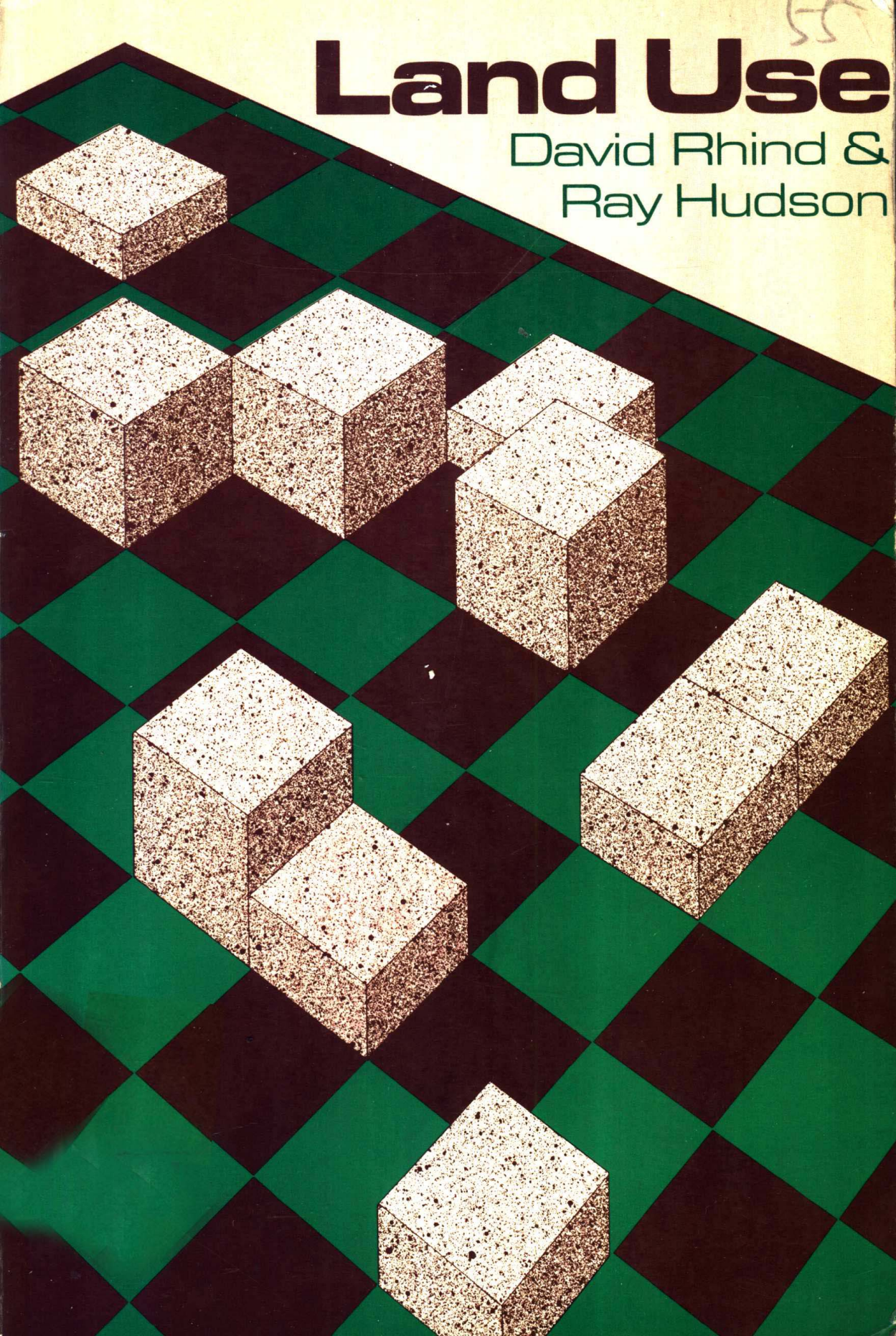


Land Use

David Rhind &
Ray Hudson



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Preface

It is perhaps rare to be able to identify the precise moment at which a particular decision was taken which, however elliptically, eventually led to the writing of a book. In this case, however, we retain a vivid memory of that moment. In the course of running a field trip for first year undergraduates to Alnwick in 1975, we designed a project on urban land use. Musing on the desirability of being able to collect detailed land use data not merely for one but for a whole series of towns, we chanced across a report in *The Times* concerning the establishment of the Job Creation Programme by the Manpower Services Commission. Could we get them to provide the financial resources to enable us to mount a survey to collect such comparative data? It transpired that we could and, as a result, a considerable slice of both our lives for the next three years was given over to organizing the Durham and Northumberland Land Use Surveys: we take this opportunity to record our gratitude to the one hundred or so staff employed at various times on these surveys for the high standards which they maintained throughout. Above all, we wish to record our thanks to Professor W.B. Fisher who, as Honorary Secretary of the Durham Research Trust, facilitated the running of these projects. As a consequence of the efforts of our staff, we found ourselves in possession of very detailed data for the use of individual properties in the urban areas of the counties of Durham and Northumberland, to which we subsequently added similar data for Tyne and Wear County (by courtesy of the Tyne and Wear County Council) and are adding data for Cleveland County. John Hanna and Mandy Lane contributed greatly in the analyses of these data, some of which are included in this book.

A consequence of directing these surveys was that we both became increasingly interested in more general issues to do with land use which, in turn, stimulated us to write this book. It is written primarily as an introduction for an Honours degree undergraduate audience, intended to open up the rich variety of information and concepts related to the study of the use of land. While it does contain some original material from our own joint and individual research, it largely involves the bringing together and synthesis of a wide variety of existing work pertaining to land use studies and is organized around the basic theme of 'how can we order land use data?' – necessarily

encompassing all the various inter-related stages of data capture, interpretation, modelling and theorizing. It seemed to us that such a synthesis was not only intrinsically desirable but posed a stimulating intellectual challenge: whether we have succeeded we must leave to others to judge.

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The diagrams were drawn by Mr A. Corner and his staff in the Drawing Office of the Department of Geography, University of Durham. Photo-mechanical reproduction was by Mr D. Hudspeth and his staff of the same department. The doubtful privilege of producing a decent typescript fell on Mrs Bell and her typing colleagues in the Department of Geography. R.H. would also like to thank the University of Durham for one term's sabbatical leave in the Easter term of 1978, which enabled him to make substantial progress with his contribution to the book. Both authors would also like to thank the same institution for granting D.R. sabbatical leave in the Michaelmas term of 1979 – the pressures of his resultant impending departure to the Antipodes served to concentrate our minds wonderfully on the task of completing the text.

D.R.
R.H.
Durham
July 1979

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Figures

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Glossary of abbreviations

AERE	Atomic Energy Research Establishment (UK)
AGRG	Applied Geochemical Research Group (USA)
CSIRO	Commonwealth Scientific and Industrial Research Organisation (Australia)
CSO	Central Statistical Office (GB)
DoE	Department of the Environment (England and Wales)
DLUS/NLUS	Durham/Northumberland Land Use Surveys
ECU	Experimental Cartography Unit of the Natural Environment Research Council (UK)
EROS	Earth Resources Observation Systems Program, Department of the Interior (USA)
GB	Great Britain (England, Scotland, Wales)
GSS	Government Statistical Service (GB)
IGU	International Geographical Union
JIS	See NGPS
LUNR	Land Use and Natural Resources Inventory of New York State
MAFF	Ministry of Agriculture, Fisheries and Foods (UK)
NASA	National Aeronautics and Space Administration (USA)
NGPS	National Gazetteer Pilot Study (joint study financed by the Department of the Environment and Tyne and Wear County Council; when taken over entirely by the latter, it became known as the Joint Information System)
NLUC	National Land Use Classification
OECD	Organisation for Economic Cooperation and Development
OPCS	Office of Population Censuses and Surveys (England and Wales)
OS	Ordnance Survey (GB)
SDD	Scottish Development Department
SLUS	Second Land Utilisation Survey (GB)
UK	United Kingdom (England, Scotland, Wales and Northern Ireland)
USDA	United States Department of Agriculture
USGS	United States Geological Survey
WLUS	World Land Use Survey

Contents

Preface	vii
Acknowledgements	ix
Figures	xi
Glossary of abbreviations	xv

Part 1

1	Introduction: issues and themes	3
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Part 2

2	Land use data and the user	13
3	Conceptual and technical aspects of land use	18
4	Obtaining land use data	52
5	Handling and analysing land use data	96

Part 3

6	Land use within Britain	129
---	-------------------------	-----

Part 4

7	Models of agricultural land use	147
8	Models of urban land use	172
9	Reforming land use models	205
10	Land use models: alternative interpretations	226

Part 5

11 Reality, then, is not simple . . .	245
Bibliography	248
Name index	267
Subject index	269
Location index	271

Figures

3.1	Land use in the same area classified on formal functional bases.	19
3.2	Point sampling of land use.	21
3.3	a Point-based and b zone-based representations of the same urban land use data.	23
3.4	Selected land uses superimposed on the outline of 1971 Census Enumeration Districts.	26
3.5	The definition of geographical individuals.	28
3.6	Aliasing.	33
3.7	The hierarchical organization of the National Land Use Classification.	45
4.1	Procedures for collecting spatial data.	53
4.2	Wasteland in England in 1086.	54
4.3	The representation of urban land use on 1/1,250, 1/10,000 and 1/50,000 scale OS maps.	58-9
4.4	The growth of Copenhagen, as shown by topographic maps.	60-1
4.5	The area around London (Heathrow) airport and the Developed Areas, interpreted from aerial photographs.	64
4.6	A section of the United States Geological Survey land cover and land use map for the Palm Beach area of Florida.	67
4.7	The sections of the Electromagnetic Spectrum normally used in remote sensing.	71
4.8	Some spectral signatures detected by Carter and Jackson (1976) from Landsat MSS data in the Reading area.	71
4.9	Diagrammatic portrayal of survey using Infra-Red Line Scan (IRLS).	72
4.10	Scale variations within aerial photographs.	75
4.11	a Photograph scale and number of classes of land use in different surveys.	78

xii *Figures*

b	Photograph scale and scale of land use mapping in different surveys.	78
4.12	Landsat 1 and 2 satellites.	80
4.13	The principles of remote sensing.	81
4.14	The survey by Landsat MSS of one swath around the world.	82
4.15	Landsat pixels superimposed on urban topography.	83
4.16	The arrangement of images taken on successive Landsat passes.	85
4.17	Urban development, 1969–76, detected by multispectral scanners carried by Landsat 2.	90
4.18	A map of land use in Tunis, based upon recording of the land use in adjacent shops and little accurate topographic data.	91
4.19	The coding form used in the field by surveyors in the Northumberland Land Use Survey.	93
4.20	A proposed operational system for the detection of change within urban areas.	95
5.1	Representation of points, line and areas on a map and as approximated within a computer.	97
5.2	Conversion of data from one set of spatial data collection units to another.	98
5.3	The representation of lines after raster scanning.	100
5.4	The modal land use in each 100 m square covering the town of Darlington, County Durham.	103
5.5	The modal land use in each 150 m square covering Darlington, County Durham.	104
5.6	The re-organization of Ordnance Survey digital cartographic data to form property parcels.	106–8
5.7	a All 35,000 properties in Darlington district, and b after filtering through a Point-in-Polygon program to select only those properties in Darlington town.	109
5.8	An automated classification of the data in table 5.2, excluding the residential, offices and mineral extraction land uses.	112
5.9	A cartogram to illustrate the classification of districts in Northumberland, Tyne and Wear and Durham.	113
5.10	Three different forms of spatial distribution characterized by the near(est) neighbour statistic.	114
5.11	The use of 'pattern' in property space.	115
5.12	Overlay of two maps; land use at different moments and the difference between them.	117
5.13	a Sieving different data sets. b A similar procedure using coarse raster-based data.	118–19
5.14	Part of a line printer map of land use in Ohio.	122

5.15	A cathode ray tube (Tektronix 4014).	123
5.16	A block diagram showing the density of properties of all types in Durham City, viewed from the southwest.	124
6.1	'Developed Areas' in the South East Economic Planning Region of Britain.	138
7.1	Von Thünen's Isolated State.	148
7.2	Economic rent for a single crop and the quality of land.	152
7.3	Economic rent for a single crop and distance.	152
7.4	Economic rent and land use change.	152
7.5	Uruguay: departmental boundaries.	154
7.6	Uruguay: soil types.	155
7.7	Uruguay: transport networks.	156
7.8	Uruguay: agricultural land use classification.	157
7.9	Uruguay: agricultural land use regions.	159
7.10	Intensity of agricultural production in Europe.	161
7.11	Distortions of the regular annular structure a of the von Thünen landscape, and b by a second competing centre; c alternative transport routes, and d areas of differing productivity.	162
7.12	Directional variations in railway freight costs in selected areas of the USA.	163
7.13	Land use in relation to distance from the village centre: Canicatti, Sicily.	167
7.14	Stages in the analysis of hypothetical movement inputs for land uses.	170
8.1	Burgess' Concentric Zone Model.	173
8.2	The relationship of land use to building height.	175
8.3	Generalized rent patterns in selected US cities.	176
8.4	Hoyt's Sectoral Model.	178
8.5	Burgess' and Hoyt's models of the urban structure of Chicago.	178
8.6	The changing location of fashionable residential areas (shaded) in Boston, Massachusetts.	179
8.7	Mann's model of urban structure.	180
8.8	Harris and Ullman's Multiple Nuclei Model.	181
8.9	The structure of Calgary 1961.	182
8.10	Growth-distance relationships in urban conversion of land in southern Cambridgeshire, England.	184
8.11	The distribution of public sector housing in Sunderland, England.	187
8.12	The social areas of Popayan, Colombia.	189
8.13	Bid-rents of different users of urban land in relation to distance from the city centre.	192

8.14	Intra-urban land use allocation in relation to bid-rents.	193
8.15	Models of urban land value surfaces.	194
8.16	The distribution of land values in Topeka, Kansas.	195
8.17	Berry's classification of urban business configurations.	198
8.18	Garner's model of the internal structure of shopping centres.	199
8.19	Horwood and Boyce's central area Core-Frame Model.	200
8.20	Davies' model of the structure of central area retailing facilities.	201
8.21	Retail configurations in the Coventry central area: actual distributions.	202
8.22	Retail configurations in the Coventry central area: theoretical distributions.	203
9.1	The land constraint on the production of the African farmer.	207
9.2	The labour constraint on the production of the African farmer.	207
9.3	The coffee quota constraint on the cash crop production of the African farmer.	207
9.4	The land, labour and coffee quota constraints combining to delimit the area of feasible solutions.	207
9.5	The constraints, objective function and optimal solution.	207
9.6	The relationship between actual and maximum possible productivity of farm labour in middle Sweden.	208
9.7	Locating the optimal strategy combination.	211
9.8	Urban land use change: the sequence of action and influence of values.	213
9.9	National Parks, Areas of Outstanding National Beauty and long-distance footpaths in England and Wales.	222

Part 1

