

Department of the Environment:
Contaminated Land Research Report

DOCUMENTARY RESEARCH ON INDUSTRIAL SITES

Prepared by RPS Consultants Ltd

CLR Report No 3

1994

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DEPARTMENT OF THE ENVIRONMENT

CONTAMINATED LAND: Identification, assessment and control

DOCUMENTARY RESEARCH ON INDUSTRIAL SITES

RPS CONSULTANTS LTD

This report is one of a series of reports financed under the contaminated land research programme of the Department of the Environment. The current series deals with: information needed to assess risks; procedures for categorising and assessing risks; and evaluation and selection of remedial methods.

The purpose of the reports is to provide regulators, developers and other interested parties with authoritative and researched advice on how best to identify and assess the problems contamination can pose and what can be done to tackle them. They cannot, however, address the specific circumstances of each site. Every site is unique. Anyone using the information in a report must, therefore, make appropriate and specific assessments of any particular site or group of sites. Neither the Department nor the authors can accept liability for the use or interpretation of the contents of any report.

General guidance on assessing contaminated land and developing remedial solutions which is complementary to the series is provided by the Construction Industry Research and Information Association (CIRIA).

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Cambridgeshire Record Office
Chas E Goad Ltd
China Clay Association
Clwyd Record Office
Cornwall Record Office
Derbyshire Record Office
East Midlands Electricity plc
Eastern Electricity plc
English Heritage
Geological Museum
Her Majesty's Inspectorate of Pollution
Health and Safety Executive
Kelly's Directories
Land Use Survey
Midlands Electricity plc
Mining Records Office
Ministry of Agriculture Fisheries and Food
Ministry of Defence
National Association of Mining History Organisations
National Library of Scotland
National Library of Wales
National Register of Archives
National Rivers Authority
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North West Water Ltd
Norweb plc
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Royal Commission on the Ancient and Historical Monuments of Scotland
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Documentary Research on Industrial Sites

1.0 INTRODUCTION

2.0 RESEARCHING THE HISTORY OF A SITE FROM DOCUMENTARY SOURCES: BASIC PRINCIPLES AND SOURCES

Purpose of the research

Types of information sought

Source material

Use and limitations of maps

Use and limitations of collated and other sources

Background knowledge

3.0 RESEARCHING THE HISTORY OF A SITE FROM DOCUMENTARY SOURCES: PROCEDURE

INTRODUCTION

STEP 1: ORDNANCE SURVEY MAPS

STEP 2: SUPPLEMENTARY MAP SOURCES

STEP 3: PRINCIPAL COLLATED SOURCES

**STEP 4: SUPPLEMENTARY COLLATED SOURCES AND OTHER
INFORMATION**

4.0. CASE STUDY

ANNEXES

A INDUSTRIAL ARCHAEOLOGY

B DETAILS OF SOURCES 1: PRINCIPAL MAP SOURCES (Ordnance Survey)

- B.1 OS 6" (1:10,560) and 1:10,000**
- B.2 OS 25" (1:2,500)**
- B.3 OS 1:1250**
- B.4 OS Town Plans**
- B.5 Ordnance Survey Indexing**
- B.6 Index maps**
- B.7 Identifying the published editions of County Series maps**
- B.8 Identifying relevant post-1946 maps**
- B.9 Boundary Changes**
- B.10 London**

C DETAILS OF SOURCES 2: SUPPLEMENTARY MAP SOURCES

Supplementary map sources based on Ordnance Survey

- C.1 British Geological Survey (BGS) Maps**
- C.2 Land Use Survey Maps**
- C.3 Soil Survey and Land Research Centre (SSLRC) Maps**

Maps other than those based on Ordnance Survey

- C.4 Directory Maps**
- C.5 Early County Maps**
- C.6 Estate Maps**
- C.7 Goad Fire Insurance Plans**
- C.8 Parliamentary Enclosure Maps**
- C.9 Plans of Public and Statutory Undertakings**
- C.10 Property Plans**
- C.11 Tithe Maps**
- C.12 Town Maps and Plans**

D DETAILS OF SOURCES 3: PRINCIPAL COLLATED SOURCES

- D.1 Directories**
- D.2 DoE Survey of Landfill Sites 1973/74 and 1988**

- D.3 Statutory Planning Registers
- D.4 Waste Disposal Site Licences
- D.5 Welsh Office Survey

E DETAILS OF SOURCES 4: SUPPLEMENTARY COLLATED SOURCES

- E.1 Aerial and Satellite Photography
- E.2 Consents for Discharges to Controlled Waters
- E.3 Consents for Discharges to Sewers
- E.4 Dedicated Sites for Disposal of Sludge
- E.5 Derelict and Despoiled Land Surveys
- E.6 Disposal of Diseased Animals
- E.7 Explosives
- E.8 Hazardous Substances Consents
- E.9 Industrial Sources
- E.10 Local Archives and Societies
- E.11 Local Knowledge
- E.12 National Record of Industrial Monuments
- E.13 Radioactive Substances
- E.14 Register of Authorisations under the Control of Air Pollution (Regulation of Works) Regulations 1989 SI318
- E.15 Registers of Authorisations under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991 SI472
- E.16 Registers of Scrap Metal Dealers
- E.17 Surveys of Mineral Workings
- E.18 Sites and Monuments Records (SMRs)

F DETAILS OF SOURCES 5: LOCATIONS AND AVAILABILITY OF INFORMATION:

- F.1 Association of Independent Museums
- F.2 Association for Industrial Archaeology
- F.3 British Gas
- F.4 British Geological Survey
- F.5 British Library Map Library
- F.6 Business Archives Council
- F.7 Chas. E Goad Ltd
- F.8 County Record Offices
- F.9 Geological Museum
- F.10 Health and Safety Executive (HSE)
- F.11 Her Majesty's Inspectorate of Pollution (HMIP)

- F.12 Kelly's Directories
- F.13 Land Use Survey
- F.14 Local Authorities
- F.15 Local Libraries and Museums
- F.16 National Library of Scotland
- F.17 National Library of Wales
- F.18 National Register of Archives
- F.19 National Rivers Authority
- F.20 Ordnance Survey
- F.21 Public Record Office
- F.22 Royal Commission on the Ancient and Historical Monuments of Scotland (RCAHMS)
- F.23 Royal Commission on the Ancient and Historical Monuments of Wales (RCAHMW)
- F.24 Royal Commission on the Historical Monuments of England (RCHME)
- F.25 Soil Survey and Land Research Centre
- F.26 Water Companies
- F.27 Welsh Office

G SELECTED READING LIST

- G.1 General Works on Historic Maps
- G.2 Ordnance Survey Maps
- G.3 County Maps
- G.4 Goad Fire Insurance Plans
- G.5 Tithe Maps
- G.6 Pilot Studies
- G.7 Map Repositories
- G.8 General Works on Industrial Archaeology
- G.9 National Industries
- G.10 Regional and Local Industries

APPENDICES

- APPENDIX 1** **Main Series of OS Published Maps and Plans and Maps of England and Wales showing History of OS County Series Mapping**
- APPENDIX 2** **England and Wales Ordnance Survey 25" Editions (1:2500)**
- APPENDIX 3** **OS County Series 25" Maps
Details of Revised Editions Subsequent to 3rd Edition**
- APPENDIX 4** **Maps of England and Wales showing OS published Town Plans**
- APPENDIX 5** **County Boundaries before 1974**
- APPENDIX 6** **Local Authority Boundaries in London before 1965**
- APPENDIX 7** **Goat Fire Insurance Plan Coverage**



Documentary Research on Industrial Sites

1.0 INTRODUCTION

Purpose of the report

- 1.1 This report provides guidance on the identification of the past uses of a site from maps and other documentary sources. The collection of information from these sources is normally the first stage of the process of establishing whether contamination resulting from industrial activities may be present on a site and the probable nature of such contamination.
- 1.2 The guidance is intended to be used by any organisation or individual responsible for assessing potential risks from contamination at a site. These may include local authorities and other regulatory bodies, landowners, developers, or their professional advisors.

Scope of the report

- 1.3 The report:
 - sets out basic principles for researching the history of a site from maps and other documentary sources
 - outlines a procedure for researching the history of a site from such sources
 - describes the types of documentary source from which relevant information may be obtained
 - gives details of the locations of these sources and their availability
 - provides examples of map interpretation
 - illustrates the procedure with a case study of the investigation of a typical site
- 1.4 It must always be borne in mind that every site is unique. The materials or features found at a site will reflect that site's individual history and the specific activities undertaken there. Documentary research can only provide

information on certain aspects of the history of a site, and thus help to establish whether any further investigation is needed and where such investigation should focus.

- 1.5 This report does not provide guidance on any aspect of site investigation or other work on site. Such guidance is provided in other publications by DoE and other organisations.

2.0 RESEARCHING THE HISTORY OF A SITE FROM DOCUMENTARY SOURCES: BASIC PRINCIPLES AND SOURCES

Purpose of the research

- 2.1 Research on the history of a site's industrial and other past uses is undertaken in order to:
- establish the likelihood of contamination being present and whether further site investigation is required
 - establish whether any special precautions are needed during site inspection or investigation
 - provide information required in the design of site investigation and/or remedial measures

Types of information sought

- 2.2 The types of information most commonly sought through documentary research to meet these objectives are the following:
- the history of industrial and other uses of a site
 - the processes used, including raw materials, products, waste residues and methods of disposal
 - the layout at each stage of a site's history, including locations of materials handling areas, buildings, underground structures, services etc
 - evidence suggesting the presence of wastes or other materials
- 2.3 The degree of detail required, and therefore the extent of research to be undertaken on the previous use of a site, depends on the nature and purpose of the research. For example, a search of OS maps alone may be sufficient to establish that a site has had a contaminative use (although in urban areas this would probably need to be supplemented by research on sources such as trade directories to provide supporting details).
- 2.4 More detailed research may be needed to confirm a former site use indicated by maps, to plan a site investigation, or to explain results from an investigation.

Source material

- 2.5 This report sets out details of sources of information on site uses in the following order:
- Maps (both Ordnance Survey and other)
 - Collated sources: data such as directories, records held by statutory bodies or other organisations
 - Other miscellaneous sources: literature or other information about industries or specific sites
- 2.6 Source documents in each of these types may be divided into:
- Principal sources: those which researchers are strongly recommended to consult in all cases
 - Supplementary sources: those which may provide useful additional information in particular cases

Use and limitations of maps

- 2.7 Historic maps are an indispensable source of information for research into a site's history, but there are many difficulties inherent in their use. Researchers must be aware that all maps are made for a specific purpose, and that this affects both their content and accuracy. Metrical accuracy is influenced by survey methods, printing and scale. Content may reflect the detailed specification for individual map series, the discretion of the surveyor, or the requirements of his client or customers.
- 2.8 England and Wales have been mapped by various individuals and organisations for many years. Activities which may cause contamination have been carried out for centuries, but realistically most sites subject to significant contaminative industrial uses will be identified by concentrating on the period since the late eighteenth century.
- 2.9 All maps omit or generalise some details, enlarge certain features to a minimum size, and use conventional signs to symbolise surface details. To obtain the maximum information from a map it is essential to be fully aware of the conventions, symbols and abbreviations used.

- 2.10 When referring to maps researchers must be aware that the date of survey may be considerably earlier than that of publication. Dates of original survey and subsequent revisions are indicated on OS maps and careful note should be made of these. There may also be various printings from the original plates, incorporating varying degrees of revision. The old series or first edition OS 1" maps, for example, have a long and complex history of re-printing. Annex B includes an outline of the history of OS mapping.
- 2.11 Some maps may be unreliable since incorporation of information from other sources frequently occurs on early maps. This is not generally a problem with OS maps which were surveyed to the highest standard from their inception.
- 2.12 All maps become progressively out-of-date. Other sources will therefore often be more comprehensive and up-to-date for recent uses of sites.

Use and limitations of collated and other sources

- 2.13 The principal collated sources are described in Annex D and comprise trade directories, registers of waste disposal site licences, statutory planning registers, and the DoE surveys of landfill sites. For Wales, the Welsh Office have carried out a partial survey of potentially contaminated sites.
- 2.14 Trade directories are usually available in local libraries and are most valuable for sites in urban locations where the information which can be obtained from maps regarding specific use of sites is often limited. Trade directories normally list the name of a business and a brief description of the nature of the products or activities. Some examples of typical entries indicating potentially contaminating uses are as follows:

Adhesive Manufacturer	Sheet Metal Merchants & Works
Anodisers	Ship Breakers
Anti-corrosion Treatments	Skein Silk Dyers
Asbestos Products	Small Arms Manufacturer
Battery Manufacturer	Soap Manufacturer
Bearings Manufacturer	Steel Manufacturer
Boiler makers	Stove Enamellers
Brass and Copper Tube Manufacturer	Synthetic Fibre Manufacturer
Brass Founders	Tar & Pitch Distillers
Carbon Products Manufacturer	Textile Manufacturer
Chemical Manufacturer	Thermometer Makers
Coal Merchant	Timber Merchant
Coppersmiths	Timber Preservatives Manufacturer
Descaling Contractors (Chemical)	Tinplate Worker
Detergent Manufacturer	Tyre Manufacture and Retreading
Dry Cleaners & Laundries	Vulcanite Manufacturer
Dyers & Finishers	Vulcanizers
Electrical Engineers	Waste Disposal Services
Electro-Platers	Zinc Sheet & Plate Manufacturer
Fertilizer Manufacturer	Zinc Worker
Foundries	
Fuel Manufacturer	
Gas Mantle Manufacturer	
Glass Manufacturer	
Gum & Resin Manufacturer	
Hide & Skin Manufacturer	
India Rubber Manufacturer	
Ink Maker	
Ironfounder	
Iron Works	
Lacquer Manufacturer	
Looking Glass Manufacturer	
Metal Coating	
Metal Sprayers & Finishers	
Oil Fuel Distributors & Suppliers	
Oil Merchants	
Paint & Varnish Manufacturer	
Pharmaceutical Manufacturer	
Printers	
Printing Ink Manufacturer	
Refiners of Nickel and Antimony	
Scrap Metal Merchants	
Sealing Compound Manufacturer	

- 2.15 Identification of premises in early directories may be difficult where street names and numbers of premises may have changed. It is usually possible to verify doubtful records by reference to features such as street junctions which remain in the same location. Problems of interpretation may arise where the address listed is the home address of a tradesman rather than the place of business. In city centre locations an address indicated as premises of an industrial concern may have been offices rather than a manufacturing facility.
- 2.16 The registers of waste disposal sites, and planning registers are available from the appropriate departments of local authorities. They also hold details of the DoE surveys of landfill sites for those sites in their areas. Local authorities will usually provide records of waste disposal sites in the area of interest on written request. In most cases an administrative fee is required. Planning registers are available for examination in the local planning authority offices. These registers are most useful in providing detail of the recent use of a site.
- 2.17 The Welsh Office survey is a useful starting point for identification of sites in Wales which have been subject to contaminative uses. However, it must be appreciated that it excludes all sites which were in active use at the time of survey and also in general all sites of less than 0.5 ha in area. Where "acutely contaminated sites" such as gasworks and tar lagoons smaller than 0.5 ha were identified they were also recorded. These limitations restrict the value of the survey and it should not be relied upon alone in seeking to identify past industrial uses of sites.
- 2.18 The remaining collated and other sources described in Annex E will usually only need to be consulted in circumstances where a detailed investigation of a site is being undertaken or where there are significant gaps in other records.

Background knowledge

- 2.19 The use of this guidance does not require any specific prior expertise or training. However a thorough and systematic approach to the work is required and background knowledge of the history and practice of mapping would be helpful.
- 2.20 Researchers concerned with a particular industry should seek to develop a general awareness of its development and distribution and the processes used to help them in the identification of features on maps, and selection of appropriate sources. Familiarity with industrial archaeology of areas or activities being researched will also be useful. Similarly, those concerned with sites in a particular area or region should gain familiarity with local industrial history.
- 2.21 Annex A provides background information on industrial archaeology.

3.0 RESEARCHING THE HISTORY OF A SITE FROM DOCUMENTARY SOURCES: PROCEDURE

Introduction

- 3.1 The degree of detail required and thus the extent of search of documents will depend on the nature and purpose of the research. If the research is part of a preliminary desk study then a search of OS maps as described in Step 1 below may provide sufficient information. In urban areas this will probably need to be supplemented by research of readily available written sources such as trade directories to provide sufficient details. If, having identified industrial uses on the basis of preliminary study, more detail of the history of the site is required then further work described under Steps 2 to 4 should be undertaken as appropriate.
- 3.2 It is important that a record of the data sources indicating industrial use of site is made and that any anomalies between sources or gaps in data are identified and recorded. Section 4 provides a case study describing the investigation of the history of a site from map sources.

STEP 1: ORDNANCE SURVEY MAPS

- 3.3 Annex B describes the background to OS mapping and how to establish the map editions of relevance to the site being investigated.
- 3.4 Researchers are recommended to consult:
- The 25" County Series and 1:2500 maps in all editions for the area of interest.
 - The 6" County Series and 1:10,000 maps in all editions where a broad area is being searched particularly in rural locations.
 - The 1:1250 maps in all editions where the site is in an urban area mapped at this scale.
- 3.5 Map editions should be searched in chronological progression, starting with the earliest coverage and ending with the most recent. This will allow the subsequent uses of sites where former industrial use has been discontinued to be recorded.
- 3.6 Three main types of information on OS maps can be used to identify industrial sites: names, abbreviations and symbols.

Names and Abbreviations

3.7 Three types of name are employed on OS maps:

- **administrative:** names of counties, districts, wards etc
- **descriptive:** names indicating the type or function of a site
- **distinctive:** the names of buildings or places.

3.8 Before searching historic maps, researchers should familiarise themselves with terms which may indicate industrial use of a site. Among the most common of these terms are the following:

Acid works	Oil refinery
Alkali works	Oil works
Chemical works	Refuse tip
Coke works	Refinery
Incinerator	Scrapyard
Gas works	Steel works
Landfill site	Tar works
Lead Smelter	Vitriol works
Lead works	Waste tip

3.9 The most useful names for identifying a site's uses are those given on the County Series maps which indicate the product or material manufactured or processed, e.g. **Lead works, Oil refinery**. Sometimes the distinctive name is combined with the descriptive name as a qualifier in brackets e.g. **Panther Works (Lead)** or **St Vincents Works (Steel)**.

3.10 However, often (particularly on more recent maps) only generic descriptive names are used, e.g. **Works, Factory, Mill** or **Quarry**. These may be a useful starting point for further research, but actual uses will need to be identified from other documentary sources.

3.11 Former or inactive sites are sometimes identified as "Old" or "(disused)/(dis)", e.g. **Old Works (Lead)** for a former lead smelter on the OS first edition 6".

3.12 Knowledge of industrial processes and terms, particularly those of the past, will often be helpful in identifying site uses, e.g. **Vitriol Works** (acid), and in avoiding misinterpretation, e.g. **Redcliffe Crown Oil Mills** (producing seed oils, not mineral oil).

- 3.13 Distinctive names may incorporate some obvious indications of use or indicate close proximity to a site (e.g. **Gasworks Lane**). Others may however be less obvious, particularly those incorporating regional terms. Many areas have unique regional terms by which some industrial sites could be identified.
- 3.14 Researchers may find it useful to use their experience of searching maps to compile lists of relevant terms, and these should be regularly reviewed and revised.
- 3.15 The OS use a standard list of abbreviations for names on maps. Those relevant in researching industrial use of sites including the following.

Colliery	Colly
Disused	Dis
Dock	Dk
Electricity Generating Station	El Gen Sta
Electricity Sub Station	El Sub Sta
Electricity Transformer	El Tfmr
Electricity Transformer Station	El Tfmr Sta
Electricity Works	El Wks
Engineering Works	Eng Wks
Filter Bed	FB
Gas Valve Compound	GVC
Generating Station	Gen Sta
Lime Kiln	LK
Locomotive Shed	Loco Shed
Railway	Rly
Railway Station	Rly Sta
Remains of	Rems of
Reservoir	Resr
Tank	Tk
Valve	V
Valve House	V Ho
Water Tower	Wr Twr
Water Works	Wr Wks
Works	Wks

Symbols

- 3.16 Figure 1 in Annex A includes **symbols** used on large scale maps which may be of particular value in site research.
- 3.17 It is useful to be able to recognise symbols denoting quarries or tips (hachuring, "spoil", "rock-face" or pecked lines), as they are not always accompanied by descriptive or distinctive names.

Other indicators

- 3.18 The disappearance of cut features such as pits, quarries or canal basins and river diversions between map editions may indicate landfills. The form and extent of old or landscaped waste disposal sites may be indicated by anomalies in the contour pattern even if such features are not specifically described, as OS draughtsmen break contours on the perimeter of disturbed ground and do not carry them across such areas.

Transferring data from maps

- 3.19 Details of the location and layout of a site from historic or contemporary maps will usually need to be transferred to a base map on which data from different sources can be shown.
- 3.20 The boundaries of the site must be identified and located accurately and to scale on the base map. Site transfer from historical maps to the base map can be achieved by manually scaling up or down as necessary and locating the site by reference to common features on both maps, or if the map is to the same scale by use of a tracing or overlaying the maps on a light table. Slight boundary adjustments may be necessary during transfer if it is apparent that inaccuracies cause poor correspondence between maps. OS maps can be relied upon to be accurate and where other maps differ from these it should normally be assumed that the OS map is more reliable. A site visit may assist in resolving uncertainty over boundaries. Where it is essential that boundary differences are accurately resolved it may be necessary to refer the problem to a professional cartographer.
- 3.21 Where base maps or source maps are in copyright the necessary consent of the holder of copyright should be obtained for copying.

Sites poorly identified on OS maps

- 3.22 Particular categories of site may be poorly identified on OS maps. These include:
- Slag heaps and refuse tips: Active features are usually described on modern large-scale maps as 'Slag Heap', 'Refuse Tip' etc. Inactive features may be described as 'Tip (disused)'. However, inactive features which are old and have merged into the landscape or have been graded and landscaped are likely to be treated as natural features and their former use will not be identified.

- Modern industrial uses: The range of descriptive names on modern large-scale maps is considerably less than that on the County Series. This makes the identification of sites subject to contaminative uses difficult unless the maps are used in conjunction with other sources. Sites indicated by general terms such as "Factory" and "Works" should be investigated further to determine the actual use.
- Small-scale trades and businesses: These premises are not usually identified on OS maps.
- Sites currently or formerly of military significance: No details are published of high security sites apart from natural features, electricity lines or public rights of way. The types of site affected by security classifications have changed over time but have included some manufacturing, storage and research facilities as well as military bases.
- Overhead and underground features: Large scale maps usually represent only permanent detail at ground level, and overhead or underground features are only mapped in special circumstances. Details of industrial sites such as pipelines or chimneys which do not constitute an obstruction at ground level are therefore normally omitted. Underground objects or spaces such as tanks, cellars or mineral workings, which may be used for storage or disposal of materials, will also usually be omitted.

STEP 2: SUPPLEMENTARY MAP SOURCES

3.23 If, having identified industrial uses on the basis of study of OS maps, more detail of the use of the site is required then other large scale (and in some instances smaller scale) maps, which may improve the chronological coverage or provide additional information, may need to be consulted. These sources include a range of maps produced for specific purposes and are described in Annex C.

STEP 3: PRINCIPAL COLLATED SOURCES

3.24 In some cases, information of the types available from collated and other non-map sources is needed to establish the historic uses of the site.

3.25 Principal collated sources comprise directories and registers for regulatory purposes. They are described in Annex D.

- 3.26 Trade directories are particularly valuable in identifying previous uses of sites in densely developed urban areas where little detail is shown on OS maps. Directories were normally annual publications and for many urban areas publication commenced in the early 19th Century. Local libraries usually hold collections although they may not be complete. Where complete sets are available it will normally be sufficient to initially review volumes published at approximately 10 year intervals. Intermediate volumes can be used to provide further detail where required. Tables should be compiled showing all uses of the property or properties of interest. Care should be taken to ensure that changes in numbering of properties are identified. This is often possible by reference to factors such as street junctions which are usually indicated. In some cases it will not be possible to resolve numbering problems and the specific use of individual properties will not be evident. In such cases all uses which may have occurred on the site of interest should be recorded.
- 3.27 Local authority planning registers contain details of all planning consents issued in relation to a site under the Town and Country Planning legislation. This will include the name of the occupant of the site which may itself be valuable in determining its use. Planning consents may have been issued for process plant, storage facilities, materials handling equipment, etc. all of which will be important information relating to use of the site. The planning register is particularly valuable for more recent uses when little detail is presented on OS maps, for example, where sites are indicated simply as "Factory" or "Works".
- 3.28 Registers of waste disposal sites provide detail of licenced sites normally by reference to maps of the local authority district. The normal means of obtaining information is by providing a plan indicating an area of search to the local authority who will then provide details of records within that area.
- 3.29 Maps are the basic tools for identifying and recording previous uses and the collated sources will normally be consulted following the map search. However where time for research is limited the map research and reference to collated sources may be carried out in parallel.
- 3.30 As for the map sources, the search of collated sources should be systematic and information methodically recorded. In many cases the search will confirm or amplify information on site use obtained from the map sources.

3.31 Where new sites are identified from these sources it may not always be possible to identify their exact locations on maps as a result of a lack of sufficient detailed information. Even when a detailed address or grid reference is given for a site, information in a collated source on its extent and boundaries is likely to be lacking. A site visit may be valuable in establishing further detail.

STEP 4: SUPPLEMENTARY COLLATED SOURCES AND OTHER INFORMATION

- 3.32 Reference to the various sources detailed in Annex E will only usually be necessary where there are gaps in other records or where detailed research of a site's history is being undertaken. Details of the information available in these sources is given in Annex E and access to locations in Annex F.
- 3.33 Many of these sources, such as discharge consents, explosive licences and similar documents provide an indirect indication of site uses but may not enable specific processes to be identified. In some instances the nature of the business will be clear from the name of the company to whom the licence is granted.
- 3.34 Some processes are required to be authorised under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991 (SI 1472). The applications for these authorisations normally contain considerable detail of the process and are valuable sources for relevant industries.
- 3.35 In addition to the sources listed at Annex E valuable information on specific sites and industries may be available from technical and trade documents contemporary with the historical operations carried out at the site. Existing owners may have old plans and documents which provide useful information. However, in many cases, as sites have developed and new facilities been constructed, old documents showing previous site layouts will have been destroyed.

4.0 CASE STUDY

Introduction

- 4.1 The following case history is based on part of a consultant's report relating to the redevelopment of a former industrial site. Some minor amendments to the text have been made in order that it may be read independently of the rest of the report and other associated documents.

**Site History Case Study from "Oldham Broadway Stage 1 Geotechnical Report".
Prepared by Ove Arup and Partners for Oldham Metropolitan Borough Council**

THE SITE

Location

The Site is located about 3 km west the centre of Oldham and is centred around National Grid Reference of SD 8904 (see Figure 1). The boundaries of the Site as a whole are shown in Figure 2. The Site is bounded in the west by railway, in the north by Grimshaw Lane and in the south by Broadway. The Rochdale Canal forms the eastern boundary in the south of the Site. The Site as a whole covers about 54 hectares.

History

The history of the Site has been split into two areas viz. Area 1 and Area 2 as shown on Figure 2.

History of Area 1

The Tithe Plan dating from about 1840 to 1848, at a scale of approximately 25 inch to 1 mile, shows no industrial development on the Site. There are, however, some farm buildings in various locations. A number of what are believed to be ponds are shown straddling field boundaries. These may have been used for watering livestock. A large pond or possibly what could be classed as a reservoir is shown adjacent to the Rochdale Canal towards the boundary between Areas 1 and 2.

The Rochdale Canal, which was officially opened in December 1804, runs through the Site as a whole. At the north end of Area 1 the Canal widens out with an irregular shaped western bank adjacent to the large pond referred to above.

The 1848, 6 inch to 1 mile, edition Ordnance Survey (OS) map which is at a smaller scale than the Title Plan does not provide further detail.

The next edition of the OS map is from 1891 at a scale of 25 inch to 1 mile (Figure 3). This only shows two additions compared to the Tithe Plan. The large pond is labelled as a reservoir. To the south of the wider section of the Canal a marshy area is shown.

There are no changes from the 1891 edition shown on the 1909, 25 inch to 1 mile, OS map.

On the 1922, 25 inch to 1 mile, edition OS map a number of the smaller ponds are indicated as being deleted. The locations of one large building in the centre of the Area and a number of similar buildings towards the south appear to have been hand drawn on to the map. It can only be assumed that their inclusion was probably for planning purposes. Additionally, a railway line branching from the main railway bounding the west of the Area with associated sidings has been hand drawn.

The next edition OS map is from 1930 at a scale of 25 inch to 2 mile (Figure 4). The hand drawn buildings on the 1922 map are not shown together with a number of the railway sidings. The branch railway line, however, is now a definite feature crossing the centre of Area 1 in a north-west, south-east direction before crossing the Rochdale Canal via an overbridge to the HM Stationery Office. The major change between 1922 and 1930 is the addition of two large structures in the centre of the Area adjacent to the Canal with railway sidings joining them to the main railway line. From investigations into the history of Chadderton Power Station, it was discovered that the two structures comprised an old coal fired power station which we have termed the 'A' Power Station (PS). The railway sidings presumably would have been used to deliver coal to the 'A' PS and possibly to remove the ash after burning the coal in the boilers.

The 1930 map also shows an access road to the 'A' PS running from the Brierley Bridge on Broadway initially adjacent and parallel to the Rochdale Canal until reaching the overbridge to HMSO then trending north-west to the 'A' PS. A pump house is shown on the side of the Canal immediately south of the widened zone of the Canal which is now shown as marsh. The pump house is assumed to have supplied cooling water to the 'A' PS. A square reservoir is shown at the northern boundary of Area 1 and a cable bridge crossing the Canal adjacent to the PS. The large pond at the north end of the Area does not now exist.

The 1933, 1:25,000 edition OS map which is at a smaller scale than the 1930 map does not give any additional information. The 1956, 1:10560 edition OS map does not show much detail since we believe that at this period the main power station was under construction and hence was not surveyed (Figure 5).

A visit was made to view microfilm records held by the CEGB in Stockport. Copies of four drawings relating to the 'A' PS were obtained. The dates of these drawings suggest that the PS was constructed about 1925 - 27 for Oldham Corporation. The 1948 aerial photographs show that there were six rectangular cooling towers believed to be constructed from wood and eight chimneys. These photographs show three areas of fill. One of them appears to comprise coal for the 'A' PS while the other two may have contained ash from the 'A' PS. A 1963 drawing shows proposals for constructing oil storage tanks presumably to convert the 'A' PS from coal to oil firing. From our studies, it is believed that the oil tanks were not actually built. Aerial photographs indicate the 'A' PS was still active in 1953 but that some time between 1959 and 1975 it was demolished. Details of the foundations used are not known.

The 1978, 1:10,000 edition OS map (Figure 6) shows the main power station or 'B' PS as we have termed it. The railway sidings show a different configuration to before and have been extended south east to the A663 (Broadway). One of the sidings to the south west of the 'B' PS runs in a semi-circular loop around the coal store for the 'B' PS. The two currently existing switchyards are shown towards the south of the Site. On the east bank of the Rochdale Canal, three circular cooling towers are located with two bridges over the Canal connecting them to the main station. A number of overhead power lines are indicated.

A number of drawings were obtained from the CEGB relating to the 'B' PS. It is understood that the 'B' PS included four turbine/alternators each of 60 megawatt capacity. The station was planned for coal firing with eight boilers although it has been established that only seven boilers were installed. Three concrete cooling towers of approximately 60m diameter were constructed. Details of the foundation types employed for the 'B' PS are not known apart from the main building (boiler house/turbine house) for which one cross-sectional drawing was obtained from the CEGB. This indicates that the main building was probably constructed on piles. From recent discussions with piling contractors, it is likely that Franki piles were the type used. Franki piles are cast in-situ driven concrete piles. The pile lengths and diameter, however, are not known. From our knowledge of the ground conditions, it is presumed that the cooling towers would also have been founded on piles and possibly the administration/office block. It is difficult to assess whether the smaller ancillary structures would be piled or not.

The aerial photographs show that the 'B' PS was constructed in two parts; the southern half between 1949 and 1953 and the northern half between 1954 and 1959. In 1953 the central cooling tower had been constructed and the southern one was under construction. By 1954 both towers were operating. The 1959 aerial photograph shows the northern tower constructed and operational.

About 1975 two oil storage tanks with surrounding spillage containment walls were constructed to the north west of the coal store. In 1984 the CEGB sold the power station to George Dew & Co. Figure 7 shows an aerial photograph from 1984. George Dew & Co subsequently purchased the block and the workshop/stores building. OMBC then purchased the site from Dew. Recently the admin/office block was demolished under OMBC's direction.

History of Area 2

The Tithe Plan from 1840 to 1848 shows the presence of the Slacks Valley Chemical Works (Figure 8). This is located on the southern half of the Area to the west of the Rochdale Canal. One of the buildings is sited adjacent to the Canal and may have been a depot for loading and unloading materials transported by canal barge. To the east of the Canal, two streams, flowing from the north and south respectively, merge and are then culverted under the Canal to emerge just to the north of the Chemical Works. This stream then is culverted under the main railway. A track is shown to run directly north-south from Grimshaw Lane to the Chemical Works via a bridge over the stream.

Details of the types of buildings associated with the Chemical Works are not known. In the 'Chadderton Chapters' by Lawson (1972) it is noted that the Works produced vitriol (sulphuric acid or the salts of sulphuric acid) from 1800/1825 to 1890/1905. The existing railway signal box in this area is named 'Vitriol Works'.

The 1891 OS map (Figure 9) still shows the Chemical Works although the arrangement is somewhat different to the Tithe Plan. The symbol for tipped material is evident in three locations which probably represents stockpiles of raw materials for the Chemical Works or waste products. The access track from the north is still present together with the streams and culverts. The main railway is shown to be on an embankment from Grimshaw Lane in the north to the boundary with Area 1 in the south. The Rochdale Canal is also shown on an embankment from Swan Mill in the north to about the centre of the Chemical Works in the south. On the west side and adjacent to the Canal between the Chemical Works and the Area 1/Area 2 boundary there is a reservoir and a group of buildings titled the Gibraltar Soap and Candle Works.

At the extreme north end of the Site next to Grimshaw Lane is a group of buildings which appears to be the current day scrap metal dealers and a second group of building which are probably terraced houses.

By the time of issue of the 1909 OS map (Figure 10) the Chemical Works with the exception of one building is not present. It is not known whether the Works were partly or totally demolished. The main railway embankment has been extended eastwards from its 1891 position and the tipping symbol is shown at the north end of the Area near the Canal. To the east of the Canal two sewage works are shown, the one nearest the Canal being for Chadderton UDC and the other for Oldham Corporation. The southern stream previously referred to is now in the form of an open culvert which flows through the Chadderton UDC Sewage Works before being culverted under the Canal. The culverted stream appears to be as currently exists.

The 1922 OS map (Figure 11) shows the main railway embankment to have been extended further eastwards to about the north-south access track. A number of new sidings have been built on the embankment. The Soap and Candle Works are shown deleted but it is not known if and how they were demolished. A number of amendments to the Sewage Works are shown, the main one being the addition of 12 No. circular filter beds. By 1930 one large zone mainly in the south of the Area has been tipped on; the symbols for tipping being evident (Figure 12). A railway siding is shown running along the top of the tipped face. Presumably the tipped materials were brought in by rail. The open culverted stream in the centre of the Area (Wince Brook) has still not been tipped over. The reservoir towards the south of the Area is now not present. Nine rectangular filter beds have been added towards the south of the Sewage Works adjacent to the Canal.

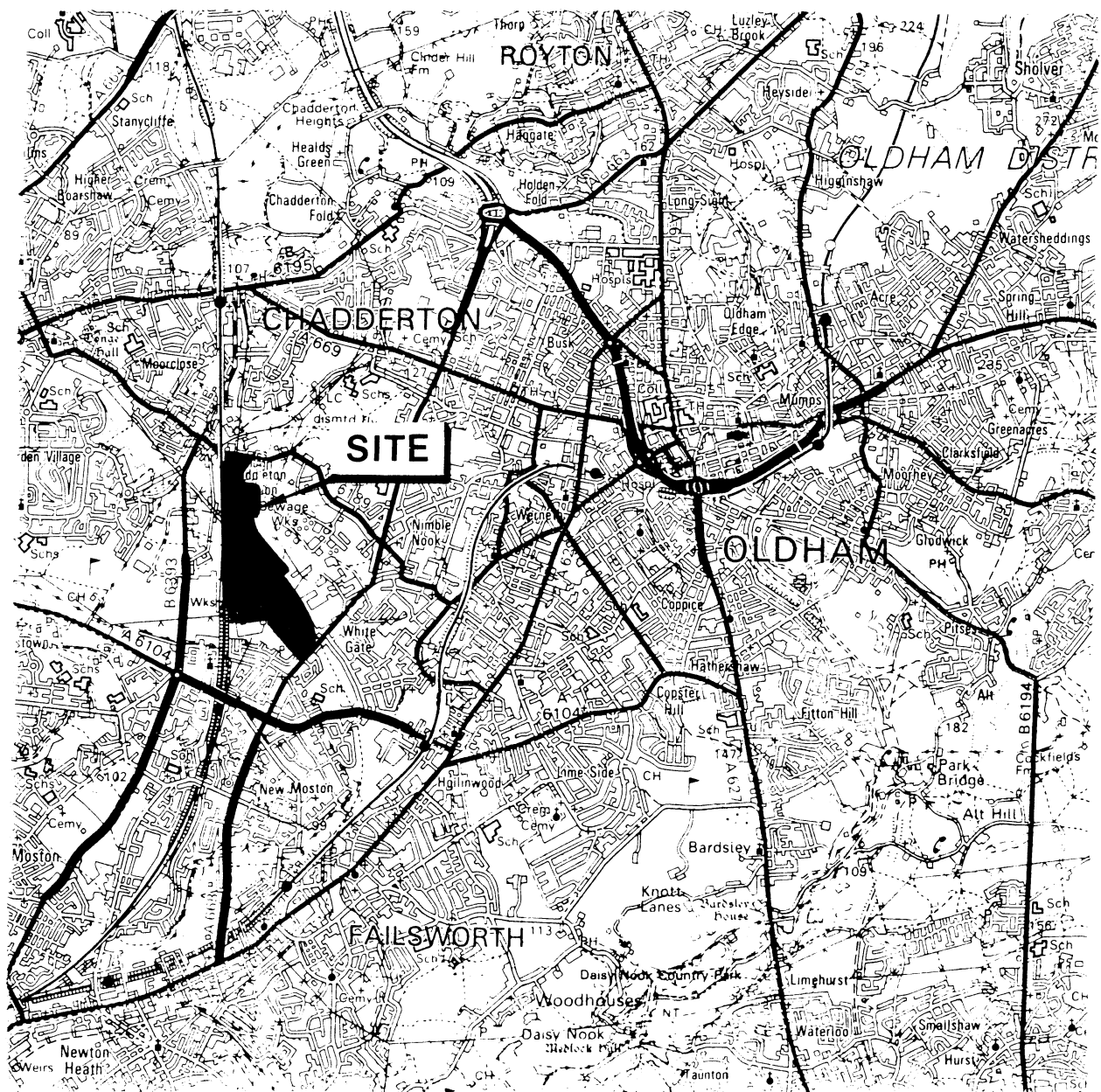
The 1956 OS map (Figure 5) shows the terraced houses at the north end next to Grimshaw Lane to have been replaced by another building. The area of tipping north of Wince Brook has extended near to the Canal which is still shown on an embankment in the vicinity of Wince Brook. The Brook is shown uncovered with an overflow channel leading to it from the Canal. Ownership of the Sewage Works has now reverted to Oldham Corporation.

At the time of the 1975 aerial photographs, with the exception of Wince Brook and six rectangular settling tanks, the remainder of the Sewage Works appeared to be unmaintained and overgrown with vegetation. In addition, fill had been placed over the eastern part of the Works. It is understood that this fill comprised domestic refuse. Between 1957 and 1975 the Wince Brook was culverted over.

On the 1978 OS map (Figure 6) the majority of Area 2 to the west of the Canal except for the north end is indicated as being a tip. It is understood from OMBC that the tip received domestic refuse until about 1974. Also a tip is shown as part of the Sewage Works. The building at the extreme north west corner, shown on the 1956 map, has now been removed.

By the time of the 1979 aerial photographs the area containing the six rectangular tanks had been backfilled and graded level to the same elevation as that of the banks of Wince Brook. It is not known whether the tanks were removed prior to backfilling.

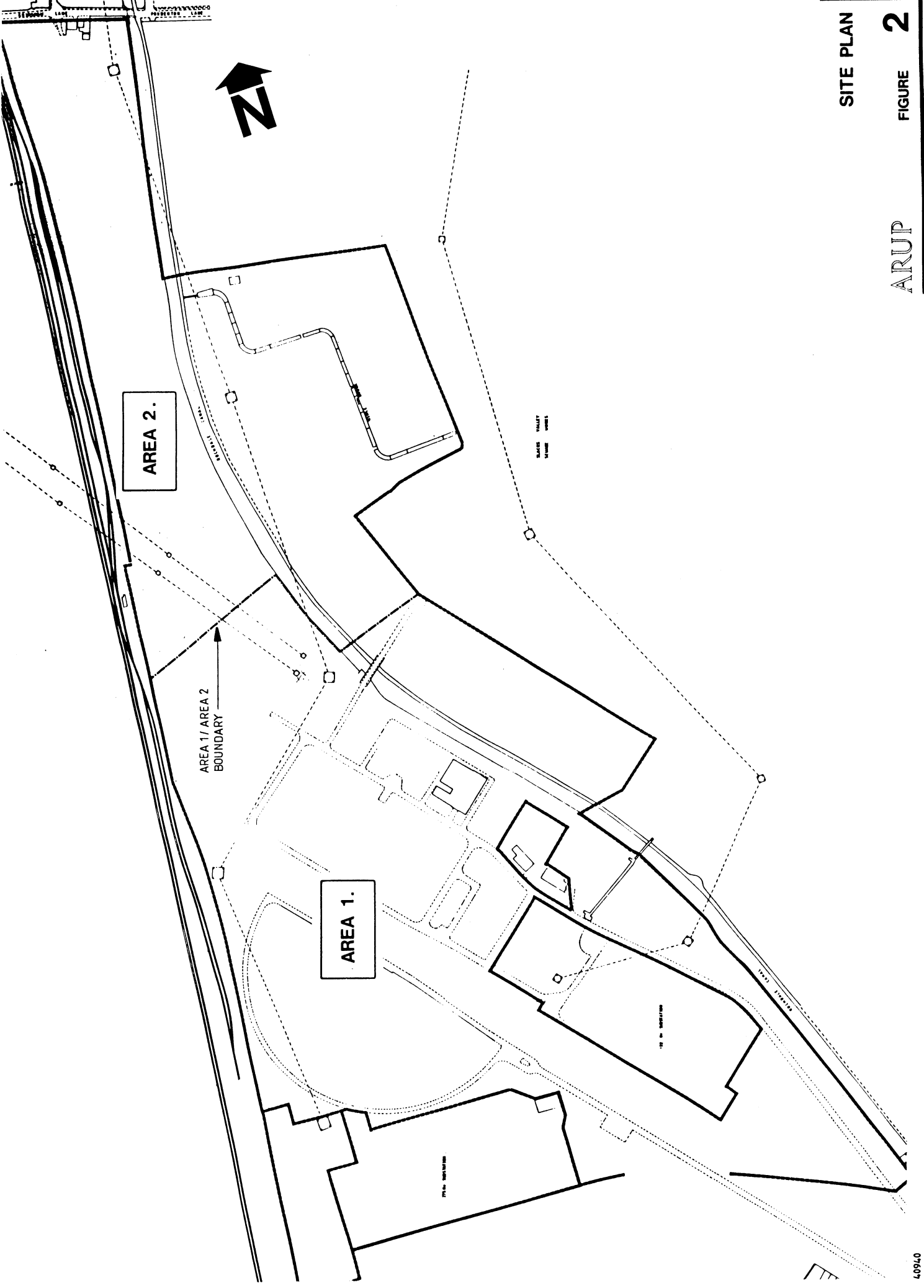
It is understood from OMBC that fairly recently dredged materials from the Rochdale Canal bed to the north and south of the Site have been tipped adjacent to the west bank of the Canal in Area 3. A number of raised manholes are currently visible in this area. The dredged materials were deposited in custom built lagoons and the manholes had been raised to allow for the volume of dredgings likely to surround them. However, the volume of dredgings was less than predicted and hence the manholes were left proud.



CROWN COPYRIGHT RESERVED.

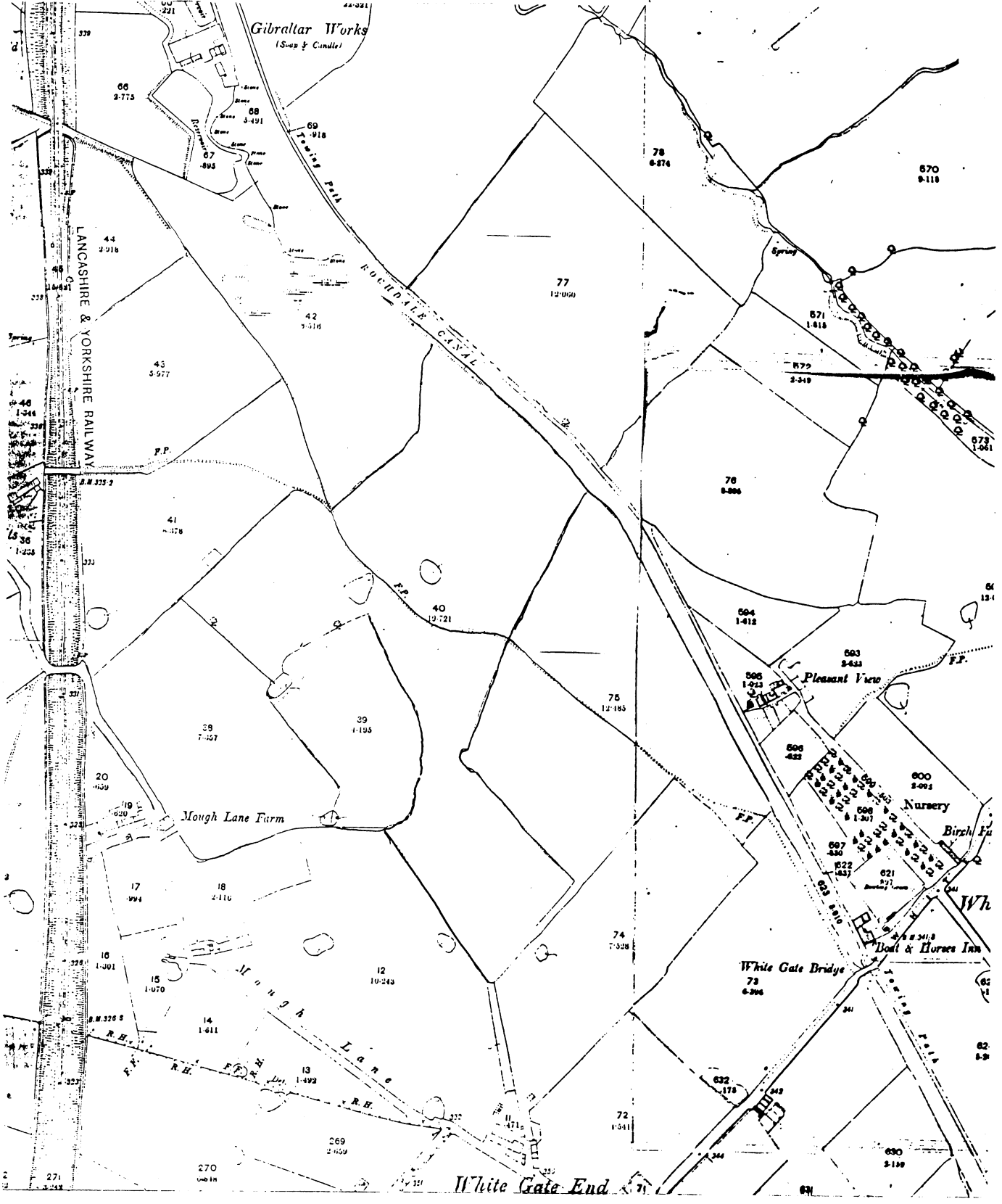
SCALE 1 : 50 000

LOCATION PLAN



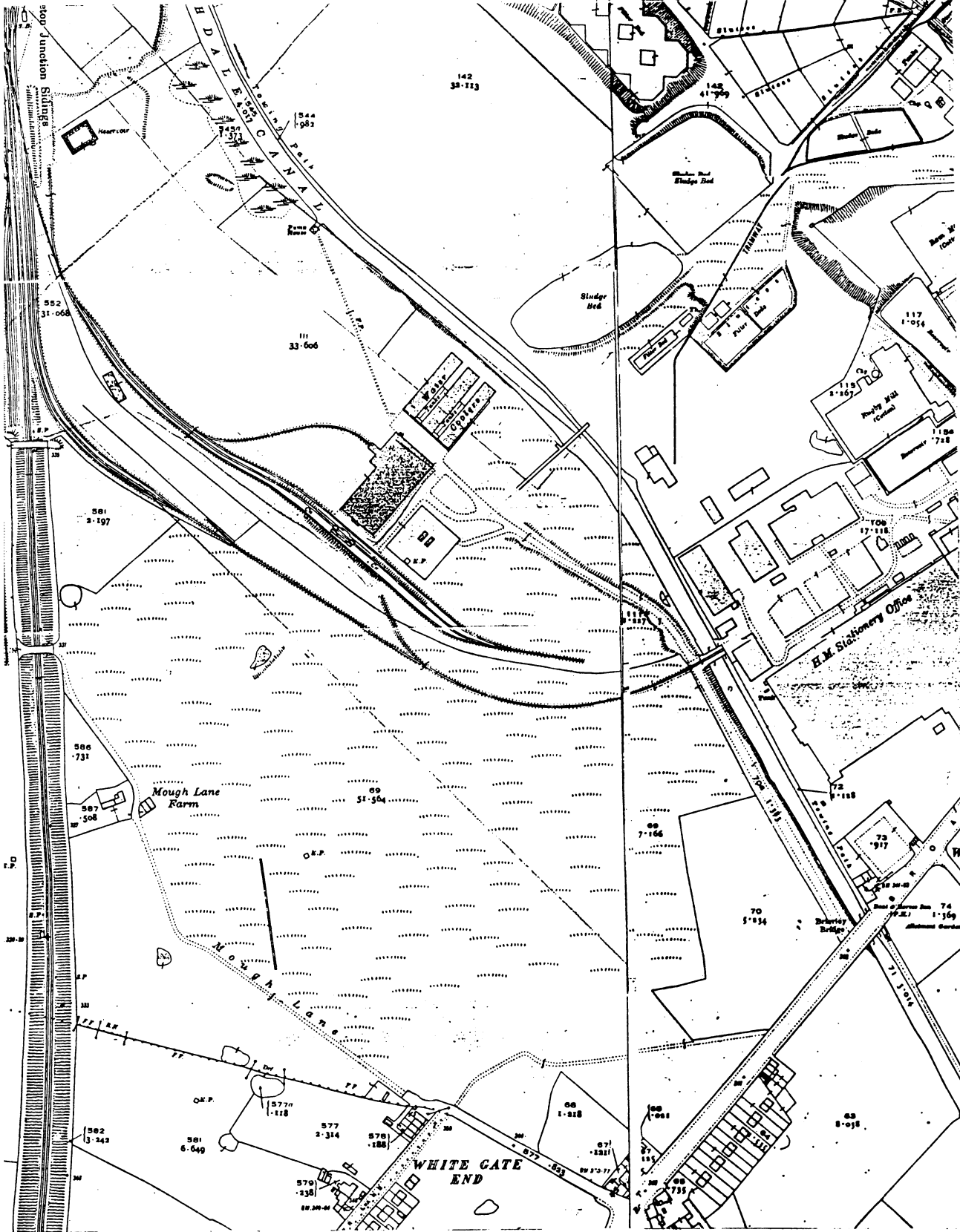


ARUP



SCALE ORIGINALLY 1:2500 REDUCED TO 1:3250

CROWN COPYRIGHT RESERVED.



SCALE ORIGINALLY 1:2500 REDUCED TO 1:3250.

CROWN COPYRIGHT RESERVED.

AREA 1
O.S. MAP 1930

4

ARUP
FIGURE



CROWN COPYRIGHT RESERVED

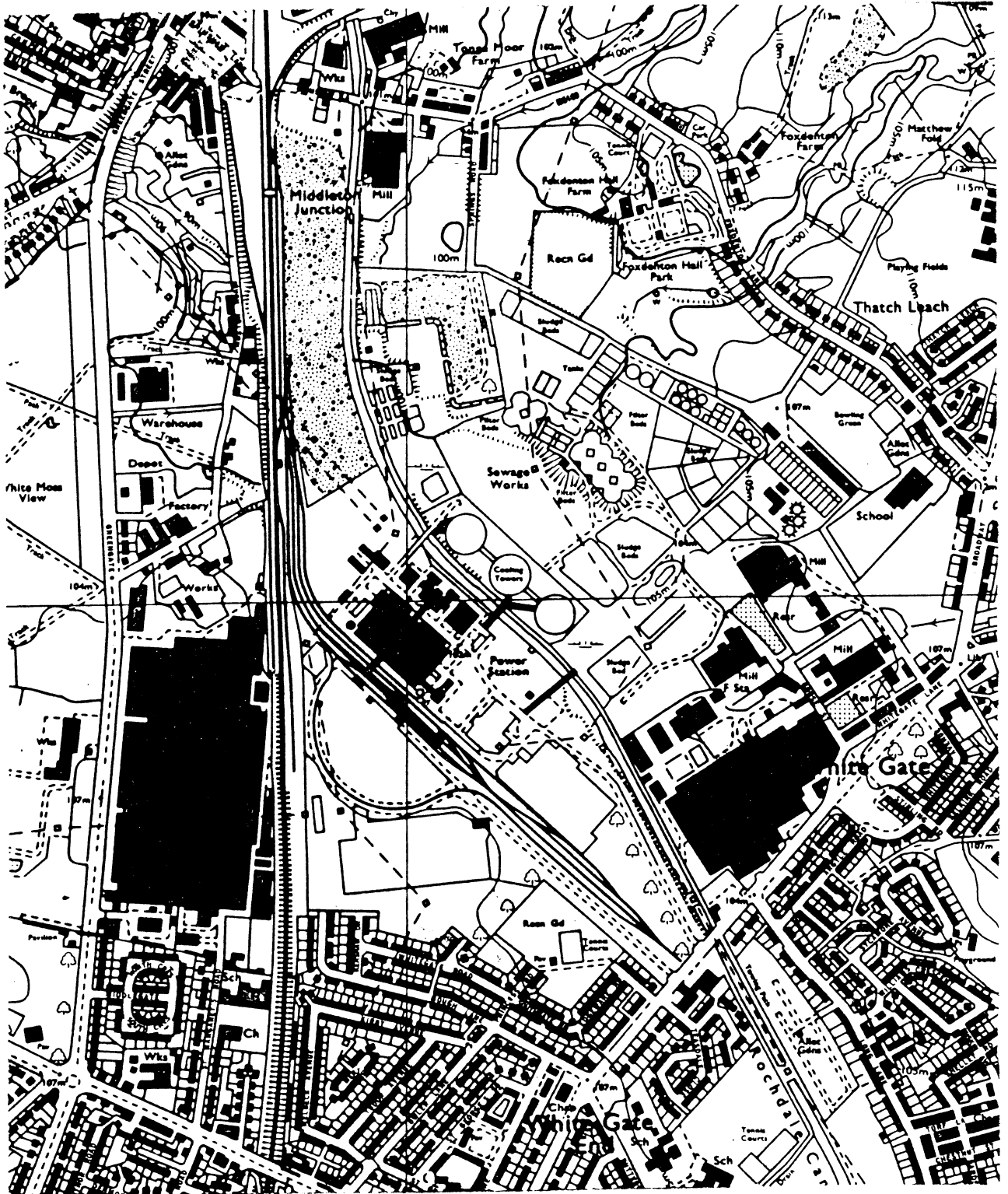
SCALE 1:10560

AREAS 1 & 2
O.S. MAP 1956

ARUP

FIGURE

5



CROWN COPYRIGHT RESERVED

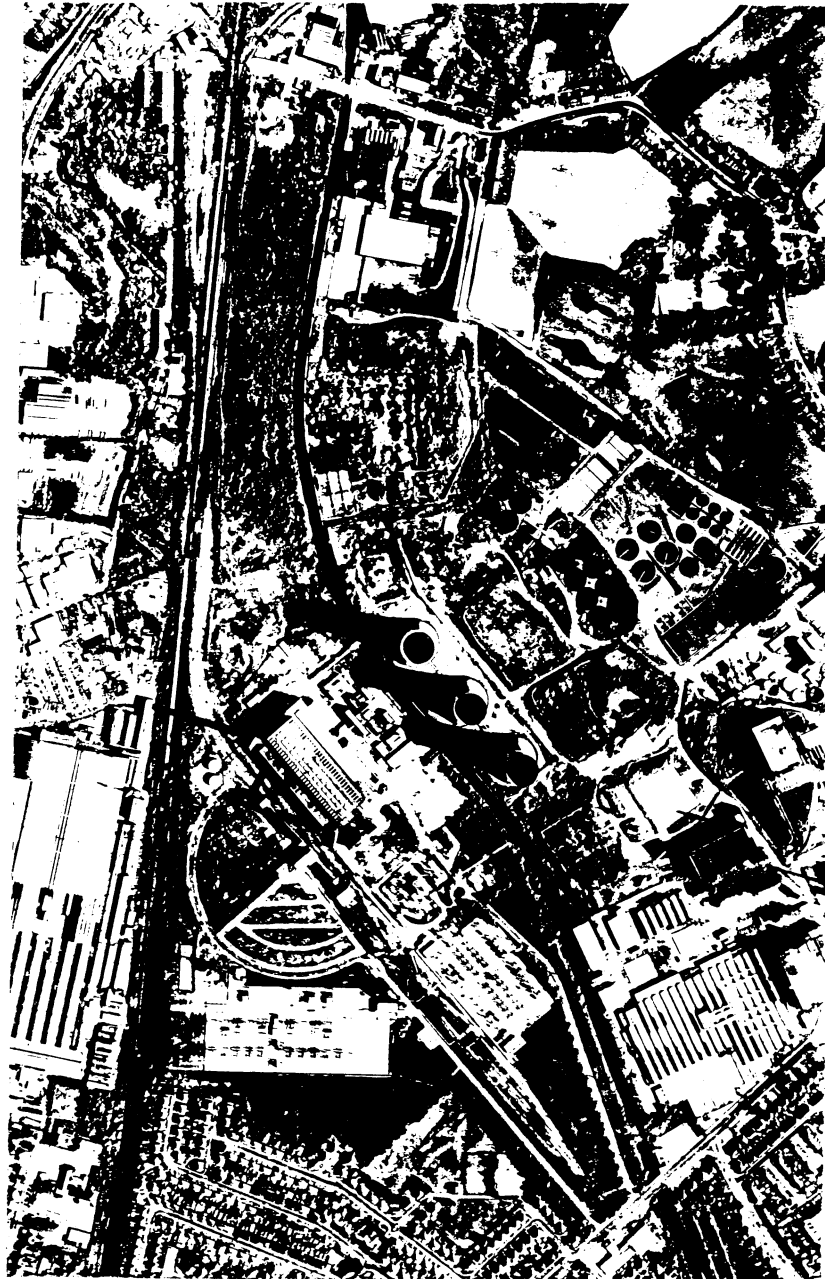
SCALE 1:10000

AREAS 1 & 2
O.S. MAP 1978

ARUP

FIGURE

6



COPYRIGHT : JAS AIR

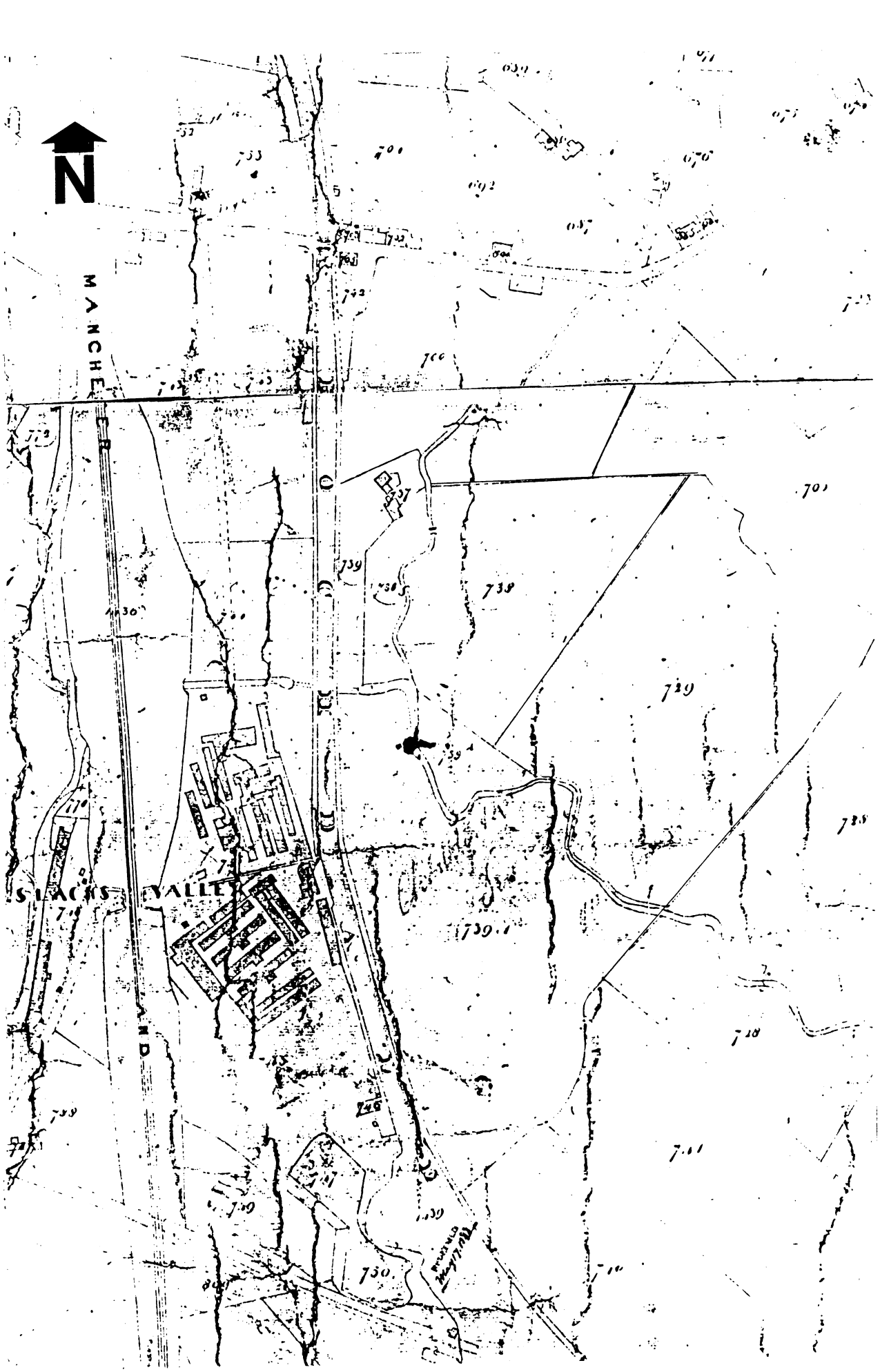
SCALE 1 : 10 000

AREAS 1 & 2.
AERIAL PHOTOGRAPH 1984

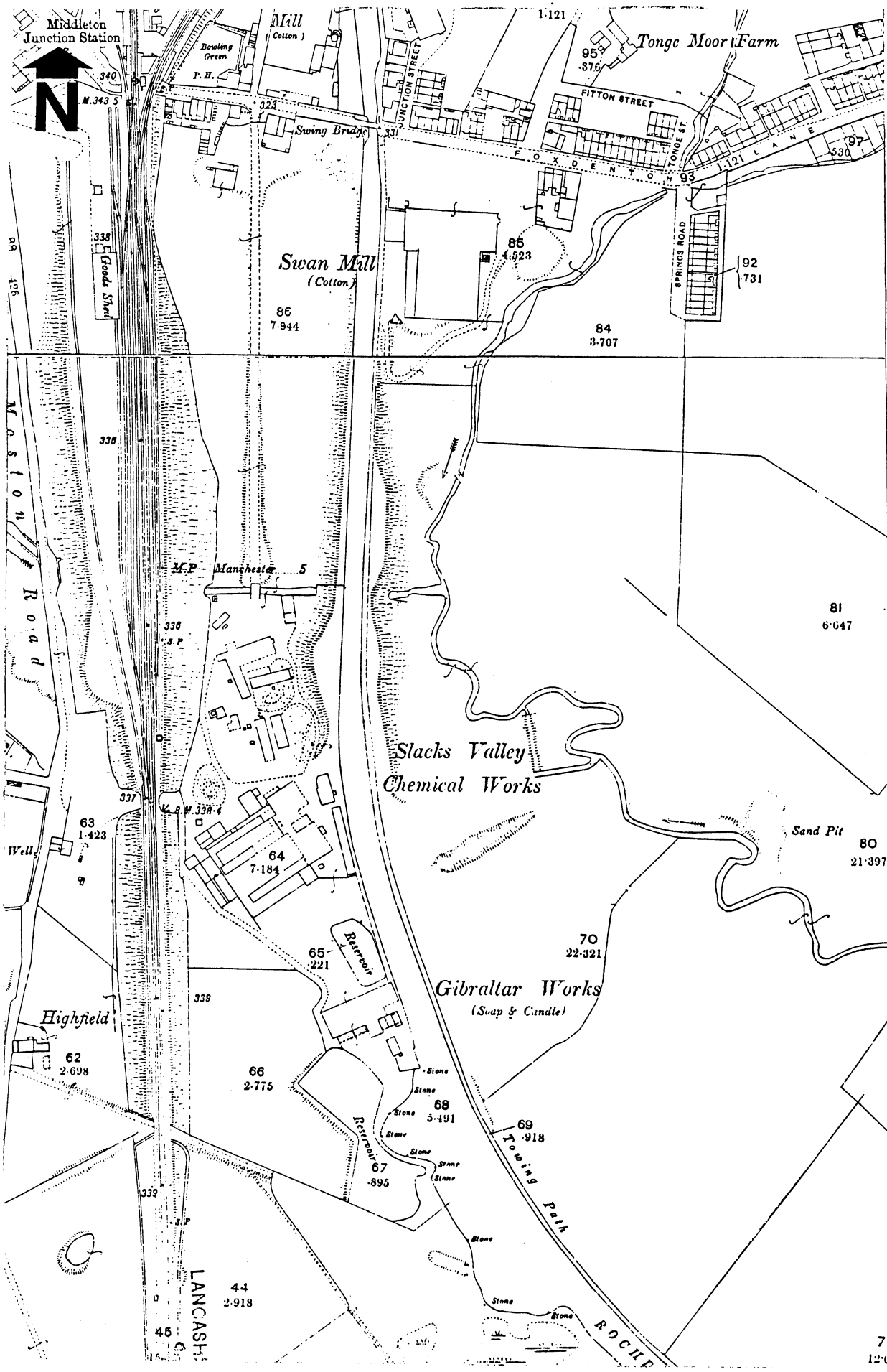
ARUP

FIGURE

7

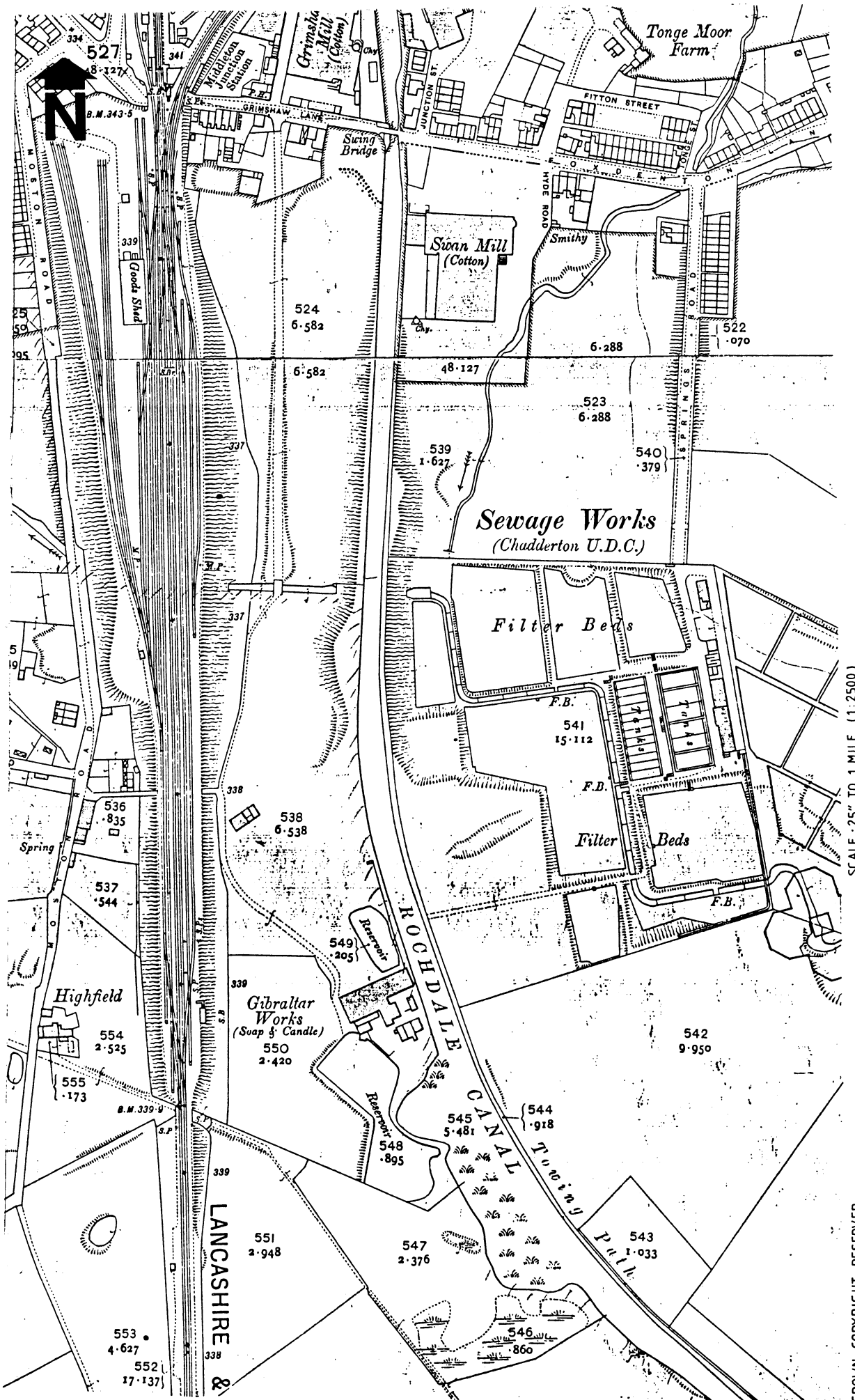


SCALE .25" TO 1 MILE APPROXIMATELY.



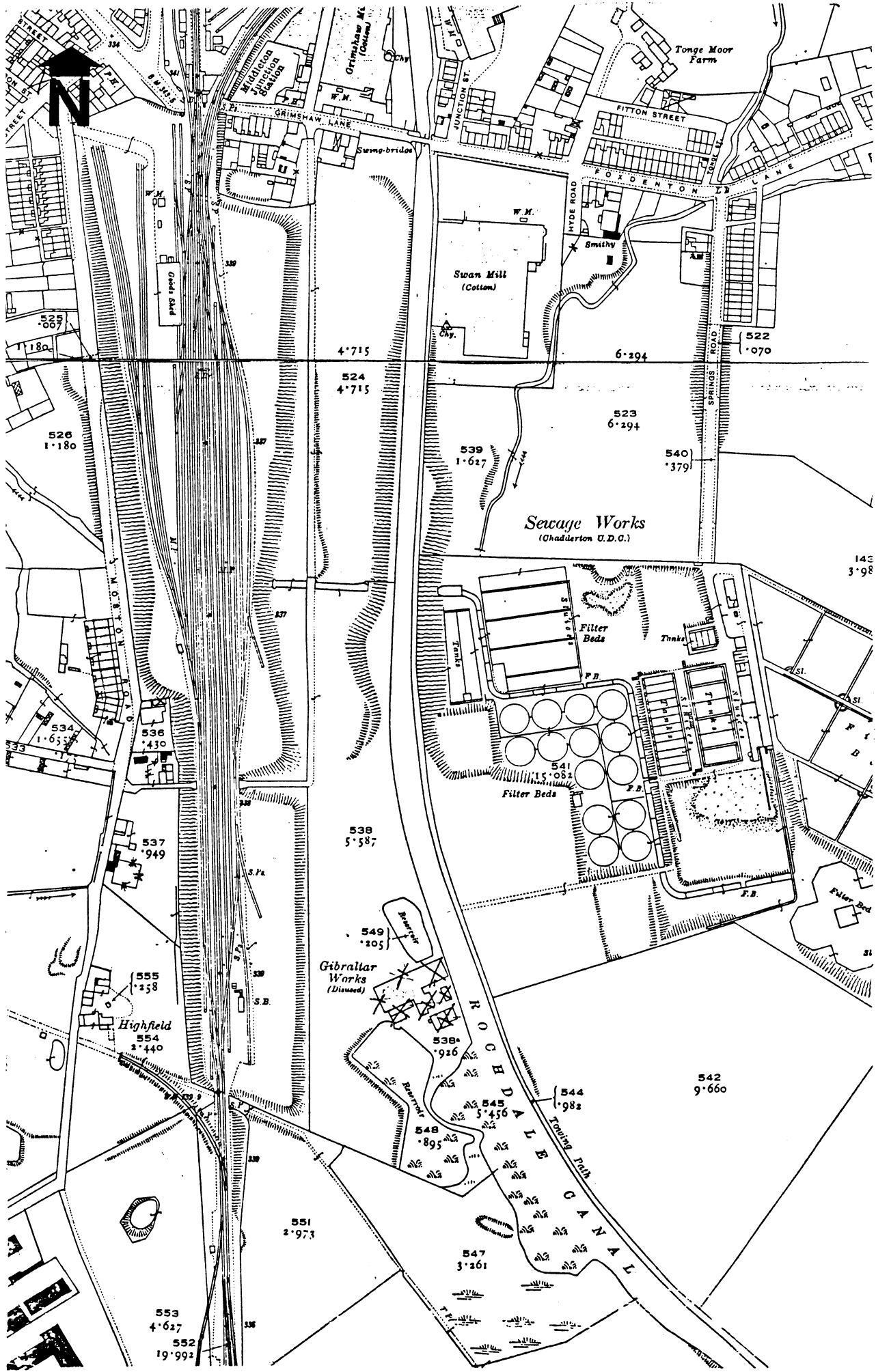
SCALE 25" TO 1 MILE (1:2500)

CROWN COPYRIGHT RESERVED



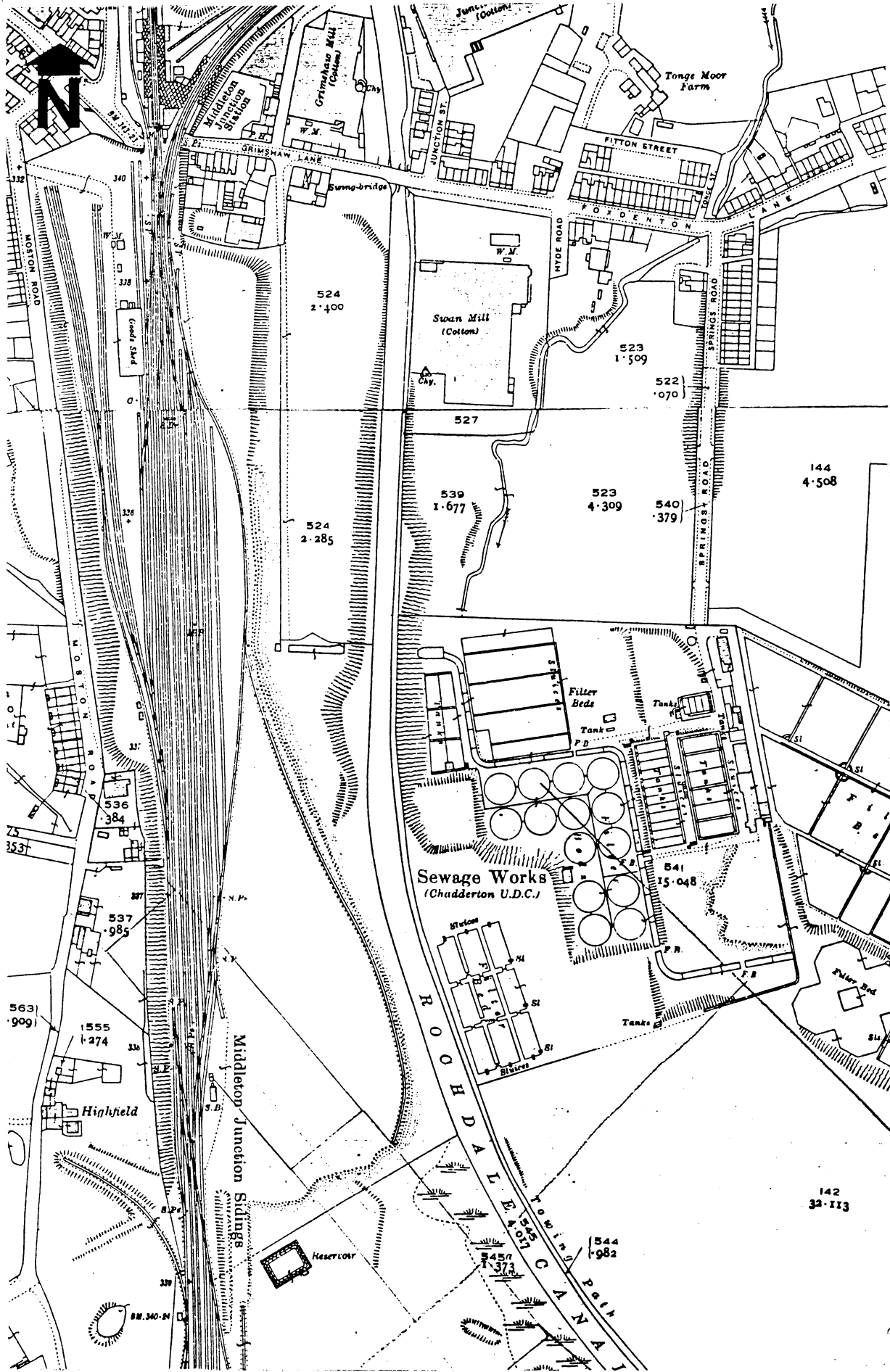
SCALE 25" TO 1 MILE (1:2500)

CROWN COPYRIGHT RESERVED



SCALE - 25" TO 1 MILE (1:2500)

CROWN COPYRIGHT RESERVED



SCALE .25" TO 1 MILE (1:2500)

CROWN COPYRIGHT RESERVED

AREA 2
O.S. MAP 1930

FIGURE 12

ARUP



ANNEXES A - G

- | | |
|----------------|--|
| ANNEX A | Industrial Archaeology |
| ANNEX B | Details of Sources 1: Principal Map Sources
(Ordnance Survey) |
| ANNEX C | Details of Sources 2: Supplementary Map Sources |
| ANNEX D | Details of Sources 3: Principal Collated Sources |
| ANNEX E | Details of Sources 4: Supplementary Collated Sources |
| ANNEX F | Details of Sources 5: Locations and Availability of
Information |
| ANNEX G | Selected Reading List |



ANNEX A

Industrial Archaeology

A INDUSTRIAL ARCHAEOLOGY

Historical background information on the development of industries is summarised in general books on industrial archaeology such as Cossons (1987) and Buchanan (1980). Information on local and regional distribution of industry is contained in the series of guides published by Batsford and David and Charles. More information on specific industries can be obtained from the Longman's Industrial Archaeology series (see selected reading list in annex G)

Many Industrial Archaeological societies, organized on a local or regional basis, publish journals and these may contain very valuable additional sources of local information on past industry.

Some industries have a long history. Lead and iron mining and smelting have been practised since pre-Roman times but the early phases of such industries, including throughout the medieval period, were of a small scale and intensity. In most cases sites will have been reworked much more intensively in more recent periods. Thus most of the sites of relevance to researchers will arise from exploitation and production in the last three centuries.

The location of industry in the early part of this period was typically at the point of extraction, alongside navigable water or close to the eventual market. Often if more than one process was involved these can be found at a combination of the above locations. Thus metals, for example, having been mined or streamed were initially concentrated close to source and then either smelted locally if fuel was available or transported to navigable water for smelting close to fuel sources or markets. Further working of the metal was usually close to established urban centres.

Until the development of a national railway system in the mid-nineteenth century much heavy industry such as metal founding, engineering, chemical works and gasworks were focused on navigable waterways as were many of the steam-powered factories such as textile mills. Railways, while allowing a more scattered distribution of industry, also reinforced the concentration of industries at established locations. Hence the most fruitful areas for map searches for evidence of former industries are often close to navigable rivers, canals and railways. Some of the canals and railway lines will have become disused but the pattern they imposed will have survived.

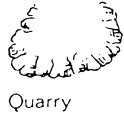
The 25" map details of a typical urban industrial area (Figs 2 and 3) which are reduced here to approximately 50" to one mile demonstrate many of these

points. Prior to the publication of the OS maps:

- the river upstream from the historic city centre was, from the late seventeenth century onwards, lined with heavy industries such as lead works, vitriol (acid) works and glassworks.
- the creation of the Floating Harbour in 1809 emphasised this focus and provided a further waterfront on the Feeder Canal which soon had attracted industries such as gasworks, soap works, iron works, potteries, tanneries and cotton mills.
- the railways from 1840 onwards added yet further heavy industry including ironworks, tarworks, sawmills as well as extensive sidings, engine sheds and depots.

The first large scale OS map published in 1885 shows the industrial development of the area which had resulted from these influences. The map details also demonstrate the change in use of industrial sites. Thus the Panther Lead Works shown on the 1885 map changed to a goods warehouse on the 1904 and 1918 maps and is now a modern mail sorting office. Very few of the industrial sites shown on the 1885 map remain in the same use today.

1:2500 (25in) County Series



Quarry



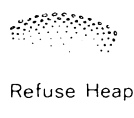
Sand Pit



Gravel Pit



Clay Pit



Refuse Heap

1:10560 (6in) County Series



Quarry



Sand Pit

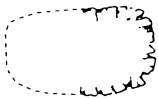


Gravel Pit

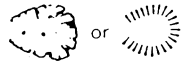


Other Pits

1:1250 (50in) and 1:2500 (25in) National Grid Series

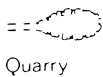


Active Quarry
Chalk Pit or Clay Pit

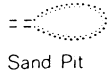


Disused Quarry
Chalk Pit or Clay Pit

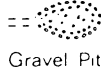
1:10560 (6in) National Grid Series



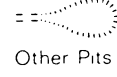
Quarry



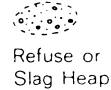
Sand Pit



Gravel Pit



Other Pits



Refuse or
Slag Heap

1:10000 National Grid Series



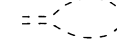
Quarry, Chalk
Pit or Clay Pit



Sand Pit



Gravel Pit



Disused Pit
or Quarry



Refuse or
Slag Heap

Fig 1. Selected O.S. conventional symbols

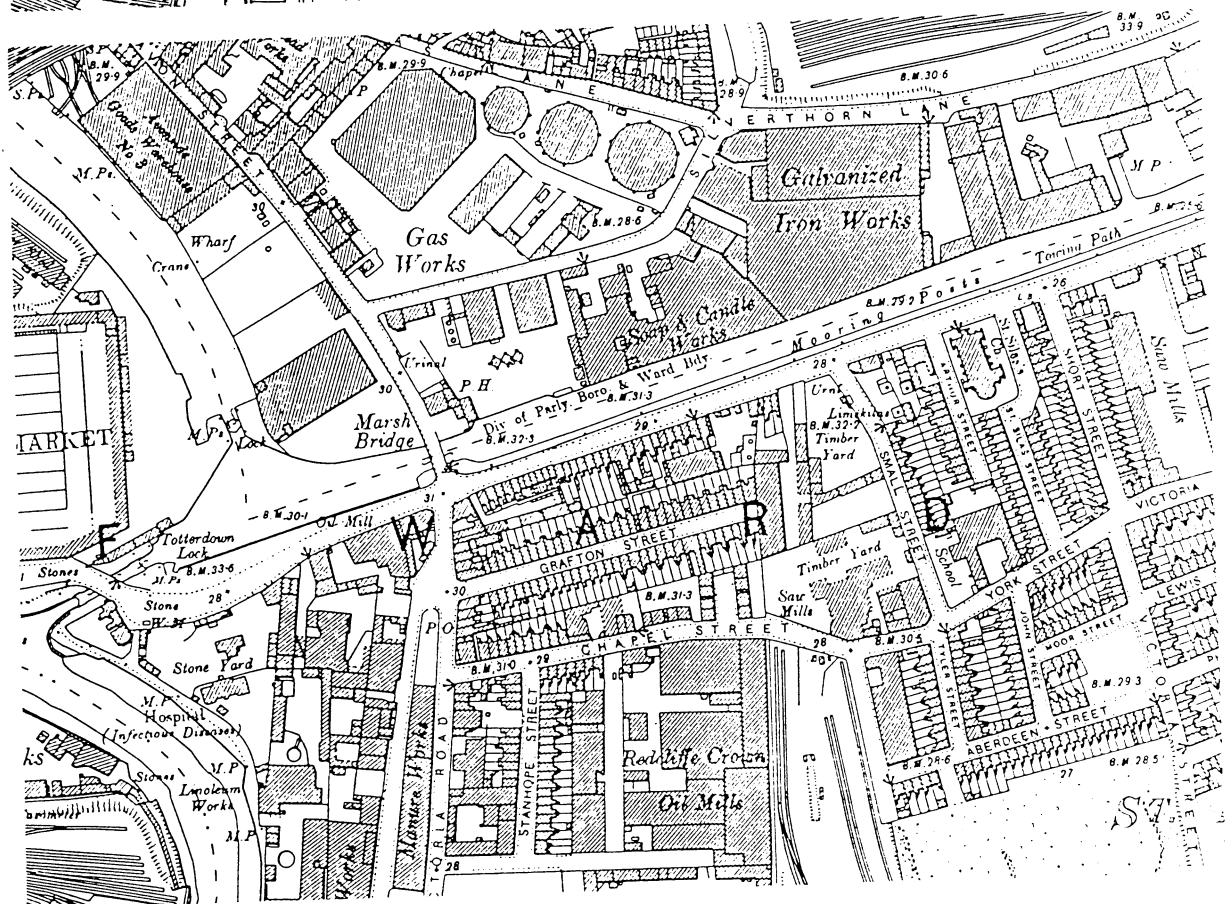
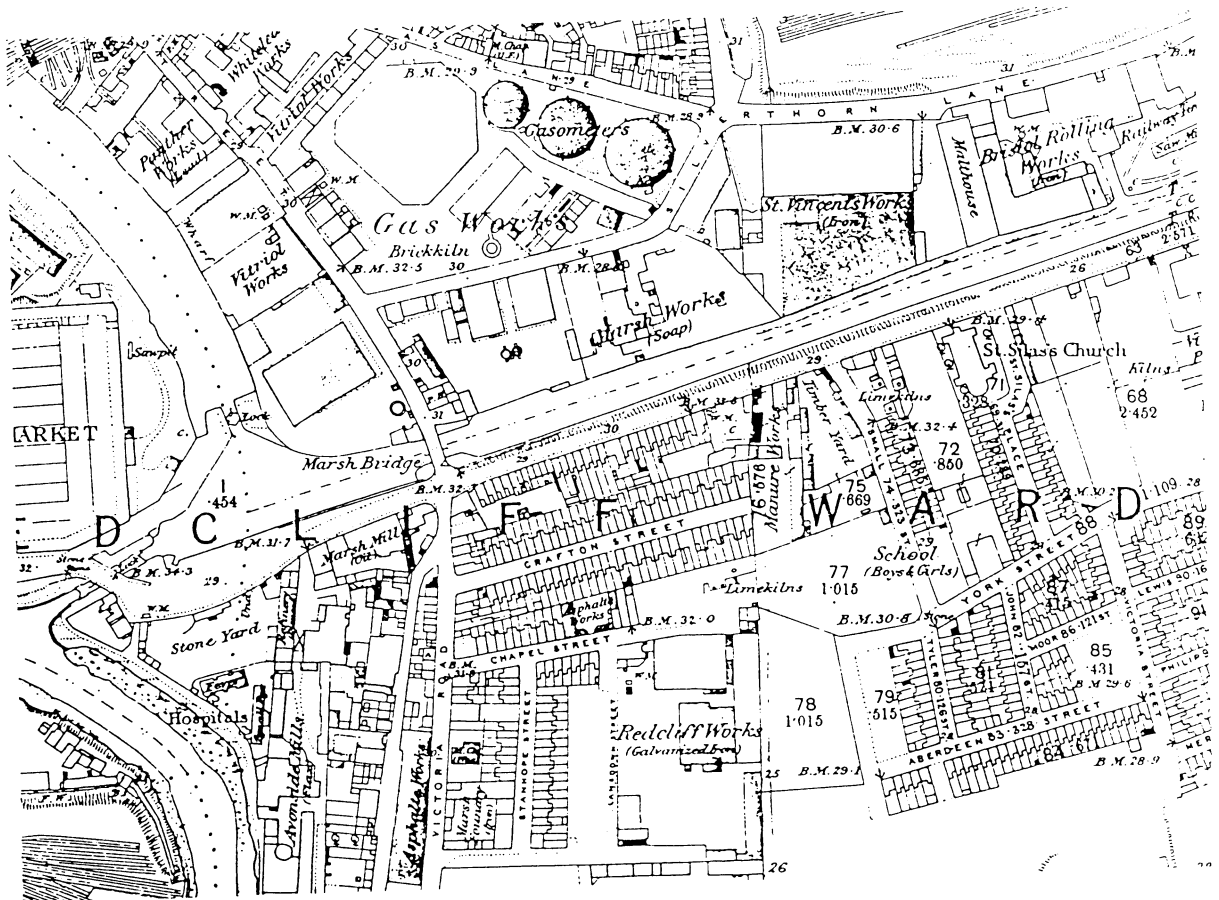


Fig 2. O.S. 1:2500, 1885 (top) and 1904

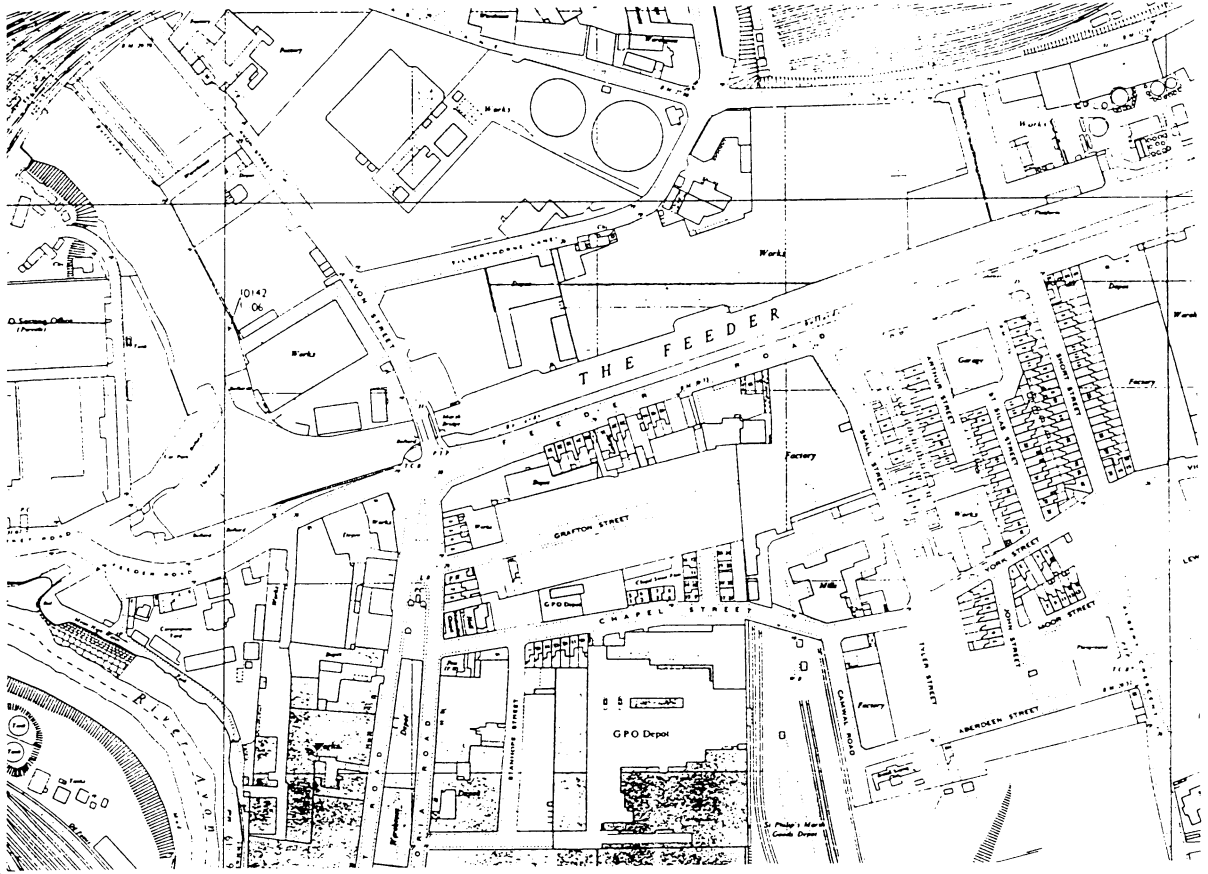
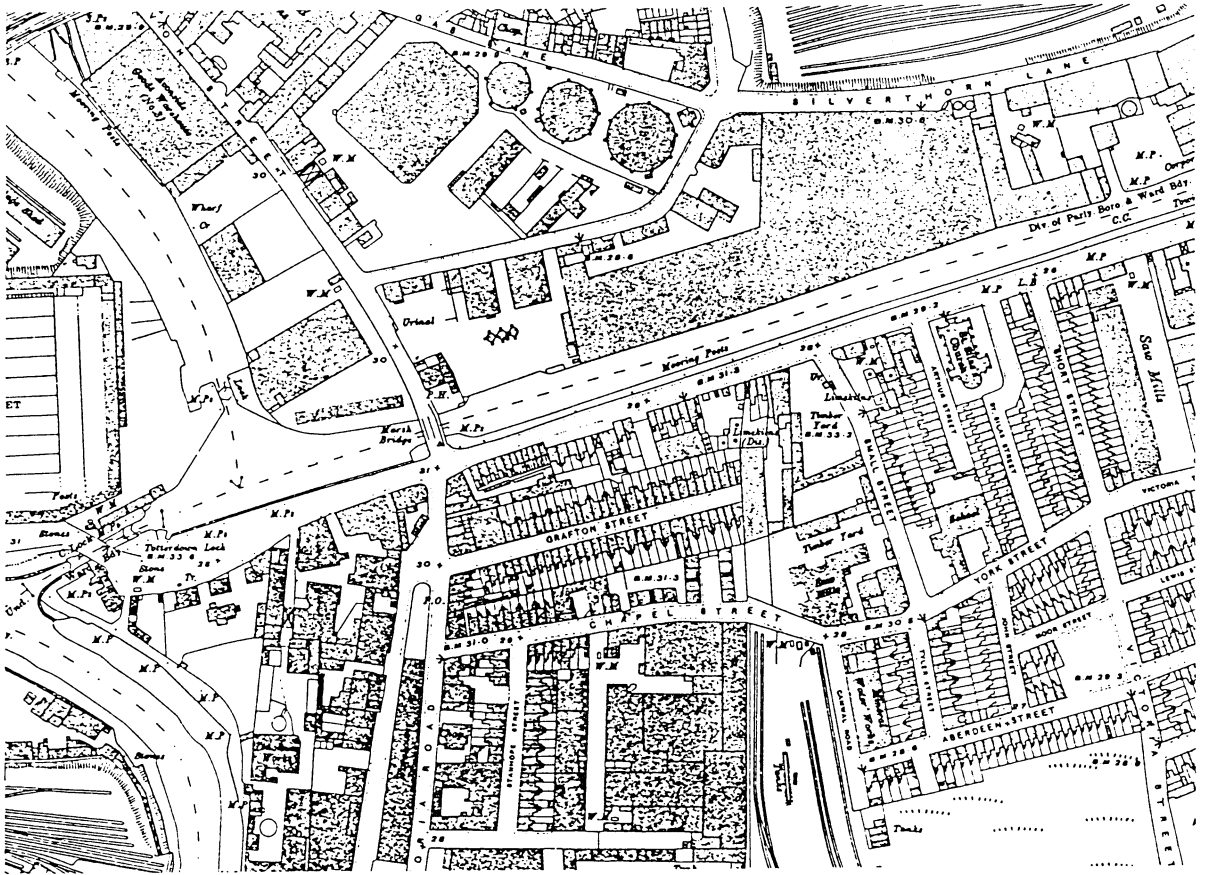


Fig 3. O.S. 1:2500, 1918 (top) and 1967/9

ANNEX B

Details of Sources 1: Principal Map Sources (Ordnance Survey)

B DETAILS OF SOURCES 1: PRINCIPAL MAP SOURCES (ORDNANCE SURVEY)

The principal map sources for researchers are the Ordnance Survey (OS) maps. Table 1 of Appendix 1 summarises the main OS map series. The main locations for these maps are local and national libraries and the OS. Details of availability are given in Annex F.

The Ordnance Survey (OS) or Trigonometrical Survey as it was first known was founded in 1791 with the aim of producing a map of Great Britain at the scale of 1" to one mile. It developed out of the military requirement for maps in the second half of the eighteenth century and was initially a component of the Army run by the Board of Ordnance. Larger scale maps at 6" and 25" to one mile were introduced during the second half of the nineteenth century. The 6" map coverage was extended to cover the whole of Great Britain, the 25" to include all areas except moorland and mountainous areas. During the period 1834 to 1894 the OS also produced Town Plans at scales of 1:1,056, 1:528 and 1:500, largely in response to the demands for town improvements and the Public Health Act. Table 1 of Appendix 1 summarises the publication history of OS Town Plans and details of coverage are given in Appendix 4.

Maps were first published on a county by county basis (hence the name 'County Series'), and it was only after 1946 that they became part of a national series with the introduction of the National Grid. In the County Series, each county or group of counties had its own survey base-line. Appendix 1 summarises the publication history of the County Series and further detail is given in Appendix 2.

Between 1840 and 1945 each county in England and Wales was surveyed by the OS at the 6" and/or 25" scales at least twice. The first edition 25" mapping was completed by 1893. It was intended to revise this on a 20 year cycle and the first revision was completed by 1914. A second revision was begun in 1904 and a third in 1911 but neither of these was completed. Detailed information on the 25" revisions is contained in Appendix 3. Since 1947 the process of maintaining a cycle of revision has been replaced by a system of continuous revision. The most recent survey information is available in Supply of Unpublished Survey Information (SUSI) format, and new editions or revisions of maps are published as required. Most urban areas have been mapped five times but some rural areas, where relatively little change has occurred, may have been mapped only once.

The current OS maps are published at metric scales of: 1:1,250 (From 1946);

1:2,500 (From 1946); 1:10,000 (From 1969); 1:25,000 (From 1945); and 1:50,000 (From 1974).

Surveys by the OS are undertaken at "basic scales" from which other map scales are derived for publication. Many maps are thus based on reduction of the basic scale mapping. It should not therefore be necessary to search each edition at different scales based on the same survey data. For rural areas it will be most convenient to consult the 25" or 1:2500 map coverage, whilst in built up areas the 1:1250 items should be consulted where mapping at this scale is available.

Large scale OS maps are one of the principal sources for researchers and are described in greater detail below. Further information on these and other OS maps can be found in the sources listed in Annex G.

Locations at which historic OS maps can be consulted are The British Library Map Library (F.5), County Record Offices (F.8), Local Libraries and Museums (F.15), National Library of Scotland (F.16), and National Library of Wales (F.17).

B.1 OS 6" (1:10,560) and 1:10,000

Maps for Lancashire and Yorkshire were surveyed and published at the 6" scale between 1840 and 1858. Maps for other counties were produced by reduction from the 25" maps, with the exception of moorland and mountainous areas which were surveyed and published at the 6" scale only. 6" maps derived from 25" bear the same date of survey but usually have a later publication date. County Series 6" maps were first published as full sheets covering approximately $5\frac{3}{4}$ miles x $3\frac{3}{4}$ miles, but were later produced in quarter sheet format. Since 1969 the 6" scale maps have been steadily replaced by the metric 1:10,000 scale.

For rural and semi-rural areas these 6" and 1:10,000 maps will identify the majority of industrial sites and are the most cost-effective to search if an extensive area is being searched. (16 County Series 25" sheets are needed to cover one full County Series 6" sheet). The 6" maps are of less value for densely developed areas. In such locations the process of reduction from 25" may have necessitated blocking-in of individual properties or omitting some boundaries and descriptive names.

A limited number of conventions is used for marking industrial sites on the 6" county series. The extent to which descriptive names were used was at the discretion of the surveyor and therefore varied from area to area.

B.2 OS 25" and 1:2,500

The 25" first edition survey began in 1853 in County Durham and was completed by 1893 for other counties. The maps were published on a county by county basis, with the earliest (1855-1872) being issued as a series of parish maps in which areas outside of the particular parish were left blank. Each individual County Series map covers an area of 1 x 1½ miles. The margin contains an abbreviated table of the symbols used: the full table of symbols was published as a separate sheet.

Since 1946 25" maps have been derived from the 1:1250 in major urban areas. The National Grid series maps cover 1km squares but were normally published as a pair. Several symbols on the County Series became obsolete. From 1959 onwards house numbers have been included on the plans. These (25") 1:2500 maps are a major source for developed areas.

B.3 OS 1:1250

The earliest maps at this scale, which were produced from 1911 onwards, are photographic enlargements of the 25" series and contain no additional detail. In 1946 a new series of maps at 1:1250 was introduced covering major urban areas. House numbers are included on these maps but to avoid overcrowding only selected numbers in a sequence are shown. Conventional symbols and abbreviations are the same as those used on the 1:2500 maps.

B.4 OS Town Plans

These were produced by the OS between 1834 and 1894. Details of published maps are given in Appendix 4. Some town plans at these scales exist only in manuscript form. Most towns are only covered by one edition at any of the above scales, although some have up to three. These plans carry more information than the 25" series as the larger scale allows the inclusion of greater detail. For some towns they provide the earliest large scale OS coverage and it is important to compare their dates with that of the publication of the first edition 25".

Almost 400 towns with populations of 4,000 inhabitants or more were mapped at the 1:500 scale between 1855 and 1894. There is normally only one edition at this scale with the exception of some towns which were re-surveyed at their own expense at a later date. To give an idea of the quantity of map-sheets, Nottingham required 352 sheets and twelve other towns required more than 100 sheets.

From around 1844 to 1894 several towns were mapped on the 10 feet to one mile (1:528) scale either by OS or private surveyors at the expense of the local authorities concerned.

58 towns had plans at the 5 feet to one mile (1:1056) scale published between 1834 and 1866. The majority were towns with 4,000 or more inhabitants in Yorkshire and Lancashire, which were surveyed at this scale as part of the first edition 6" survey of this area. An unpublished survey at this scale completed in 1845-6 survives for Southampton. London was also mapped at this scale between 1848 and 1850 but only skeletal detail is shown. This survey consists of some 820 sheets. Between 1862 and 1871 the survey of London was completed. Several revisions were undertaken at a later date either by the OS or Land Registry, these series being merged in 1931.

B.5 Ordnance Survey Indexing

It is important that researchers understand the OS indexing system and are aware of boundary changes which have affected their area of interest.

B.6 Index maps

The "Index to the 2nd Edition County Series" maps were published for each county in the 1960s (but see B.10 for London). They show The National Grid, and the 25" and 6" sheet lines marked on a base map of the county at a scale of 1:100,000. This enables direct comparison between modern National Grid sheets and County Series sheets.

In some cases researchers will find the "Index to the First Edition County Series" plan useful. These are at a scale of ¼" to one mile and show 6" and 25" sheet lines. They do not show The National Grid but do show parish boundaries. They were published in the 1950s and have recently been republished by David Archer (see Annex G). Instances where researchers will find these index sheets particularly helpful are:

- If the sheet lines of the County Series maps changed between the first and second editions e.g. Essex and Northumberland
- If the first edition County Series maps were published on a parish basis (see Appendix 2)
- If the local libraries used by researchers file their maps by parish

B.7 Identifying the published editions of County Series maps

Researchers need to determine which editions of each of the County Series sheets covering their area of interest were published. For the 1st and 2nd Editions this is straightforward since all 25" sheets were published in these editions with the exception of some upland areas where 6" sheets only were published.

Coverage of the 3rd Edition was not complete and sheets will not be available for all areas. Appendix 2 shows which counties were covered by this edition. For revised editions subsequent to the 3rd Edition the British Library Map Library have produced a list of sheets published by county. This list is reproduced at Appendix 3.

B.8 Identifying relevant post-1946 maps

If researchers wish to determine how many previous editions of each sheet of the 1:10,000 and 1:2500 or 1:1250 Series for their area of interest have been published since 1946, the OS can produce a print-out of the date and letter (A-F) of the latest edition of each sheet. If for example the current sheet's latest edition is "E" then there have been 4 previous editions. Where an area previously considered to be rural has been redefined as urban and the scale of mapping changed from 1:2500 to 1:1250, the first edition at the new scale will be labelled "A" and there will be no indication that there may be previous editions covering the same area at 1:2500. However, this should be apparent from the date of publication of the 1:1250 edition.

B.9 Boundary Changes

Two major local authority reorganisations this century have affected local authority boundaries. These took place in 1965 and 1974.

In 1965 local government in the London area was reorganised. This involved the abolition of the London County Council and Middlesex County Council and creation of the London Boroughs and Greater London Council.

In 1974 local government throughout England and Wales outside London was completely reorganised. Counties such as Rutland, Huntingdonshire, Herefordshire, Worcestershire and most of the Welsh counties were merged into larger administrative units. New counties such as Avon, Merseyside and Tyne and Wear were created in major urban areas. Within the counties the District Councils were created from the previous Town Councils and Urban and Rural District Councils.

Thus many districts now fall within different or completely new counties from those prior to 1974 or 1965. Researchers need to identify the appropriate "old" county, since pre-1946 maps were published in sets for each county (hence "County Series") and sometimes each parish. The pre-1974 County Boundaries are shown in Appendix 5.

This is only a brief outline of the main local authority boundary changes which have taken place. Other changes will have occurred at various times as a result of boundary reviews. Information regarding the "old" county within which a district lay will normally be available locally.

B.10 London

The indexing of OS maps of London differs in a number of respects from the rest of the country. In addition there have been significant changes in Local Authority boundaries in and around London. Where an area of interest falls within these areas researchers will need to understand the particular changes which have affected the district.

The modern administrative map of Greater London is at a scale of 1" to one mile. The County Series index sheet covering the former London County Council area was also published at this scale. Outer London Boroughs which were part of the counties of Essex, Kent, Surrey, Middlesex and Hertfordshire when the County Series mapping was carried out present some difficulty. The pre-1965 local authority boundaries in London are shown in Appendix 6.

Outer London Boroughs which were formerly in Middlesex present an additional problem. It is the only county in England and Wales for which there is no 1:100,000 index to the County Series held at OS. There is an index to London and also the counties of Essex, Surrey, Middlesex and Kent at a scale of 1 inch to one mile which shows the National Grid as well as sheet lines of the County Series maps. This is the "England and Wales diagram of London and its environs showing maps at 6", 25" and 5' scale". This was published in 1947. Its clarity is poor as a result of the multitude of lines superimposed on the base map, but it is the only available index sheet for the former county of Middlesex.

Researchers in all modern London Boroughs may find the "England and Wales diagram of London combined index to sheet lines of the old and new 1:2500 and 6" scales" useful for reference. This was also published in 1947 and is the index to the third edition of the County Series plans of London. Although the sheet lines for London never changed the numbering of sheets was different from the other counties and changed with each edition. The 25" sheets were

numbered consecutively rather than as sheets 1-16 of each 6" sheet as for other counties. They were re-numbered between the first and second editions as London grew in size. With the third edition London was almost brought into line with the rest of the country. 25" sheets were numbered 1-16 of each 6" sheet but the 6 inch sheets were referred to by letter. By closely examining the index to these maps the second edition 6" sheet numbers can also be seen.

ANNEX C

**Details of Sources 2:
Supplementary Map Sources**

C DETAILS OF SOURCES 2: SUPPLEMENTARY MAP SOURCES

The following sources may provide useful supplementary information. Locations of these sources are discussed in Annex F. Some locations such as local libraries and Museums (F.15) and County Record Offices (F.8), may hold a number of sources. Others, such as British Geological Survey (F.4), Land Use Survey (F.13) and Soil Survey and Land Research Centre (F.25), hold specific items.

Supplementary map sources based on Ordnance Survey

- C.1 **British Geological Survey (BGS) Maps:** BGS publish maps of the whole of England and Wales at small scale (1:63,360 or 1:50,000). These are of little value for the identification of industrial sites. Other information available from BGS is described in Annex F.4.
- C.2 **Land Use Survey Maps:** These were produced by the Survey in the 1930s and 1960s and cover the whole country at a scale of 6" to the mile (1:10,560). Three counties were mapped again in the 1970s and some London boroughs in the 1980s. Features such as quarries, waste disposal sites and factories are identified (see Annex F.13).
- C.3 **Soil Survey and Land Research Centre (SSLRC) Maps:** SSLRC publish soil maps of the whole of England and Wales at a scale of 1:250,000. This scale is too small to be of value for the identification of industrial sites. They also publish maps of some areas at scales of 1:50,000 and 1:25,000. The latter scale is useful in that areas of disturbed soils in rural areas such as quarries, landfill sites, spoil tips and similar features are accurately defined. Extensive archive material of manuscript mapping is also held by SSLRC for some areas (see Annex F.25)

Maps other than those based on Ordnance Survey

The map sources listed below range from small-scale topographical maps to large-scale plans.

- C.4 **Directory Maps:** Some of the early directories and guide books contain maps of their district which can include industrial sites. The most likely locations are described in Annex F.8, F.12, and F.15.
- C.5 **Early County Maps:** County Maps produced at scales between $\frac{3}{4}$ " and 2" to one mile in the eighteenth and early nineteenth centuries indicate the often

dispersed and rural location of industries of that period. The most likely locations are those described in Annex F.5, F.8, F.15, F.16 and F.17.

- C.6 **Estate Maps:** Maps covering land-holdings have been drawn up for owners for over 400 years. The majority are concerned with agricultural land holdings but there are some for industrial and urban areas. The most likely locations are those described in Annex F.5, F.8, F.15, F.16 and F.17.
- C.7 **Goad Fire Insurance Plans:** Chas E Goad Ltd produced large scale plans, usually at a scale of 1:480, for over 50 towns and industrial districts between about 1885 and 1970. These were updated, usually every five or six years, and are very detailed, showing buildings, their use and features of interest to the insurance companies. They are a very valuable source for the central areas of major towns. Individual maps can be of different compilation dates because updating often consisted of only partial revision or overlaying of earlier details. Properties are identified by street number, which facilitates cross-referencing with directories and other documentary sources. A list of towns for which these plans were produced is given in Appendix 7. Likely sources for these plans are those described in Annex F.7, F.8 and F.15.
- C.8 **Parliamentary Enclosure Maps:** The creation of individual fields from open arable, common or waste ground by Act of Parliament occurred from around 1760 onwards and involved the preparation of maps of the affected area. These principally show agricultural land holdings but can also show rural industrial sites. These may be held at the locations described in Annex F.5, F.8, F.15, F.16 and F.17.
- C.9 **Plans of Public and Statutory Undertakings:** Plans drawn up for the construction of canals or railways can be a useful source of information on the industrial sites they were designed to serve, although care is needed because some proposed developments were never built. Public utilities such as gas companies also generated their own plans and these can be valuable records of industrial sites. Plans may be held at the locations described in Annex F.8 and F.15. Individual utilities may hold plans in their own archives.
- C.10 **Property Plans:** Plans relating to documents such as leases or conveyances can give valuable information on individual sites. The most likely locations are those described in Annex F.8 and F.15.
- C.11 **Tithe Maps:** These were produced between 1836 and 1860 as part of the process of commutation of tithes under the Tithe Act 1836. Three copies were made; one for the Tithe Commissioners, the others for the relevant diocese and parish. The master copies are now in the Public Record Office (Annex

F.21). Other copies are normally held by county record offices (Annex F.8). Geographical coverage varies. There are few tithe maps for some counties such as Northamptonshire where Enclosure Acts had already commuted tithes. Overall approximately 75% of England and Wales was covered. There are two main types of tithe map. The first were based on new large-scale and detailed survey, usually 3 or 4 chains to the inch (1:2736 or 1:4752). The second were often based on existing smaller scale maps with some updating. The first category are the most useful and reliable. Tithe maps are important in providing early large scale coverage of rural areas and small towns and settlements. They should be consulted in conjunction with the relevant tithe apportionment sheets which give details of ownership of land. The most likely locations of these plans are those described in Annex F.5, F.8, F.15, F.16 and F.17.

- C.12 **Town Maps and Plans:** In addition to the OS town plans discussed in Annex B, a wide variety of maps and plans has been produced for major towns in printed or manuscript form by independent surveyors or administrative bodies. Some of them may be very valuable in providing details of sites. Local advice should be sought on maps which may be of assistance. These maps may be held at the locations described in Annex F.5, F.8, F.15, F.16 and F.17.

ANNEX D

Details of Sources 3: Principal Collated Sources

D DETAILS OF SOURCES 3: PRINCIPAL COLLATED SOURCES

D.1 Directories

Local directories were published from about 1830. They consist typically of lists of names and addresses of individuals and trades. Examples include Kelly's town and county directories and Post Office London directories. Many trade associations and other publishers also issued trade and business directories. Collections of local directories are usually available in Local Libraries and Museums (F.15). Where these collections are not sufficiently complete reference may be made to Kelly's Directories section (F.12).

The detail and organisation of information depends on the purpose of the directory. Information is normally classified in one of the following ways:

- Trade: trade type followed by an alphabetical list of tradesmen by surname.
- Street: streets are listed alphabetically and within each street residents are listed sequentially by property number (often with details of trade or activity).
- Commercial: an alphabetical list of tradesmen or company names (with trade).
- Residential: an alphabetical list of all residents (sometimes tradesmen are included) for the area covered by the directory.

D.2 DoE Survey of Landfill Sites 1973/74 and 1988

These desk studies were carried out by the Institute of Geological Sciences (now the British Geological Survey) on behalf of the DoE and with the co-operation of local authorities. It was intended to provide an assessment of landfill sites with respect to potential risks of groundwater and surface water contamination. It included some 2,500 sites active at that time in England, Scotland and Wales. Not all local authority areas were covered. The information is held by local authorities (F.14) as well as BGS (F.4).

D.3 Statutory Planning Registers

Registers of planning permissions are maintained by local planning authorities under the Town and Country Planning General Development Order 1988. These will be a valuable source for recent development post-dating the latest

OS maps available for a district and for providing details of uses otherwise not available. The Planning Register can be consulted in the Local Authority Planning Department (F.14). It should be noted that in some cases planning consents may not have been implemented.

D.4 Waste Disposal Site Licences

These records were held by the the Waste Disposal Authorities and now by their successor Waste Regulation Authorities. Site licensing began in 1976 and identifies locations of sites and types of waste permitted. Records for closed sites are not stored indefinitely. Details of Waste Disposal Site Licences can be obtained from the Local Authority Environmental Health Department (F.14)

D.5 Welsh Office Survey

A partial survey of contaminated land in Wales was carried out on behalf of the Welsh Office in 1988 and is held by the Welsh Office Map Library (F.27).



ANNEX E

**Details of Sources 4:
Supplementary Collated Sources**

E DETAILS OF SOURCES 4: SUPPLEMENTARY COLLATED SOURCES

E.1 Aerial and Satellite Photography

Air photographs of most of Britain are available from about 1946 onwards. They can be valuable in determining boundaries of quarries, landfill sites, spoil tips and similar features which may not always be clear from OS maps but their use will only be practical where photographs and expertise in interpretation is readily available to researchers. Satellite imagery is not likely to be of value in identifying previous industrial uses of sites. Collections of aerial photographs are held by the Royal Commission on the Historical Monuments of England (F.24), Royal Commission on the Ancient and Historical Monuments of Scotland (F.22), Royal Commission on the Ancient and Historical Monuments of Wales (F.23) and the Welsh Office (F.27).

E.2 Consents for Discharges to Controlled Waters

The NRA maintains registers under S190 of the Water Resources Act 1991 giving details of discharge consents and any conditions of those consents. The registers can be consulted at NRA regional offices (F.19)

E.3 Consents for Discharges to Sewers

Sewerage Undertakers (usually the regional water company (F.26)) maintain records of consents, directions and agreements related to discharges to sewers under S196 of the Water Industry Act 1991.

E.4 Dedicated Sites for Disposal of Sludge

Regional water companies (F.26) maintain a register of dedicated sites used for the disposal of sludge under the Sludge (Use in Agriculture) Regulations 1989.

E.5 Derelict and Despoiled Land Surveys

These are surveys undertaken by local authorities for the DoE and Welsh Office (WO). They were first compiled in 1973 and have subsequently been updated. The surveys cover all of England and Wales but data on previous uses are often imprecise. Reclaimed sites are removed from the records. Local authorities (F.14) hold detailed relevant information for their areas.

E.6 Disposal of Diseased Animals

Records of the disposal of diseased animals are held by local authorities (F.14) or water companies (F.26).

E.7 Explosives

Local authorities (F.14) maintain a register of premises on which waste that contains explosives is kept under the Explosives Act 1875.

E.8 Hazardous Substances Consents.

These are consents issued by the responsible authority (usually the local authority (F.14)) permitting the manufacture or storage of hazardous substances, together with any enforcement proceedings. These may be required under the following legislation:

- Planning (Hazardous Substances) Act 1990
- Control of Major Accident Hazards Regulations 1984
- Dangerous Substances (Notification and Marking of Sites) Regulations 1990
- Notification of Installations Handling Hazardous Substances Regulations 1982

E.9 Industrial Sources

Company histories may contain plans of sites and other useful information. These may be available in local libraries and museums (F.15). The Business Archives Council (F.6) may also be able to provide information on sources.

E.10 Local Archives and Societies

Local museums and libraries (F.15) usually hold local history collections containing maps, photographs, books, street directories and other material. Local history societies and specialist groups exist in many areas and may hold information of relevance. The Association for Industrial Archaeology (F.2) may be able to provide information on possible sources.

E.11 Local Knowledge

Although not a documentary source, individuals such as former or current employees of the industries concerned or of the local authority may have information regarding sites or records. Such information may be useful in

clarifying doubtful records from documentary sources and to provide detail of the former location of process plant and materials on the site. However, caution is necessary where verbal evidence for former uses of sites is unsupported by other sources. Verbal evidence alone should not be relied upon to identify an industrial site.

E.12 National Record of Industrial Monuments

This is a county by county survey of sites of industrial archaeological interest in England compiled by voluntary surveyors during the 1960s and 1970s. Coverage and quality of the record is variable between counties but for some areas is good. The records are held by the Royal Commission on the Historical Monuments of England (RCHME) (F.24).

E.13 Radioactive Substances

Registers of premises regulated under the Radioactive Substances Acts 1960 and 1993 are maintained by HMIP. Copies of documents sent to local authorities under any provisions of the Acts are available to the public (F.14)

E.14 Register of Authorisations under the Control of Air Pollution (Regulation of Works) Regulations 1989 SI318

This register is maintained by the HMIP regional offices (F.11). The types of processes covered are described in the Health and Safety (Emissions to Atmosphere) Regulations (1983) SI943. Register entries include the name and address of the premises, a map or plan showing the location and a description of the process.

E.15 Registers of Authorisations under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991 SI472

The contents of the registers are defined in the Environmental Protection (Applications, Appeals and Registers) Regulations 1991 SI507. Processes controlled by these regulations are divided into:

- Schedule A processes, regulated by HMIP
- Schedule B processes, regulated by local authorities

Local Authorities (F.14) are however provided with copies of the schedule A process register by HMIP. The information recorded includes the name and address of the premises, a map or plan showing the location and description of the prescribed process

E.16 Registers of Scrap Metal Dealers

Every Local Authority (F.14) is required to maintain a register of scrap metal dealers under The Scrap Metal Dealers Act 1964 Section 1. This contains details of the name of the dealer and the address of the premises used for a scrap metal store in addition to other particulars. The register only includes active sites. Entries are cancelled once the business ceases to operate.

E.17 Surveys of Mineral Workings

Surveys of mineral workings between 1947 and 1982 were carried out in 1982 by Local Authorities on behalf of DoE and WO. These were updated in 1988 to cover workings between 1982 and 1988. These may assist in identification of waste disposal sites. Records are held by Local Authorities (F.14) for their areas.

E.18 Sites and Monuments Records (SMRs)

SMRs are generally maintained by Local Authorities (F.14), principally County Councils. In some areas, for example the former metropolitan counties, other organisations may maintain the records. Their function is to collect, store and make available archaeological information for a given area. This includes the provision of archaeological advice for local strategic planning and development control.



ANNEX F

**Details of Sources 5:
Locations and Availability of Information**

F DETAILS OF SOURCES 5: LOCATIONS AND AVAILABILITY OF INFORMATION

This section describes the locations at which source material for the identification of industrial sites can be studied or acquired.

For the locations discussed in the following section a standard format is generally used.

- * Outline of information held which may be of use to researchers.
- * The availability of this information.
- * The form in which the information is stored.
- * The contact point for researchers.
- * The preferred method of approach from researchers.
- * Access arrangements.
- * Whether or not a charge is made for information.

In preparing this Annex representatives of the organisations mentioned have indicated that they are able to provide assistance on the basis, and within the constraints, described. Researchers are advised to take note of this guidance in their approaches so that information can be efficiently and effectively provided. **Requests for information should be as specific as possible. "Blanket" requests should not be made.**

The information provided here is the best available at the time of going to press and is given in good faith. However, organisations' policies and practices may change over time. No responsibility can be accepted for the currency of this information.

F.1 Association of Independent Museums,

Information held: Names and addresses of local museums which may hold records of relevance.

Contact: Association of Independent Museums
Hotties Science and Art Centre
PO Box 68
Chalon Way
St Helens
Merseyside WA9 1LL

Approach: By Telephone
Tel: 0744 22766

F.2 Association for Industrial Archaeology,

Information held: Details of local groups and individuals who may hold relevant information on sites within particular districts.

Contact: Association of Industrial Archaeology
The Wharfage, Ironbridge, Telford, TF8 7AW.

Approach: By letter

F.3 British Gas

Information held: Records of land in its ownership including sites currently in use and disused.

Contact: The Property Manager in each region as listed below:

Approach: By letter.

Eastern Region

Star House, Mutton Lane, Potters Bar, Herts, EN6 2PD

East Midlands Region

PO Box 145, De Montfort Street, Leicester, LE1 9DB

North Eastern Region

New York Road, Leeds, LS2 7PE

Northern Region

PO Box 1GB, Newcastle upon Tyne, NE99 1GB

North Thames Region

North Thames House, London Road, Staines, Middlesex, TW18 4AE

North Western Region

Welman House, Altrincham, Cheshire, WA15 8AE

South Eastern Region

Segas House, Katherine Street, Croydon, Surrey, CR9 1JU

Southern Region

PO Box 105, Southampton, SO9 7GL

South Western Region

Riverside Temple Street, Keynsham, Bristol, BS18 1EQ

West Midlands Region

Wharf Lane, Solihull, West Midlands, B91 2JP

Scottish Region

Granton House, 4 Marine Drive, Edinburgh, EH5 1YB

Wales Region

Helmont House, Churchill Way, Cardiff, CF1 4NB

F.4 British Geological Survey

Information held: Landfill site survey carried out for DoE 1973/1974. Local authorities should hold records of those sites within their areas.

1:10,560 (6" to 1 mile) and 1:10,000 geology maps have shown areas of disturbed ground since the 1960s. These cover about one third of England and Wales.

BGS have carried out thematic mapping of made ground and worked ground in some areas for the DoE. These are usually in urban areas targeted for regeneration.

BGS publishes the Directory of Mines and Quarries. There have been four editions since 1984, the latest was published in 1994.

Availability: All this data is available to researchers through the National Geosciences Records Centre.

Storage: Generally as paper maps

Directory of Mines and Quarries on database.

Basic landfill site survey information on database with more detail on site forms.

Thematic mapping results, available as reports and as a database of geotechnical properties for some of the areas.

Contact: Central Enquiries Officer, Information Services Group, British Geological Survey, Keyworth, Nottingham NG12 5GG.

Approach: Written request for information.

Access: Information purchase. BGS will provide an outline of the information held to researchers.

Charges: A scale of charges for information provision will be provided.

F.5 British Library Map Library

Information held: Definitive collection of all OS Maps published including large scale town plans. Also extensive collections of other material such as Goad fire insurance plans and similar material.

Availability: Space in the reading room is very restricted and the library must not be considered as the main location for

examination of historic maps. The library should only be approached where no other source of particular maps can be identified.

- Storage: Pre-World War II large scale OS plans are mainly stored in bound volumes. There is an ongoing programme of microfilm copying. The First Edition County Series 1:2,500 and all 1:10,560 editions (England and Wales) are now stored in this form.
- Contact: Map Librarian, The British Library, Great Russell Street, London WC1B 3DG
Tel: 071 323 7700
- Approach: By letter or telephone
- Access: Public access to the map library is normally free. However there is little capacity for any increase in the level of use above that presently accommodated.
- Charges: There will be a charge for the reproduction of material. The quantity of A4 extracts that can be supplied from OS national grid sheets is restricted.

F.6 Business Archives Council

- Information held: Register of archives of industries, but not the archives themselves. Business History Library of some 4500 volumes.
- Contact: Business Archives Council,
The Clove Building
4 Maguire Street
London
SE1 2NQ
- Approach: Written request for information.

F.7 Chas. E Goad Ltd

- Information held: Publishers of large scale Fire Insurance Plans between c.1885 to c.1970 (updated triannually). These extremely detailed plans show the name and trade of each building's

occupant and the materials from which the building was constructed. Coverage is of the commercial and industrial areas of towns and cities throughout Great Britain. Since 1966 they have published large scale town centre plans showing details of the use and occupancy of properties.

Contact: Chas. E Goad Ltd
8-12, Salisbury Square, Old Hatfield, Herts AL9 5BJ

Approach: By telephone
0707 271171

F.8 County Record Offices

Information held: Extensive collections of maps, documents and photography relating to the locality. For information not available at District level the County Record Office will be a key location for source information.

Availability: Material is freely available for inspection by the public with the important proviso that privately deposited archives may not be produced for legal purposes without the owner's written permission. This may restrict access to certain information of relevance to researchers.

Storage: Normally paper records but some microfilm and similar photographic systems used in some offices.

Contact: County Archivist. The telephone number and address of the County Record Office will be listed in local telephone directories.

Approach: Verbal inquiry initially

Access: The County Archivist will normally arrange for researchers to have access to the records subject to the constraints of space and staff availability to assist in locating documents. Many County Record offices operate an appointment system.

Charges: County Record Offices do not normally charge for access. Charges will be made for copying.

F.9 Geological Museum (British Geological Survey)

Information held: Holders of all documents produced by the BGS and a useful source of reference for those in the London area. All BGS publications including maps can be purchased through the office and open-file reports examined there.

Contact: London Information Office
British Geological Survey
Natural History Museum Earth Galleries
Exhibition Road, London SW7 2DE
Tel: 071 589 4090 Fax: 071 584 8270

The BGS office in Nottingham may also be contacted (See F4).

Access: The office is open to the public. No appointment necessary. Visitors should collect a BGS Visitors Pass from the admissions desk at the Exhibition Road entrance to the geological museum.

Charges: Charges are made for priced publications.

F.10 Health and Safety Executive (HSE)

Information held: The Inspectorates which are part of HSE may have relevant information but their records are those needed for the purposes of inspection and enforcement and are generally not retained when they are no longer needed for that purpose.

Storage: Information would be contained in site files and reports, some on computer.

Contact: Area Office and Inspectorate addresses are listed in local telephone directories.

Approach: Requests should be in writing. The Inspectorate should only be consulted as a secondary source, where there are gaps in information obtained from other sources. Commercially confidential information will not be released.

Access: HSE staff will examine the records and answer the requests.

Charges: Charges will be made. The arrangements are currently under review. Area Offices will give up to date information.

F.11 Her Majesty's Inspectorate of Pollution (HMIP)

Information held: Register compiled under the Control of Air Pollution (Regulation of Works) Regulations 1989, SI318. Data on individual premises includes a map or plan of the site, an indication of where on the site the regulated process was carried out and a description of the process.

Register compiled under the Integrated Pollution Control Regulations of the Environmental Pollution Act 1990. Copies of all documents held on the HMIP registers are also sent to the relevant local authority.

Since 1991 HMIP has also produced a summary or index report at the end of each month which provides a snapshot of all the applications under the various pollution control regimes and their status. These reports are available from the London office.

Availability: The register is held at the HMIP regional offices.

Storage: The index to the register is on a computer database. The main records are in paper form.

Contact: Relevant Regional Office.

North East & North West Region
Public Registers Supervisor
North East & North West Regions
Stockdale House (1st Floor)
Headingley Business Park
8 Victoria Road
Headingley
Leeds LS6 1PF
Tel: 0532 787011

Anglian and Southern Regions

Public Registers Supervisor
Anglian & Southern Regions
Howard House (2nd Floor)
40-60 St John's Street
Bedford
MK42 0DL
Tel: 0234 277048

South West Region

Public Registers Supervisor
South West Region
Highwood Pavilions (Ground Floor)
Jupiter Road
Patchway
Bristol
BS12 5SN
Tel: 0272 319653

Midlands Region

Public Registers Supervisor
Midlands Region
Unit 15-17
Wren's Court
Lower Queen Street
Sutton Coldfield
West Midlands
B72 1RT
Tel: 021 362 1006

Wales Region

Public Registers Supervisor
Wales Region
Brunel House (11th Floor)
2 Fitzalan Road
Cardiff
CF3 1TT
Tel: 0222 495558

The index reports may be obtained from the following address:

National Index Report Service
Room A502
Romney House
43 Marsham Road
London
SW1P 3PY

Tel: 071 276 8305/8158

Approach: By letter or telephone

Access: These registers are available for consultation at all reasonable times.

Charges: HMIP will not charge for inspection of the register but they will charge for provision of copies.

F.12 Kelly's Directories

Information held: Comprehensive collection of Kelly's Directories from 1974 to the present day.

Contact: Editorial Department
Kelly's Directories
(Reed Information Services)
Windsor Court
East Grinstead House
East Grinstead
W. Sussex
RH19 1XB
Tel: 0342 326972 Fax: 0342 314201

Approach: By telephone initially.

Access: Access can be arranged by appointment but they should be used only to fill gaps where local collections are not sufficiently complete.

F.13 Land Use Survey,

Information held: Publishers of the Land Use Maps described in Annex C.2.

Contact: Land Use Research Unit
Department of Geography
Kings College London
Strand
London
WC2R 2LS

Approach: By telephone
Tel: 071 873 2610

Access: The maps can be examined at the Land Use Survey Office and copies provided.

Charges: There is a charge for access and provision of copies.

F.14 Local Authorities

Information held: Local authorities hold a number of relevant sources of information. These may include the following.

Planning Department:

- * Statutory Planning Register
- * Derelict and Despoiled Land Surveys
- * Surveys of Mineral Workings

Environmental Health Department:

- * Details of licenced waste disposal sites
- * Register of authorisations under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991
- * Register scrap metal dealers

Some local authorities have compiled information on sites in their areas which have been subject to contaminative uses.

Availability:	All relevant registers and surveys are public documents and are available for inspection.
Storage:	Varies between local authorities. In many cases storage is as paper records but increasingly records are being stored on computerised data bases and GIS systems.
Contact:	Appropriate district Planning and Environmental Health Departments.
Approach:	Usually initial telephone call followed by written requests.
Access:	Information will normally be extracted from the records on request.
Charges:	Charges will usually be made to cover costs of provision of information.

F.15 Local Libraries and Museums

Local libraries and museums will hold sources of relevance. They are listed in "Record Repositories in Great Britain: a Geographical Directory" published by HMSO for the Royal Commission on Historical Manuscripts.

Information held:	Collections often include good historical map coverage of the local area as well as written sources relating to local industries and businesses.
Availability:	Collections are available for inspection.
Storage:	Normally paper records.
Contact:	Curator.
Approach:	Telephone or written request.
Access:	Varies but will normally require an appointment for a visit to inspect documents.
Charges:	There will usually be a charge for copies of documents.

F.16 National Library of Scotland

- Information held:** Comprehensive OS map collection for Scotland; good holding of earlier maps of Scotland. Incomplete coverage of England and Wales.
- Availability:** NLS is a research and reference library of last resort. Potential users must first try local resources, or the Ordnance Survey Library, Southampton. Priority given to business users located in Scotland and the north of England. Requests originating from Great Britain south of Humber-Mersey line for reproductions of maps of south Britain should be directed to OS Library, Southampton.
- Photocopying depends on copyright regulations and condition of maps. For conservation reasons, whole sheets are copied - small extracts are not available. No photocopying from OS microfilm copycards (SIM/SUPERPLAN).
- Storage:** Large scale OS pre-1977 on paper. Post-1977, increasing number on microfilm copycards (OS SIM/SUPERPLAN).
- Contact:** Map Library Manager
National Library of Scotland
33 Salisbury Place,
Edinburgh, EH9 1SL
Tel: 031 226 4531 (ext 3412) Fax: 031 668 3472.
- Approach:** Entry for business users by appointment made in advance.
- Access:** Maximum of 6 sites per daily visit per film.
- Charges:** Entry is normally free; charges are made for reproduction of material. Additional charges made for (a) fast stream postal and fax enquiries (b) handling of large retrieval requests or bulk orders.

F.17 National Library of Wales

- Information held: Comprehensive OS map collection for Wales covering all editions and scales. Full collections of other maps including geological, soils and land use maps; tithe maps, early county maps and fire insurance plans; street directories and other documents.
- Availability: The collections are available for public inspection. A dramatic increase in the level of use could lead to severe limitations. The library should only be used to fill gaps in information not available from other sources.
- Storage: Early maps filed on county basis, modern OS maps on National Grid basis. Original paper copies stored flat and unbound. Material is on closed access but is retrieved by staff or researchers.
- Contact: The Department of Pictures and Maps
The National Library of Wales,
Aberystwyth, Dyfed, SY23 3BU.
Tel: 0970 623816 Fax: 0970 615709
- Approach: By letter, telephone or fax.
- Access: No formal arrangements for access are required but it is advisable to provide advance notice of the sheet numbers and editions.
- Charges: No charges are levied at present. Photocopies may be supplied as per schedule of charges. In some cases, staff may be retained as per advertised schedule of charges.

F.18 National Register of Archives

- Information held: The Register consists of some 37,000 lists and catalogues of manuscript collections including the holdings of local record offices, libraries, museums etc. The indexes include a Business Index covering the records of 24,000 British firms.

Contact: National Register of Archives
Quality House, Quality Court, Chancery Lane, London
WC2A 1HP.

Approach: Written request

F.19 National Rivers Authority

Information held: Registers of consents for discharges to Controlled Waters and performance of effluent discharge against consent conditions. Also substantial quantities of information are held on water quality of rivers. NRA also holds, on register, its input to any HMIP authorisations issued under Integrated Pollution Control (EPA 1990). Other information reflects the degree of involvement of the NRA and its predecessors in activities on sites which have the potential to contaminate water. In general this has occurred through consultations under the Town and Country Planning Acts or Control of Pollution Act Part I, involvement in pollution incidents, and public enquiries. The NRA also holds information on numbers and types of past pollution incidents.

Availability: The extent of available information varies between Regions. Water quality data and effluent sample data may be available in electronic format.

Storage: Most information will be stored in hard copy form.

Contact: The appropriate regional office.

Anglian Region
Kingfisher House
Goldhay Way
Orton Goldhay
Peterborough
PE2 5ZR

Northumbria and Yorkshire Region
21 Park Square South
Leeds
LS1 2QG

North West Region

Richard Fairclough House
Knutsford Road
Warrington
WA4 1HG

Severn Trent Region

Sapphire East
550 Streetsbrook Road
Solihull
West Midlands
B91 1QT

Southern Region

Guildbourne House
Chatsworth Road
Worthing
West Sussex
BN11 1LD

South Western Region

Manley House
Kestrel Way
Exeter
EX2 7LQ

Thames Region

Kings Meadow House
Kings Meadow Road
Reading
RG1 8DQ

Welsh Region

Rivers House/Plas-yr-Afon
St Mellons Business Park
St Mellons
Cardiff
CF3 0LT

Approach:

The initial contact should be by letter to Regional Headquarters and headed "Public Register Enquiry", to enquire as to the best way forward given the variety of information likely to be available in any one office.

Access: If the information is readily available, the NRA would be prepared to extract it from the records.

Charges: A nominal charge for copies will be made, as is the case for public register information, but if significant work is required to extract information, a charge would be agreed locally to reflect the amount of additional work.

F.20 Ordnance Survey

Information held: Main comprehensive source of historical and current OS maps and indexes to maps.

Availability: All sheets held can be purchased. Not all sheets which have been published are available as a result of losses. Photographic copies of index sheets to 2nd Edition county series can be supplied.

Storage: Maps in library are stored as single sheets by series and edition.

Contact: Ordnance Survey, Customer Orders,
Romsey Road,
Maybush,
Southampton, SO9 4DH
Tel: 0703 792 338 Fax: 0703 792 602

Approach: Telephone, fax or letter.

Access: The OS will provide copies of maps or permit access to the library

Charges: A scale of charges for supply of maps can be obtained from the OS. There is also a charge for use of the library.

F.21 Public Record Office

Information held: Extensive records from central government departments. Information regarding non-governmental sites is not generally available.

Availability: Material over 30 years old is freely available for

inspection by the public. If information has been provided "commercial in confidence" the material may be subject to extended closure and permission to see it must be sought from the Department Record Office at the department concerned.

Storage: Most records are original paper documents but some have been copied to microfilm.

Contact: Reader Services Department
Public Record Office
Ruskin Avenue
Kew
Richmond
Surrey TW9 4DU

Approach: Write in or telephone. No research service is offered.
Tel: 081 876 3444.

Access: Public access to the record office is free but identification is required (eg. driving licence, bankers card) for a reader's ticket.

Charges: There is a charge for the copying of records.

F.22 Royal Commission on the Ancient and Historical Monuments of Scotland (RCAHMS)

Information held: Collection of historical and survey records (site plans, product information etc) relating to a wide range of industries in Scotland. Large collection of aerial photographs including the former Scottish Office Air Photographs Unit.

Availability: Collections are available to the public for consultation, Monday to Friday.

Storage: First edition maps are held on microfiche with the bulk of information on paper copies. Some information is held on computer.

Contact: RCAHMS, John Sinclair House,
16 Bernard Terrace,
Edinburgh, EH8 9NX
Tel: 031 662 1456 Fax: 031 662 1477/1499

Approach: Direct access is possible although it is advisable to telephone in advance. Bookings must be made for access to vertical air photographs.

Access: Currently restricted to 20 people rising to 30 by the end of 1994.

Charges: All charges currently relate to reproduction of material and copyright.

F.23 Royal Commission on the Ancient and Historical Monuments of Wales (RCAHMW)

Information held: National Monuments Record for Wales

- * Extensive but incomplete holding of OS maps of Wales.
- * Air photographs: both oblique and vertical with emphasis on industrial archaeology.
- * Site reports: principally architectural surveys
- * Publications: records of most national and county archaeological journals and a small working library of monographs.

Availability: Collections are available for consultation.

Storage: Records are indexed on cards. Computer indexing is progressing.

Records are indexed by:

- a) Type of site, each type subdivided by old county boundaries.
- b) National grid reference.

Contact: Royal Commission on the Ancient and Historical Monuments of Wales, Crown Building, Plas Crug, Aberystwyth, Dyfed SY23 INJ.

Approach: By letter initially

Access: The library has reading facilities for up to three people at one time.

Charges: There is a charge for personal research and for copying.

F.24 Royal Commission on the Historical Monuments of England (RCHME)

Information held: The RCHME maintains the National Monuments Record which is divided into three sections:

- * Archaeological
- * Buildings
- * Air Photographs

The National Monuments Record holds vertical and oblique air photographs; site reports, photographs and surveys of archaeological and architectural monuments, national and county journals or books relating to English archaeology or architecture. It includes the National Record of Industrial Monuments (annex E.12) as a card archive and this may be of considerable value in counties where coverage was good.

Availability: The NMR is a public archive and collections are available for consultation. The extent of available relevant information varies between regions and by the type of site.

Storage: Paper, computer and microfilm records. Computer indexes are extensive.

Contact: National Monuments Record Centre
Kemble Drive
Swindon
SN2 2GZ
Tel: 0793 414600 Fax: 0793 414606

Approach: By letter, telephone or fax.

Access: Details of access to RCHME records will be provided on request.

Charges: No charge will be made for the initial enquiry but charges will normally be made for detailed information. Price list on application.

F.25 Soil Survey and Land Research Centre

Information held:

- * Published maps as described in Annex C.3.
- * Unpublished field sheets: These need expert interpretation but may provide useful information on site boundaries where these cannot otherwise be established.
- * National Mapping: For every 10 km square of the country not mapped at large scale there is a file of information compiled for the National Soil Map.
- * Air Photographs: Cover is variable but reasonably comprehensive.
- * Ad hoc surveys: A large number of local surveys has been carried out throughout the country.
- * Personal knowledge: Regional field staff have a detailed knowledge of the areas which they mapped.

	* Actual contamination:	Work carried out for the National Soil Inventory included analysis of soils for certain contaminants from 6000 locations on a 5 km grid.
Availability:		Published maps can be purchased directly from the SSLRC. Other information can be provided subject to its availability.
Storage:		Mostly paper records. These are archived according to the mapping exercise for which the work was undertaken. National Soil Inventory is computer based.
Contact:		Archivist, Soil Survey and Land Research Centre, Silsoe Campus, Silsoe, Bedford, MK45 4DT
Approach:		By letter.
Access:		On receipt of an inquiry SSLRC will provide a structured search request form. On receipt of a completed form they will indicate the extent of information available for the particular district and advise as to whether examination of this information would be worthwhile. If the researcher wishes to pursue the inquiry further, SSLRC will extract information from records and provide interpretation.
Charges:		There would be a standard charge for initial information. Further research would be charged on a time basis.

F.26 Water Companies

Information held:	Register of trade effluent discharge consents.
Availability:	The register of trade effluent discharge consents is a public document.

Storage:	Register of trade effluent discharge consents is normally computerised.
Contact:	Usually Director of Quality or Director of Operations of the relevant regional water company (see below).
Approach:	Written request for information
Access:	The register of trade effluent discharge consents can be examined by any member of the public. Other information will be provided on request.
Charges:	The water companies will normally seek to recover any costs incurred in providing information.

Several water companies have provided specific contact points as indicated below. Where no name is given researchers should enquire at the headquarters address given.

Anglian Water:

Director of Quality,
 Anglian Water Services Ltd,
 Compass House
 Chivers Way
 Histon
 Cambridge CB4 4ZY

Northumbrian Water:

Head of Operations,
 Northumbrian Water Ltd,
 Abbey Road, Pity Me, Durham, DH1 5FJ

Thames Water:

Group Property Manager,
 Thames Water,
 Nugent House,
 Vastern Road,
 Reading, RG1 8DB

Welsh Water:

Chief Scientist (Environment),
Welsh Water,
Plas y Ffynnon,
Cambrian Way,
Brecon,
Powys, LD3 7HP

Wessex Water:

Director of Quality and Regulation,
Wessex Water Services Ltd.,
Wessex House,
Passage Street,
Bristol BS2 OJQ

North West Water:

Environment Regulation Manager,
North West Water Ltd.,
Dawson House,
Great Sankey,
Warrington, WA5 3LW

Severn Trent Water:

Regional Manager, Industrial Services
Severn Trent Water Ltd.,
2297 Coventry Road,
Sheldon,
Birmingham, B26 3PU

Southern Water:

Director of Quality,
Southern Water Services Ltd,
Southern House,
Yeoman Road,
Worthing,
West Sussex,
BN13 3NX

South West Water:
Quality Regulation Manager
Peninsula House,
Rydon Lane,
Exeter,
EX2 7HR

Yorkshire Water:
West Riding House,
67 Albion Street,
Leeds,
LS1 5AA

F.27 Welsh Office

Information Held: Central Register of Air Photography for Wales: extensive collection of air photographs of Wales. The base of the collection is the national 1:10,000 scale survey flown in 1945-1952 by the RAF. The collection has been updated from that time.

Contaminated land in Wales:

Report of partial survey of contaminated land in Wales published in 1988 with accompanying maps at 1:50,000 scale.

Availability: Collections available for public viewing following written request. The extent of available relevant information will vary between regions although coverage is fairly extensive.

The report of the survey of Contaminated Land in Wales is available for inspection in the library or may be purchased.

Storage: Paper records of sortie plots and photographic film.

Contact: Central Register of Air Photography for Wales (Aerial Photographs) or the Map Library (Survey of Contaminated Land in Wales).

The Welsh Office
Planning 9
Room G-003
Crown Offices
Cathays Park
Cardiff
South Glamorgan
CF1 3NQ
Tel: 0222 823819/825111

Approach: By letter or telephone.

Access: Public viewing by prior written arrangement.

Charges: There is a charge for the reproduction of any materials made. The report of the Survey of Contaminated Land in Wales is available at a cost of £5.00. The maps which accompany the report cost £5.30 each. There are 21 of these maps at a scale of 1:50,000.

G SELECTED READING LIST

G.1 GENERAL WORKS ON HISTORIC MAPS

HARLEY, J.B., *Maps for the Local Historian, A Guide to the British Sources*, National Council of Social Services, 1972.

HINDLE, B.P., *Maps for Local History*, Batsford, 1988.

G.2 ORDNANCE SURVEY MAPS

HARLEY, J.B., and PHILLIPS, C.W., *The Historian's Guide to Ordnance Survey Maps*, The Standing Conference for Local History, 1964.

HARLEY, J.B., *Ordnance Survey Maps a descriptive Manual*, Ordnance Survey 1975.

HARLEY, J.B., *The Ordnance Survey and Land-Use Mapping*, Geo Books, 1979.

Ordnance Survey Indexes to the 1/2500 and 6-Inch Scale Maps, David Archer, 1991.

WINTERBOTHAM, H. St. J.L., *The National Plans (the Ten-foot, Five-foot, Twenty-Five-inch and Six-inch Scales)*, Ordnance Survey Professional Papers, New Series No. 16, 1934.

G.3 COUNTY MAPS

SMITH, D., *The Representation of Industry on Large-Scale County Maps of England and Wales 1700 - c.1840*, Industrial Archaeology Review Vol XII Number 2 (Spring 1990) p. 153 - 177.

G.4 GOAD FIRE INSURANCE PLANS

A Catalogue of Fire Insurance Plans Published by Chas. E. Goad Ltd 1878-1970, Chas. E. Goad Ltd, 1984.

ROWLEY, G., *British Fire Insurance Plans*, Chas. E. Goad Ltd, 1984.

G.5 TITHE MAPS

KAIN, R.J.P., and PRINCE, H.C., *The Tithe Surveys of England and Wales*, Cambridge University Press, 1985.

G.6 PILOT STUDIES

DOE., *Pilot Survey of Potentially Contaminated Land in Cheshire - A Methodology for Identifying Potentially Contaminated Sites*, DOE., 1990.

META GENERICS LTD, *Information aspects for Section 143 Registers*, 1992

WELSH OFFICE, *Survey of Contaminated Land in Wales*, Welsh Office, 1988.

G.7 MAP REPOSITORIES

EMMISON, F.G., and SMITH, W.J., *Material for thesis in local record offices and libraries*, Historical Association, 1980.

ROYAL COMMISSION ON HISTORICAL MANUSCRIPTS, *Record Repositories in Great Britain - A Geographical Directory*, HMSO., 9th Ed, 1991.

WATT, I., *A Directory of UK Map Collections*, British Cartographic Society, 2nd Ed, 1985.

G.8 GENERAL WORKS ON INDUSTRIAL ARCHAEOLOGY

BUCHANAN, R.A., *Industrial Archaeology in Britain*, Allen Lane, 2nd Ed 1980.

COSSONS, N., *Book of Industrial Archaeology*, David & Charles, 2nd Ed 1987.

FALCONER, K.A., *Guide to England's Industrial Heritage*, Batsford, 1980.

G.9 NATIONAL INDUSTRIES

CAMPBELL, W.A., *The Chemical Industry*, Longman, 1971.

GALE, W.K.V., *Iron & Steel*, Longman, 1969.

G.10 REGIONAL AND LOCAL INDUSTRIES

- ALDERTON, D. and BOOKER, J., *The Batsford Guide to the Industrial Archaeology of East Anglia*, Batsford 1979
- ASHMORE, O., *The Industrial Archaeology of Lancashire*, David & Charles, 1969.
- ASHMORE, O., *Industrial Archaeology of Stockport*, University of Manchester, 1975
- ATKINSON, F., *Industrial Archaeology of North East England Vols 1 & 2*, David and Charles, 1974
- ATKINSON, F., *Industrial Archaeology of North East England*, David & Charles, 1974
- AWDRY, Rev. W., *Industrial Archaeology in Gloucestershire*, Gloucestershire Society for Industrial Archaeology, 3rd Ed., 1983.
- BOOKER, J., *Essex and the Industrial Revolution*, Essex County Council, 1974.
- BOOKER, F., *The Industrial Archaeology of the Tamar Valley*, David & Charles, 1967
- BOOTH, G., *The Midlands: Industrial Archaeology*, Wayland, 1973.
- BRANCH JOHNSON, W., *Industrial Archaeology of Hertfordshire*, David & Charles, 1970
- BROOK, F., *Industrial Archaeology of the West Midlands*, Batsford, 1977.
- BROOK, F., *The Industrial Archaeology of the British Isles: Vol.1 The West Midlands*, Batsford 1977
- BUCHANAN, C.A. & R.A., *The Batsford Guide to the Industrial Archaeology of Central Southern England*, Batsford 1980.
- BUCHANAN, R.A. & COSSONS, N., *The Industrial Archaeology of the Bristol Region*, David & Charles, 1969.
- CORNFIELD, M.C. (ed), *A Guide to the Industrial Archaeology of Wiltshire*, Wilts. Arch. & Nat. History Soc. and Wilts. County Council, 1978.
- CROCKER, G., *A Guide to the Industrial Archaeology of Surrey*, AIA 1990.
- CURNOW, W.H., *Industrial Archaeology of Cornwall*, Tor Mark Press, 1970.
- DAVIES-SHIEL, M. and MARSHALL, J.D., *The Industrial Archaeology of the Lake District*, David and Charles, 1969
- ELLIS, M. (ed), *Hampshire Industrial Archaeology - A Guide*, Southampton University Industrial Archaeology Group, 1975.
- HARRIS, H., *The Industrial Archaeology of Dartmoor*, David & Charles, 1968.
- HARRIS, H., *The Industrial Archaeology of the Peak District*, David & Charles, 1971
- HARRISON, J.K. & ALMOND, J.K., *Industrial Archaeology in Cleveland - A Guide*, CIAS, 1978
- HASELFOOT, A.J., *The Batsford Guide to the Industrial Archaeology of South East England*, Batsford, 1978.

- LAWS, P., *Industrial Archaeology in Bedfordshire*, Bedfordshire County Council, 1967
- MINCHINTON, W., *Industrial Archaeology in Devon*, DART, 1976.
- NIXON, F., *The Industrial Archaeology of Derbyshire*, David & Charles, 1969.
- PALMER, M. & NEAVERSON, P., *A guide to the Industrial Archaeology of the East Midlands*, AIA, 1986
- PAYNE, G.A., *Surrey Industrial Archaeology*, Phillimore, 1977.
- PRESTON, J.M., *Industrial Medway*, Rochester, 1977.
- PRICE, J.W.A., *The Industrial Archaeology of the Lune Valley*, University of Lancaster, 1983
- RCHME *Architectural Survey of Tyne & Wear UDC Part 1: Tyneside*, RCHME, 1991.
- RCHME, *Architectural Survey of Tyne & Wear UDC Part 2: Wearside*, RCHME, 1992, forthcoming
- RCHME, *Architectural Survey of Bristol UDC*, RCHME, 1991.
- RCHME, *Architectural Survey of Sheffield UDC*, RCHME, 1990.
- RCHME, *Architectural Survey of the Black Country UDC*, RCHME, 1991.
- RCHME, *Architectural Survey of Teeside UDC*, RCHME, 1992 (forthcoming).
- RCHME, *Architectural Survey of Leeds UDC*, RCHME, 1990.
- SHERLOCK, R., *Industrial Archaeology of Staffordshire*, David & Charles, 1976.
- SMITH, D. (ed), *The Industrial Archaeology of South East London*, SELIA, 1982.
- SMITH, D.M., *The Industrial Archaeology of the East Midlands*, David & Charles, 1965
- STARMER, G.H. (Ed), *Industrial Archaeology: Northamptonshire Northampton Museums and Art Galleries*, 1970.
- THOMPSON, W.J., *The Industrial Archaeology of North Staffordshire, Moorland*, 1976
- THOMPSON, W.J. (Ed) *A brief guide to the Industrial Heritage of West Yorkshire*, AIA 1989
- TODD, A.C. and LAWS, P., *Industrial Archaeology of Cornwall*, David & Charles, 1972
- TOMLIN, D.M., *The Salt Industry of the River Tees*, De Archeologische Pers, 1982
- WILSON, A., *London's Industrial Heritage*, David & Charles, 1967.
- WRIGHT, N., *Industrial Archaeology of Lincolnshire*, AIA, 1983.

APPENDICES

- APPENDIX 1 Main Series of OS Published Maps and Plans and Maps of
England and Wales showing History of OS County Series
Mapping
- APPENDIX 2 England and Wales Ordnance Survey 25" Editions (1:2500)
- APPENDIX 3 OS County Series 25" Maps
Details of Revised Editions Subsequent to 3rd Edition
- APPENDIX 4 Maps of England and Wales showing OS published Town Plans
- APPENDIX 5 County Boundaries before 1974
- APPENDIX 6 Local Authority Boundaries in London before 1965
- APPENDIX 7 Goad Fire Insurance Plan Coverage

APPENDIX 1

**Main Series of OS Published
Maps and Plans
and Maps of England and Wales showing
History of OS County Series Mapping**

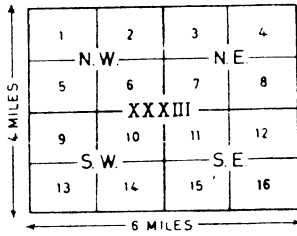
**(Maps from Harley J.B (1964)
"The Historian's Guide to Ordnance Survey Maps")**

APPENDIX 1

Table 1 Main Series of OS Published Maps and Plans

	<u>Imperial Scale</u>	<u>Ratio Scale</u>	<u>Publication Dates</u>		<u>Imperial Scale</u>	<u>Ratio Scale</u>	<u>Publication Dates</u>
Town Plans	10 feet to one mile	1:528	1844 - 1894	National Grid Series 1:1250 (50 inch) maps	50.688 inches to one mile	1:1250	1946 - present
	Approximately 10 feet to one mile	1:500	1855 - 1894				
	5 feet to one mile	1:1,056	1834 - 1866				
Plans of London	5 feet to one mile	1:1,056	1847 - 1945				
County Series							
25 inch maps	25.344 inches to one mile	1:2,500	1853 - 1945		25.344 inches to one mile	1:2,500	1946 - present
6 inch maps	6 inches to one mile	1:10,560	1840 - 1945		6 inches to one mile	1:10,560	1946 - 1968
					6.336 inches to one mile	1:10,000	1969 - present
					2.534 inches to one mile	1:25,000	1945 - present
1 inch maps	1 inch to one mile	1:63,360	1801 - 1945		1 inch to one mile	1:63,360	1945 - 1973
					1.267 inches to one mile	1:50,000	1974 - present

Diagram of 6" full sheet showing 6" quarter sheets and 25" sheet lines



TWENTY-FIVE-INCH AND SIX-INCH FIRST EDITION



Date of Survey

The First Edition of the 25" and 6" maps. The dates of survey of the two series are taken from the *Catalogue of Maps and other Publications of the Ordnance Survey (1924)*. The date of survey of an individual sheet within any county is imprinted on that sheet. The inset above shows how the 25" series is indexed on the 6" sheets. For each county an index was published at a scale of 4 miles to an inch showing the sheet lines of both series. The counties for which the First Edition was issued in parishes were Cheshire, Cumberland, Denbighshire, Durham, Essex (Part of), Flintshire, Glamorgan, Hampshire, Kent, Middlesex, Monmouthshire, Northumberland, Pembrokeshire, Surrey (Part of), Westmorland and the Isle of Man.

TWENTY-FIVE-INCH AND SIX-INCH
SECOND EDITION
OR
FIRST REVISION



Date of Revision

The Second Edition or First Revision of the 25" and 6" maps. The dates of revision are taken from the *Catalogue of Maps and other Publications of the Ordnance Survey (1924)*. The dates of revision of individual sheets are imprinted on those sheets. The series are indexed as the First Edition.

TWENTY-FIVE-INCH AND SIX-INCH
SECOND REVISION



The Second Revision of the 25" and 6" maps was named at its beginning as the Third Edition, but it was never completed. The map therefore indicates the progress of survey before the selective but continuous revision of urban areas was adopted in 1922. The dates of revision are taken from the *Catalogue of Maps and other Publications of the Ordnance Survey* (1924). The series are indexed as the First and Second Editions.



APPENDIX 2

England and Wales Ordnance Survey

25" Editions (1:2500)

Information Provided by National Map Library.



ENGLAND AND WALES ORDNANCE SURVEY 25" EDITIONS (1:2500)

COUNTY	*Parishes **Part parishes	1st ED.	2nd ED.	3rd ED.	REVISED ED.	FURTHER REVISED ED.	SHEETS INVOLVED
Anglesey		1886-7	1899	1914-25			
Bedfordshire		1876-82	1898-1900		1922-6	1939-47	XIII-XXXV
Berkshire		1866-83	1897-9	1911-13	1925-40		
Brecknockshire		1875-88	1902-04		1918-29		
Buckinghamshire		1867-81	1897-9		1920-6	1939-47	IX-LVIII
Caernarvonshire		1885-8	1898-1900	1912-20		1939-47	IV-V
Cambridgeshire		1876-86	1896-1901		1926-7	1939-47	XXXIII-I,IV
Cardiganshire		1875-88	1900-04			1939-47	VI
Cardiganshire		1875-87	1903-06		1914-37		
Cheshire	*	1870-5	1896-8	1909-12	1926-38		
Cornwall	2 vols **	1859-88	1905-07		1914-57		
Cumberland	*	1859-65	1897-1900		1926-8	1939-49	XVI-LXXII
Denbighshire	*	1870-5	1897-9	1911-18	(I-XXVIII) 1939-49		
Derbyshire		1871-82	1896-1900	1914-23	1939-47		
Devonshire	3 vols **	1855-89	1902-05		1908-46		
Dorsetshire		1862-88	1900-02		1924-30	1933-46	XXXIV-LVIII
Durham	*	1854-7	1894-7	1914-22	1942-7		
Essex	**	1861-76	1893-6	1915-24	1936-47		
Flintshire	*	1869-72	1897-8	1911-13			
Glamorganshire	*	1867-78	1896-9		1914-20	1936-47	VIII-I, J
Gloucestershire		1873-85	1898-1902	1914-24	(VI-LXXVIII) 1938-47		

ENGLAND AND WALES ORDNANCE SURVEY 25" EDITIONS (1:2500)

COUNTY	*Parishes **Part parishes	1st ED.	2nd ED.	3rd ED.	REVISED ED.	FURTHER REVISED ED.	SHEETS INVOLVED
Hampshire	*	1856-75	1894-7	1908-11	1924-47		
Herefordshire		1878-87	1901-04		1920-9	1938-39	XXXIII-LI
Hertfordshire		1865-85	1895-7	1913-25	1936-47		
Huntingdonshire		1882-7	1899-1901		1926-7		
Isle of Man	*	1868-70					
Isle of Scilly	see Cornwall						
Isle of Wight	*	1862-3					
Kent	*	1858-73	1893-7	1906-09	1933-47		
Lancashire	3 vols **	1888-93	1090-14(?)		1922-46		
Leicestershire		1879-86	1899-1902		1919-30		
Lincolnshire		1883-8	1896-1906		1919-30		
London		see separate sheet					
Merionethshire		1873-88	1899-1900		(III-XVIII) 1916-40		
Middlesex	*	1862-8	1891-5	1913-15	1936-47		
Monmouthshire	*	1875-85	1898-1900	1919-22	(XXVII-XXXIV) 1916-40		
Montgomeryshire		1874-87	1900-01		(XLV.1,2 only) 1916-40		
Norfolk		1879-86	1900-06		1928-47		
Northamptonshire		1880-7	1898-1900		1925-45		
Northumberland	*	1856-64	1894-7	1916-24	(IXIX-CVIII) 1938-47		

ENGLAND AND WALES ORDNANCE SURVEY 25" EDITIONS (1:2500)

COUNTY	*Parishes **Part parishes	1st ED.	2nd ED.	3rd ED.	REVISED ED.	FURTHER REVISED ED.	SHEETS INVOLVED
Nottinghamshire		1876-85	1897-1899	1914-22	(V) XLI 1940-7		
Oxfordshire		1872-80	1897-1900		1912-25	1934-47	XXVII-LVII
Pembrokeshire		1860-88	1904-06		(IX-XLIII) 1928-46		
Radnorshire		1883-8	1901-04		(XI-XXXVI) 1928-46		
Rutland		1883-4	1899-1903		(V-IX) 1930-47		
Shropshire		1873-84	1899-1902		1926-8		
Somersetshire		1882-8	1900-03		1915-46		
Staffordshire	**	1875-86	1897-1902		1914-25	1939-47	VII-LXXII
Suffolk		1875-85	1900-04		1926-8		
Surrey	**	1861-71	1891-6	1912-17	1934-47		
Sussex		1869-75	1895-8	1090-12	1928-48		
Warwickshire		1880-8	1898-1904		1914-47		
Westmorland	*	1856-9	1896-8	1912-16	(XXXIII-XLVII) 1938-47		
Wiltshire		1873-85	1898-1900	1921-36	1938-47		
Worcestershire		1880-8	1898-1904		1917-28	1939-47	IV-L
Yorkshire		1888-93	1903-15		1919-47		

LONDON

ORDNANCE SURVEY LARGE SCALE MAPPING (Pre National Grid)

	Approximate DATE-SPAN	EDITION	No of Sheets
6 INCHES TO ONE MILE (1,10,560)	1857	(Skeleton)	16 sheets
	1894-6	O.S.Edition of 1894-6	17 sheets
	1913	L.C.C. "Municipal Map"	28 sheets
	1919-21	O.S.Edition of 1919-21	A-J
	1930	L.C.C. "Municipal Map"	28 sheets
next to 25"	1938	O.S.Provisional Edition	A-J
12 INCHES TO ONE MILE (1,5280)	1848-50	(Skeleton)	44 sheets
25 INCHES TO ONE MILE (1,2500)	1869-82	1st Edition	I-XC
	1891-5	2nd Edition	I-CLX
	1912-14	3rd Edition	I-XIV
	(1940)	L.C.C. Revised	I-XIV
5 FEET TO ONE MILE (1,1056)	1848-50	Skeleton (Block Survey)	(17 volumes)
	1871-6	O.S."New Series" 1st edition*	II-XII
	1893-8	O.S. "Extended Series"*** (2nd edition)	I-XVII
	1894-1922	Land Registry Series	I-XVI (omits IX,XIII)
	1894-1937	O.S. Revision of 1894-1937	VI, X only
	1934-9	L.C.C. Revised	II-XVI (omits IX XII,XIV)
	1935-7	O.S. Revision of 1935-7	II, III only
		National Grid (i.e. post-1950)	

APPENDIX 3

OS County Series 25" Maps

Details of Revised Editions Subsequent to 3rd Edition

The following extract is taken from a listing of the 'Revised' and 'Further Revised' editions of the Ordnance Survey County Series 25" sheets held in the British Library Map Library. While there is no reason to suppose that any published sheets were not deposited, or that there are errors in the list, the British Library can give no guarantees as to its completeness or accuracy. The counties are pre-1974 (see Appendix 6 and 7).

BERKSHIRE

REVISED EDITION - 5 VOLUMES

Vol. 1. on spine: I - XIV

I	-	16
II	-	5, 14
VI	-	1-3, 5, 7, 10-11, 13-16
X	-	1-10, 13-14
XII	-	3-4, 6-8, 10-12, 14-16
XIV	-	9-10, 13-14

Vol. 2. on spine: XV - XXIV

XV	-	1-16
XVI	-	1-2, 5-6, 9-10, 13-14
XXII	-	2
XXIII	-	6, 9-12, 14-16
XXIV	-	1-3, 5-7, 9-11, 13-15

Vol. 3. on spine: XXV - XXXIII

XXV	-	3
XXIX	-	9-11, 13-16
XXX	-	2-10, 13-14
XXXI	-	1-3, 5-8, 11-12, 15-16
XXXII	-	5-6, 9-10, 13-15
XXXIII	-	15

Vol. 4. on spine: XXXV - XXXIX

XXXV	-	1.2, 5-6, 9-16
XXXVI	-	8, 11-12, 15
XXXVII	-	1-8, 11-12, 15-16
XXXVIII	-	1-2, 5-6, 8-16
XXXIX	-	3-4, 6-16

Vol. 5. on spine: XL - L

XL	-	2, 3
XLII	-	1, 4, 8, 12
XLIII	-	1-8
XLIV	-	1, 2, 4, 8
XLV	-	3
XLVI	-	1-16
XLVII	-	4, 13
XLVIII	-	1, 5
XLIX	-	4
L	-	1

BEDFORDSHIRE

REVISED EDITION - 4 VOLUMES

Vol. 1. on spine: I - XVI

XI	-	1-16
XII	-	1-16
XVI	-	1-16

Vol. 2. on spine: XVIII - XXIII

XVIII	-	1-16
XXI	-	1-16
XXIII	-	1-7, 9-11, 13-15

Vol. 3. on spine: XXVI - XXIX

XXVI	-	1-15
XXVII	-	1-3, 5, 6
XXVIII	-	2-4, 6-8, 10-12, 14-16
XXIX	-	1-16

Vol. 4. on spine: XXX - XXXV

XXX	-	1-3, 5, 6, 9, 10, 13, 14
XXXI	-	2-3, 7, 8, 12
XXXII	-	1-16
XXXIII	-	1-3, 5-7, 9-11, 13-15
XXXIV	-	2, 3, 6
XXXV	-	2, 3

BEDFORSHIRE

FURTHER REVISED - 1 VOLUME

Vol. 1. on spine: XIII - XXXV

XIII	-	11, 13-16
XVI	-	3
XVIII	-	3
XXII	-	11, 13, 15, 16
XXIII	-	9, 10, 13-15
XXVII	-	2, 3, 10
XXVIII	-	6, 7, 10, 11, 14, 15
XXXII	-	2, 3, 5-7
XXXV	-	2

BUCKINGHAMSHIRE

REVISED EDITION - 9 VOLUMES

Vol. 1. on spine: I - XII

V	-	i-16
VII	-	12, 15-16
IX	-	2-4, 7-8, 10-12, 14-16
X	-	1-16
XII	-	3-4, 7-8, 12, 16

Vol. 2. on spine: XIII - XVI

XIII	-	1-16
XIV	-	1-16
XV	-	1-16

Vol. 3. on spine: XVII - XX

XVII	-	4, 8, 12, 16
XVIII	-	1-16
XIX	-	1-16
XX	-	1-11, 13-16

Vol. 4. on spine: XXI - XXVII

XXI	-	4, 8, 12, 16
XXIV	-	1-16
XXV	-	9, 13-14
XXVI	-	7, 11-12, 15-16
XXVII	-	1-16

Vol. 5. on spine: XXVIII - XXXI

XXVIII	-	1-16
XXIX	-	1-16
XXX	-	1-3, 5-7, 9-11, 13-15
XXXI	-	3-4, 7-8, 12, 16

Vol. 6. on spine: XXXII - XXXVII

XXXII	-	1-16
XXXIII	-	1-16
XXXVI	-	1, 4, 8
XXXVII	-	1-16

Vol. 7. on spine: XXXVIII - XLI

XXXIX	-	1-11, 13-15
XL	-	8, 12, 16
XLI	-	1-16
XLII	-	1-16

Vol. 8. on spine: XLIII - XLVII

XLIII	-	1-16
XLV	-	4, 8, 12, 16
XLVI	-	1-16
XLVII	-	1-16

Vol. 9. on spine: XLVIII - LVI

XLVIII	-	1-16
LI	-	1-5, 7-8
LII	-	1, 4, 8, 12, 16
LIII	-	1-16
LVI	-	1-8, 11-12, 16

BUCKINGHAMSHIRE

FURTHER REVISED - 1 VOLUME

Vol. 1 on spine: IX - LVIII

IX	-	11-12, 14-16
XIII	-	2, 10-11
XV	-	5, 13
XX	-	1
XXII	-	2
XXXVII	-	13
XLVI	-	16
XLVII	-	13
XLVIII	-	5, 10-12, 15-16
XLLX	-	9, 13
LI	-	4
LII	-	12, 16
LIII	-	1-3, 5-6, 9-16
LIV	-	1, 5, 9, 13
LV	-	4
LVI	-	1-4, 7-8, 11-12, 16
LVII	-	1, 5, 9
LVIII	-	4, 7-8

BRECKNOCKSHIRE

REVISED EDITION - 2 VOLUMES

Vol. 1. on spine: XVII - XLIII

XVII	-	11-12, 14-16
XXX	-	1-2, 5, 9, 13
XXXVI	-	1, 5-6, 9-10, 13-14
XL	-	11-12, 15
XLII	-	1-2, 5-6, 9-10, 13-14
XLIII	-	1-15

Vol. 2. on spine: XLIV - LI

XLIV	-	1, 5-6, 9-12, 14-16
XLV	-	11-12, 16
XLVI	-	1, 2, 5-7, 9, 13
XLVII	-	2-4, 6-8
XLVIII	-	1, 5
XLIX	-	3-4
L	-	1-7
LI	-	1

CAERNARVONSHIRE

FURTHER REVISED - 1 VOLUME

BOUND WITH CAMBRIDGESHIRE & CARDIGANSHIRE

IV - 8
V - 1-2, 5-6, 9

CAMBRIDGESHIRE

REVISED EDITION - 7 VOLUMES

Vol. 1. on spine: IV - XI

IV - 1-3, 5-6, 9-10, 13-15
VII - 1-3, 5-7, 9-16
X - 2-4, 6-16
XI - 1-16

Vol. 2. on spine: XII - XV

XII - 1-16
XIV - 1-16
XV - 1-16

Vol. 3. on spine: XVI - XXI

XVI - 1-16
XIX - 3-4
XX - 2-4, 6-8, 10-12, 15-16
XXI - 1-16

Vol. 4. on spine: XXII - XXVI

XXII - 1-16
XXIV - 12, 16
XXV - 1-16
XXVI - 1-16

Vol. 5. on spine: XXVII - XXXV

XXVII - 1-2, 5, 9, 13
XXVIII - 4, 8, 12, 15-16
XXX - 1-16
XXXII - 14-16
XXXIII - 3-16
XXXV - 1-16

Vol. 6. on spine: XXXVI - XL

XXXVI - 1-2, 5-16
XXXIX - 1-16
XL - 1-16

Vol. 7. on spine: XLI - LXIII

XLI - 1-16
XLII - 1-7, 9-16
XLVII - 1-16
LVI - 1-2, 5-6, 9, 13
LXIII - 1-2

CAMBRIDGESHIRE

FURTHER REVISED - 1 VOLUME

BOUND WITH CAERNORVONSHIRE + CARDIGANSHIRE

XXXIII - 8
XXXIV - 9-10, 13-14
XXXVIII - 3-4, 7-8
XXXIX - 14-15
XLVI - 2, 7
XLVIII - 9
LIII - 3-4, 7-8, 12
LIV - 7

CARDIGANSHIRE

FURTHER REVISED - 1 VOLUME

BOUND WITH CAERNORVONSHIRE + CAMBRIDGESHIRE

VI - 9-10, 13-14

CARMARTHENSHIRE

REVISED EDITION - 2 VOLUMES

Vol. 1. on spine: XXXIX - LIII

XXXIX - 2, 6
XLVII - 1-16
XLVIII - 1-16
XLIX - 1-11, 13-15
LIII - 1-8, 10-12, 14-16

Vol. 2. on spine: LIV - LIX

LIV - 1-16
LV - 1-3, 5-7, 9-10, 13-14
LVII - 2-4, 7-8
LVIII - 1-8, 10-12, 15-16
LIX - 1-2, 5, 9, 13 [1-2+5 ALSO FURTHER REVISED SHEETS]

CHESHIRE REVISED EDITION - 3 VOLUMES

Vol. 1 on spine: VI - XII

VI	-	15-16
VII	-	6-7, 9-11, 13-16
IX	-	9-13
XI	-	3-4, 7
XII	-	3-4, 7-8, 11-12, 15-16

Vol. 2. on spine: XIII - XVIII

XIII	-	1-16
XIV	-	13
XVII	-	6-7, 9, 11
XVIII	-	1-3, 5-7, 9-11, 13-15

Vol. 3. on spine: XIX - XXXVIII

XIX	-	4, 7-8, 11-12, 15-16
XX	-	1-2, 5-6, 9
XXI	-	4, 8
XXII	-	1-8, 10, 12
XXIII	-	1, 5, 13
XXIV	-	3-4, 7-8
XXVIII	-	1-3, 5-6, 9
XXXI	-	1-8
XXXVIII	-	3-4, 6-8

CUMBERLAND REVISED EDITION - 10 VOLUMES

Vol. 1. on spine: XI - XV

XI	-	1-16
XII	-	1-16
XIII	-	1, 5, 9, 13
XIV	-	4, 7-8, 10-12, 14-16
XV	-	5, 9-16

Vol. 2. on spine: XVI - XVIII

XVI	-	1-16
XVII	-	1-16
XVIII	-	1-7, 9-16

Vol. 3. on spine: XX - XXIII

XX	-	4, 8, 11-12, 15-16
XXI	-	3-4, 7-16
XXII	-	1-16
XXIII	-	1-16

Vol. 4. on spine: XXIV - XXIX

XXIV	-	1-16
XXVII	-	3-4, 7-8, 10-12, 14-16
XXVIII	-	1-16
XXIX	-	1-16

Vol. 5. on spine: XXXV - XLV

XXXV	-	2-4, 6-8, 10-16
XXXVI	-	1-16
XLIV	-	4, 8, 11-12, 15-16
XLV	-	1-16

Vol. 6. on spine: XLVI - L

XLVI	-	1-16
XLIX	-	1-16
L	-	1-16

Vol. 7. on spine: LIII - LV

LIII	-	3-4, 6-8, 10-12, 14-16
LIV	-	1-16
LV	-	1-16

CORNWALL REVISED EDITION - 2 VOLUMES

VOL 1 ON SPINE M - L

M	-	11-12, 15-16
V	-	3-4, 7-8, 11-12, 15-16
XVII	-	1, 5-6
XXXI	-	16
XXXVIII	-	9, 13
XXXIX	-	3-4, 7-8
XLV	-	3-4, 7-8, 11-12, 15-16
XLVI	-	1, 5, 9, 13-14
XLVIII	-	2, 5-6
L	-	1-8, 11-12, 15-16

Vol. 2. on spine: LI - LXXV

LI	-	1-10
LIV	-	3-4, 7-8, 12
LV	-	1-2, 5-6, 9-10, 13-14
LVII	-	11-12, 15-16
LXI	-	7-8, 11-12, 16
LXII	-	5, 9, 13-14
LXIII	-	8, 11-12, 15
LXIX	-	1-2, 5-6, 11-12, 15-16
LXXIII	-	13
LXXIV	-	1-6, 8-10, 13-14
LXXV	-	5-7, 16

CUMBERLAND REVISED EDITION Cont. - 10 VOLUMES

Vol. 8. on spine: LVIII - LXII

LVIII	-	2-15
LIX	-	1-6, 8
LXI	-	2-4, 6-8, 10-12, 14-16
LXII	-	1-16

Vol. 9. on spine: LXIV - LXVIII

LXIV	-	1-16
LXVII	-	2-16
LXVIII	-	1-3, 5-11, 13-14

Vol. 10. on spine: LXXII - XC

LXXII	-	1-8, 10-12, 14-16 [5 INSERT ON SHEET 1, 14 INSERT ON SHEET 10]
LXXIII	-	10]
LXXVIII	-	1-2, 5-6, 9-10, 13-15
LXXXVII	-	3-4, 7-8, 12, 16, [11 INSERT ON SHEET 16]
LXXXVIII	-	2-3, 5-7, 9-11, 13-15
LXXXIX	-	4
XC	-	1-3, 5, 7

CUMBERLAND FURTHER REVISED - 1 VOLUME

BOUND WITH DENBIGHSHIRE

XVI	-	11-12, 15-16
XXIII	-	2-4, 7-8, 11-12, 15-16
XXIV	-	1-2, 5-6, 13
LXI	-	10, 14
LXIV	-	6
LXVII	-	2, 5-6, 10
LXXII	-	12

DENBIGHSHIRE FURTHER REVISED - 1 VOLUME

BOUND WITH CUMBERLAND

I.	-	14-15 [14 WITH 15]
III.	-	2-4, 6-8
IV.	-	1, 5-6 [1 WITH 5]
XXVIII	-	3-4, 7-8, 12

DERBYSHIRE

REVISED EDITION - 4 VOLUMES

Vol. 1. on spine: V - XXIV

V	-	10-16
VIII	-	3, 7-8, 11-12, 15-16
IX	-	9-10, 13-14
X	-	1-2, 5-7, 11
XII	-	8, 11-12, 15-16
XIII	-	5, 9-10, 13-14
XV	-	6
XVIII	-	5, 11-12, 15-16
XXII	-	5
XXIV	-	12

Vol. 2. on spine: XXV - XXXIX

XXV	-	3-4, 7-8, 11-12, 14-16
XXVI	-	8, 11-12, 15-16
XXIX	-	5, 9-10, 13-14
XXX	-	3-4, 7-8, 11-12, 15-16
XXXI	-	1-8
XXXV	-	3-4, 7-8, 11-12, 15-16
XXXVI	-	1, 5, 9, 13
XXXIX	-	16

Vol. 3. on spine: XL - L

XL	-	1-16
XLI	-	13
XLIV	-	12
XLV	-	1-7, 13, 16
XLVI	-	1, 5-6, 9-10, 13-14
XLIX	-	3-4, 7-8, 15
L	-	1-2, 5-6, 10-12, 15-16

Vol. 4. on spine: LI - LX

LI	-	1-2, 5-6, 9-10, 13-14
LIII	-	11
LIV	-	3-4, 7-8, 14
LV	-	3-4, 7-8, 10, 15
LVI	-	1, 3-4, 7-8
LVII	-	1-2, 6
LVIII	-	6
LIX	-	4, 7-8
LX	-	3-4, 7-10, 13-14

DEVONSHIRE

REVISED EDITION - 6 VOLUMES

Vol. 1. on spine: IV - LXXX

IV	-	3-4, 7-8
V	-	1-2, 5-6
XII	-	10, 13-14, 16A [16A INSET AND 13]
XIII	-	1-8
XIX	-	1-2, 5-6
XLV	-	3-4, 7-8
LXXVI	-	3-4, 7-8
LXXVII	-	5
LXXIX	-	12
LXXX	-	1-16

Vol. 2. on spine: LXXXII - XC

LXXXII	-	9-16
LXXXIII	-	7, 11-12, 15-16
XC	-	1-2, 5-7, 9-11, 13-14
XCII	-	3-4, 6-8
XCIII	-	9-16
XCIV	-	1-6
C	-	4, 16

Vol. 3. on spine: CI - CX

CI	-	3-5, 7-16
CII	-	11-12, 15-16
CIII	-	1-7, 9
CVIII	-	16
CIX	-	2-4, 7-8, 11-12, 15-16
CX	-	1-7, 10

Vol. 4. on spine: CXIV - CXXI

CXIV	-	3-4, 6-8, 10-11
CXV	-	3-4, 7-8
CXVI	-	1-3, 5-6, 9-11, 13-15
CXVII	-	3-4, 7-8, 10-12, 14-16
CXXI	-	1-8, 11-12, 15-16

Vol. 5. on spine: CXXII - CXXIV

CXXII	-	1-2, 5, 9, 13-15
CXXIII	-	2-4, 7-8, 11-12, 15-16
CXXIV	-	1-16

Vol. 6. on spine: CXXVII - CXXXVI

CXXVII	-	16
CXXVIII	-	1-3, 5-7, 13
CXXIX	-	3-4, 8, [3 IS INSET ON SHEET 4]
CXXX	-	1-8, 10-12, 14-16
CXXXII	-	15
CXXXVI	-	2-3, 15

DORSETSHIRE REVISED EDITION - 7 VOLUMES

Vol. 1. on spine: IV - VIII

IV	-	1-2, 5-6, 9-15 [11 IS INSET ON 15]
V	-	3, 4, 6-8, 10-12, 14-16
VI	-	1, 5-16
VIII	-	1-16

Vol. 2. on spine: XI - XX

XI	-	2-4, 6-8, 10-16
XII	-	1-16
XIX	-	12-16
XX	-	4-16

Vol. 3. on spine: XXIV - XXXVI

XXIV	-	1-16
XXXIV	-	1, 3-16
XXXV	-	1-16
XXXVI	-	4, 8, 12, 16
XXXVII	-	13

Vol. 4. on spine: XXXVII - XL

XXXVII	-	1-12, 16
XXXVIII	-	1-16
XL	-	1-16

Vol. 5. on spine: XLIII - XLVII

XLIII	-	1-16
XLIV	-	1-7, 9-11, 13-15
XLVII	-	1-16

Vol. 6. on spine: XLIX - LI

XLIX	-	1-3, 5-16
L	-	1-16
LI	-	1-3, 5-6, 9-10, 13

Vol. 7. on spine: LIII - LX

LIII	-	1-11, 13-15
LVI	-	1-16
LVII	-	1-2, 5-6, 9-10, 13
LVIII	-	1-7, 11-12, 15-16
LIX	-	2-3
LX	-	2-3, 6-7

DORSETSHIRE FURTHER REVISED - 1 VOLUME

Vol. 1. on spine: XXXIV - LVIII

XXXIV	-	6, 8, 11-12, 15-16
XXXV	-	5, 9-10, 13-14
XLIII	-	3-4, 7-8, 11-12, 15-16
XLIV	-	1-2, 5-7, 9-11, 13-15
XLVII	-	14
L	-	1-2, 5-6
LI	-	1-3, 5-6
LIII	-	1-11, 13-15
LV	-	5
LVIII	-	1-2, 6

DURHAM REVISED EDITION - 8 VOLUMES

Vol. 1. on spine: I - VI

I	-	11-12, 15-16
II	-	9-10, 13-16
III	-	7-8, 10-16
IV	-	1, 6, 9-11, 13-15
V	-	2-4, 6-8, 11-12, 15-16
VI	-	1-16

Vol. 2. on spine: VII - XII

VII	-	1-6, 9-16
VIII	-	1-3, 5-7, 9-11, 13-15
XI	-	2-16
XII	-	1-5, 7-16

Vol. 3. on spine: XIII - XIX

XIII	-	1-16
XIV	-	1-3, 5-7, 9-11, 13-14
XVIII	-	1-8
XIX	-	1-16

Vol. 4. on spine: XX - XXVI

XX	-	1-16
XXI	-	1-16
XXV	-	9-16
XXVI	-	1-8, 11-12, 15-16

Vol. 5. on spine: XXVII - XXXIV

XXVII	-	1-14, 16
XXVIII	-	1-16
XXIX	-	5, 9, 13-14
XXXIII	-	3-4, 7-10, 13-14
XXXIV	-	1-2, 5-6, 8-16

Vol. 6. on spine: XXXV - XLI

XXXV	-	1-16
XXXVI	-	1-10, 13-14
XXXVII	-	1-2, 5-16
XLI	-	11-12, 15-16

DURHAM REVISED EDITION Cont. - 8 VOLUMES

Vol. 7. on spine: XLII - L

XLII	-	1-15
XLIII	-	1-8
XLIV	-	1-2, 5-6, 11-12, 15-16
XLV	-	1-8, 11-12, 15-16
XLVIII	-	3-4, 7-8
XLIX	-	1-2, 5-6, 9-10, 13-14
L	-	4, 7-8, 11-12, 15-16

Vol. 8. on spine: LI - LVII

LI	-	1-10, 13
LII	-	3-4, 8
LIII	-	1-2, 5-6
LIV	-	3-4, 7-8, 11-12
LV	-	1-16
LVI	-	3-4, 7-8, 11, 15
LVII	-	1-2, 6

Vol. 1. on spine: XXVIII - LX

XXVIII	-	11-12, 14
XXXII	-	6, 10
XXXV	-	1-2, 6, 12, 16
XXXVII	-	1-2, 4-8, 12
XXXVIII	-	1, 5, 9
XLIX	-	7, 9, 10-14
LI	-	4, 8-10, 13-14
LIV	-	9-16
LIX	-	1-2
LX	-	8, 10, 12-14

Vol. 2. on spine: LXI - LXXIV

LXI	-	5
LXIII	-	2-4
LXIX	-	1-8, 11-12
LXX	-	9-10, 13-15
LXXI	-	1-2, 5-7, 9-10, 12-16
LXXII	-	9, 11-13, 15
LXXIII	-	11, 13, 15-16
LXXIV	-	13

Vol. 3. on spine: LXXVII - LXXXI

LXXVII	-	4, 8, 12, 16
LXXVIII	-	1-12, 14-16
LXXIX	-	1-10, 12-15
LXXX	-	4, 7-14, 16
LXXXI	-	1, 3-4, 7-16

Vol. 4. on spine: LXXXII - LXXXVII

LXXXII	-	1-16
LXXXIII	-	1-2, 5-6, 9-16
LXXXVI	-	2-4, 6, 8
LXXXVII	-	1-2, 4-12, 14-16

Vol. 5. on spine: LXXXIX - XCVI

LXXXIX	-	1-5, 8, 11-16
XC	-	1-7, 9-11
XCI	-	1-2, 4-6, 8
XCIV	-	2-4, 8
XCV	-	1-3, 5, 9, 12
XCVI	-	5

Vol. 1. on spine: I - IX

I	-	12, 16
III	-	16
IV	-	13
VI	-	10, 11, 14-16
VII	-	4, 8, 11, 12, 15, 16
VIII	-	1-16
IX	-	1-16

Vol. 2. on spine: X - XIV

X	-	1, 2, 5-13
XI	-	8-16
XII	-	2-16
XIII	-	5, 9, 13, 14
XIV	-	3, 4, 6-8, 10-12, 14-16

Vol. 3. on spine: XV - XVII

XV	-	1-16
XVI	-	1-16
XVII	-	1-16

Vol. 4. on spine: XVIII - XXI

XVIII	-	1-16
XIX	-	1-16
XX	-	1-2, 5-6, 9-10, 13-14
XXI	-	7-8, 11-12, 15-16

Vol. 5. on spine: XXII - XXIV

XXII	-	3-16
XXIII	-	1-15
XXIV	-	1-10, 12

Vol. 6. on spine: XXV - XXVII

XXV	-	2-16
XXVI	-	1-16
XXVII	-	2-16

Vol. 7. on spine: XXVIII - XXXII

XXVIII	-	1-16
XXIX	-	1, 5, 6, 9, 10, 13-16
XXX	-	3, 4, 7, 8, 10-12
XXXI	-	1-11, 15
XXXII	-	1-9

Vol. 8. on spine: XXXIII - XXXV

XXXIII	-	1-4, 6-8, 10-12, 14-16
XXXIV	-	1-16
XXXV	-	1-16

Vol. 9. on spine: XXXVI - XXXIX

XXXVI	-	1-16
XXXVII	-	1-16
XXXVIII	-	1, 5, 9, 13
XXXIX	-	3, 4, 7, 8, 11, 12, 15, 16

Vol. 10. on spine: XL - XLII

XL	-	1-16
XLI	-	1-16
XLII	-	1-16

Vol. 11. on spine: XLIII - XLV

XLIII	-	1-16
XLIII ^A	-	9
XLIV	-	2-4, 6-8, 10-12, 15, 16
XLV	-	1-16

Vol. 12. on spine: XLVI - LI

XLVI	-	1-16
XLVII	-	1-11, 13-15
XLVIII	-	4
XLIX	-	1-8, 12
L	-	1-11
LI	-	1-3, 5

GLAMORGANSHIRE

FURTHER REVISED - 4 VOLUMES

Vol. 1. on spine: VIII - XVI

VIII	-	11-12, 15-16
IX	-	9-10, 13-14
XIV	-	3-4, 6-16
XV	-	1-16
XVI	-	1-2, 5-6, 9-16

GLOUCESTERSHIRE

REVISED EDITION - 1 VOLUME

Vol. 1. on spine: VI - LXXVIII

VI	-	15
VII	-	5-6, 9-10, 13-14
XIV	-	1
XXV	-	4, 11-12, 14-16
XXXII	-	7, 11
XXXIII	-	1-8
XXXIV	-	1-2, 5-6
XLI	-	8, 15-16
XLVII	-	16
XLIX	-	2-4, 7-8, 12, 15
LXIII	-	10-11
LXIV	-	2, 11-12, 15-16
LXVIII	-	1-2, 5, 9-16
LXXI	-	3-4, 7-8
LXXII	-	1-8
LXXVIII	-	9

GLAMORGANSHIRE

FURTHER REVISED Cont. - 4 VOLUMES

Vol. 2. on spine: XXIII - XXXIV

XXIII	-	3-4, 8
XXIV	-	3-4, 7-8
XXV	-	1-10, 13-14
XXVI	-	9-16
XXVIII	-	11, 15
XXIX	-	9-10, 13
XXXIII	-	1-2, 6, 10-12, 14-16
XXXIV	-	3-4, 7-16

Vol. 3. on spine: XXXVI - XLII

XXXVI	-	1-16
XXXVII	-	1-2, 5-6, 9-16
XXXIX	-	3-4, 7-8, 11-12, 15-16
XL	-	1-16
XLII	-	1-8, 11-12, 15-16

Vol. 4. on spine: XLIII - LI

XLIII	-	1-16
XLVI	-	3-4, 7-8, 11, 15-16
XLVII	-	1-11, 13-15
XLIX	-	3-4, 7-8, 12
L	-	1-10
LI	-	1-3, 5

GUERNSEY

REVISED EDITION - 1 VOLUME

Vol. 1 on spine: I - IV

I	-	15-16
II	-	2-4, 6-16
III	-	3-4, 7-8, 11-12, 16
IV	-	1-3, 5-7, 9-11, 13-15

Vol. 1 on spine: IV - XVI

IV - 14
 VII - 8, 11-12, 16
 XII - 3-4, 7-16
 XIII - 5, 9-10, 13
 XIV - 14-16
 XV - 3-4, 7-16
 XVI - 11-12, 15-16

Vol. 2 on spine: XVII - XIX

XVII - 9-16
 XVIII - 1-16
 XIX - 1-8, 11-12, 15-16

Vol. 3. on spine: XX - XXII

XX - 1-8, 11-12, 15-16
 XXI - 1-2, 5-6, 9-10, 13-14
 XXII - 2-4, 6-8, 10-12, 15-16

Vol. 4. on spine: XXIII - XXXV

XXIII - 1-8, 11-12, 15-16
 XXIV - 1-8
 XXV - 1-2, 5-6
 XXVIII - 11, 15
 XXX - 3-4, 7-8, 11-12, 15-16
 XXXII - 3-4, 7-8
 XXXIII - 1-2, 5-6, 9-10, 13-14
 XXXV - 3-4, 7-11, 13-14

Vol. 5. on spine: XXXVI - XLVIII

XXXVI - 11-12, 14-16
 XXXVII - 9, 13-14
 XXXIX - 12
 XL - 3-4, 7-8, 11-12, 15-16
 XLI - 7, 9-10, 13-14
 XLII - 1-2, 5-6, 9-10, 13-14
 XLIII - 1
 XLIV - 2, 8, 12
 XLV - 1-2
 XLVI - 13-16
 XLVII - 4, 8, 16
 XLVIII - 11-12, 15-16

Vol. 6. on spine: XLIX - LIV

XLIX - 3-4, 7-16
 L - 1-2, 5-6, 9-10, 13-14
 LII - 11-12, 15-16
 LIII - 1-2, 5-6, 9, 13
 LIV - 1-16

Vol. 7. on spine: LIV^A - LVIII

LIV^A - 2-4, 6-8, 11-12, 16
 LV - 4-6, 8-10, 12-16
 LVI - 2-4, 7-8
 LVII - 3-4, 7-16
 LVIII - 1-2, 5-6, 9-14

Vol. 8. on spine: LX - LXV

LX - 3-4, 7-16
 LXII - 3-4, 6, 8, 10-12, 14-16
 LXIV - 3-4, 7-8, 11-12, 15-16
 LXV - 1-16

Vol. 9. on spine: LXVI - LXXI

LXVI - 1-2, 5-6, 11-12, 15-16
 LXVII - 9-16
 LXVIII - 1-16
 LXX - 9-16
 LXXI - 9-10, 13-14

Vol. 10. on spine: LXXIII - LXXIV

LXXIII - 1-16
 LXXIV - 1-16

Vol. 11. on spine: LXXV - LXXVII

LXXV - 1-16
 LXXVI - 1-16
 LXXVII - 12, 15-16

Vol. 12. on spine: LXXVIII - LXXXIII

LXXVIII - 13-14
 LXXIX - 9-16
 LXXXI - 3-4, 7-8
 LXXXII - 1-5, 8-9, 13-14
 LXXXIII - 1-12, 14-16

Vol. 13. on spine: LXXXIV - LXXXV

LXXXIV - 1-5, 7-13, 15-16
 LXXXV - 3-4, 7-8, 12, 16

Vol. 14. on spine: LXXXVI

LXXXVI - 1-16

Vol. 15. on spine: LXXXVII - LXXXVIII

LXXXVII - 1-13
 LXXXVIII - 1-7, 9-11, 13-14

Vol. 16. on spine: XC - C

XC - 1-2, 5-6, 9-16
 XCI - 9-11, 13-15
 XCII - 3-4
 XCIII - 3-4, 7-8
 XCIV - 1-2, 5-6
 XCVI - 3-4, 7-8
 XCVII - 1-4, 6-8, 11-12, 15-16
 XCIX - 9, 13
 C - 1-6

HEREFORDSHIRE

REVISED EDITION - 6 VOLUMES

Vol. 1. on spine: III - XII

III	-	1, 5, 9-11, 13-15
V	-	4, 8, 12, 15-16
X	-	3-4, 6-8, 10-12, 14-16
XI	-	1-16
XII	-	1-16

Vol. 2. on spine: XIII - XIX

XIII	-	1-3, 5-6, 8-16
XVII	-	1-16
XIX	-	1-16

Vol. 3. on spine: XX - XXXIII

XX	-	1-16
XXI	-	1-16
XXII	-	1, 5
XXXIII	-	1-16

Vol. 4. on spine: XXXIV - XXXIX

XXXIV	-	1-16
XXXV	-	1-16
XXXIX	-	1-16

Vol. 5. on spine: XL - XLIII

XL	-	1-16
XLI	-	1-16
XLII	-	1-2, 5-6, 9, 13
XLIII	-	3-4, 7-8, 11-12, 15-16

Vol. 6. on spine: XLIV - LIV

XLIV	-	11-12, 15-16
XLVIII	-	4
XLIX	-	1-6, 8
L	-	1-2, 5-6, 9-10, 14
LI	-	1-16
LIII	-	2-4, 7-8, 11-12
LIV	-	1-2, 5, 9-10, 14

HEREFORDSHIRE

FURTHER REVISED - 1 VOLUME

Vol. 1. on spine: XXXIII - LI

XXXIII	-	7, 12, 15-16
XXIV	-	13
LI	-	0

HERTFORDSHIRE

REVISED EDITION - 3 VOLUMES

Vol. 1. on spine: IV - XXXIII

IV	-	8-9
V	-	5
VII	-	4, 7-8, 11-16
VIII	-	1-2, 5-6
XX	-	8, 11-12, 14-16
XXII	-	2
XXVIII	-	3-4, 7-8, 11-12, 15-16
XXIX	-	12
XXX	-	9-10, 13-14
XXXII	-	3-4, 7-8
XXXIII	-	1-2, 5-6, 8, 11-12

Vol. 2. on spine: XXXIV - XL

XXXIV	-	3-4, 7-8, 11-12, 15-16
XXXV	-	1-16
XXXVI	-	16
XXXVII	-	1
XXXIX	-	2-4, 6-10, 13-15
XL	-	1-10, 13-14, 16

Vol. 3. on spine: XLI - XLVII

XLI	-	1-12, 16
XLIII	-	3, 6-7, 11-12, 15-16
XLIV	-	3-15
XLV	-	1-8, 11
XLVI	-	9
XLVII	-	3

HUNTINGDONSHIRE

REVISED EDITION - 3 VOLUMES

Vol. 1. on spine: II - XI

II	-	10, 13-15
V	-	1-16
VI	-	9, 13-14
VIII	-	12
IX	-	1-16
X	-	1-2, 5-16
XI	-	1, 5, 9, 13-14

Vol. 2. on spine: XIII - XVIII

XIII	-	1-16
XIV	-	1-16
XV	-	1-3, 5-7, 9-11, 13-15
XVIII	-	1-16

Vol. 3. on spine: XIX - XXV

XIX	-	1-3, 5-7, 9-11, 13-14
XXI	-	1-16
XXII	-	1-13
XXIII	-	1-2
XXV	-	1-9, 11-12, 15-16

Vol. 1. on spine: II - VIII

II - 11, 12, 14-16
 III - 1, 5, 9, 10, 13-15
 III^A - 13
 VII - 10-12, 14-16
 VIII - 2-16

Vol. 2. on spine: IX - X

IX - 1-16
 X - 1, 2, 5-16

Vol. 3. on spine: XI - XV

XI - 1-16
 XII - 3, 4, 7, 8
 XIII - 1, 5, 6, 9-16
 XIV - 9, 10, 13, 14
 XV - 2-4, 7, 8, 11, 12, 15, 16

Vol. 4. on spine: XVI - XVII

XVI - 1-16
 XVII - 1-16

Vol. 5. on spine: XVIII - XIX

XVIII - 1-16
 XIX - 1-16

Vol. 6. on spine: XX - XXIII

XX - 1, 2, 5, 6, 9, 10, 13, 14
 XXI - 1-16
 XXII - 3, 7
 XXIII - 8-16

Vol. 7. on spine: XXIV - XXVII

XXIV - 5, 6-16
 XXV - 4-16
 XXVI - 1, 2, 5, 6, 9, 10, 13, 14
 XXVII - 4, 8, 12, 16

Vol. 8. on spine: XXVIII - XXIX

XXVIII - 1-16
 XXIX - 1-16

Vol. 9. on spine: XXX - XXXI

XXX - 1-16
 XXXI - 1-16

Vol. 10. on spine: XXXII - XXXV

XXXII - 1-11, 13, 14
 XXXIII - 1, 2, 5, 6, 9-16
 XXXIV - 3, 4, 7, 8
 XXXV - 1-16

Vol. 11. on spine: XXXVI - XXXIX

XXXVI - 1-16
 XXXVII - 1-11, 13-15
 XXXVIII - 1, 5
 XXXIX - 1-16

Vol. 12. on spine: XL - XLII

XL - 1-16
 XLI - 1-16
 XLII - 1-16

Vol. 13. on spine: XLIII - XLIX

XLIII - 9
 XLV - 11, 12, 15, 16
 XLVII - 1-16
 XLVIII - 1-16
 XLIX - 1-16

Vol. 14. on spine: L - LII

L - 1-16
 LI - 1-16
 LII - 1-16

Vol. 15. on spine: LIII - LVII

LIII - 5, 6, 9-16
 LIV - 4, 7, 11, 15, 16
 LV - 11, 12, 15, 16
 LVI - 3, 4, 7, 8, 11, 12, 15, 16
 LVII - 1-16

Vol. 16. on spine: LVIII - LX

LVIII - 1-16
 LVIII^A - 1, 5, 9, 13
 LIX - 1-12, 16
 LX - 1-16

Vol. 17. on spine: LXI - LXV

LXI - 1-16
 LXII - 1-16
 LXIV - 3, 4, 7, 8
 LXV - 1-16

Vol. 18. on spine: LXVI - LXVIII

LXVI - 1-16
 LXVII - 1-16
 LXVIII - 1-15
 LXVIII^A - 1

Vol. 19. on spine: LXIX - LXXIII

LXIX - 1-4, 6-8, 10-12, 15, 16
 LXIX^A - 3, 4
 LXX - 1-16
 LXXI - 13
 LXXII - 3, 4, 8, 10
 LXXIII - 3, 4, 7, 8, 11, 12, 15, 16

Vol. 20. on spine: LXXIV - LXXVI

LXXIV - 1-16
 LXXV - 1-11
 LXXVI - 1, 2

Vol. 21. on spine: LXXVIII - LXXXVI

LXXVIII - 1-8, 10-12, 15, 16
 LXXXI - 1-16
 LXXXII - 1, 2, 5, 6, 9
 LXXXIV - 1-16
 LXXXVI - 3, 4, 7, 8, 11, 12

Vol. 1. on spine : XII - XXIX

XII	-	2
XVI	-	3-4, 7-8, 11-12, 15-16
XVII	-	3-4, 7-8, 10, 12
XVIII	-	12
XXI	-	3-4, 7-8, 10-12, 15-16
XXII	-	3, 7, 9-10, 13-14
XXIV	-	4, 11-12, 15-16
XXIX	-	12, 16

Vol. 2. on spine : XXX - XXXIX

XXX	-	1-16
XXXI	-	1-2, 5-6
XXXIV	-	3-4, 7-8
XXXVII	-	16
XXXVIII	-	10-16
XXXIX	-	3-4, 7-8, 11-12, 15-16

Vol. 3. on spine : XL - XLVII

XL	-	9, 13-14
XLII	-	4, 8, 12, 16
XLIII	-	1-16
XLIV	-	3-4, 7-16
XLVI	-	9-10, 13-14
XLVII	-	3-4, 6-8, 10, 13-14

Vol. 4. on spine : XLVIII - LIII

XLVIII	-	9-16
XLIX	-	9-10, 13-14
L	-	4, 8, 12, 16
LI	-	1-10, 13-14
LII	-	1-2, 5-6
LIII	-	1-16

Vol. 5. on spine : LIV-LVII

LIV	-	1-16
LV	-	1-2, 5-6, 9-16
LVI	-	1-16
LVII	-	1-2, 5-6

Vol. 6. on spine : LVIII-LX

LVIII	-	4, 8, 12, 16
LIX	-	1-16
LX	-	1-16

LANCASHIRE REVISED EDITION Cont. - 27 VOLUMES

Vol. 24. on spine: CIX - CX

CIX	-	1-16
CX	-	1-9, 11, 12, 15, 16

Vol. 25. on spine: CXI - CXIA

CXI	-	1-16
CXIA	-	1-16

Vol. 26. on spine: CXII - CXIII

CXII	-	1-16
CXIIA	-	1
CXIII	-	2-4, 6-8, 11-12, 16

Vol. 27. on spine: CXIV - CXVIII

CXIV	-	1-16
CXV	-	1-14
CXVI	-	1-6
CXVIII	-	1-4, 7

Vol. 7. on spine: LXI - LXII

LXI	-	1-16
LXII	-	1-16

Vol. 8. on spine: LXIII - LXVIII

LXIII	-	1-16
LXIV	-	1-16
LXVII	-	1-4
LXVIII	-	3, 4, 7-16

Vol. 9. on spine: LXIX - LXXI

LXIX	-	1-16
LXX	-	1-16
LXXI	-	1-16

Vol. 10. on spine: LXXII - LXXVI

LXXII	-	1-16
LXXIII	-	1, 13
LXXIV	-	16
LXXV	-	2-16
LXXVI	-	1-16

Vol. 11. on spine: LXXVII - LXXIX

LXXVII	-	1-16
LXXVIII	-	1-16
LXXIX	-	1-16

Vol. 12. on spine: LXXX - LXXXIII

LXXX	-	1-16
LXXXI	-	1-3, 4, 5-11, 13-15
LXXXII	-	4, 8, 11, 12, 15, 16
LXXXIII	-	1-16

Vol. 13. on spine: LXXXIV - LXXXVI

LXXXIV	-	1-16
LXXXV	-	1-16
LXXXVI	-	1-16

Vol. 14. on spine: LXXXVII - LXXXVIII

LXXXVII	-	1-16
LXXXVIII	-	1-16

Vol. 15. on spine: LXXXIX - XCII

LXXXIX	-	1-16
XC	-	3, 4, 7, 8, 11, 12, 16
XCI	-	1-16
XCII	-	1-16

Vol. 16. on spine: XCIII - XCIV

XCIII	-	1-16
XCIV	-	1-16

Vol. 17. on spine: XCV - XCVI

XCV	-	1-16
XCVI	-	1-16

Vol. 18. on spine: XCVII - XCVIII

XCVII	-	1-16
XCVIII	-	4, 8, 12

Vol. 19. on spine: XCIX - C

XCIX	-	1-16
C	-	1-16

Vol. 20. on spine: CI - CII

CI	-	1-16
CII	-	1-16

Vol. 21. on spine: CIII - CIV

CIII	-	1-16
CIV	-	1-16

Vol. 22. on spine: CV - CVI

CV	-	1-16
CVI	-	1-16

Vol. 23. on spine: CVII - CVIII

CVII	-	1-16
CVIII	-	1-16

Vol. 1. on spine: I - XI

I	-	16
II	-	3-4, 7-8, 11-12, 14-16
V	-	13-15
VI	-	12, 16
VII	-	2-16
IX	-	4, 8, 11-12, 14-16
X	-	1-2, 5-6, 9-10, 13-15
XI	-	11-16

Vol. 2. on spine: XII - XVI

XII	-	3-4, 7-16
XIII	-	1-16
XIV	-	11, 15
XV	-	11-12, 15-16
XVI	-	2-4, 6-16

Vol. 3. on spine: XVII - XX

XVII	-	1-16
XVIII	-	1-16
XIX	-	1, 2, 5-6
XX	-	1-16

Vol. 4 on spine: XXI - XXIV

XXI	-	3, 7
XXII	-	3-4, 7-8, 10-12, 14-16
XXIII	-	1-16
XXIV	-	1-16

Vol. 5. on spine: XXV - XXX

XXV	-	1-16
XXVIII	-	3-4, 7-8, 11-12, 14-16
XXX	-	1-16

Vol. 6 on spine: XXXI - XXXIII

XXXI	-	1-16
XXXII	-	9-10, 13-14
XXXIII	-	1-15

Vol. 7. on spine: XXXIV - XXXVI

XXXIV	-	2-4, 6-8, 11-12, 15-16
XXXV	-	1-16
XXXVI	-	1-16

Vol. 8. on spine: XXXVII - XLII

XXXVII	-	1-16
XXXVIII	-	1-16
XLI	-	4
XLII	-	1-4, 6-8, 10-12, 16

Vol. 9 on spine: XLIII - LII

XLIII	-	3
XLIV	-	1-2, 5-6
XLV	-	1-16
XLVI	-	1-13
L	-	1-10, 13
LI	-	1, 5, 9
LII	-	3-4, 8, 12, 16

Vol. 1. on spine: VII - XIX

VII	-	3-16
VIII	-	9-11, 13-15
XI	-	9-10, 13-14
XIII	-	1-16
XIV	-	9, 13-14
XIX	-	2

Vol. 2 on spine: XXII - XXXIV

XXII	-	1-16
XXIII	-	9, 13
XXIV	-	11-12, 16
XXX	-	3-4, 7-8, 12
XXXI	-	1-2, 5-6, 9
XXXIV	-	1-8, 12, 15-16

Vol. 3. on spine: XLII - LXIX

XLII	-	3-4, 8, 12, 16
XLIII	-	9-10, 13-14
L	-	4
LI	-	1-2, 5-6, 9-10, 13-14
LVIII	-	9
LX	-	1-2, 5-6, 9-16
LXVII	-	1-2
LXIX	-	1, 3-4, 8, 11-12, 14-16

Vol. 4. on spine: LXX - XCV

LXX	-	1-16
LXXVII	-	1-2, 6, 10, 14
LXXVIII	-	1-8
LXXXV	-	2, 6, 10, 14
XCV	-	6, 9-10, 13-14

Vol. 5. on spine: CIII - CXXVI

CIII	-	4, 8
CIV	-	9-10, 13-14
CXIII	-	11-12, 15-16
CXIV	-	9-10, 13-14
CXXII	-	3-4, 7-8
CXXIII	-	1-2, 5-6
CXXV	-	11-12, 15-16
CXXVI	-	1-16

Vol. 6. on spine: CXXVII - CXXXV

CXXVII	-	9-16
CXXX	-	12, 16
CXXXI	-	1-2, 5-6, 9-10, 13-14
CXXXIV	-	9-16
CXXXV	-	1-16

Vol. 7 on spine: CXXXVI - CLI

CXXXVI	-	9-16
CXXXVII	-	9, 13
CXXXVIII	-	4, 8
CXL	-	3-4, 7-8
CXLII	-	1-2, 5-6,
CXLIV	-	1-10, 13-14
CL	-	3-4, 7-8
CLI	-	1-2, 5-6

MERIONETHSHIRE

REVISED EDITION - 1 VOLUME
BOUND WITH MONMOUTHSHIRE & MONTGOMERYSHIRE

SHEETS

III	-	12, 15-16
IV	-	9, 13-14
XI	-	2, 6, 10, 14
XII	-	3
XVIII	-	8

MONMOUTHSHIRE

REVISED EDITION
BOUND WITH MERIONETHSHIRE & MONTGOMERYSHIRE

SHEETS

XXVII	-	14
XXVIII	-	8, 12, 15-16
XXIX	-	5, 9, 13-14
XXXIII	-	3-4, 7-8
XXXIV	-	1

MONTGOMERYSHIRE

REVISED EDITION
BOUND WITH MERIONETHSHIRE & MONMOUTHSHIRE

SHEETS

XLV	-	1-2
-----	---	-----

MIDDLESEX REVISED EDITIONS - 4 VOLUMES

Vol. 1. on spine: I - IX

I	-	11, 12, 15
II	-	13-16
V	-	16
VI	-	9, 10, 12-16
VII	-	1-8, 10-16
IX	-	4, 7, 8, 11, 12, 15, 16

Vol. 2. on spine: X - XII

X	-	1-16
XI	-	1-16
XII	-	1-3, 5-7, 9-15

Vol. 3. on spine: XIV - XIX

XIV	-	3, 4, 7, 8, 11, 12, 15, 16
XV	-	1-16
XVI	-	1-7, 9, 10, 13, 14
XIX	-	3, 4, 6, 7, 8, 10-12, 14-16

Vol. 4. on spine: XX - XXV

XX	-	1-16
XXI	-	1, 2, 5, 6
XXIV	-	2-4, 6-8, 11, 12, 15, 16
XXV	-	1-6, 13, 16

Vol. 1. on spine: I - VI

I	-	13-16
II	-	11-12, 15-16
III	-	13-16
V	-	4, 8, 12, 16
VI	-	1-16

Vol. 2. on spine: VIII - XI

VIII	-	1-16
X	-	1-16
XI	-	5-7, 9-16

Vol. 3. on spine: XIII - XXVIII

XIII	-	4, 7-8
XIV	-	1-2, 5-6
XX	-	11-12, 15-16
XXV	-	1-8
XXVI	-	9-10, 13-14
XXVIII	-	1-16

Vol. 4. on spine: XXIX - XLIII

XXIX	-	1-16
XXX	-	1, 5-6
XXXIII	-	1-8, 11-12, 15-16
XXXVII	-	1-2, 5-6, 9-10, 13-14
XL	-	13
XLIII	-	4, 7-8, 11-12, 16

Vol. 5. on spine: XLIV - XLVIII

XLIV	-	1-16
XLV	-	1-16
XLVIII	-	1-16

Vol. 6. on spine: XLIX - LV

XLIX	-	1-16
LII	-	1-8, 12, 14
LIII	-	1-8
LIV	-	6-7, 9-11, 13-15
LV	-	4, 8

Vol. 7. on spine: LVI - LVIII

LVI	-	1-16
LVII	-	1-16
LVIII	-	1-16

Vol. 8. on spine: LIX - LXII

LIX	-	1-16
LX	-	1-16
LXI	-	1-16
LXII	-	4

Vol. 9. on spine: LXIII

LXIII	-	1-16
-------	---	------

Vol. 10. on spine: LXIV - LXVI

LXIV	-	1-16
LXV	-	3-4, 7-8, 10
LXVI	-	1-3, 5-7, 9-11, 13-15

Vol. 11. on spine: LXIX - LXXV

LXIX	-	1-16
LXXIV	-	7, 9-10, 13-14
LXXV	-	1-16

Vol. 12. on spine: LXXVI - XC

LXXVI	-	1-16
LXXVII	-	1-16
LXXVIII	-	1-3, 5, 7, 9, 11, 15
XC	-	13

Vol. 13. on spine: XCIII - XCVIII

XCIII	-	1-12, 15-16
XCVI	-	1-16
XCVIII	-	1-10, 13-14

Vol. 14. on spine: XCIX - CX

XCIX	-	1-8
CI	-	1, 5
CII	-	3-4, 6-8, 10-12, 16
CV	-	1-16
CVII	-	1
CX	-	1-4, 8

NORTHAMPTONSHIRE REVISED EDITIONS - 7 VOLUMES

Vol. 1. on spine: VIII - XVII

VIII	-	1-16
X	-	14-16
XI	-	11-12, 14-16
XIV	-	1
XV	-	11-12, 14-16
XVI	-	2,4, 6-8, 10-16
XVII	-	1-8

Vol. 2. on spine: XVIII - XXIV

XVIII	-	1-16
XIX	-	1-16
XX	-	5,9
XXIV	-	1-16

Vol. 3. on spine: XXV - XXXIII

XXV	-	1-16
XXVIII	-	11-12, 15-16
XXXII	-	1-16
XXXIII	-	1-16

Vol. 4. on spine: XXXIV - XXXIX

XXXIV	-	1, 9, 13
XXXVI	-	1-16
XXXVII	-	16
XXXVIII	-	1-16
XXXIX	-	1-16

Vol. 5. on spine: XL - XLIV

XL	-	1-11, 13-15
XLI	-	1, 7-8, 10-11, 14-15
XLII	-	4, 7-8, 10-12, 14-16
XLIII	-	1-16
XLIV	-	1-16

Vol. 6. on spine: XLV - LVIII

XLV	-	1-16
XLVII	-	2-3, 6-7
LII	-	2
LIV	-	2-4, 6-8, 11-12, 15-16
LVIII	-	2-4, 6-8, 10-12, 14-16

Vol. 7. on spine: LIX - LXIII

LIX	-	1-11, 13-14
LXI	-	1, 5-6, 9-10, 13
LXII	-	2-4, 6-8, 10-12, 14-16
LXIII	-	2, 5-6, 9-10, 13

NORTHUMBERLAND REVISED EDITIONS - 1 VOLUME

Vol. 1. on spine:

LXIX	-	8, 16
LXX	-	5, 13, 15
LXXVII	-	4
LXXVIII	-	1-3, 5-7, 11, 15-16
LXXXV	-	11-12, 15-16
LXXXVI	-	2-4, 7-8, 11-12, 15-16
LXXXVII	-	9, 13-14
XCIV	-	3-4, 6-8, 11-12
XCv	-	1-6, 9
CII	-	1,5
CVIII	-	1

NOTTINGHAMSHIRE REVISED EDITIONS - 1 VOLUME

Vol. 1. on spine:

VII	-	11, 15
XIX	-	9-10, 13-14
XXIII	-	4,11
XXIV	-	13
XXVII	-	2-4, 6-8, 10-12, 14-16
XXVIII	-	7, 11, 13
XXXII	-	3
XXXIV	-	3, 13
XXXVII	-	2
XXXIX	-	1-2, 6
XLI	-	3-4, 7-8, 11-12, 15-16

OXFORDSHIRE

REVISED EDITIONS - 1 VOLUME

PEMBROKESHIRE REVISED EDITIONS - 1 VOLUME

BOUND WITH RADNORSHIRE

Vol. 1. on spine: I VIII

II - 8, 10, 12, 14-15
 III - 1, 5, 9-10, 13-14
 IV - 8, 12, 16
 V - 1-16
 VI - 1, 5, 9, 13
 VII - 4
 VIII - 8, 12, 15-16

SHEETS

IV - 15
 IX - 3
 XXVII - 3-4, 7-8
 XXIX - 6
 XXXIII - 9-10, 13-14
 XXXV - 11, 15
 XXXIX - 1-2
 XLI - 3
 XLIII - 3

Vol. 2. on spine: IX - XIV

IX - 1-16
 X - 1, 5, 9, 13
 XI - 11, 14-15
 XII - 4
 XIV - 1-16

RADNORSHIRE

REVISED EDITIONS -

BOUND WITH PEMBROKESHIRE

Vol. 3. on spine: XV - XIX

XV - 1-16
 XVI - 1-16
 XVII - 1-3, 5-7, 9-11, 13-15
 XIX - 12, 16

SHEETS

XI - 5, 9, 10, 12-16
 XVIII - 1-3, 5-7, 9-11, 13-14
 XXV - 1-2, 5, 9, 13
 XXXVI - 1-10, 13

Vol. 4. on spine: XX - XXII

XX - 1-16
 XXI - 1-16
 XXII - 1-16

Vol. 5. on spine: XXIII - XXVI

XXIII - 1-3, 5-7, 9-11, 13-15
 XXIV - 4, 8, 12, 16
 XXV - 1-16
 XXVI - 1-16

RUTLAND

REVISED EDITIONS - 1 VOLUME

SHEETS

V - 1-16
 VIII - 8, 12, 16
 XI - 1-16

Vol. 6. on spine: XXVII - XXXI

XXVII - 1-16
 XXVIII - 1-6, 8-10, 13-14
 XXX - 4, 7-8, 11-12, 15-16
 XXXI - 1-16

Vol. 7. on spine: XXXII - XXXVII

XXXII - 1-7, 9-11, 13-15
 XXXIII - 1-4, 7-8, 10-12, 14-16
 XXXIV - 1-2, 5-6, 9-11, 13-15
 XXXVI - 4, 8, 12, 16
 XXXVII - 1-12

Vol. 8. on spine: XXXVIII - XLI

XXXVIII - 1-2, 5-7
 XXXIX - 2-4, 7-8
 XL - 1-16
 XLI - 2-3, 5-7, 9-16

Vol. 9. on spine: XLII - L

XLVI - 1-8, 10-12, 15-16
 XLVII - 1-7, 9-11, 13-15
 XLIX - 4, 8, 12, 16
 L - 1-3, 5-7, 9-11, 13-15

Vol. 10. on spine: LI - LVII

LII - 4, 7-8, 11-12, 15-16
 LIII - 1-16
 LIV - 1, 13
 LV - 4
 LVI - 1-4, 6, 8, 12
 LVII - 1

OXFORDSHIRE

FURTHER REVISED - 1 VOLUMES

Vol. 1. on spine

XXVII - 1-2, 5-6, 9-10, 13-14
 XXXIII - 1-2, 6-7, 11-12, 15-16
 XXXIV - 9, 13
 XXXIX - 4, 8, 12
 XL - 1-8
 XLI - 3
 XLVII - 7, 14
 XLIX - 3, 7
 LVI - 12
 LVII - 1

Vol. 1. on spine: I - VIII

I	-	11-12, 15-16
II	-	9-10, 13-15
VI	-	5-16
VII	-	3-4, 7-8, 11-16
VIII	-	1-16

Vol. 2. on spine: IX - XIII

IX	-	1-11, 13-15
XII	-	1-16
XIII	-	1-16

Vol. 3. on spine: XIV - XIX

XIV	-	1-16
XVI	-	1-3, 5-6, 8-16
XIX	-	1-16

Vol. 4. on spine: XXI - XXXIV

XXI	-	1-16
XXX	-	1-16
XXXI	-	1, 5-6, 9-10, 13-15
XXXIV	-	1-16

Vol. 5. on spine: XXXVI - XLIII

XXXVI	-	1-16
XLII	-	1-16
XLIII	-	1-16

Vol. 6. on spine: L - LVI

L	-	1-16
LI	-	1-16
LVI	-	1-16

Vol. 7. on spine: LVII - LIX

LVII	-	1-16
LVIII	-	1-16
LXI	-	1-16

Vol. 8. on spine: LXII - LXXVIII

LXII	-	3-16
LXVII	-	1-3, 5-7, 9-16
LXXVI	-	1-4, 6-8, 11
LXXVIII	-	2-4, 6-8, 12, 16

Vol. 1. on spine: I - V

I	-	12, 15-16
II	-	5-7, 9-16
III	-	9, 13
VI	-	3-4, 6-8
V	-	1-16

Vol. 2. on spine: VI - IX

VI	-	1-2, 4-16
VII	-	5, 8-16
VIII	-	11-12, 14-16
IX	-	4, 8, 11-12, 15-16

Vol. 3. on spine: X - XIV

X	-	3-4, 7-10, 12-14
XI	-	5
XII	-	11-12, 15-16
XIII	-	1-8, 11-12, 15-16
XIV	-	1-2, 5-6, 9-11, 13-15

Vol. 4. on spine: XVI - XX

XVI	-	3-4, 7-8, 11-12, 15-16
XVII	-	3-4, 7-8, 11-12, 15-16
XVIII	-	1-8
XIX	-	9-16
XX	-	1-16

Vol. 5. on spine: XXI - XXX

XXI	-	1-2, 5-6
XXIII	-	13-15
XXV	-	7, 11, 12, 15, 16
XXVI	-	1-2, 5-6
XXVII	-	1-2, 5-6
XXVIII	-	11-12, 15-16
XXIX	-	1-2, 5-6, 9-16
XXX	-	9-16

Vol. 6. on spine: XXXIV - XL

XXXIV	-	1-16
XXXV	-	1, 5-6, 9-16
XXXVI	-	9, 13-14
XXXVIII	-	3-4, 7-8, 11-12, 15-16
XL	-	3-4, 7-8

Vol. 7. on spine: XLI - L

XLI	-	1-2, 5-6, 11-12, 15-16
XLIII	-	1-8
XLVIII	-	1-2, 5-6, 11-12, 15-16
LI	-	1-16

Vol. 8. on spine: LII - LXI

LII	-	1-16
LIII	-	1-16
LIV	-	1-2, 5-6
LXI	-	3-4, 7-10, 13-14

Vol. 9. on spine: LXIII - LXIX

LXIII	-	1-16
LXIV	-	1-16
LXV	-	1-2, 5-6, 11-12, 15-16
LXIX	-	1-8

Vol. 10. on spine: LXX - LXXI

LXX	-	1-16
LXXI	-	1-10, 13-14

Vol. 11. on spine: LXXII - LXXVIII

LXXII	-	1-16
LXXIII	-	1-16
LXXV	-	3-4, 7-8, 11-12, 15-16
LXXVIII	-	3-4, 7-8, 10

Vol. 12. on spine: LXXIX - LXXXVIII

LXXIX	-	1-2, 5-6, 11-12, 15-16
LXXXIII	-	1-2, 5, 9, 13
LXXXIV	-	2, 4
LXXXVI	-	1-2, 5-6, 9
LXXXVII	-	11-12, 15-16
LXXXVIII	-	1-16

Vol. 13. on spine: LXXXIX - XCIII

LXXXIX	-	1-16
XC	-	1, 5, 9
XCII	-	3-4, 7-8, 11-12, 16
XCIII	-	1-11
XCIII	-	1-3

Vol. 1. on spine: I - V

I - 14, 15
 III - 2, 3, 6, 7, 8, 10-16
 IV - 1-16
 V - 1-15

Vol. 2. on spine: VI - VIII

VI - 8, 11-16
 VII - 1-16
 VIII - 1-16

Vol. 3. on spine: IX - XII

- 1-3, 5-7, 9-15
 X - 7, 8, 11, 12, 16
 XI - 1-16
 XII - 1-16

Vol. 4. on spine: XIII - XVII

XIII - 1-16
 XIV - 1-16
 XVI - 4, 8, 12, 15, 16
 XVII - 1-16

Vol. 5. on spine: XVIII - XX

XVIII - 1-16
 XIX - 1-16
 XX - 1-14

Vol. 6. on spine: XXI - XXIV

XXII - 2-4, 6-8, 9-16
 XXIII - 1-16
 XXIV - 1-16

Vol. 7. on spine: XXV - XXIX

XXV - 1-16
 XXVI - 1, 2, 5, 6, 9, 13, 14
 XXVII - 4
 XXVIII - 1-4, 5-8, 11, 12, 15
 XXIX - 1-16

Vol. 8. on spine: XXX - XXXII

XXX - 1-16
 XXXI - 1-16
 XXXII - 1, 2, 5, 6, 9-16

Vol. 9. on spine: XXXIII - XXXVII

XXXIII - 13-15
 XXXV - 3, 4, 7, 8, 11, 12, 15, 16
 XXXVI - 1-16
 XXXVII - 1-16

Vol. 10. on spine: XXXVIII - XLI

XXXVIII - 1-16
 XXXIX - 1-16
 XL - 1-16
 XLI - 5, 9, 13

Vol. 11. on spine: XLII - XLV

XLII - 3, 4, 8
 XLIII - 1-16
 XLIV - 1-16
 XLV - 1-16

Vol. 12. on spine: XLVI - XLIX

XLVI - 1-16
 XLVII - 1-6, 9, 10, 13, 14
 XLIX - 1-12, 14-16

Vol. 13. on spine: L - LII

L - 1-16
 LI - 1-16
 LII - 1-16

Vol. 14. on spine: LIII - LVII

LIII - 1, 2, 5-7, 9-11, 13-16
 LIV - 13
 LV - 3, 4, 7, 8, 11-13, 15, 16
 LVI - 1-16
 LVII - 1-16

Vol. 15. on spine: LVIII - LXI

LVIII - 1-16
 LIX - 1-11, 13-15
 LX - 1
 LXI - 1-8, 10-12, 14-16

Vol. 16. on spine: LXII - LXV

LXII - 1-16
 LXIII - 1-16
 LXIV - 1-6, 8-10, 13, 14
 LXV - 1-3, 5-7

Vol. 17. on spine: LXVI - LXVIII

LXVI - 2-4, 6-8, 10-16
 LXVII - 1-16
 LXVIII - 1-15

Vol. 18. on spine: LXIX - LXXV

LXIX - 1, 2, 5, 6, 9
 LXX - 1-8, 10-12, 14-16
 LXXI - 1-13
 LXXII - 1-7, 9, 11
 LXXIV - 4
 LXXV - 1

Vol. 1. on spine: VII - XVII

VII - 9-10, 13-14
 VIII - 1-2, 5-6, 9-10, 13-14
 XI - 3-4, 7-8, 11-12, 15-16
 XII - 1-10, 12-16
 XIII - 1-2, 5-6
 XVII - 3-4, 7-8, 11-12, 15-16

Vol. 2. on spine: XVIII - LI

XVIII - 1-16
 XIX - 3-4, 7-11, 13-14
 XXIV - 1, 3, 5, 14
 XXV - 1
 XXVI - 14
 XXX - 2
 XXXII - 2
 XL - 3-4, 7-8, 11-12, 16
 XLI - 5
 XLVII - 3
 LI - 1-12, 14-16

Vol. 3. on spine: LVI - LXIII

LVI - 9-10, 13-15
 LVII - 1-16
 LIX - 9-11, 13-15
 LXII - 4-6, 8-16
 LXIII - 2-6, 9, 11-13, 16

Vol. 4. on spine: LXIV - LXXII

LXVI - 2-4, 6-8, 10-16
 LXVII - 1-16
 LXVIII - 1-15

Vol. 1. on spine: I - X

II - 6, 10, 13-14
 IV - 1-12, 14-16
 VII - 13-14
 VIII - 11-12, 15-16
 IX - 9-16
 X - 2-4, 6-15

Vol. 2. on spine: XI - XVIII

XI - 3-4, 6-8, 10-12, 14-16
 XIII - 1-2, 5, 9, 13-15
 XVII - 2-16
 XVIII - 1-16

Vol. 3. on spine: XIX - XXVII

XIX - 1-3, 5-7, 9-11, 13-15
 XXV - 5-7, 9-16
 XXVII - 1-16

Vol. 4. on spine: XXVIII - XLII

XXVIII - 1-16
 XXIX - 1-3, 5-7, 9-10, 13-14
 XXXI - 3-4
 XXXVI - 1-16
 XL - 1-2, 5-6, 9, 13
 XLII - 8

Vol. 5. on spine: XLIV - L

LXIV - 1-16
 XLIX - 1-16
 L - 1-16

Vol. 6. on spine: LI - LXI

LI - 1, 5, 9
 LVI - 1-16
 LX - 1-16
 LXI - 3-5, 10-12, 14-16

Vol. 7. on spine: LXIII - LXVII

LXIII - 1-16
 LXVI - 1-16
 LXVII - 1-16

Vol. 8. on spine: LXIX - LXXIII

LXIX - 1-16
 LXX - 2-4, 6-8, 10
 LXXII - 1-4, 6-8, 10-12, 14-16
 LXXIII - 1-16

Vol. 9. on spine: LXXIV - LXXVI

LXXIV - 1-16
 LXXV - 1-16
 LXXVI - 1-16

Vol. 10. On spine: LXXIX - LXXXII

LXXIX - 2-4, 6-8, 12, 16
 LXXX - 1-16
 LXXXI - 1-16
 LXXXII - 1-16

Vol. 11. on spine: LXXXIII - XC

LXXXIII - 1-16
 LXXXIV - 1-7, 9-11, 13-14
 LXXXIX - 1-8, 12, 16
 XC - 1-2, 5

Vol. 1. on spine: I - VII

I - 12, 15-16
 II - 9-10, 13-14
 IV - 11-12, 15-16
 V - 5, 9-10, 13-15
 VI - 3-4, 7-8, 11-16
 VII - 1-2, 5-7, 9-16

Vol. 2. On spine: VIII - XII

VIII - 1, 3, 9-10, 14-15
 X - 2-10, 13-14
 XI - 1-3, 5-16
 XII - 1-16

Vol. 3. on spine: XIII - XIV

XIII - 1-16
 XIV - 1-3, 5-16

Vol. 4. on spine: XV - XVIII

XV - 3-4, 6-8, 11-12, 15-16
 XVI - 3, 4, 7-8, 11-12, 15-16
 XVII - 1-16
 XVIII - 1-16

Vol. 5. on spine: XIX - XX

XIX - 1-16
 XX - 1-16

Vol. 6. on spine: XXI - XXV

XXI - 1, 5, 9-10, 13-14
 XXII - 3-4, 8, 11-16
 XXIII - 9-16
 XXIV - 1-16
 XXV - 1-8, 11-12, 15-16

Vol. 7. on spine: XXVI - XXX

XXVI - 1-12, 14-16
 XXVII - 1-16
 XXVIII - 9-10, 13-14
 XXIX - 8, 12
 XXX - 1-2, 5-6, 9-10, 13-14, 16

Vol. 8. On spine: XXXI - XLII

XXXI - 3-4, 7-8, 10-12, 14-16
 XXXII - 1-8, 13
 XXXIII - 2-4, 7-8
 XXXIV - 1, 3-4, 7-8
 XXXV - 1-3, 9, 16
 XXXVIII - 3, 7
 XLII - 1, 3, 5, 7-8, 11-12

Vol. 1. on spine: III - XV

III	-	8, 11-12, 15-16
IV	-	1-2, 5-8, 11
V	-	1-2, 5-6, 9-10, 13-14
VI	-	9-10, 13-14
X	-	4, 8.
XII	-	2, 6
XIII	-	3-4, 7-8, 11-12, 15-16
XIV	-	1-2, 5-6
XV	-	15

Vol. 2. on spine: XVI - XXVIII

XVI	-	3-4, 7-8
XVII	-	9-16
XVIII	-	3-4, 7-8
XIX	-	9-10, 13-14
XXI	-	16
XXIII	-	3-4, 7-8
XXV	-	11-12, 15-16
XXVI	-	1-2, 4-5, 7-9, 11-12, 14-16
XXVII	-	11-12, 15-16
XXVIII	-	9-10, 13-14

Vol. 3. on spine: XXIX - XXXIX

XXIX	-	1-2, 5-6
XXX	-	11-12, 15-16
XXXI	-	11-12, 15-16
XXXII	-	5, 9-16
XXXVI	-	10, 12, 16
XXXVII	-	4-6, 9-10, 13-14
XXXVIII	-	3, 5, 8, 11-13, 15-16
XXXIX	-	1-10, 13-14

Vol. 4. on spine: XL - XLIII

XL	-	1-2, 5-6
XLI	-	3-4, 7-8, 11-12, 15-16
XLII	-	1-2, 5-6, 9-10, 13-14
XLIII	-	1-16

Vol. 5. on spine: XLIV - L

XLIV	-	1-16
XLV	-	1-16
XLVI	-	1, 5-6, 9-11, 13-15
L	-	4

Vol. 6. on spine: LI - LVII

LI	-	3-16
LII	-	8-9, 11-12, 15-16
LIII	-	2, 9-10, 13-14
LIV	-	3-4, 7-10, 13-14
LV	-	12
LVI	-	9-10, 13-14
LVII	-	1-16

Vol. 7. on spine: LVIII - LX

LVIII	-	1-16
LIX	-	1-3, 5-6, 9-10, 13
LX	-	2-4, 6-8, 10

Vol. 8. on spine: LXI - LXIII

LXI	-	1-16
LXII	-	1-16
LXIII	-	1-2, 5, 7, 9-16

Vol. 9. on spine: LXIV - LXV

LXIV	-	1-16
LXV	-	1-12

Vol. 10. on spine: LXVI - LXVIII

LXVI	-	1-16
LXVII	-	1-2, 5-6, 9-16
LXVIII	-	1-16

Vol. 11. on spine: LXIX - LXXII

LXIX	-	1-16
LXX	-	1-11
LXXI	-	1-5
LXXII	-	3-4, 7-8, 11-12, 16

Vol. 12. on spine: LXXIII - LXXVIII

LXXIII	-	3-4, 7-16
LXXIV	-	1-10
LXXV	-	1-4
LXXVI	-	1-2
LXXVII	-	3-4
LXXVIII	-	1-8, 11-12

Vol. 13. on spine: LXXIX - LXXXIII

LXXIX	-	1-16
LXXX	-	1-3, 5-7, 9-10, 13-14
LXXXI	-	1-3, 6-7
LXXXII	-	3-4
LXXXIII	-	1

Vol. 1. on spine: II - VII

II	-	12, 16
III	-	2, 5-6, 9-10, 13
IV	-	7, 11-12, 14-16
V	-	4, 8-16
VI	-	1-2, 5-6, 9-10, 13-15
VII	-	12, 16

Vol. 2. on spine: VIII - IX

VIII	-	2-16
IX	-	1-16

Vol. 3. on spine: X - XIII

X	-	1-16
XI	-	1-2, 5, 9-10, 13-15
XIII	-	8, 10, 12-16

Vol. 4. on spine: XIV - XV

XIV	-	1-16
XV	-	1-16

Vol. 5. on spine: XVI

XVI	-	1-16
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Vol. 6. on spine: XVII - XIX

XVII	-	1-16
XIX	-	1-12, 14-16

Vol. 7. on spine: XIX A - XX

XIX ^A	-	1-4, 6-16
XX	-	1-16

Vol. 8. on spine: XXI

XXI	-	1-16
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Vol. 9. on spine: XXII - XXIII

XXII	-	1-16
XXIII	-	1-2, 5-11, 13-15

Vol. 10. on spine: XXIV - XXV

XXIV	-	2-16
XXV	-	1-16

Vol. 11. on spine: XXVI - XXVIII

XXVI	-	1-16
XXVII	-	1-3, 5-6, 13
XXVIII	-	1-10, 13-14

Vol. 12. on spine: XXX - XXXIII

XXX	-	12, 16
XXXI	-	3-4, 7-8, 11-13, 15-16
XXXII	-	1-16
XXXIII	-	1-16

Vol. 13. on spine: XXXIV - XLIII

XXXIV	-	15
XXXVI	-	4, 8
XXXVII	-	1, 3-4, 7-8
XXXVIII	-	1-16
XXXIX	-	1-16
XL	-	7
XLI	-	1-3, 5-6, 9, 13
XLIII	-	1-11, 13-14, 16

Vol. 14. on spine: XLIV - LVII

XLIV	-	1-8, 12, 16
XLV	-	5, 16
XLIX	-	1, 2
L	-	7, 11, 15
LII	-	1-7, 9, 11, 13, 15
LIII	-	7, 11, 15
LIV	-	1-7, 9-11, 13-15
LVI	-	12, 16
LVII	-	1-3, 5-7, 9-11, 13-14

Vol. 1. on spine: WESTMORELAND - REVISED. ED.

XXXII	-	12
XXXVIII	-	3-4, 7-8, 11-12, 15
XLVII	-	8, 12

Vol. 1. on spine: X - XXXIII

X	-	3-4, 7-8, 11-12, 15-16
XI	-	1-2, 5, 9, 13
XIV	-	12
XV	-	3-4, 7-8, 11-12, 15-16
XVI	-	1-2, 5-6, 9-10, 13-14
XX	-	14
XXV	-	10, 13-14
XXVI	-	2
XXVII	-	1, 5-6, 10
XXIX	-	9-10, 13-14
XXXII	-	12, 13
XXXIII	-	1-2, 5-6, 9-10, 13-14

Vol. 2. on spine: XXXVIII - XLII

XXXVIII	-	3-4, 7-8, 11-12, 15-16
XL	-	1-16
XLI	-	1-16
XLII	-	1-2, 5-6, 9-10, 13-14

Vol. 3. on spine: XLIV - XLVIII

XLIV	-	3-4, 7-8, 11-12, 15-16
XLVI	-	1-16
XLVII	-	1-16
XLVIII	-	1-2, 5-6, 9-13

Vol. 4. on spine: LI - LV

LI	-	3-4, 7-8
LII	-	1-2, 5-6, 9-10, 13-14
LIII	-	1-7, 9-13, 15-16
LIV	-	1-16
LV	-	1, 5, 9, 13-14

Vol. 5. on spine: LIX - LXIII

LIX	-	1-2, 4, 7-16
LX	-	1-16
LXI	-	1-2, 6, 9-10, 13-14
LXIII	-	1-2, 5-6

Vol. 6. on spine: LXV - LXXII

LXV	-	1-16
LXVI	-	1-16
LXVII	-	1-2, 5-6, 9-10, 13-14
LXXII	-	1-2, 5-6

Vol. 1. on spine: I - XIII

III	-	13
IV	-	14-16
VII	-	4, 8, 11-12, 14-16
VIII	-	1-3, 5-16
IX	-	2-16
X	-	5
XI	-	13
XIII	-	1-16

Vol. 2. on spine: XIV - XVII

XIV	-	1-16
XV	-	1-16
XVI	-	1-16

Vol. 3. on spine: XXI - XXIII

XXI	-	1-16
XXII	-	1-16
XXIII	-	1-11, 13-15

Vol. 4. on spine: XXVIII - XXXIX

XXVIII	-	1-16
XXIX	-	1-16
XXXIII	-	1-16
XXXIX	-	4, 8, 12, 16

Vol. 5. on spine: XL - XLVII

XL	-	1-16
XLII	-	1-16
XLIII	-	5, 9, 13
XLIV	-	4, 8, 12, 16
XLVI	-	4, 8, 12, 16
XLVII	-	1-16

Vol. 6. on spine: XLVIII - LIX

XLVIII	-	1-11, 15
XLIX	-	1-5, 8-9
L	-	1, 5,
LI	-	3-4, 8, 12, 16
LIII	-	4, 8, 12, 16
LIV	-	1-8, 13-14
LVII	-	2
LVIII	-	2
LIX	-	4

Vol. 1. on spine: IV - XXIII

IV	-	14-16
VIII	-	7, 11, 14-15
IX	-	6, 9
X	-	5
XI	-	13
XIV	-	1-3, 5-6, 10
XVI	-	3-4, 7-8, 11-12, 15-16
XVII	-	1
XIX	-	5
XXII	-	7, 11, 14
XXIII	-	4, 8, 11-12, 15

Vol. 2. on spine: XXVIII - L

XXVIII	-	11-12, 15-16
XXIX	-	1-2, 5-6
XXX	-	3, 7,
XXXIII	-	3-4, 7-8, 11-12, 15-16
XXXIX	-	8
XL	-	5, 9-10, 13-14
XLI	-	8, 11-12, 15-16
XLII	-	15
XLVI	-	4
XLIX	-	3-4, 7-8, 14
L	-	1-2

Vol. 1. on spine: VI - XV

VI - 4, 8, 10-16
 VIA - 12, 16
 VIB - 16
 VII - 1-16
 VIIA - 9, 13
 VIIII - 5, 9-11, 13-16
 IX - 13
 XV - 4, 7-8, 11-12, 15-16

Vol. 2. on spine: XVI - XVIII

XVI - 1-16
 XVII - 1-16
 XVIII - 1-16

Vol. 3. on spine: XIX - XXX

XIX - 1-3, 5-16
 XX - 9, 13
 XXVII - 3
 XXVIII - 11
 XXIX - 1-3, 5-16
 XXX - 2-5, 7, 9-16

Vol. 4. on spine: XXXII - XXXIX

XXXII - 1-3, 5-16
 XXXIII - 9, 13
 XXXVIII - 1-16
 XXXIX - 1-16

Vol. 5. on spine: XLVII - LIV

XLVII - 1, 5, 9-10, 13-15
 LIII - 1-8, 10-12, 14-16
 LIV - 1-16

Vol. 6. on spine: LV - LX

LV - 1-16
 LVI - 1-16
 LX - 3-5, 7-9, 11-16

Vol. 7. on spine: LXII - LXXV

LXII - 1-3, 5-7, 9-16
 LXX - 4
 LXXI - 1-16
 LXXV - 1-16

Vol. 8. on spine: LXXVII LXXXV

LXXVII - 1-16
 LXXVIII - 5, 9, 13
 LXXXIV - 1-5, 7-8, 11-12, 15-16
 LXXXV - 1-16

Vol. 9. on spine: LXXXVI - XCIII

LXXXVI - 1-16
 XC - 2
 XCI - 1-16
 XCIII - 1-16

Vol. 10. on spine: XCIV - CII

XCIV - 1-2, 5-6, 9-11, 13-16
 XCIVA - 13
 C - 3-14
 CI - 1-16
 CII - 1-16

Vol. 11. on spine: CVII - CXIX

CVII - 1-16
 CX - 1-16
 CXI - 9, 13-14
 CXIX - 1-16

Vol. 12. on spine: CXXI - CXLIV

CXXI - 11
 CXXIV - 1-16
 CXXVIII - 1-16
 CXXIX - 5, 9-10, 13-14
 CXL - 1-2, 5-6
 CXLIV - 1-16

Vol. 13. on spine: CXLVI - CLVII

CXLVI - 1-3, 5-7, 9-10, 13-14
 CL - 15
 CLIV - 1-16
 CLVII - 1-16

Vol. 14. on spine: CLXI - CLXVIII

CLXI - 1-16
 CLXII - 1-16
 CLXIII - 1-2, 5-6, 9-10, 13-14
 CLXVII - 8
 CLXVIII - 1-2, 5-6, 9-10, 13-14

Vol. 15. on spine: CLXXI - CLXXVI

CLXXI - 1-2, 5-6
 CLXXIV - 1-16
 CLXXVI - 1-16

Vol. 16. on spine: CLXXX - CLXXXV

CLXXX - 1-3, 5-7, 9-11, 13-15
 CLXXXV - 1-16

Vol. 17. on spine: CLXXXVI - CLXXXVII

CLXXXVI - 1-4, 7-16
 CLXXXVII - 1-16

Vol. 18. on spine: CLXXXVIII - CXCVIIA

CLXXXVIII - 1, 11-12, 15-16
 CLXXXIX - 1-2, 5-7, 9, 11
 CXCI - 1-3, 5-6
 CXCIII - 1-16
 CXCVII - 1-16
 CXCVIIA - 13

Vol. 19. on spine: CC - CCI

CC - 1-16
 CCI - 1-16

Vol. 20. on spine: CCII - CCIII

CCII - 1-16
 CCIII - 1-16

Vol. 21. on spine: CCIV - CCXII

CCIV - 1-2, 5-6, 9-10, 13-14
 CCVI - 11
 CCX - 1-16
 CCXI - 1-16
 CCXII - 1-16

Vol. 22. on spine : CCXIII - CCXV

CCXIII - 1, 5, 9-10, 13-14
 CCXV - 1-16

Vol. 23. on spine : CCXVI - CCXVII

CCXVI - 1-16
 CCXVII - 1-16

Vol. 24. on spine : CCXVIII - CCXXII

CCXVIII - 1-16
 CCXIX - 1-2, 5-6
 CCXXI - 3-4, 6-11, 13-14
 CCXXII - 9-10, 13-14

Vol. 25. on spine : CCXXV - CCXXVII

CCXXV - 1-16
 CCXXVI - 1-16
 CCXXVII - 1-16

Vol. 26. on spine : CCXXVIII - CCXXX

CCXXVIII - 1-3, 5-16
 CCXXX - 1-16

Vol. 27. on spine : CCXXXI

CCXXXI - 1-16

Vol. 28. on spine : CCXXXII

CCXXXII - 1-16

Vol. 29. on spine : CCXXXIII - CCXXXIV

CCXXXIII - 1-16
 CCXXXIV - 1-16

Vol. 29.A. on spine : CCXXXV - CCXLII

CCXXXV - 9-10, 13-14
 CCXXXIX - 1-12
 CCXL - 1-7, 9
 CCXLI - 1-12, 14-16
 CCXLII - 1-16

Vol. 30. on spine: CCXLIII - CCXLVI

CCXLIII - 1, 5, 9-10, 13-14
 CCXLV - 3-4, 7-8
 CCXLVI - 1-16

Vol. 31. on spine: CCXLVII - CCXLVIII

CCXLVII - 1-16
 CCXLVIII - 1-16

Vol. 32. on spine: CCXLIX - CCL

CCXLIX - 1-16
 CCL - 1-2, 5-6

Vol. 33. on spine: CCLIX - CCLX

CCLIX - 3-4, 7-8, 11-12, 15
 CCLX - 1-16

Vol. 34. on spine: CCLXI - CCLXII

CCLXI - 1-16
 CCLXII - 1-16

Vol. 35. on spine: CCLXIII - CCLXIV

CCLXIII - 1-16
 CCLXIV - 1-16

Vol. 36. on spine: CCLXV - CCLXXII

CCLXV - 1-16
 CCLXVI - 1-2, 5-6, 9-10, 13-14
 CCLXIX - 3-4, 8, 12, 15-16
 CCLXIXA - 3
 CCLXX - 11-12, 16
 CCLXXI - 1-2, 5-6, 9-10, 13-14
 CCLXXII - 1-8

Vol. 37. on spine: CCLXXIII - CCLXXV

CCLXXIII - 1-16
 CCLXXIV - 1-16
 CCLXXV - 1-16

Vol. 38. on spine: CCLXXVI - CCLXXXI

CCLXXVI - 1-16
 CCLXXVII - 1-16
 CCLXXVIII - 3-4, 7-8
 CCLXXXI - 1-8, 11-12, 15-16

Vol. 39. on spine: CCLXXXII - CCLXXXIV

CCLXXXII - 1-16
 CCLXXXIII - 1-16
 CCLXXXIV - 1-16

Vol. 40. on spine: CCLXXXV - CCLXXXVII

CCLXXXV - 1-16
 CCLXXXVIA - 8, 12
 CCLXXXVII - 3-4, 8
 CCLXXXVIII - 1-16

Vol. 41. on spine: CCLXXXIX - CCXC

CCLXXXIX - 1-16
 CCXC - 1-16

Vol. 42. on spine: CCXCI - CCXCIV

CCXCI - 1-14
 CCXCIII - 2-4, 7-8, 12
 CCXCIV - 1-16

Vol. 43. on spine: CCXCV - CCXCVI

CCXCV - 1-16
 CCXCVI - 1-16

Vol. 44. on spine: CCXCVII - CCC

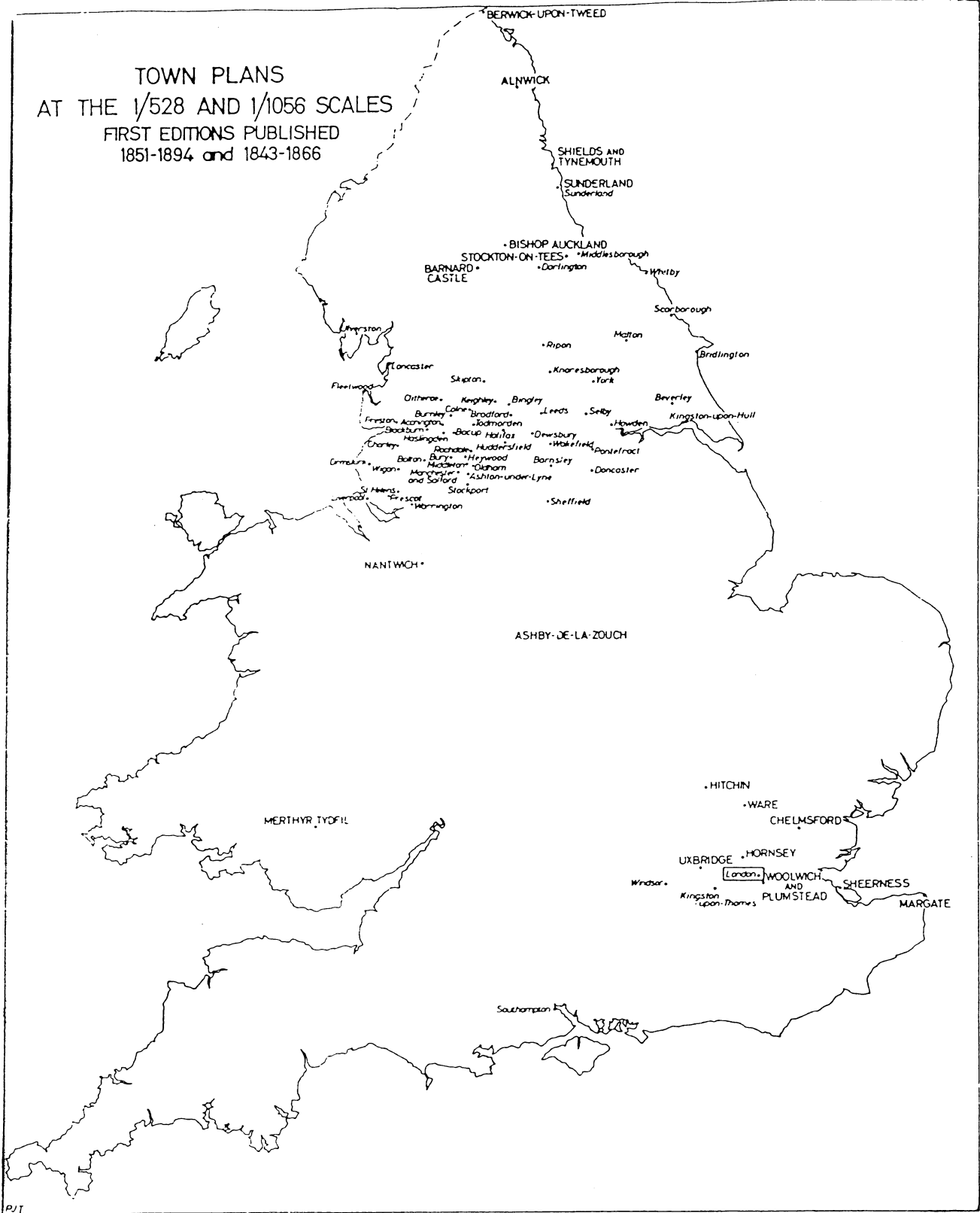
CCXCVII - 1-2, 5, 9, 13
 CCXCVIII - 1-12, 14
 CCXCVIIIA - 3-4, 7-8, 11-12
 CCXCIX - 1, 4, 8, 12
 CCC - 1-11, 13-15

APPENDIX 4

**Maps of England and Wales showing
OS published Town Plans**

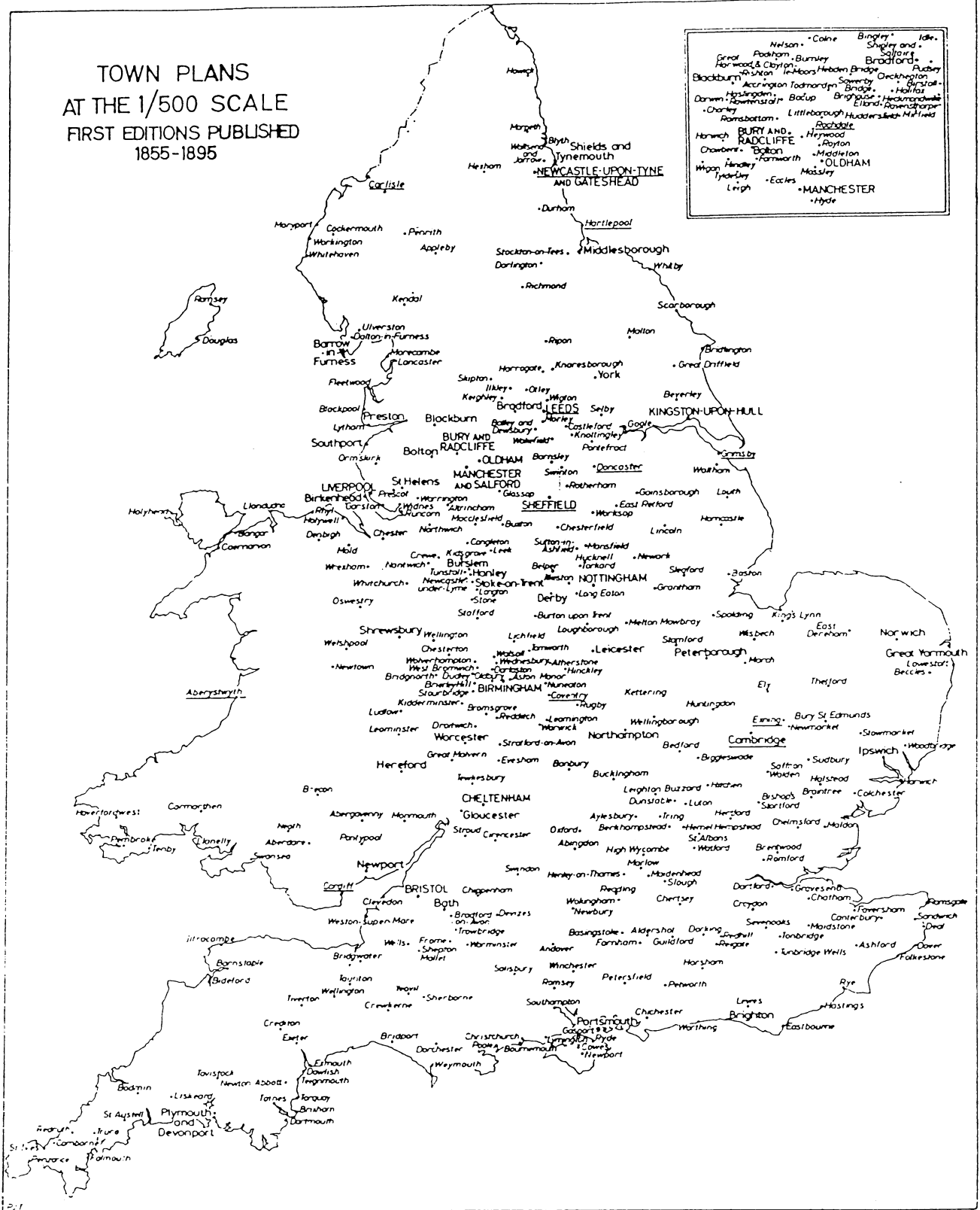
**(from Harley J.B (1964)
"The Historians Guide to Ordnance Survey Maps")**

TOWN PLANS
 AT THE 1/528 AND 1/1056 SCALES
 FIRST EDITIONS PUBLISHED
 1851-1894 and 1843-1866



Town plans published on the scales of 1/528 or 10 feet to one mile (capital letters) and on 1/1056 or 5 feet to one mile (lower case letters). With a few exceptions, including London, only a first edition of the majority of these plans appeared. The distribution is based on the *Catalogue of the 6-inch and 25-inch County Maps and Town Plans of England and Wales and the Isle of Man of the Ordnance Survey of the United Kingdom* (1914), where the publication dates of each plan are given. Indexes were published, mainly at the 6-inch scale, to the sheets of each town.

TOWN PLANS
AT THE 1/500 SCALE
FIRST EDITIONS PUBLISHED
1855-1895



Town plans published on the scale 1/500 or 10.56 feet to one mile. The largest lettering shows towns surveyed on over 100 sheets; the medium-sized lettering those surveyed on 50 to 99 sheets; the smallest those surveyed on below 50 sheets. The towns which have been underlined had their plans revised at their own expense between 1898 and 1908. The distribution is based on the *Catalogue of the 6-inch and 25-inch County Maps and Town Plans* (1914), where the publication dates for each plan are given. Indexes were published at the 6-inch scale to the sheets of each town. The inset in the top right of the diagram shows towns in Lancashire and Yorkshire for which there was insufficient space on the general scale.



APPENDIX 5

County Boundaries before 1974

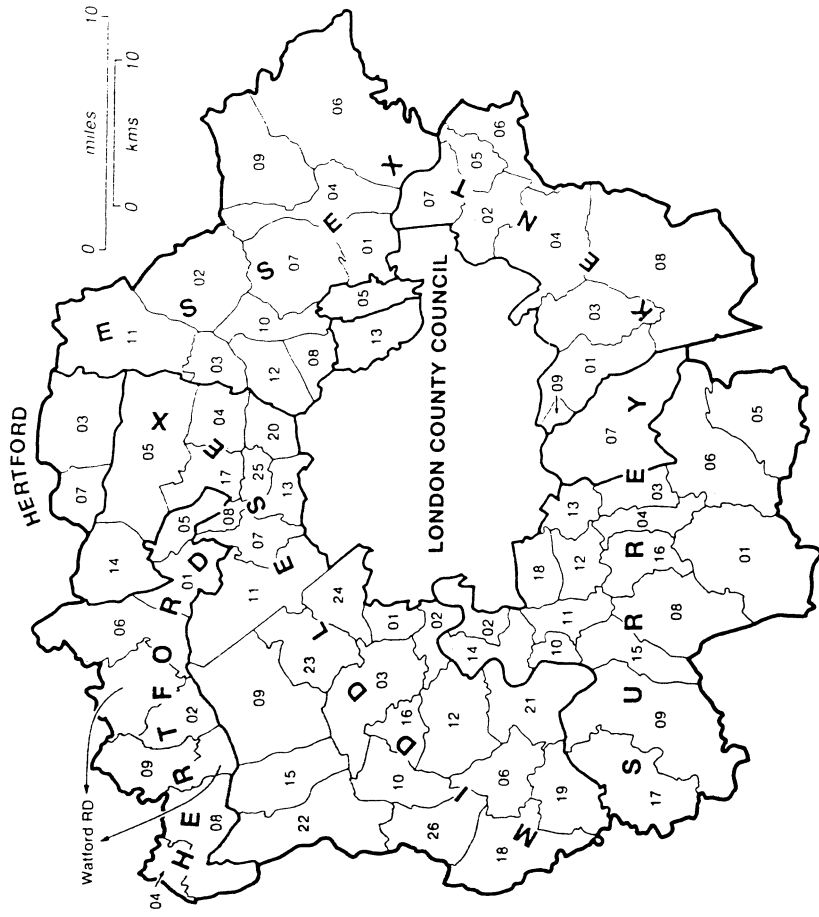


County Boundaries before 1974

APPENDIX 6

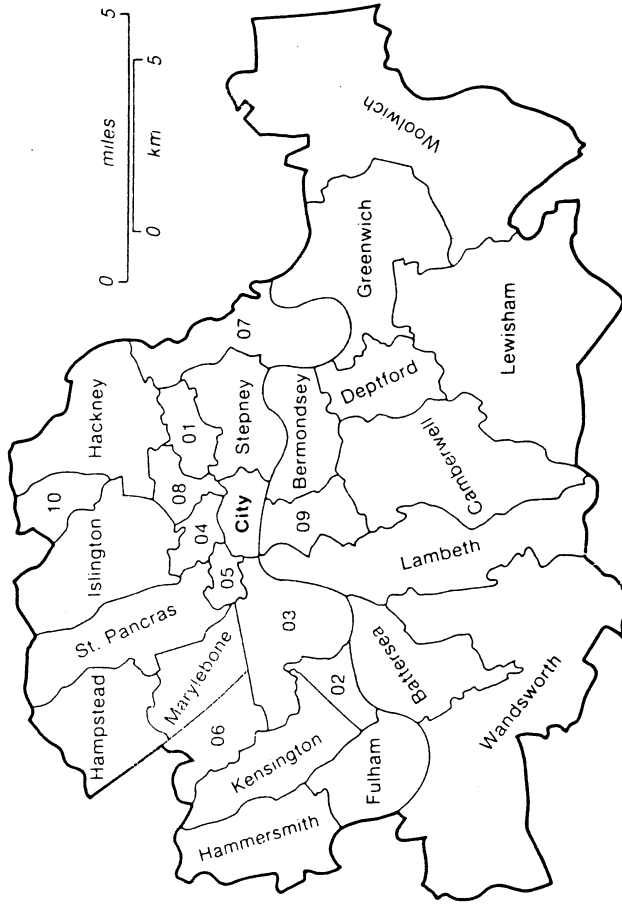
**Local Authority Boundaries in London
before 1965**

(From "The London Government Handbook", Cassell Publishers Ltd.)



Herbert Commission Review Area — Urban and Rural Districts and Municipal Boroughs

- MIDDLESEX**
- 01. Acton MB
 - 02. Brentford and Chiswick MB
 - 03. Ealing MB
 - 04. Edmonton MB
 - 05. Enfield MB
 - 06. Feltham UD
 - 07. Finchley MB
 - 08. Friern Barnet UD
 - 09. Harrow MB
 - 10. Hayes and Harlington UD
 - 11. Hendon MB
 - 12. Heston and Isleworth MB
 - 13. Hornsey MB
 - 14. Potters Bar UD
 - 15. Ruislip-Northwood UD
 - 16. Southall MB
 - 17. Southgate MB
 - 18. Staines UD
 - 19. Sunbury-on-Thames UD
 - 20. Tottenham MB
 - 21. Uxbridge MB
 - 22. Willesden MB
 - 23. Wembley MB
 - 24. Willesden MB
 - 25. Wood Green MB
 - 26. Wiewsley and West Drayton UD
- HERTFORD**
- 01. Barnet UD
 - 02. Bushey UD
 - 03. Chestnut UD
 - 04. Chorleywood UD
 - 05. East Barnet UD
 - 06. Ealstree RD
 - 07. Northaw PH
 - 08. Rickmansworth UD
 - 09. Watford MB
- ESSEX**
- 01. Barking MB
 - 02. Chigwell UD
 - 03. Chingford MB
 - 04. Dagenham MB
 - 05. East Ham CB
 - 06. Hornchurch UD
 - 07. Ilford MB
 - 08. Leyton MB
 - 09. Romford MB
 - 10. Wanstead and Woodford MB
 - 11. Waltham Holy Cross UD
 - 12. Walthamstow MB
 - 13. West Ham CB
- KENT**
- 01. Beckenham MB
 - 02. Bexley MB
 - 03. Bromley MB
 - 04. Chislehurst and Sidcup UD
 - 05. Crayford UD
 - 06. Dartford MB
 - 07. Erith MB
 - 08. Orpington UD
 - 09. Penge UD
- SURREY**
- 01. Bantstead UD
 - 02. Barnes MB
 - 03. Beddington and Wallington MB
 - 04. Caxton UD
 - 05. Caterham and Warlingham UD
 - 06. Coulsdon and Purley UD
 - 07. Croydon UD
 - 08. Epsom and Ewell MB
 - 09. Esher UD
 - 10. Kingston-upon-Thames MB
 - 11. Malden and Coombe MB
 - 12. Merton and Morden UD
 - 13. Mitcham MB
 - 14. Richmond MB
 - 15. Surbiton MB
 - 16. Sutton and Cheam MB
 - 17. Walton and Weybridge UD
 - 18. Wimbledon MB



- 01. Bethnal Green
- 02. Chelsea
- 03. City of Westminster
- 04. Finsbury
- 05. Holborn
- 06. Paddington
- 07. Poplar
- 08. Shoreditch
- 09. Southwark
- 10. Stoke Newington

Inner London before 1965

APPENDIX 7

Goad Fire Insurance Plan Coverage

(information provided by Chas.E. Goad Ltd.)

BRITISH ISLES SERIES - GOAD FIRE INSURANCE PLANS

Notes:

The date(s) indicate the time-span for which new and revised sheets were published.
 KP refers to where a Key Plan only was published.

The Thames Valley volumes have been indexed to show the towns covered.
 The Carrier Warehouses volumes for Leeds & Manchester are shown under those towns but indexed separately.

1893		Batley	1887-1958	Halifax	1897-1959	London K - Brixton, Battersea
1908		Barking (Thames Valley)	1894-1930	Hartlepool	1934	London - St Marylebone, vol.1
1902-1930		Bath	1894-1930	Huddersfield	1934	London - St Marylebone, vol.2
1907		Battersea & Wandsworth (Thames Valley)	1886-1959	Hull, vol.1	1934	London - St Marylebone, vol.3
1900	KP	Bedford	1893-1959	Hull, vol.2	1934	London - St Marylebone, vol.4
1887-1961		Belfast, vol.1			1892-1902	London - St Marylebone, vol.5
1898-1961		Belfast, vol.2	1899-1909	Ipswich	1934	London - St Marylebone, vol.6
1889-1965		Birkenhead <u>see</u> Liverpool	1907	Isleworth (Thames Valley)	1899-1957	Londonderry
1895-1966		Birmingham, vol.1			1908	Long Eaton
1895-1966		Birmingham, vol.2			1900	KP Loughborough
1900	KP	Boston			1900	KP Lowestoft
1923-1932		Bradford, vol.1	1897-1943	Kidderminster	1899-1958	Luton
1929		Bradford, vol.2	1909	Kings Lynn		
1907		Brentford & Kew Bridge (Thames Valley)	1907	Kingston upon Thames (Thames Valley)		
1898		Brighton			1912	Maidstone
1887-1961		Bristol, vol.1			1921-1962	Manchester, vol.1
1896-1961		Bristol, vol.2			1927-1933	Manchester, vol.2
1900	KP	Bury St Edmunds	1902-1962	Leeds, vol.1	1928-1965	Manchester, vol.3
1900	KP	Cambridge	1902-1962	Leeds, vol.2	1902-1962	Manchester, vol.4
1898		Campbeltown	1896	Leeds Carriers Warehouses	1902-1962	Manchester, vol.5
1912		Canterbury	1901-1944	Leicester, vol.1	1928-1948	Manchester, vol.6
1909-1957		Cardiff	1892-1958	Leicester, vol.2	1891-1932	Manchester Carriers Warehouses
1908		Charlton (Thames Valley)	1907-1947	Leicester, vol.3	1900	KP Margate
1912		Chatham	1892-1947	Leith	1907	Mortlake & Barnes (Thames Valley)
1900-1909		Chelmsford	1897	Limerick		
1907		Chiswick (Thames Valley)	1902	Lincoln		
1909		Colchester	1888-1960	Liverpool, vol.1		
1897-1926		Cork	1890-1953	Liverpool, vol.2	1897-1962	Newcastle upon Tyne
1897-1953		Coventry	1909-1960	Liverpool, vol.3	1894-1927	Newcastle upon Tyne Docks
1908		Crayford & Dartford (Thames Valley)	1894-1960	Liverpool, vol.4	1888-1957	Newport, S.Wales
1900		Croydon	1890-1953	Liverpool, vol.5	1899-1956	Northampton
			1929-1953	Liverpool, vol.6 including Birkenhead and Wallasey	1908	Northfleet (Thames Valley)
1908		Dagenham (Thames Valley)	1885	Liverpool Mercantile Warehouses and Sheds	1894-1952	Norwich
1893		Dewsbury			1886-1940	Nottingham, vol.1
1905		Dover	1900	London-General Key Plans	1892-1959	Nottingham, vol.2
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1891-1961		Dundee	1889-1963	London III -City (east)	1888-1956	Paisley
			1887-1963	London IV -Southwark	1900	KP Peterborough
1892-1960		Edinburgh <u>including</u> Cranton	1887-1960	London V -East End	1891-1962	Plymouth
1908		Erith (Thames Valley)	1922-1962	London VI -City fringes(N)	1908	Purfleet (Thames Valley)
1888-1962		Exeter	1887-1965	London VII -Bermondsey	1907	Putney & Wandsworth (Thames Valley)
1900	KP	Folkestone	1888-1962	London VIII -Covent Garden		
			1889-1962	London IX -Soho & Mayfair		
1887-1962		Glasgow, vol.1	1889-1965	London X - Lambeth	1908	Rainham (Thames Valley)
1889-1960		Glasgow, vol.2	1890-1962	London XI -East End(N)	1900	KP Ramsgate
1890-1969		Glasgow, vol.3	1891-1960	London XII -Paddington etc.	1895-1958	Reading
1898-1959		Glasgow, vol.4	1901-1966	London A - Victoria	1907	Richmond (Thames Valley)
1901-1960		Glasgow, vol.5	1892-1961	London B - Kilburn etc.		
1929		Glasgow, vol.6	1889-1960	London C - Euston etc.	1896-1958	Sheffield
1891-1927		Gloucester	1892-1960	London D - Bloomsbury & Clerkenwell	1897-1959	Southampton
1896		Goole	1899-1961	London E - Hackney, Hoxton	1894-1962	Sunderland
1908		Gravesend (Thames Valley)	1893-1961	London F - Bow, Stratford	1888-1957	Swansea
1908		Grays & Thurrock (Thames Valley)	1894-1963	London G - Poplar, Isle of Dogs	1907	Teddington (Thames Valley)
1896-1955		Great Grimsby	1897-1961	London H - Blackheath, Greenwich	1907	Thames Valley, vol.1
1909		Great Yarmouth		London J - Camberwell, Peckham	1907	Thames Valley, vol.2
1888-1960		Greenock	1897-1970		1900	KP Wallasey <u>see</u> Liverpool
1900	KP	Guildford			1908	Wellingborough
						Woolwich (Thames Valley)

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