes	No significant changes	As above

In summary, the Ordnance Survey historical mapping reveals that the site is located in a rural setting at the edge of Bolton. While there are several industrial sites in the vicinity of the site, it is not anticipated that they will have adversely impacted the soil and groundwater beneath the site.

There is the potential for localised contamination from the use of the site as allotments. Heavy metals, including lead, and polycyclic aromatic hydrocarbons (PAH) are common contaminants associated with allotments.

Landfill gases are commonly associated with infilled ponds. However, as the pond was relatively small, and was dry or had been infilled by 1930, it is unlikely that this would impact the site.

5.0 GEOLOGY, HYDROGEOLOGY AND HYDROLOGY

An EnviroCheck report has been obtained for the site, a copy of which is presented in Appendix 5.

There is no made ground recorded beneath the site. The superficial deposits beneath the site are shown to comprise Devensian till of very low permeability.

The bedrock is shown to comprise the Pennine Lower Coal Measures Formation (mudstone, siltstone and sandstone) of Carboniferous age and of moderate to high permeability. A north west to south east trending fault is recorded close to the south boundary of the site.

The British Geological Survey (BGS) estimated background soil chemistry for the site, based on recorded background data. The estimated soil chemistry is presented in Table 5.0 below.

Table 5.0 BGS estimated background on site soil chemistry

Determinand	Estimated concentration (mg/kg)
Arsenic	15-25
Cadmium	<1.8
Chromium	60-90
Nickel	15-30
Lead	<150

The site is not within a Radon Affected Area, with less than 1% of properties above the action level. No Radon protection measures are reported as necessary for new properties.

The EnviroCheck mapping database shows no historic surface workings recorded within 500m of the study site.

No historical underground workings are recorded within 1000m of the study site.

The site is located in an area that may be affected by coal mining activity as defined by the Coal Authority.

The site is not shown to lie within a known non-coal historic mining area.

In relation to natural subsidence on site there is reportedly no hazard, very low or low risk of subsidence associated with shrink-swell of clays, collapsible deposits, compressible deposits, landslides, running sands or of ground dissolution of soluble rocks.

The bedrock deposits beneath the site are classified as a Secondary A aquifer, comprising predominantly permeable layers capable of supporting water supplies at a local scale, and in some cases forming an important source of base flow to rivers.

The superficial deposits on the site are classified as unproductive strata. These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow.

There are three groundwater abstraction licences within 1000m of the site. C.V. Home Furnishings Ltd is licensed to abstract groundwater for Textiles and Leather: Process Water from a borehole located 243m south west of the site. PCN Properties LLP is licensed to abstract groundwater for Textiles and Leather: Process Water from a borehole located 290m north west of the site. Ainsworth Finishing Company Ltd is licensed to abstract groundwater for Textiles and Leather: Process Water from a borehole located 367m north west of the site. There are a further two groundwater abstraction licences within 2000m of the site.

The site is not located within a Source Protection Zone (SPZ) for a public water supply.

There are two surface water abstraction licences within 1000m of the site. Ainsworth Finishing Company Ltd is licensed to abstract surface water for Textiles and Leather: Process Water from a reservoir fed by surface drainage at Ainsworth Mill, at two locations 248m and 300m north west of the site. There are a further five surface water abstraction licences within 2000m of the site.

The nearest surface water body, an unnamed stream, is located 94m north west of the site.

The nearest surface water quality measurement is recorded as Grade B (fair). This is for a reach of Blackshaw Brook located approximately 440m west of the site.

6.0 KEY ENVIRONMENTAL CONSIDERATIONS

The EnviroCheck report obtained for the site contains a summary of statutory data held in public registers, identifying potential sources of contamination surrounding the site, and also environmentally sensitive sites/receptors within the vicinity of the

site. A copy of the EnviroCheck report is presented in Appendix 5, and the salient information is summarised below.

Environmental Permits, Incidents and Registers

There are no IPC or IPPC authorisations within 500m of the site. There are two LAPPC authorisations for Ainsworth Finishing Co Ltd for the textile and fabric coating of finishing processes, located 219m south west of the site and for Tarmac Topmix for blending, packing, loading and use of bulk cement, located 388m west of the site.

There are no LAPPC Enforcement Notices within 1000m of the site.

There are no other environmental permits and/or authorisations within 500m of the site.

There are no COMAH or NIHHS sites within 1000m of the site, and no sites have been determined as contaminated land under the Part IIA EPA 1990 within this area.

Landfills and Other Waste Sites

There are no currently registered historical landfill sites or other waste sites within 500m of the site.

There are no Registered Waste Transfer sites within 500m of the site.

Pollution Incidents

There are two Environment Agency recorded pollution incidents to controlled waters within 500m of the site. These were minor incidents to Blackshaw Brook in 1997 (surcharged sewage) and 1993 (unknown pollutant).

Current Land Uses

There is one currently active potentially contaminative industrial site within 250 m of the site: First Choice Vehicles (used car dealer), located 246m south west of the site.

There are a further 10 currently active potentially contaminative industrial sites within 500m of the site.

There are no currently active petrol and fuel sites within 500 m of the site.

Flooding

The site is not located on an Environment Agency indicative floodplain. The site is not within 250m of any flood defences and is not an area used for flood storage.

Designated Environmentally Sensitive Sites

The site is located within an area of adopted green belt as designated by Bury Metropolitan Borough Council.

The site is not located near any other designated environmentally sensitive sites.

7.0 PRELIMINARY CONCEPTUAL SITE MODEL

7.1 Introduction

A **Site Conceptual Model** is a simplified representation of the ground conditions beneath the site that enables a quantitative risk assessment to be carried out. The Site Conceptual Model identifies the potential sources of contamination, the potential contaminant migration pathways and the potential receptors of contamination.

Sources of contamination include contaminating current or historical uses, activities, events or substances at the site or within the surrounding area that may impact on underlying soils or groundwater.

Contaminant Migration Pathways are the routes that contaminants follow from sources to receptors.

Receptors of contamination include human and non-human organisms, controlled waters (groundwater or surface water) and building materials (concrete or plastic) that experience adverse effects on exposure to contaminated materials.

A **Pollutant Linkage** occurs when a contaminant is able to travel from a source, via a pathway, to a receptor. Each element may exist in isolation and pose no environmental risk. It is only when all three elements are linked to each other that a pollutant linkage exists, and poses an environmental risk.

7.2 Potential Sources of Contamination

Potential on-site contamination sources may present risks to human health and/or controlled waters (groundwater and surface water) at the site and/or through cross boundary migration of contamination off the site.

Potential off-site contamination sources may present similar risks through cross boundary migration of contamination onto the site.

The following potentially significant sources of contamination have been identified on or in the vicinity of the site:

- Asbestos containing materials on the roof of the barn;
- Potential ground contamination from car restoration activities undertaken in the barn;
- Potential contamination by heavy metals and PAH's from the historic use of the site as allotments;
- Potential landfill gas from infilling of the former pond, located 15 m east of the site.

In addition, the sub-base beneath the building floor slab may be potentially unsuitable or undesirable for location at shallow depth beneath private garden areas, and consideration should be given to re-use as capping or sub-base beneath proposed paved areas depending on it meeting the required engineering specification.

7.3 Potential Contaminant Migration Pathways

Contaminants in the soil beneath the site caused by the former allotments or from the asbestos containing materials, or from leaks or spills associated with the activities in the garage may be contacted in future garden areas.

Such contaminated soil and associated dust may be ingested directly (accidentally or on purpose), or through soil attached to home grown vegetables. Impacted soil can also enter the body through direct skin contact. In addition, the consumption of home grown vegetables can lead to ingestion of contaminants taken up by the vegetables. Dust from contaminated soils can also be inhaled indoors and outdoors.

It is possible for contaminants to be leached from the soil and impact groundwater quality although this is considered very unlikely to present a risk to off-site receptors.

7.4 Potential Receptors of Contamination

The following potential human health and environmental receptors have been identified as:

- future site users (residents); and
- construction workers.

8.0 DISCUSSION

8.1 Potential Geotechnical Issues

The site is in an area for which a Coal Authority Mining Report is recommended. This is discussed in further detail in Section 9.

8.2 Contamination Issues

The roof of the building is very likely to be constructed from corrugated asbestos cement sheets. Prior to demolition, an asbestos survey should be undertaken by a qualified professional and any Asbestos Containing Materials (ACM) identified removed by a licensed contractor prior to demolition.

The use of the north of the building for car restoration is considered unlikely to have significantly impacted the underlying soils, as all work is undertaken on a concrete floor, and no visual indications of contamination were observed. It is understood that these activities are undertaken for personal use only and not as a commercial venture.

As the site has been historically occupied by allotment plots, it is recommended that, as a precaution, the soils beneath the proposed private gardens areas and any soft landscaped open spaces are sampled and tested to confirm suitability. This should be

extended to any topsoil and subsoils stripped from the site that are intended to be re-used within such areas.

Due to the size of the former pond, and the fact that it had dried or been infilled by 1930, it is considered very unlikely that it will have any adverse impact on the site.

The sub-base beneath existing floorslab requires inspection to assess its suitability for re-use on site.

9.0 RECOMMENDATIONS

A check on quality of topsoil and sub-soil intended for retention or re-use in proposed garden and other soft landscaped open spaces to confirm suitability.

Inspection of sub-base beneath existing floorslab for suitability for re-use beneath proposed pavement areas as capping or sub-base, subject to meeting the relevant engineering specification.

While not strictly an issue relating to potential contamination, it is advisable to obtain a Coal Authority report to confirm if there is any likely risk to the property from old mineshafts or potential shallow workings that may require consideration. The site is located in an area that could potentially be at risk, and subsidence can occur unexpectedly, particularly if there are changes to a site that may trigger collapse of meta-stable fill, e.g. vibration from building work, drainage into the ground from leaking pipes.

APPENDIX 1

Site Location Plan

10k Raster Mapping Published 2012

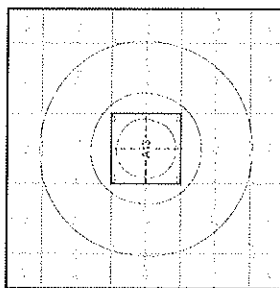
Source map scale - 1:10,000

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)

SD71SW	SD71SE
2012	2012
1:10,000	1:10,000
SD70NW	SD70NE
2012	2012
1:10,000	1:10,000

Historical Map - Slice A



Order Details

Order Number: 44259587_1.1
Customer Ref: 13659
National Grid Reference: 375770, 408290

Site: A

Site Area (Ha): 0.37

Search Buffer (m): 1000

Site Details

9 Taylors Lane, BOLTON, BL2 6DS

Landmark

Tel: 0844 844 8652
Fax: 0844 844 9957
Email: info@landmark.co.uk



APPENDIX 2

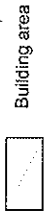
Key Site Features

NOTES

A3

- DO NOT SCALE
- This drawing is to be read in conjunction with all other relevant drawings
- All boundaries are approximate

KEY



Building area



Unsurfaced track

DESCRIPTION

DATE

TIME/DATE



PEAK ASSOCIATES
ENVIRONMENTAL
CONSULTANTS LTD

CLIENT

E. Haslam

PLAN NO

PLAN TITLE

Key Site Features

DRAWN MG PROJECT INSPECTOR JM

CHECKED JM APPROVED JM

DATE 18/02/2013 SCALE 1:300 @ A3

DRAWING NUMBER 549001 REVISION -



Grassy pasture

Horse Box parked here

Wooden fence

Post and rail fence

Soil and gravel heap

Silage bales

Soft ground

Wooden fence

Soil Heap

Trench

Post and stock-proof wire

paddock

Pallets

Surface water ponding

Rolling door

Leylandi hedge

6

Building notes:
Asbestos cement corrugated roof.

Brick walls to half height with wooden cladding above. Breeze blocks behind the bricks.

APPENDIX 3

Site Photographs



Photo 1: The Northern end of the barn, with the pallets and standing water in the foreground.



Photo 2: View from the southern boundary up towards the horse box.

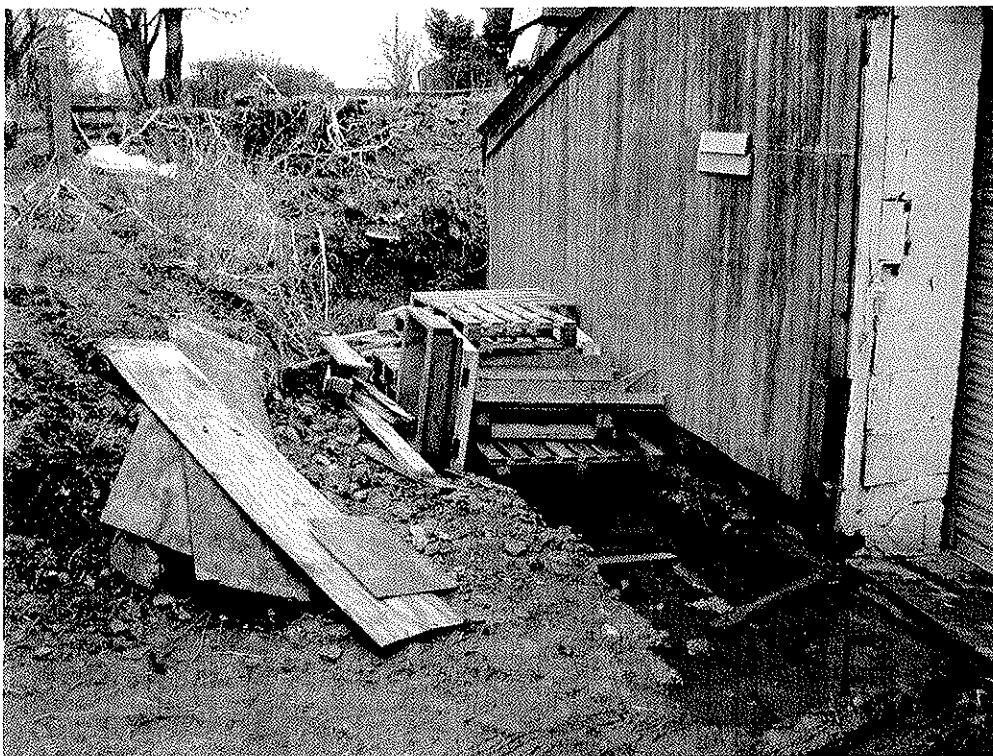


Photo 3: Wooden pallets and standing surface water in front of the entrance to the barn.



Photo 4: Stockpile of soil at the eastern edge of the barn.



Photo 5: View looking east from the site entrance.



Photo 6: View towards neighbouring residences across the paddock.

APPENDIX 4

Historical Ordnance Survey Plans

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Gravel Pit	Sand Pit	Other Pits	Quarry	Shingle	Orchard	Marsh	Reeds	Deciduous	Brushwood	Fir	Rough Pasture	Trigonometrical Station	Bench Mark	Well, Spring, Boundary Post	Surface Level

Ordnance Survey Plan 1:10,000

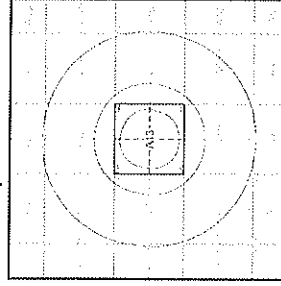
Chalk Pit, Clay Pit or Quarry	Gravel Pit	Gravel Pit or Quarry	Disused Pit or Quarry	Lake, Loch or Pond	Boulders	Non-Confiferous Trees	Orchard	Scrub	Copice	Bracken	Heath	Reeds	Saltings	Marsh	Direction of Flow of Water	Building	Glasshouse	Pylon	Electricity Transmission Line	Pole	Sloping Masonry	Embankment	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, Borough or District Council	Borough, Burgh or County Constabulary	Chill Parish	Shown alternately when coincidence of boundaries occurs
BP, BS	Ch	CH	FE St	FB	Fr	GP	MP	MS	Boundary Post or Stone	Church	Club House	Fire Engine Station	Foot Bridge	Fountain	Guide Post	Mile Post	Mile Stone	Police Station	Post Office	Public Convenience	Public House	Signal Box	Spr	TCS	TCP	W	Well					



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1850	2
Lancashire And Furness	1:10,560	1894 - 1895	4
Lancashire And Furness	1:10,560	1910 - 1911	5
Lancashire And Furness	1:10,560	1930 - 1931	6
Lancashire And Furness	1:10,560	1930	7
Lancashire And Furness	1:10,560	1938	8
Ordnance Survey Plan	1:10,000	1955 - 1956	9
Ordnance Survey Plan	1:10,000	1974 - 1975	11
Ordnance Survey Plan	1:10,000	1980 - 1987	12
Ordnance Survey Plan	1:10,000	1989	14
Ordnance Survey Plan	1:10,000	1991 - 1992	15
10K Raster Mapping	1:10,000	2006	16
10K Raster Mapping	1:10,000	2012	17

Historical Map - Slice A

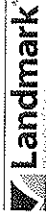


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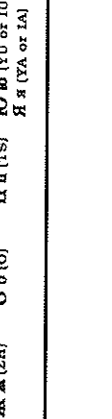
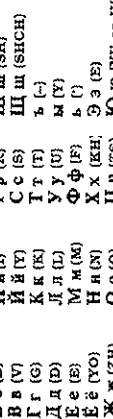
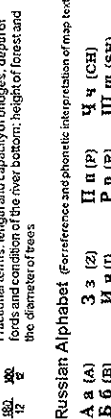
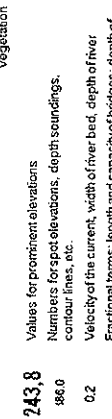
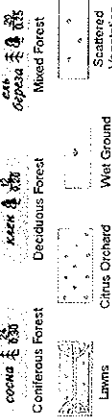
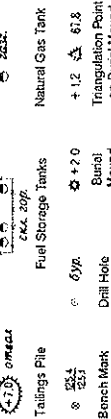
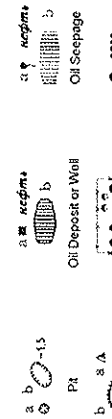
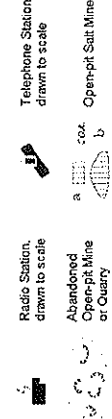
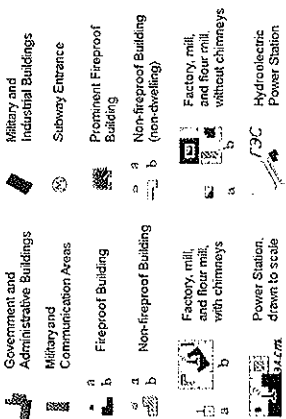
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Fax: 054 844 9951
Web: www.landmark.co.uk

Russian Military Mapping Legends



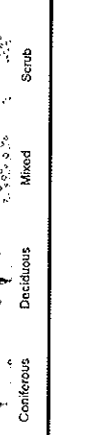
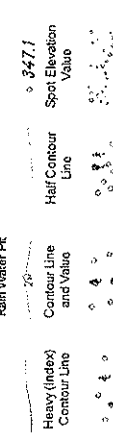
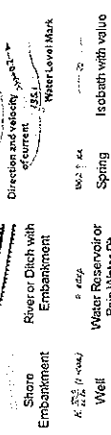
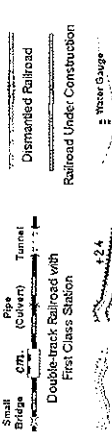
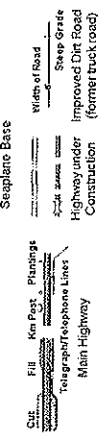
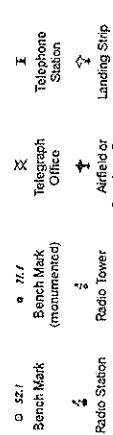
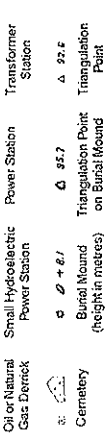
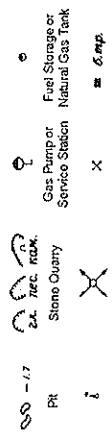
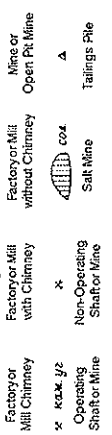
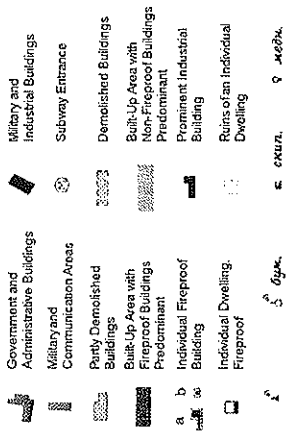
1:5,000 and 1:10,000 mapping

a. Not drawn to scale b. Drawn to scale



1:25,000 mapping

a. Not drawn to scale b. Drawn to scale



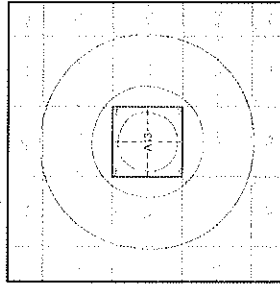
Key to Numbers on Mapping

No.	Description	Scale	Date	Pa
1	Factory (Machine)	1:10,560	1890	3
2		1:10,560	1894-1895	4
3		1:10,560	1910-1911	5
4		1:10,560	1930-1931	6
5		1:10,560	1930	7
6		1:10,560	1938	8
7		1:10,000	1955-1956	9
8		1:10,000	1965-1969	10
9		1:10,000	1974-1979	11
10		1:25,000	1975	12
11		1:10,000	1980-1987	13
12		1:10,000	1989	14
13		1:10,000	1991-1992	15
14		1:10,000	2006	16
15		1:10,000	2012	17

Historical Mapping & Photography included:

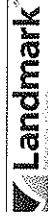
Mapping Type	Scale	Date	Pa
Lancashire And Furness	1:10,560	1890	3
Lancashire And Furness	1:10,560	1894-1895	4
Lancashire And Furness	1:10,560	1910-1911	5
Lancashire And Furness	1:10,560	1930-1931	6
Lancashire And Furness	1:10,560	1930	7
Lancashire And Furness	1:10,560	1938	8
Ordnance Survey Plan	1:10,000	1955-1956	9
Ordnance Survey Plan	1:10,000	1965-1969	10
Ordnance Survey Plan	1:10,000	1974-1979	11
Manchester	1:25,000	1975	12
Ordnance Survey Plan	1:10,000	1980-1987	13
Ordnance Survey Plan	1:10,000	1989	14
Ordnance Survey Plan	1:10,000	1991-1992	15
10K Raster Mapping	1:10,000	2006	16
10K Raster Mapping	1:10,000	2012	17

Russian Map - Slice A



Order Details
 Order Number: 44259587_1_1
 Customer Ref: 13/659
 National Grid Reference: 375770, 409290
 Slice: A
 Site Area (Ha): 0.37
 Search Buffer (m): 1000

Site Details
 9 Taylors Lane, BOLTON, BL2 6QS



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 Fax: 0844 644 0861
 Web: www.envirocheck.co.uk



Lancashire And Furness Published 1850

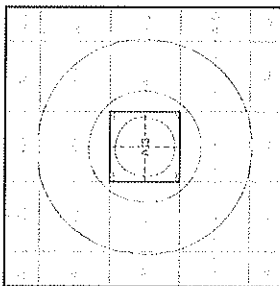
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1954 the 1:50,000 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 late 1940's, a Provisional Edition was produced, which updated unaltered, with all maps being re-surveyed and re-produced. These maps were initially overlaid with the National Grid. In 1970, the revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

09700	1850
1:10,560	
09500	1850
1:10,560	

Historical Map - Slice A



Order Details

Order Number: 44259587_1.1
Customer Ref: 13659
National Grid Reference: 375770, 409290

Site Details

Site Area (Ha): 0.37
Search Buffer (m): 1000
9 Taylors Lane, BOLTON, BL2 6QS



Tel: 0844 844 2622
Fax: 0844 844 9981
Email: info@envirocheck.co.uk



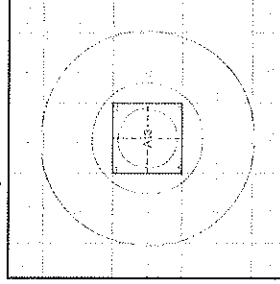
Lancashire And Furness Published 1894 - 1895 Source map scale - 1:10,560

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 1:50,000 scale was adopted for mapping urban areas. These maps were used to 1:50,000 scale maps. The published date given therefore is often some years later than the source map. The maps are based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in adjoining 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)

087SW	087SE
1894	1894
1:10,560	1:10,560
085NW	085NE
1895	1895
1:10,560	1:10,560

Historical Map - Slice A



Order Details

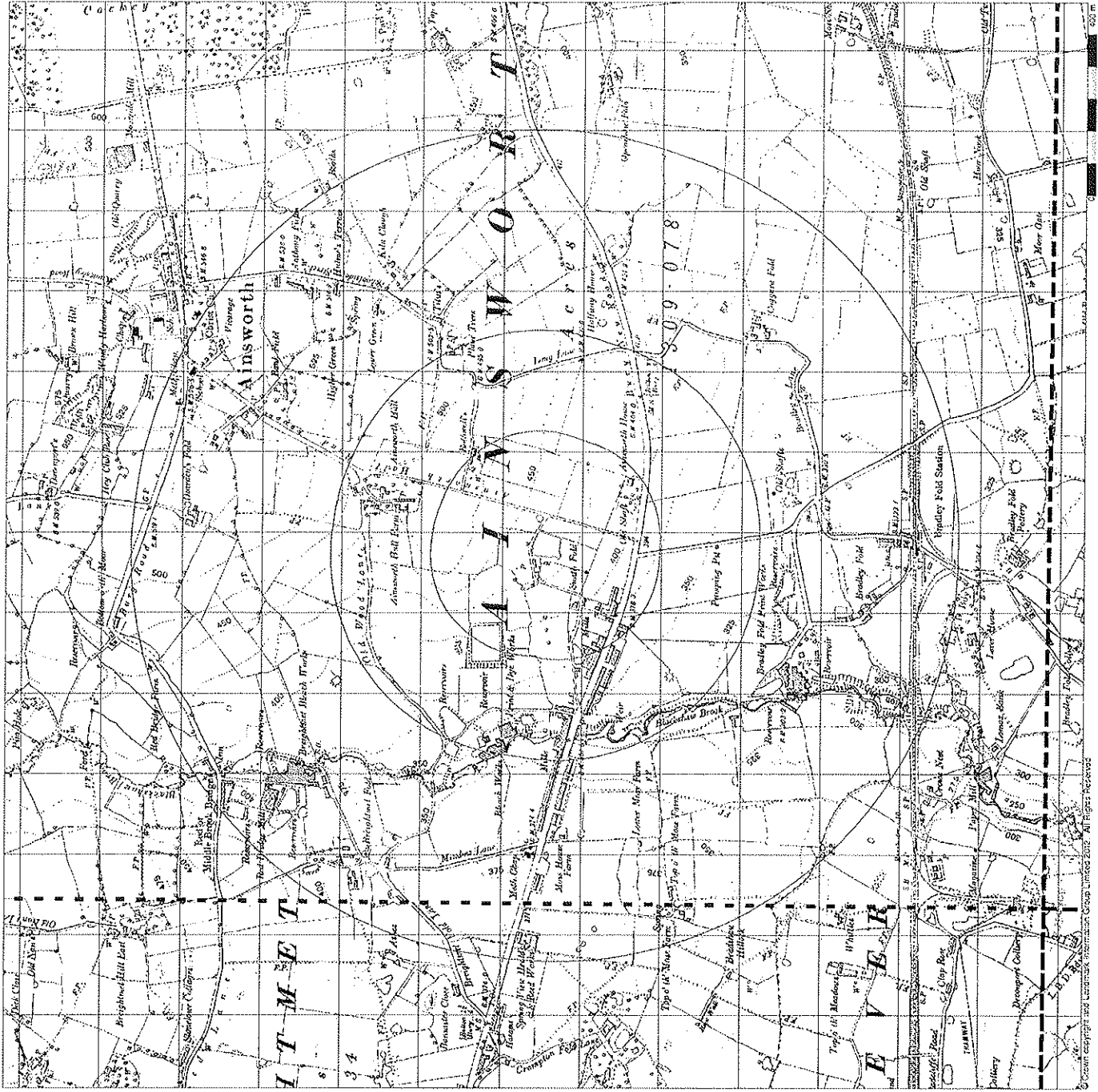
Order Number: 44259587_1_1
Customer Ref: 136659
National Grid Reference: 375770, 409290
Slice: A
Site Area (Ha): 0.37
Search Buffer (m): 1000

Site Details

9 Taylors Lane, BOLTON, BL2 6QS



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Lancashire And Furness

Published 1910 - 1911

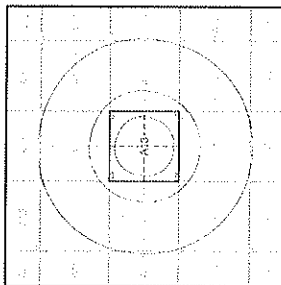
Source map scale - 1:10,560

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 data 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 adjoining areas. In the late 1940's, a Provisional Edition was produced, which updated uncharted areas. In the late 1950's, the OS introduced a new series of maps, the 1:10,000 maps, which 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)

OS75W 1911	OS2SE 1911
1:10,560	1:10,560
OS5NW 1911	OS5NE 1911
1:10,560	1:10,560

Historical Map - Slice A



Order Details

Order Number: 44259587_1.1
Customer Ref: 131659
National Grid Reference: 375770, 409290

Site Area (Ha): 0.37

Search Buffer (m): 1000

Site Details

9 Taylors Lane, BOLTON, BL2 6DS



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www.landmark.co.uk



Lancashire And Furness

Published 1930 - 1931

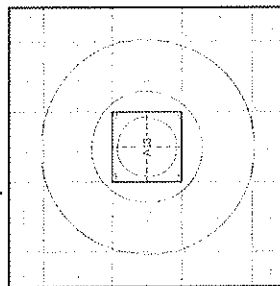
Source map scale - 1:10,560

The historical maps shown were reproduced from maps posthumously 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 unaltered - with all military camps and other strategic sites removed. These 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)

082SW	087SE
1931	1931
1:10,560	1:10,560
085NW	085NE
1930	1930
1:10,560	1:10,560

Historical Map - Slice A



Order Details

Order Number: 44259587_1.1

Customer Ref: 131659

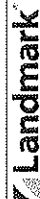
National Grid Reference: 375770, 409290

Site Area (Ha): 0.37

Search Buffer (m): 1000

Site Details

9 Taylors Lane, BOLTON, BL2 6DS



0844 844 5952
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0845
Fax
www.envirocheck.co.uk



Lancashire And Furness Published 1930

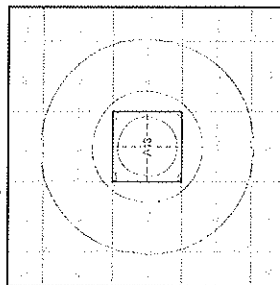
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1954 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 area giving rise to significant inaccuracies in outlying areas. In the 1940's the Ordnance Survey produced 'worn updated' maps of the 1:10,560 mapping from a number of sources. 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)

085NW
1:500
1:10,560

Historical Map - Slice A

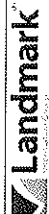


Order Details

Order Number: 44259587_1_1
Customer Ref: 131659
National Grid Reference: 375770, 409290
Slice: A
Site Area (Ha): 0.37
Search Buffer (m): 1000

Site Details

9 Taylors Lane, BOLTON, BL2 6DS



Ref: 094-18-11-1852
Date: 18-Feb-2013
VCS: vcs.envirocheck.co.uk



Lancashire And Furness
Published 1938

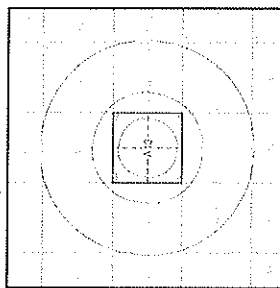
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held by the Ordnance Survey for England, Wales and Scotland in the 1940's. In 1954 the Ordnance Survey produced a new series of maps for the United Kingdom, which were used to update the 1:50,000 maps. The publication date given indicates the year the map was first published, often some years later than the publication date. Before 1939, all OS maps were based on the Cassini Projection, with two ways of a single country or of a group of countries giving rise to significant measurement inaccuracies. In the late 1940's, a Provisional Edition was produced, which updated the 1:50,000 mapping from a number of sources. The maps appeared. These maps were initially overlaid with all military camps and other strategic sites removed. These 1:100,000 maps were principally used with the National Grid. In 1970, the first edition projection process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

087SW	087SE
1938	1938
1:10.560	1:10.560
095NW	095NE
1938	1938
1:10.560	1:10.560

Historical Map - Slice A



Order Details

Order Number: 44259587_1_1

Customer Ref: 13/659

National Grid Reference: 375770, 409290
A

Site: A
Site Area (Ha): 0.37

Search Buffer (m): 1000

Site Details

9 Taylors Lane, BOLTON, BL2 6QS



Landmark

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Web www.eniotechuk.co.uk

Ordnance Survey Plan Published 1955 - 1956

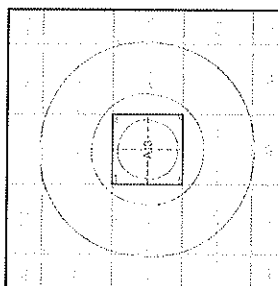
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in 1940 and 1944. The 1:2,500 scale was adopted for mapping urban areas. These maps were used to update the 1:10,000 maps. The published date given in the title 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 adjoining areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,000 mapping from a number of sources. The maps appear to show, with all military camps and other strategic sites removed. These maps were used in the National Grid in 1970. The first 1:10,000 maps were produced using the National Grid in 1970. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

SD7SW	SD7SE
1955	1956
1:10,560	1:10,560
SD7NW	SD7NE
1955	1955
1:10,560	1:10,560

Historical Map - Slice A



Order Details

Order Number: 44259587_1
Customer Ref: 13659
National Grid Reference: 375770, 409290

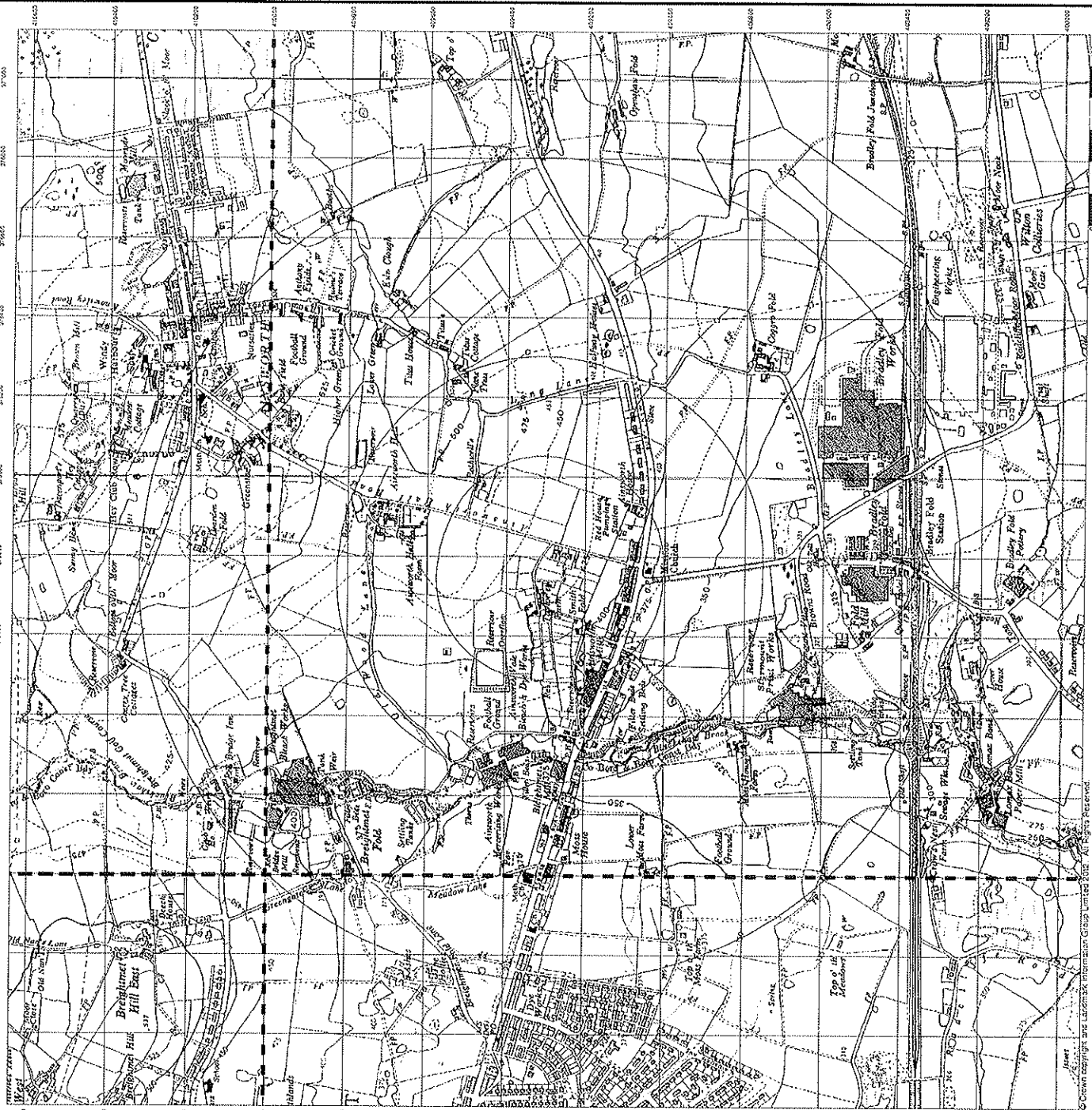
Site: A
Site Area (Ha): 0.37
Search Buffer (m): 1000

Site Details

9 Taylors Lane, BOLTON, BL2 6DS

Landmark

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Fax: 0844 844 8951
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Ordnance Survey Plan Published 1965 - 1969

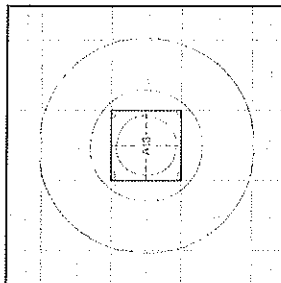
Source map scale - 1:10,000

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 1:50,000 scale was adopted for mapping urban areas. These maps were used to update the 1:10,000 maps. The published date given here 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 mapping from a number of sources. The maps appear to be unaltered since the late 1940's, but some minor changes have been made. These maps were initially overlaid with the Transverse Mercator Projection. The 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)

SD7SW	1965	1:10,560
SD7SE	1969	1:10,560
SD7NW	1965	1:10,560
SD7NE	1969	1:10,560

Historical Map - Slice A



Order Details

Order Number: 44259587_1.1
Customer Ref: 13/659
National Grid Reference: 375770, 409290
Site Area (Ha): 0.37
Search Buffer (m): 1000

Site Details

9 Taylors Lane, BOLTON, BL2 6QS



Ordnance Survey Plan

Published 1974 - 1979

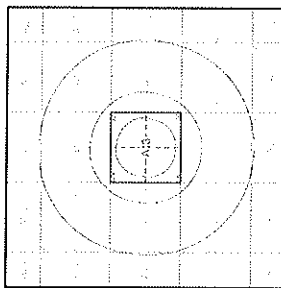
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the Ordnance Survey, which were published in the 1940's. In 1954 the 1:10,000 scale was adopted for the first time. These maps were used to update the 1:10,000 maps. The published maps are 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 1:10,000 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overlaid with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The new maps are more accurate and are published annually, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

SD71SW	SD71SE
1974	1974
1:10,000	1:10,000
SD71NW	SD71NE
1979	1979
1:10,000	1:10,000

Historical Map - Slice A

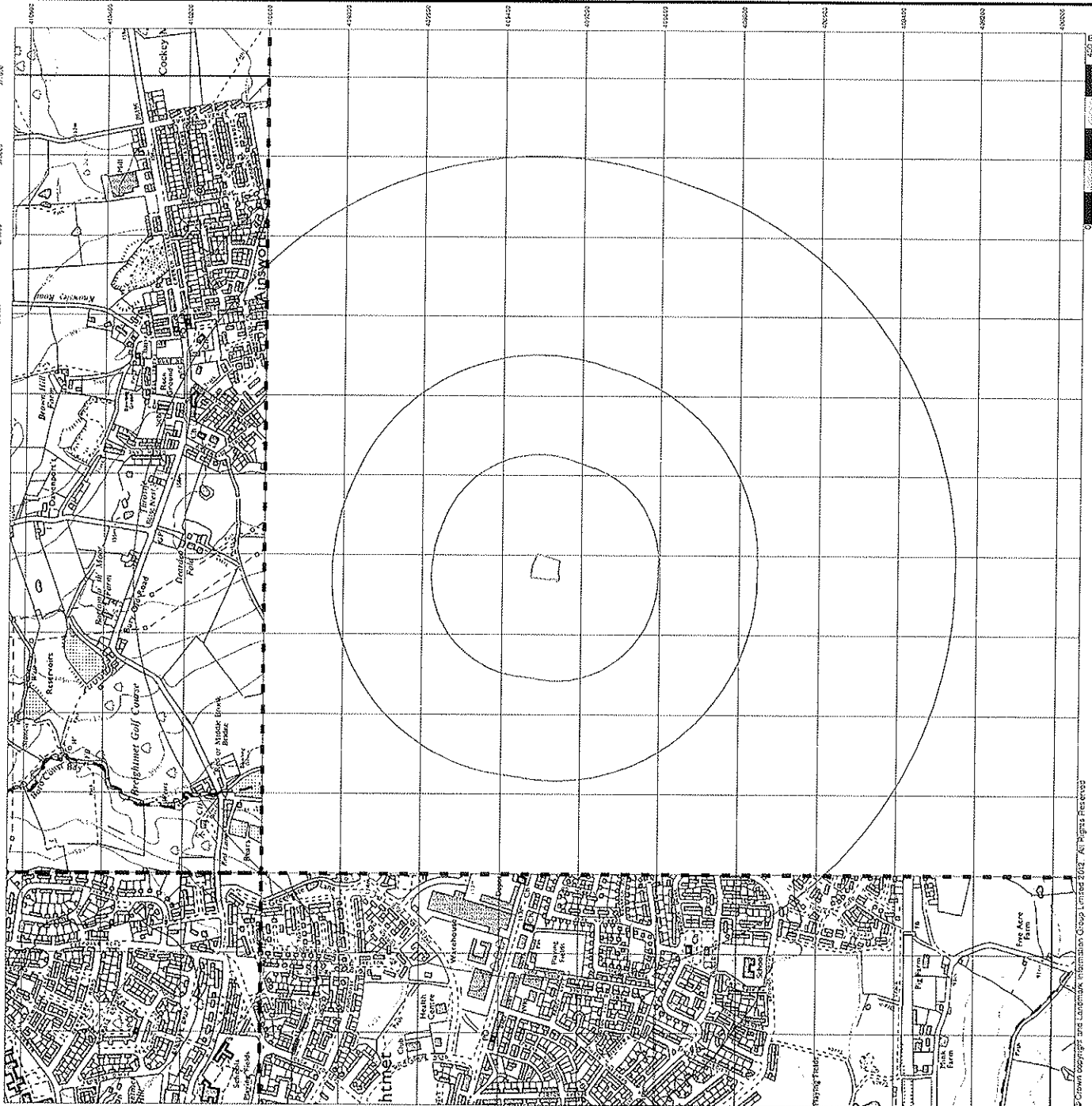


Order Details

Order Number: 44259587_1_1
 Customer Ref: 13669
 National Grid Reference: 375770, 408290
 Slice: A
 Site Area (Ha): 0.37
 Search Buffer (m): 1000

Site Details

9 Taylors Lane, BOLTON, BL2 6QS





Published 1975

Source map scale - 1:25,000

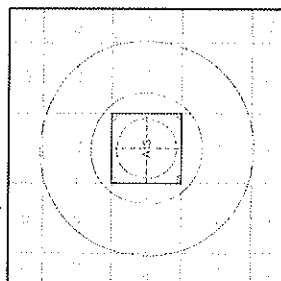
These maps were produced by the Russian military during the Cold War, between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and water. Buildings are outlined black and important buildings (such as schools, hospitals, police stations, etc.) are numbered with a three-digit number for easy identification.

The maps were produced by the Russians for the benefit of navigation, as well as for strategic military sites and transport hubs, for if they were to have invaded the U.K. The detailed information provided indicates that the areas that would be most useful for landing personnel, on the ground, in the cities that are mapped.

[illegible]

SD71	SD70
1975	1975
1:25,000	1:25,000

Russian Map - Slice A



Order Details

Order Number: 44259587-11

Customer Ref: 13/659

National Grid Reference: 375770, 409290
Office: A

Site Area (Ha): 0.37

Search Buffer (m): 1000

Site Details
Taylors Lane, BOLTON, BL2 6QS

Landmark

DATE	DESCRIPTION	AMOUNT	BALANCE
1965 07 02	WAGE	1565 00	
1965 07 09	WAGE	1565 00	

Landmark Information Group Service v47.0 18-Feb-2013 Page 12 of 17



Ordinance Survey Plan Published 1980 - 1987

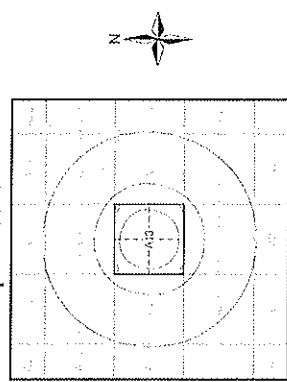
Source map scale - 1:10,000

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 1938, a Provisional Edition was produced, which updated the 1:10,560 maps to the 1:25,000 scale. 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)

SD71SW	1987	1:10,000
SD71SE	1987	1:10,000
SD70NE	1990	1:10,000

Historical Map - Slice A



Order Details

Order Number: 44259587_1_1
Customer Ref: 13659
National Grid Reference: 375770, 409290
Slice: A
Site Area (Ha): 0.37
Search Buffer (m): 1000

Site Details

9 Taylors Lane, BOLTON, BL2 6QS



Landmark
Tel: 0844 844 9952
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www.envirocheck.co.uk

Ordnance Survey Plan Published 1989

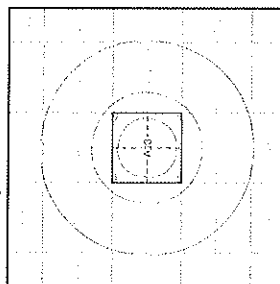
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1940's. In 1854 the 1:2,500 scale was adopted for mapping urban areas. These maps were used to update the 1:10,000 maps. The published date given therefore is often some years later than the surveyed date. Before 1938 all OS maps were produced using the Transverse Mercator Projection. The 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)

SD70NE
1989
1:10,000

Historical Map - Slice A



Order Details

Order Number: 44239587_1_1
Customer Ref: 131659
National Grid Reference: 375770, 409280
Slice: A
Site Area (Ha): 0.37
Search Buffer (m): 1000

Site Details

9 Taylors Lane, BOLTON, BL2 6QS





Published 1991 - 1992

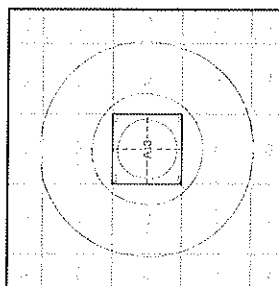
Source map scale - 1:10,000

[illegible]

Map Name(s) and Date(s)

NAME	AGE	SEX	DOB	DOB	DOB
SD70NWE	1992	1.10.0000			
SD70NWE	1991	1.10.0000			

Historical Map - Slice A



Order Details

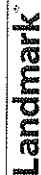
Order Details:
Order Number: 44259587_1_1
Customer Ref: 13/659
National Grid Reference: 375770, 409290

Alice:

Site Area (Ha): 0.37

Site Details

Site Details
Taylors Lane, BOLTON, BL2 6QS

Tel: 01223 313131
Fax: 01223 313132
E-Mail: info@hilton.com

0344 844 5952
0844 844 2951
0300 2371925

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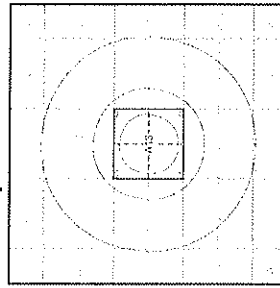
10k Raster Mapping Published 2006 Source map scale - 1:10,000

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 depicts the historic county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)

SD7-SW	SD7-SE
2006	2006
1:10,000	1:10,000
SD7-NW	SD7-NE
2006	2006
1:10,000	1:10,000

Historical Map - Slice A

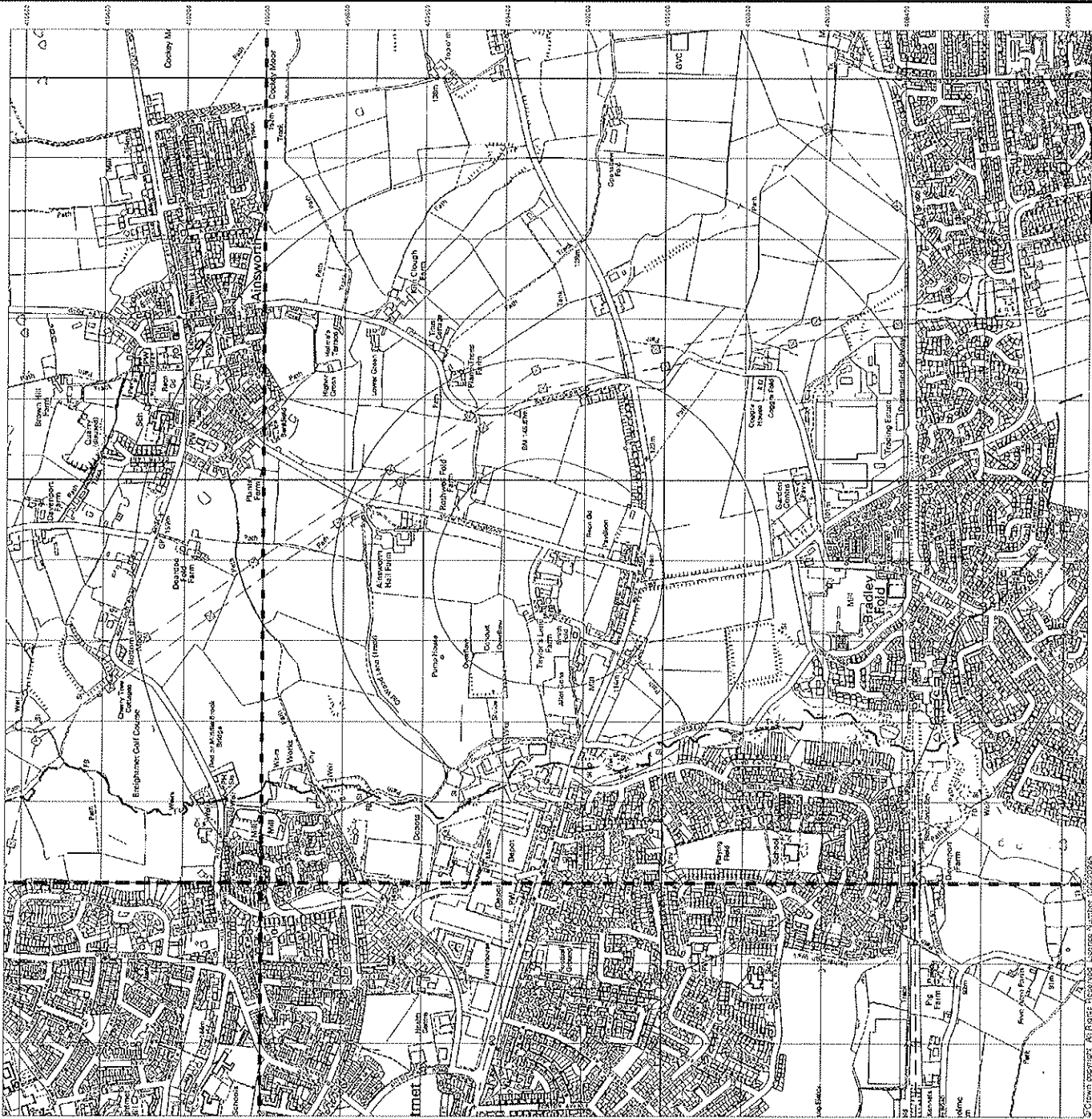


Order Details

Order Number: 44259587_1_1
Customer Ref: 13659
National Grid Reference: 375770, 409290
Site: A
Site Area (Ha): 0.37
Search Buffer (m): 1000

Site Details

9 Taylors Lane, BOLTON, BL2 6QS





10k Raster Mapping Published 2012

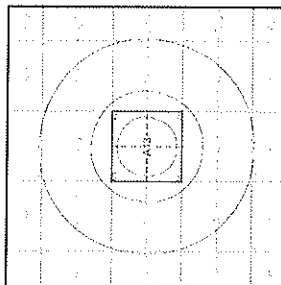
Source map scale - 1:10,000

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)

SD71SW	SD71SE
2012	2012
1:10,000	1:10,000
SD70NW	SD70NE
2012	2012
1:10,000	1:10,000

Historical Map - Slice A



Order Details

Order Number: 44255587_1_1
Customer Ref: 131659
National Grid Reference: 375770, 409290

Site:
A

Site Area (Ha):
0.37

Search Buffer (m):
1000

Site Details

9 Taylors Lane, BOLTON, BL2 6DS



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Fax: 0844 544 5951
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Historical Mapping Legends

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

Quarry	Gravel Pit	Sand Pit
Clay Pit	Shingle	Refuse Heap
Sloping Masonry	Flat Rock	
Marsh	Reeds	Osiers
Rough Pasture	Furze	Wood
Mixed Wood	Brushwood	Orchard
Fir	Ford	Stepping Stones
Ferry	Waterfall	Lock
Trig. Station	Altitude at Trig. Station	
Bench Mark	Surface Level	
Arrow denotes flow of water	Antiquities (site of)	
Cutting	Embankment	
Railway crossing Road	Level Crossing	Road crossing Railway
Railway crossing River or Canal	Road over single stream	Road over River or Canal
County Boundary (Geographical)	County & Civil Parish Boundary	Administrative County & Civil Parish Boundary
County Borough Boundary (England)	County Borough Boundary (Scotland)	
Boundary Post or Stone	Police Call Box	
Bridle Road	Pump	
Electricity Pylon	Signal Post	
Foot Bridge	St. Sluice	
Foot Path	Spring	
Guide Post or Board	Telephone Call Box	
Mile Stone	Trough	
Mooring Post or Ring	Well	

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

Inactive Quarry, Chalk Pit or Clay Pit	Active Quarry, Chalk Pit or Clay Pit
Rock	Boulders
Cliff	Slopes
Roofed Building	Glazed Roof Building
Sloping Masonry	Archway
Non-Confiterous Tree (surveyed)	Confiterous Tree (surveyed)
Non-Confiterous Trees (not surveyed)	Confiterous Trees (not surveyed)
Orchard Tree	Scrub
Copple, Osier	Reeds
Rough Grassland	Heath
Direction of water flow	Bench Mark
Cave Entrance	Triangulation Station
Electricity Transmission Line	Electricity Pylon
County Boundary (Geographical)	County & Civil Parish Boundary
Civil Parish Boundary	Admin. County or County Bor. Boundary
London Borough Boundary	Symbol marking point where boundary meeting changes
Barracks	P
Battery	PO
Cemetry	PC
Chy	Public Convenience
Chy	Public House
Chy	Pump
Chy	Signal Box or Bridge
Chy	Signal Post or Light
Chy	Spring
Chy	Tank or Trunk
Chy	Telephone Call Box
Chy	Telephone Call Post
Chy	Trough
Chy	Water Point, Water Tap
Chy	Well
Chy	Wind Pump

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

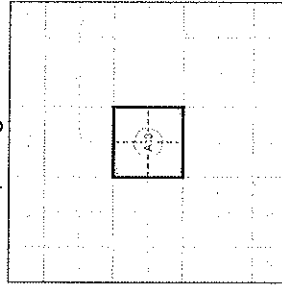
Cliff	Slopes	Top
Rock	Rock (scattered)	
Boulders	Boulders (scattered)	
Positioned Boulder	Scree	
Non-Confiterous Tree (surveyed)	Confiterous Tree (surveyed)	
Non-Confiterous Trees (not surveyed)	Confiterous Trees (not surveyed)	
Orchard Tree	Scrub	
Copple, Osier	Reeds	
Rough Grassland	Heath	
Direction of water flow	Triangulation Station	
Electricity Transmission Line	Electricity Pylon	
Barracks	P	
Battery	PO	
Cemetry	PC	
Chy	Public Convenience	
Chy	Pump	
Chy	Signal Box or Bridge	
Chy	Signal Post or Light	
Chy	Spring	
Chy	Tank or Trunk	
Chy	Telephone Call Box	
Chy	Telephone Call Post	
Chy	Trough	
Chy	Water Point, Water Tap	
Chy	Well	
Chy	Wind Pump	



Historical Mapping & Photography included:

Mapping Type	Scale	Date
Lancashire And Furness	1:2,500	1893
Lancashire And Furness	1:2,500	1910
Lancashire And Furness	1:2,500	1930
Lancashire And Furness	1:2,500	1937
Ordnance Survey Plan	1:1,250	1955 - 1956
Ordnance Survey Plan	1:1,250	1955 - 1957
Ordnance Survey Plan	1:1,250	1956
Ordnance Survey Plan	1:1,250	1961 - 1975
Ordnance Survey Plan	1:1,250	1969 - 1970
Ordnance Survey Plan	1:1,250	1972 - 1987
Ordnance Survey Plan	1:1,250	1986 - 1987
Large-Scale National Grid Data	1:1,250	1992
Large-Scale National Grid Data	1:1,250	1994

Historical Map - Segment A13

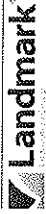


Order Details

Order Number: 44259587_11
Customer Ref: 13659
National Grid Reference: 375770, 409290
Site: A
Site Area (Ha): 0.37
Search Buffer (m): 100

Site Details

9 Taylors Lane, BOLTON, BL2 6QS



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Lancashire And Furness Published 1893

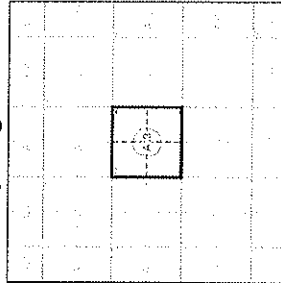
Source map scale - 1:2,500

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 1886 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)

087-15
1893
1:2,500

Historical Map - Segment A13



Order Details

Order Number: 44259587_1
Customer Ref: 13659
National Grid Reference: 375770, 409290

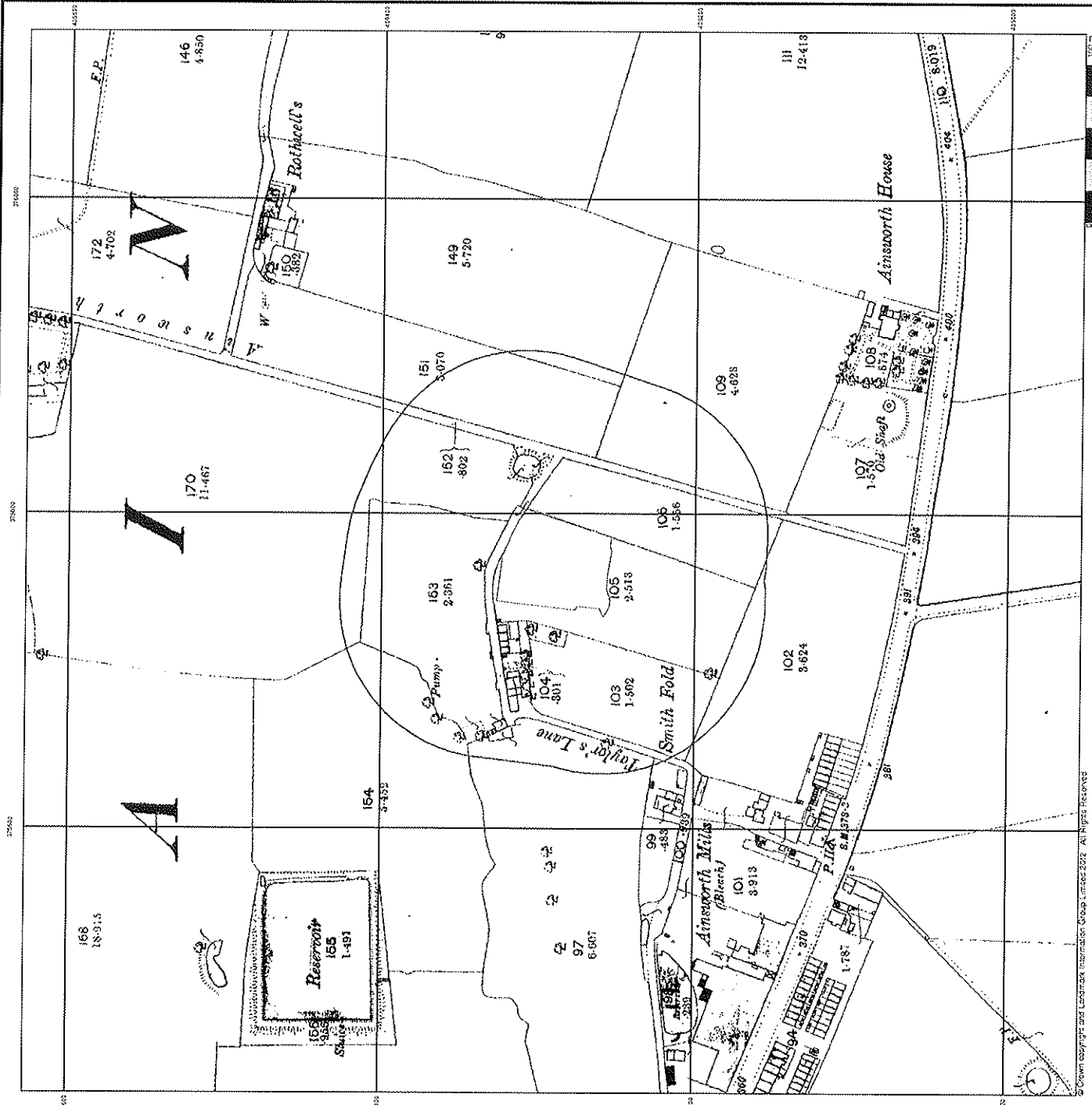
Site: A
Site Area (Ha): 0.37
Search Buffer (m): 100

Site Details

9 Taylors Lane, BOLTON, BL2 6QS



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Lancashire And Furness Published 1910

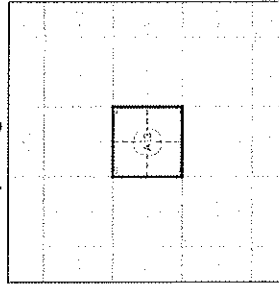
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held in the Ordnance Survey archives. The maps were surveyed in the 1840's, 1850's and 1860's. The maps were surveyed by the Ordnance Survey and by the 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)

OS 1:2,500
1910

Historical Map - Segment A13



Order Details

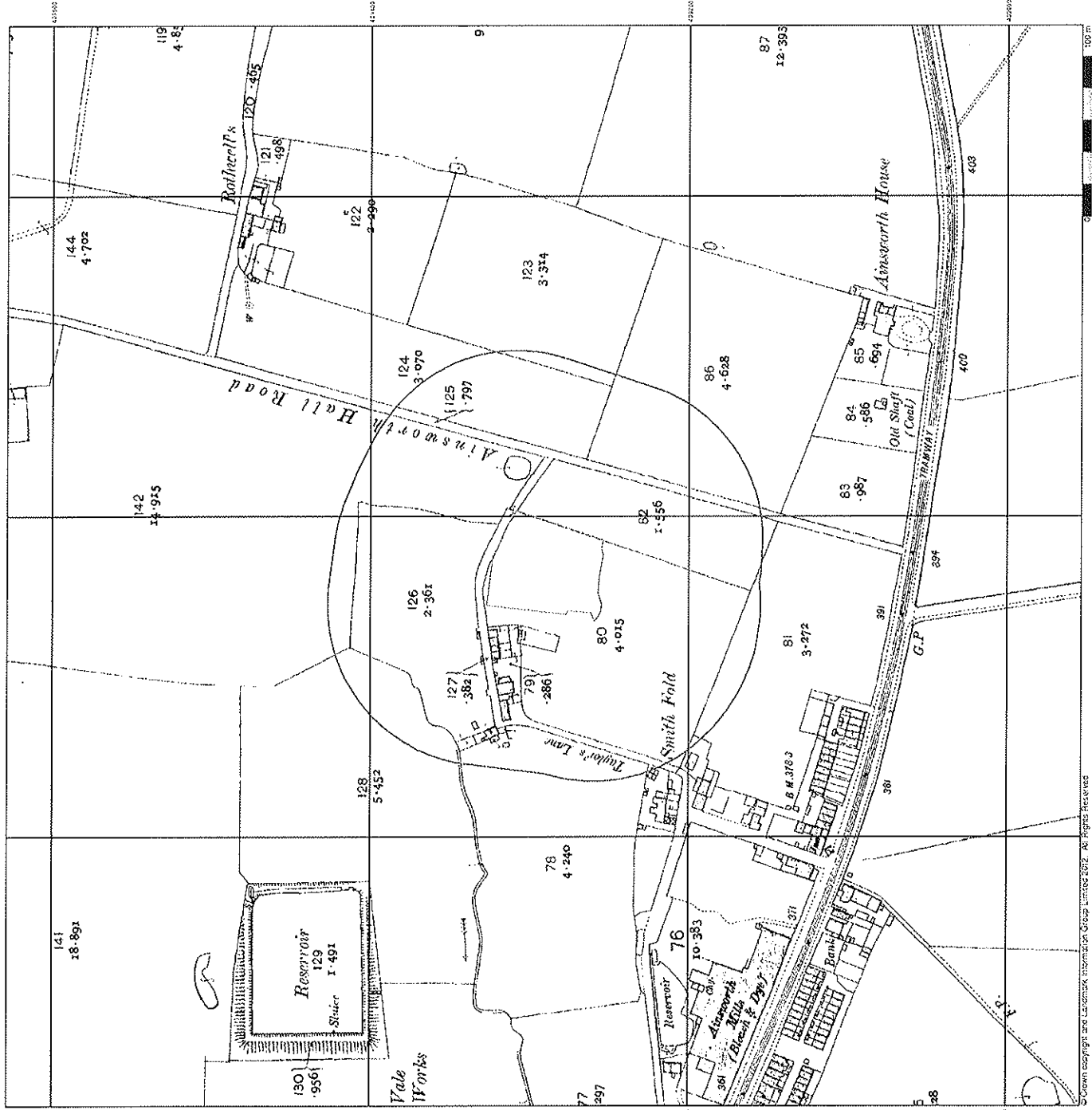
Order Number: 44259587_1_1
Customer Ref: 13659
National Grid Reference: 375770, 409290
Site: A
Site Area (Ha): 0.37
Search Buffer (m): 100

Site Details

9 Taylors Lane, BOLTON, BL2 6QS



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Lancashire And Furness
Published 1930

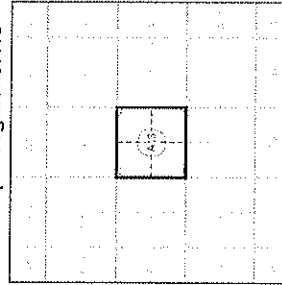
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1940's. In 1854, the 1:2,500 scale was adopted for mapping urban areas and by 1895 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)

1	987.15
1	9930
1	12.500

Historical Map - Segment A13



Order Details

Order Number: 44259587_1_1
Customer Ref: 13659
National Grid Reference: 375770, 408290

Site Area (Ha): 0.37

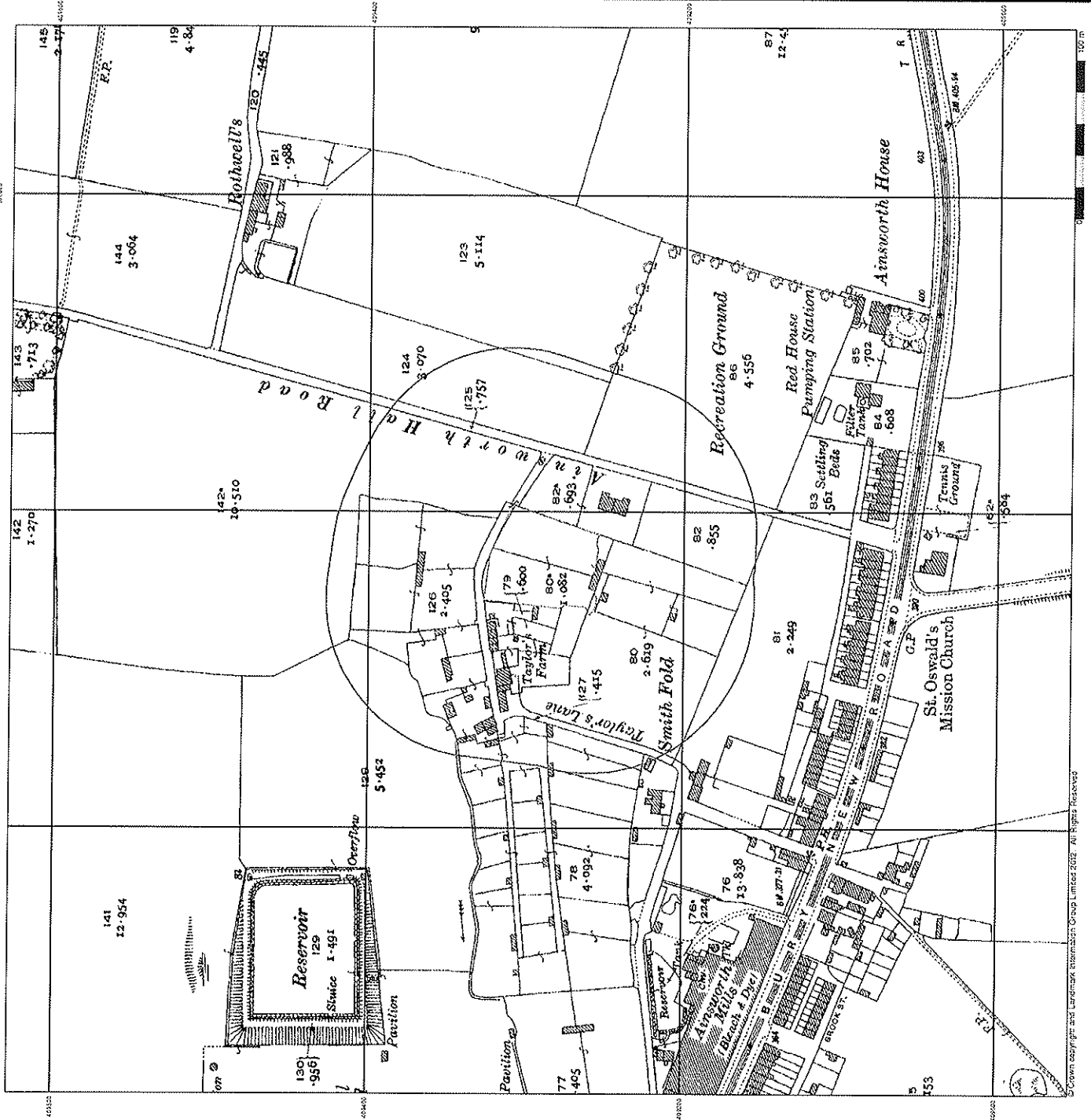
Search Buffer (m): 100

Site Details

9 Taylors Lane, BOLTON, BL2 6OS



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Lancashire And Furness
Published 1937

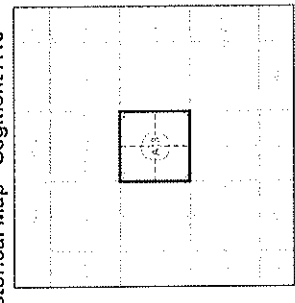
Source map scale - 1:2,500

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 1886 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)

OS 15
1937
1:2,500

Historical Map - Segment A13

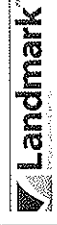


Order Details

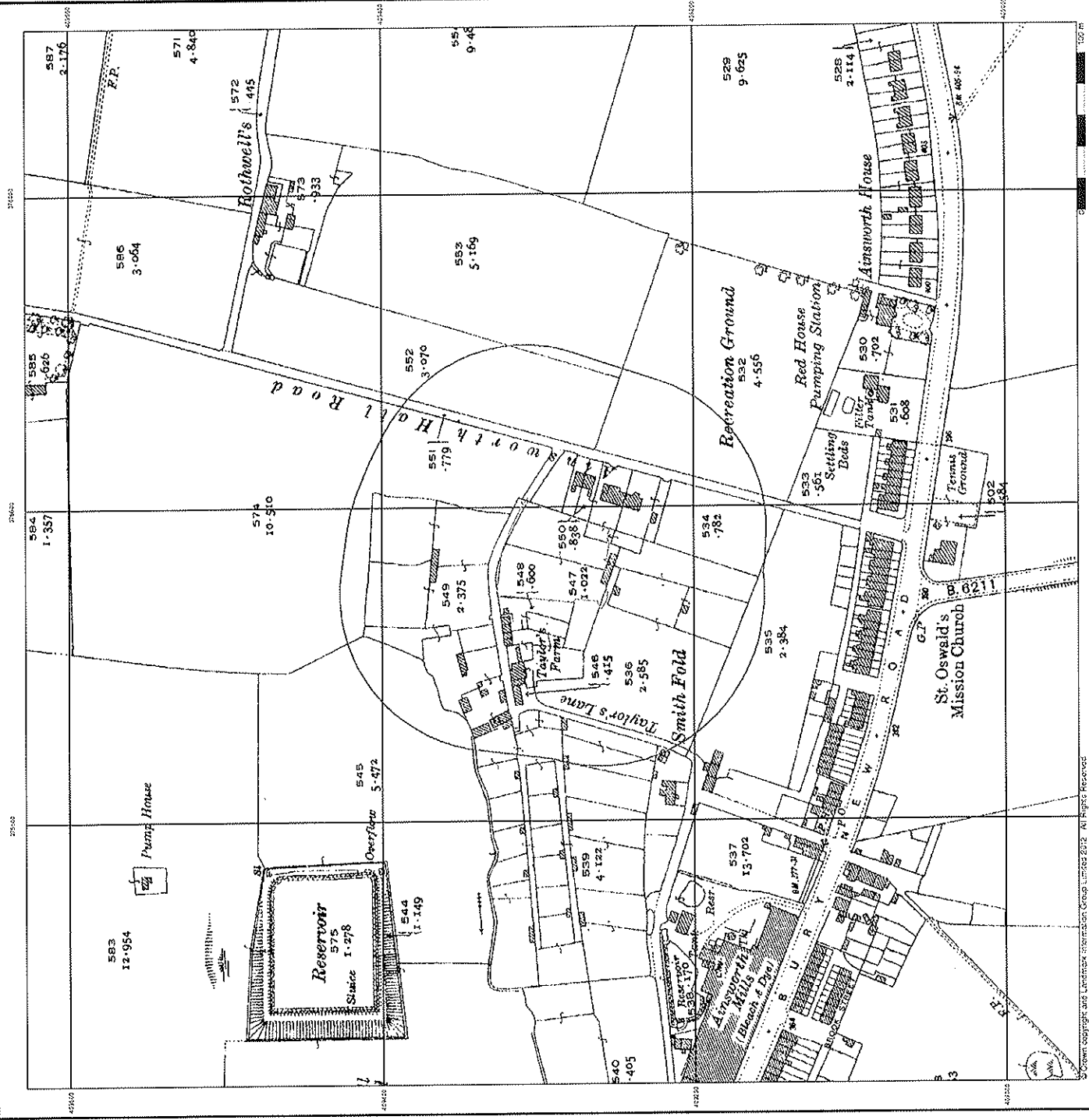
Order Number: 44259587_1_1
Customer Ref: 131659
National Grid Reference: 375770, 408290
Slice: A
Site Area (Ha): 0.37
Search Buffer (m): 100

Site Details

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Ordnance Survey Plan
Published 1955 - 1956

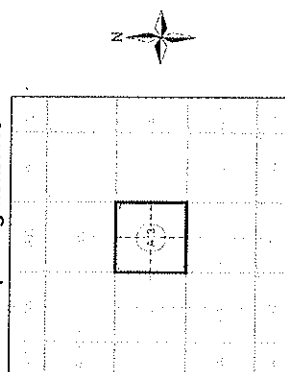
Source map scale - 1:1,250

The historical maps shown were reproduced from maps predominantly held at the scale printed for Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for Ireland and by 1896 it was used throughout Britain. The published date given below is often some years later than the surveyed dates. 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)

Q7509NW	Q7509SW	Q7509NW
1955	1955	1955
1.250	1.250	1.250
1.250	1.250	1.250

Historical Map - Segment A13

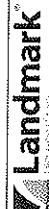


Order Details

Order Number: 44259587 1_1
Customer Ref: 13659
National Grid Reference: 375770, 409290
Altice: A
Site Area (Ha): 0.37
Search Buffer (m): 100

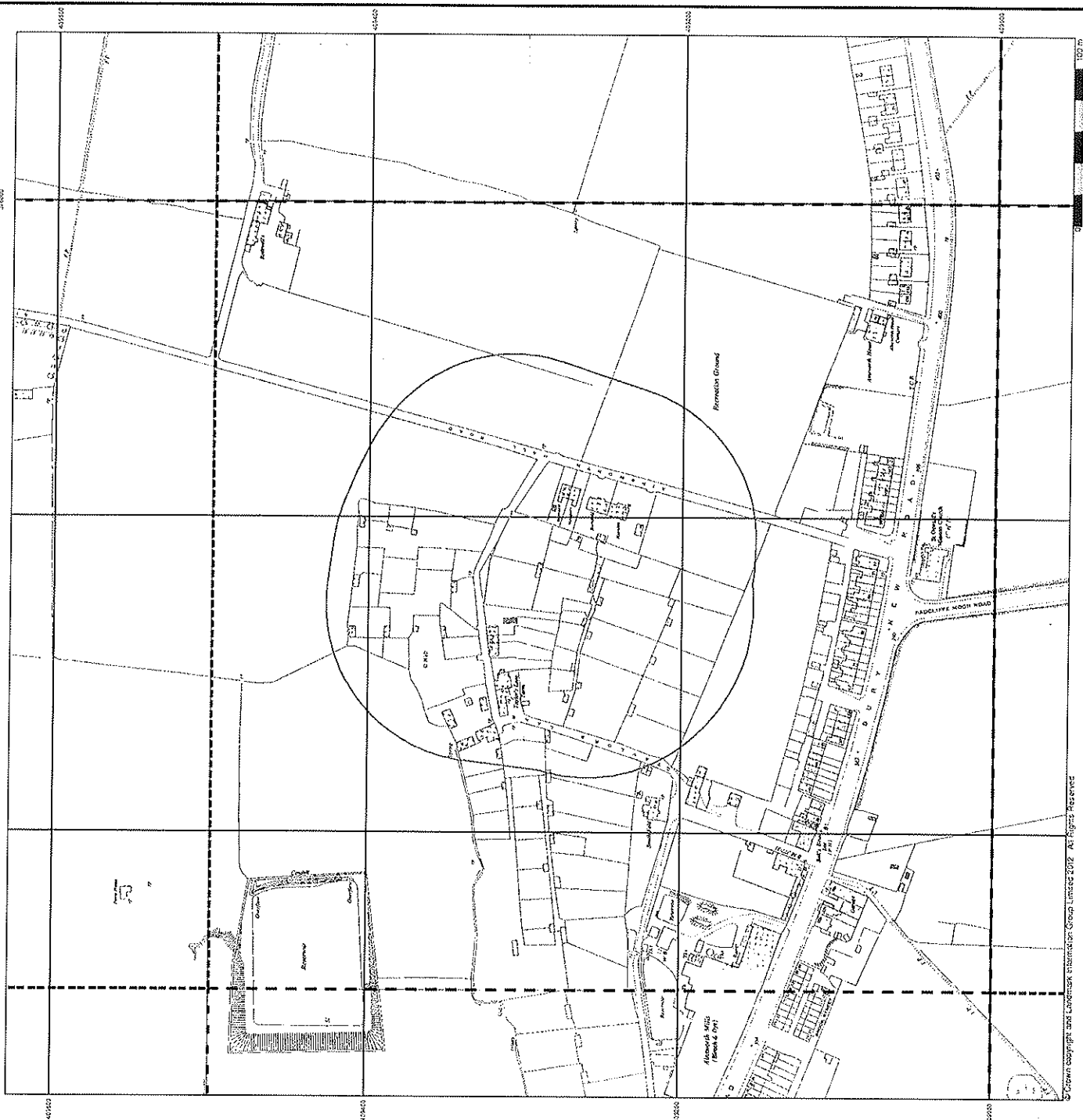
Site Details

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Landmark Information Group Service v47.0 18-Feb-2013 Page 6 of 14



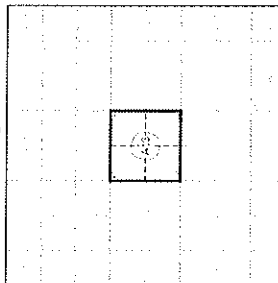
Additional SIMs Published 1955 - 1987 Source map scale - 1:1,250

The SIM cards (Ordinance 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)

525400W/525400N	1981	1:1,250
525400W/525400N	1987	1:1,250
525400W/525400N	1988	1:1,250
525400W/525400N	1989	1:1,250
525400W/525400N	1990	1:1,250
525400W/525400N	1991	1:1,250
525400W/525400N	1992	1:1,250
525400W/525400N	1993	1:1,250
525400W/525400N	1994	1:1,250

Historical Map - Segment A13

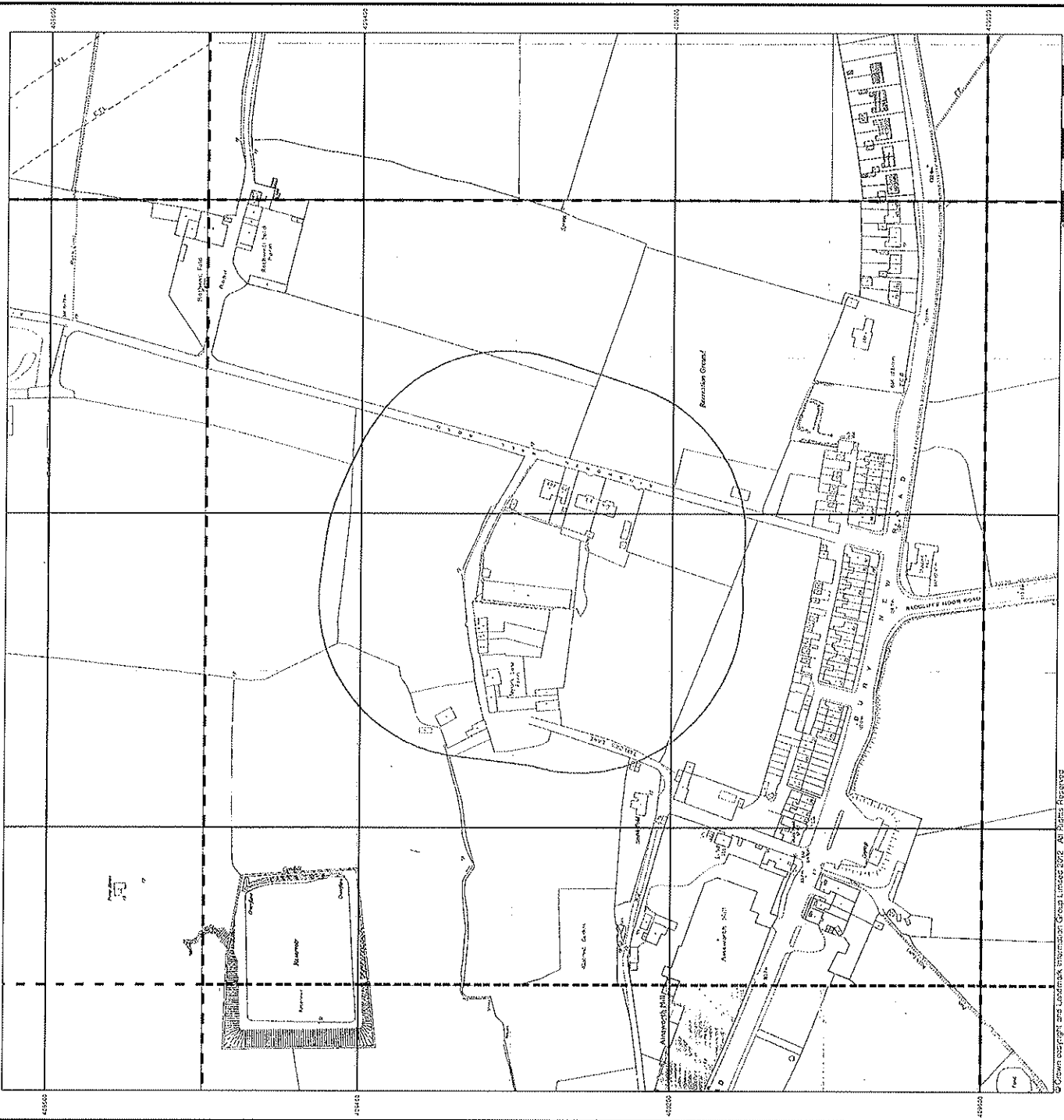


Order Details

Order Number: 4425987_1_1
Customer Ref: 13659
National Grid Reference: 375770, 409290
Site: A
Site Area (Ha): 0.37
Search Buffer (m): 100

Site Details

9 Taylors Lane, BOLTON, BL2 6QS





Ordnance Survey Plan Published 1956

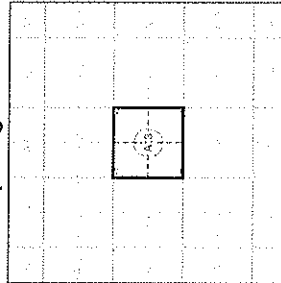
Source map scale - 1:2,500

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 1886 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)

SD7509	SD7509
1956	1956
12,500	12,500
SD7508	SD7508
1956	1956
12,500	12,500

Historical Map - Segment A13



Order Details

Order Number: 44259587_1_1

Customer Ref: 13659

National Grid Reference: 375770, 409290

Site: A

Site Area (Ha): 0.37

Search Buffer (m): 100

Site Details

9 Taylors Lane, BOLTON, BL2 6DS



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Ordinance Survey Plan Published 1961 - 1975

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.

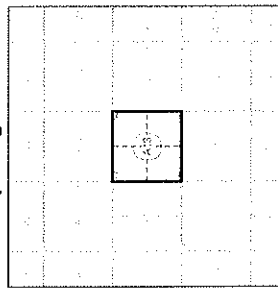
Map Name(s) and Date(s)

OS 1:2500
1961
1:1,250
1975

OS 1:2500
1961
1:1,250
1975

OS 1:2500
1961
1:1,250
1975

Historical Map - Segment A13

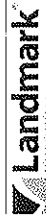


Order Details

Order Number: 44259587_1.1
Customer Ref: 13659
National Grid Reference: 375770, 409290
Site: A
Site Area (Ha): 0.37
Search Buffer (m): 100

Site Details

9 Taylors Lane, BOLTON, BL2 6OS



EN
0844 944 1800
0844 944 1805
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Ordinance Survey Plan

Published 1969 - 1970

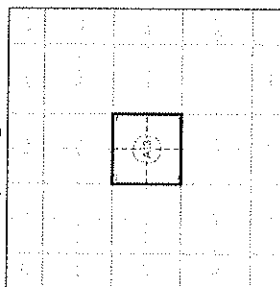
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1940's. In 1954 the 1:2,500 scale was adopted for mapping urban areas and by 1958 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 boundary areas.

Map Name(s) and Date(s)

SD25609	1969	1:2,500
SD25608	1970	1:2,500

Historical Map - Segment A13



Order Details

Order Number: 44259587_1_1
Customer Ref: 131659
National Grid Reference: 375770, 409290

Site: A
Site Area (Ha): 0.37
Search Buffer (m): 100

Site Details

9 Taylors Lane, BOLTON, BL2 6GS



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Ordnance Survey Plan Published 1973 - 1987

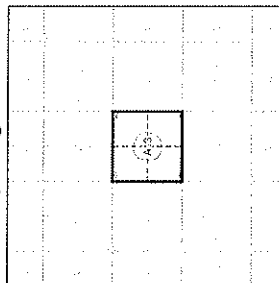
Source map scale - 1:1,250

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1940's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1898 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published maps shown are often some years later than the surveyed data. Before 1938 the OS used the Cassini projection, which gave rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

SD74069NW	1967
SD74069NW	1:1,250
SD74069SW	1967
SD74069SW	1:1,250

Historical Map - Segment A13



Order Details

Order Number: 44259587_1_1
Customer Ref: 13659
National Grid Reference: 375770, 409290
Slice: A
Site Area (Ha): 0.37
Search Buffer (m): 100

Site Details

9 Taylors Lane, BOLTON, BL2 6QS



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Fax: 0844 844 6951
Web: www.envirocheck.co.uk

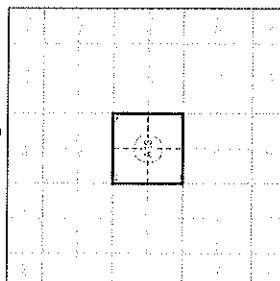
Additional SIMs Published 1986 - 1987 Source map scale - 1:1,250

The SIM cards (Ordinance 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)

SD760SW	SD760SW
1987	1986
1:1,250	1:1,250
SD760NW	SD760NW
1986	1986
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

Order Number: 44259587_L_1
Customer Ref: 13/659
National Grid Reference: 375770, 409290
Site: A
Site Area (Ha): 0.37
Search Buffer (m): 100

Site Details

9 Taylors Lane, BOLTON, BL2 6DS



Large-Scale National Grid Data Published 1992

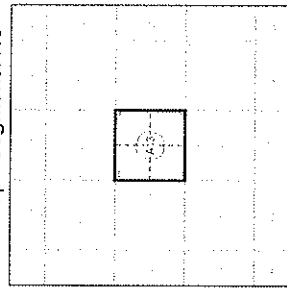
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SLM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the forerunners 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)

107599NW	107599NW	107599NW	107599NW
1992	1992	1992	1992
1:250	1:250	1:250	1:250
1:250	1:250	1:250	1:250
1:250	1:250	1:250	1:250
1:250	1:250	1:250	1:250
1:250	1:250	1:250	1:250
1:250	1:250	1:250	1:250
1:250	1:250	1:250	1:250
1:250	1:250	1:250	1:250

Historical Map - Segment A13

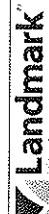


Order Details

Order Number: 44259587_1.1
Customer Ref: 13659
National Grid Reference: 375770, 409290
Site: A
Site Area (Ha): 0.37
Search Buffer (m): 100

Site Details

9 Taylors Lane, BOLTON, BL2 6QS



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Large-Scale National Grid Data Published 1994

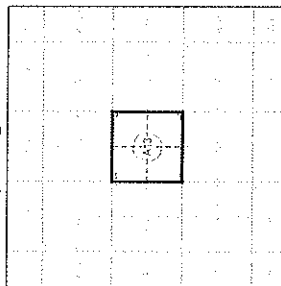
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SLM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1995. These maps were the 'core-turners' 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)

SD7508NE
1:1250
1:1:250

Historical Map - Segment A13



Order Details

Order Number: 44259587_1_1
Customer Ref: 131659
National Grid Reference: 375770, 409290
Site: A
Site Area (Ha): 0.37
Search Buffer (m): 100

Site Details

9 Taylors Lane, BOLTON, BL2 6QS



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APPENDIX 5

EnviroCheck Report