

Australian Bureau of Statistics INFORMATION PAPER

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CENSUS 81—MAPS

NEW ISSUE

PHONE INQUIRIES

for more information about these statistics—contact Mr Fred Dawes on Canberra (062) 52 5848 or any of our State offices.

other inquiries including copies of publications—contact Information Services on Canberra (062) 52 6627 or in any of our State offices.

write to Information Services, ABS, P.O. Box 10, Belconnen, A.C.T. 2616 or any of our State offices.

Introduction

The 1981 Census of Population and Housing counted persons and dwellings throughout Australia on 30 June 1981.

To complement the Census results which will be available for various geographic areas such as States, Statistical Divisions, Local Government Areas and Census Collection Districts, the following 1981 Census maps will be available from the Australian Bureau of Statistics and the Division of National Mapping:

- Statistical area maps
- 1981 Census field maps
- Australia: Statistical Divisions and Local Government Areas map 1:5,000,000 scale
- Australia: Population Distribution map 1:5,000,000 scale
- 1981 Atlases of population and housing

Definitions of geographic areas appearing in Census maps are shown in Appendix A.

Statistical area maps

There are 19 statistical area maps altogether for Australia. These maps are prepared in support of the Census statistical publications *Persons and Dwellings in Local Government Areas and Urban Centres* (2401.0—2408.0).

They show the following, 1981 Census boundaries, area names and code numbers in each State and Territory at the following levels:

- Statistical Division
- Statistical Subdivision/District
- Local Government Area
- Urban Centres with more than 25,000 population in Statistical Districts (shown in red)

The statistical area maps will be available progressively by State and Territory. The 1981 Census field maps, as well as being included in the statistical publications (2401.0-2408.0). These publications will also be available progressively by State and Territory from April 1982.

The following list sets out the areas covered on each map sheet.

New South Wales—

- Sheet 1 — State
- Sheet 2 — Sydney Statistical Division
- Sheet 3 — Statistical Districts

Victoria—

- Sheet 1 — State
- Sheet 2 — Melbourne Statistical Division
- Sheet 3 — Statistical Districts

Queensland—

- Sheet 1 — State
- Sheet 2 — Brisbane Statistical Division
- Sheet 3 — Statistical Districts

South Australia—

- Sheet 1 — State
- Sheet 2 — Adelaide Statistical Division
- Sheet 3 — Statistical Districts

Western Australia—

- Sheet 1 — State
- Sheet 2 — Perth Statistical Division

Tasmania—

- Sheet 1 — State
- Sheet 2 — Hobart Statistical Division

Northern Territory—

- Sheet 1 — Territory
- Sheet 2 — Darwin Statistical Division

Australian Capital Territory—

- Sheet 1 — Territory

These maps cost 50 cents a sheet (including postage and handling).

* Some maps printed beyond A4 size in length to include the list of LGA names and codes.

1981 Census field maps

Maps used in the collection of the 1981 Census of Population and Housing are now available for purchase. These are the 1981 Census field maps which are designed primarily to define Census collection district boundaries for collectors to deliver and collect Census schedules.

The maps are a useful aid to understanding small area statistics; however, because the map scales vary, they cannot always be joined to form larger geographic areas.

Field map features

Each field map has the following features:

- (a) a topographical base (printed in black); and
- (b) Census Division and LGA names and boundaries, Census Subdivision and Collection District (CD) boundaries and the six digit CD field code (Census Division, first two digits; Subdivision, third and fourth digits; and CD, last two digits).

To relate the CD field code to other geographic levels, it is essential to purchase 'Collection District Conversion List in Field Code Order' (microfiche batch 81.005). This batch consists of only two fiche priced at 30 cents each.

On the back of each map is an index map which shows the outer boundaries of the Census Division which contains the CD and the Census Subdivisions and LGA's within that Division. Index maps are common for the field maps in the same Division.

Census field maps on microfiche

This is the first Census for which CD field maps are available on microfiche, and is an economical way to obtain copies of the field maps.

Identification of each State is made easy with a colour coded strip across the top of each microfiche. Headings indicate the Census Division name, number and State.

Because there can be more than one microfiche to a Census Division, each microfiche contains the index map of the Division as well as the index to sheets for the field maps in that Division. On average, each microfiche shows 23 map sheets. The CD maps have been located on the microfiche so that neighbouring maps are adjacent to each other. Large Census Divisions may occupy two or three microfiche. Any microfiche reader can display the maps, but use of a 17mm or 24X lens will be necessary if the whole of the map image is to appear on the display screen.

Field maps—prices

1981 Census field maps vary in price according to the form in which they are obtained. Field map prices are as follows:

- Microfiche 30 cents a fiche
- A4 Photocopies* 20 cents a sheet
- Original map sheets** \$1.50 a sheet

All charges include postage and handling.

- * Good quality A4 photocopies are available for selected Census Divisions. Note that C3 photocopies are not available, contrary to information given to that effect in a green brochure entitled *Census Maps*.

- ** Only a limited number of original map sheets are available.

ORIGINALS/MICROFICHE OF 1981 CENSUS FIELD MAPS—PRICE PER STATE

State	Number of map sheets	Total price @ \$1.50 each original \$	No. of microfiche (colour code)	Total price @ 30c each fiche \$
N.S.W.	1,696	2,544.00	79 (Blue)	23.70
Vic.	1,182	1,773.00	55 (Gold)	16.50
Qld	1,188	1,782.00	49 (Red)	14.70
S.A.	526	789.00	22 (Orange)	6.60
W.A.	515	772.50	22 (White)	6.60
Tas.	286	429.00	12 (Green)	3.60
A.C.T.	49	73.50	2 (Brown)	.60
N.T.	47	70.50	2 (Purple)	.60
Australia	5,489	8,233.50	243	72.90

Maps of Australia

Two maps of Australia (scale 1:5,000,000) will be published by the Division of National Mapping (NATMAP). They are:

Australia: Statistical Divisions and Local Government Areas. This map shows Statistical Divisions and Local Government Areas (LGA's) or equivalent used for the 1981 Census (except those LGA's wholly within a major urban area). Statistical Divisions are distinctively coloured and LGA's, which are identified by their Census code numbers, have their names listed on the back of the sheet. For clarity, the information for the Statistical Division or District enclosing each major urban area except Canberra is shown as an inset. This map will be released towards the end of 1982.

Australia: Population Distribution 1981. This map shows population distribution at the Census by the use of circles of various sizes for population clusters and dots for scattered rural population. Centres of over 25,000 also have the population printed in numerals beside the circles. This map will contain insets for major urban areas. It will be available about June 1983.

Both of these maps will be available from offices of the ABS (see Appendix B) and from Natmap Sales, PO Box 31, Belconnen, A.C.T. 2616, for \$3.50 each.

Atlas of population and housing

The Division of National Mapping will produce a series of atlases for the major urban areas in Australia using 1981 Census data compiled at the CD level. The atlases will show, for example, the distribution of Australian born persons with overseas born parents, or married women in the labour force, as well as many other social and demographic statistics which appear to be significant census statistics in each urban area. Similar atlases were produced from 1976 Census data.

The atlases also contain two foldout reference maps, one showing LGA's and Commonwealth Electoral Divisions, and the other showing Postcode areas.

The areas to be covered by the atlases are those urban centres with a population of 100,000 or more: Canberra and Queanbeyan, Hobart, Adelaide, Perth, Brisbane and Gold Coast, Sydney, Wollongong and Newcastle, Melbourne and Geelong.

They will become available progressively from late 1982 to the end of 1983, commencing with the A.C.T. or Tasmania, and will be available from Natmap Sales, PO Box 31, Belconnen A.C.T. 2616. Prices are not yet known.

Summary of prices

Statistical area maps	50 cents each
1981 Census field maps—	
Microfiche	30 cents each
Original map sheets	\$1.50 each
A4 Photocopies	20 cents each
Australia: Statistical Divisions	
and Local Government Areas map,	
1:5,000,000 scale	\$3.50 each
Australia: Population Distribution	
1981 map, 1:5,000,000 scale	\$3.50 each

Further inquiries

If you have any further inquiries regarding maps or statistics from the Census, please contact your local ABS Office (see Appendix B).

Related publications

A general discussion of the statistics planned from the 1981 Census is contained in *Census 81—Data Release Plans* (2142.0)

Other related publications are:

Catalogue of 1981 Census Tables (2139.0)(a)
Making Sense of Census 81 (2140.0)
Geographic Code List (2141.0)
Census 81—Data Release Plans (2142.0)(a)
Census 81—Magnetic Tape Summary Files (2143.0)
Census 81—Statistical Publications (2144.0)
Census 81—Microfiche (2145.0)
Census 81—Industry (2147.0)
Census 81—Occupation (2148.0)
Census 81—Education Qualifications (2149.0)
Census 81—Dwelling, Household, Family (2150.0)
Census 81—Income (2151.0)
Census 81—Language (2152.0)
Census 81—Aboriginals and Torres Strait Islanders (2153.0)

(a) Denotes available at date of printing. For dates of release of the other publications see *Census 81—Data Release Plans* (2142.0)

As well as the statistical publications *Persons and Dwellings in Local Government Areas and Urban Centres* (2401.0—2408.0), which will include statistical area maps, two other series of statistical publications containing final 1981 Census data will be published.

They are *Summary Characteristics of Persons and Dwellings* (2435.0—2443.0) and *Cross-Classified Characteristics of Persons and Dwellings* (2444.0—2452.0).

Another statistical publication containing data from preliminary processing has already been published: *Preliminary Counts—Australia, States and Territories* (2209.0).

The *Information Paper: Census 81—Statistical Publications* (2144.0) gives more detail about these publications and how to order them.

R. J. CAMERON
 Australian Statistician

APPENDIX A

Geographic definitions

Information from the Census is available at various geographic levels, only some of which are described in this Appendix. Information on other geographic dissections is available on request. Some of the principal levels are described below:

Collection District (CD)

A CD is the area and population that one Census collector can cover, delivering and collecting Census schedules in a specified period (approximately 10 days), i.e. about 300 dwellings in urban areas and fewer in rural areas. CD's can be aggregated to form other geographic levels, such as LGA's, Statistical Districts, Statistical Divisions, etc.

Local Government Area (LGA)

This is the basic unit used in the presentation of Census data. LGA's correspond in all but a few instances to legal Local Government Authority areas, e.g. City, Municipality, Shire, District Council. The areas depicted in the maps are those which existed at 30 June 1980 for all States except N.S.W. where the areas existing at 1 January 1981 were used. The exceptions where Census LGA's do not correspond to legal boundaries are:

- (i) areas affected by minor boundary changes, details of which were received too late for implementation;
- (ii) the City of Brisbane, which covers a large area;
- (iii) the Australian Capital Territory, which contains no Local Government Authority areas; and
- (iv) the Northern Territory, which contains only two Local Government Authority areas.

Brisbane, the Australian Capital Territory and the Northern Territory are divided into areas which are treated as LGA's for Census purposes and are known as Census LGA's.

Urban Centres

At each Census of Population and Housing a boundary is defined for each population cluster of 1,000 or more people and for known holiday resorts of less population if they contain 250 or more dwellings of which at least 100 are occupied. These clusters are known as Urban Centres and the population and dwellings enumerated in them are classified as urban for statistical purposes. The rules used to determine Urban Centres and define their boundaries are complex; they can be made available on request.

Statistical Division

Statistical Divisions are designed to be relatively homogeneous regions characterised by identifiable social and economic links between the inhabitants and between the economic units within the region, under the unifying influence of one or more major towns or cities. Capital City Statistical Divisions are predominantly urban in

character and the boundaries are delineated to contain the anticipated urban development of the capital cities (and associated Urban Centres) for a period of at least twenty years.

Statistical Subdivision

A Statistical Subdivision is defined in most States on the same basis as a Statistical Division but as a portion of the latter.

Statistical District

Generally, a Statistical District is a Statistical Subdivision that meets additional criteria. Most Statistical Districts contain an Urban Centre with a population of 25,000 or more and, like a Capital City Statistical Division, their boundaries are delineated to contain the anticipated urban development of the centre for a period of at least twenty years. These fixed boundaries delineate areas which for general statistical purposes are free from the problems imposed by the moving boundaries of the majority of Urban Centres.

In selected cases, especially in Queensland, Statistical District boundaries have been delineated around Urban Centres with a population of fewer than 25,000, where there was a demand for intercensal population estimates for the area and where existing LGA boundaries were obviously inadequate for this purpose.

There are three cases where Statistical Districts are not equivalent to Statistical Subdivisions. They are the Statistical Districts of Gold Coast and Albury-Wodonga which cross State boundaries and each of which consists of two Statistical Subdivisions, and the Canberra Statistical District which consists of the Canberra Statistical Division and the LGA of Queanbeyan in New South Wales.

Census Division

This is the major unit in the collection of Census data. Census Divisions generally correspond to the Commonwealth Electoral Divisions existing at the time of the Census and adopt the same name. Some Electoral Divisions are split into two Census Divisions because of their size.

Census Subdivision

Census Subdivisions divide Census Divisions into Field Group Leader workload areas and contain an average of 10 CD's. Subdivisions are designated by a two digit numeric code allocated within Census Division in geographical sequence. Where possible, they are aligned to LGA's and in no case does a Census Subdivision boundary cross an LGA boundary.

APPENDIX B

INQUIRIES

NEW SOUTH
WALES

Information Services
St Andrew's House
Sydney, N.S.W. 2000
(Box 796 GPO Sydney 2001)
Phone (02) 268 4395-6-7
Telex AA20819

VICTORIA

Information Services
Commonwealth Banks Building
Cnr Elizabeth & Flinders Streets
Melbourne, VIC. 3000
(Box 2796Y GPO Melbourne 3001)
Phone (03) 652 6192
Telex AA30086

QUEENSLAND

Information Services
345 Ann Street
Brisbane, QLD 4000
Phone (07) 335 482
Telex AA40271

SOUTH
AUSTRALIA

Information Services
City Mutual Centre
10-20 Pulleney Street
Adelaide, S.A. 5000
(Box 2272 GPO Adelaide 5001)
Phone (08) 228 9439
Telex AA82106

WESTERN
AUSTRALIA

Information Services
1-3 St George's Terrace
Perth, W.A. 6000
Phone (09) 323 5140
Telex AA92041

TASMANIA

Information Services
Australian Government Centre
10th Floor
188 Collins Street
Hobart, TAS. 7000
(Box 66A GPO Hobart 7001)
Phone (002) 20 4437 or 20 4495
Telex AA58098

NORTHERN
TERRITORY

The Statistician—Northern
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7th Floor MLC Building
81 Smith Street
Darwin, N.T. 5790
(Box 3796 PO Darwin 5794)
Phone (089) 80 2717
Telex AA85075

AUSTRALIAN
CAPITAL
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Box 10 PO
Belconnen, A.C.T. 2616
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