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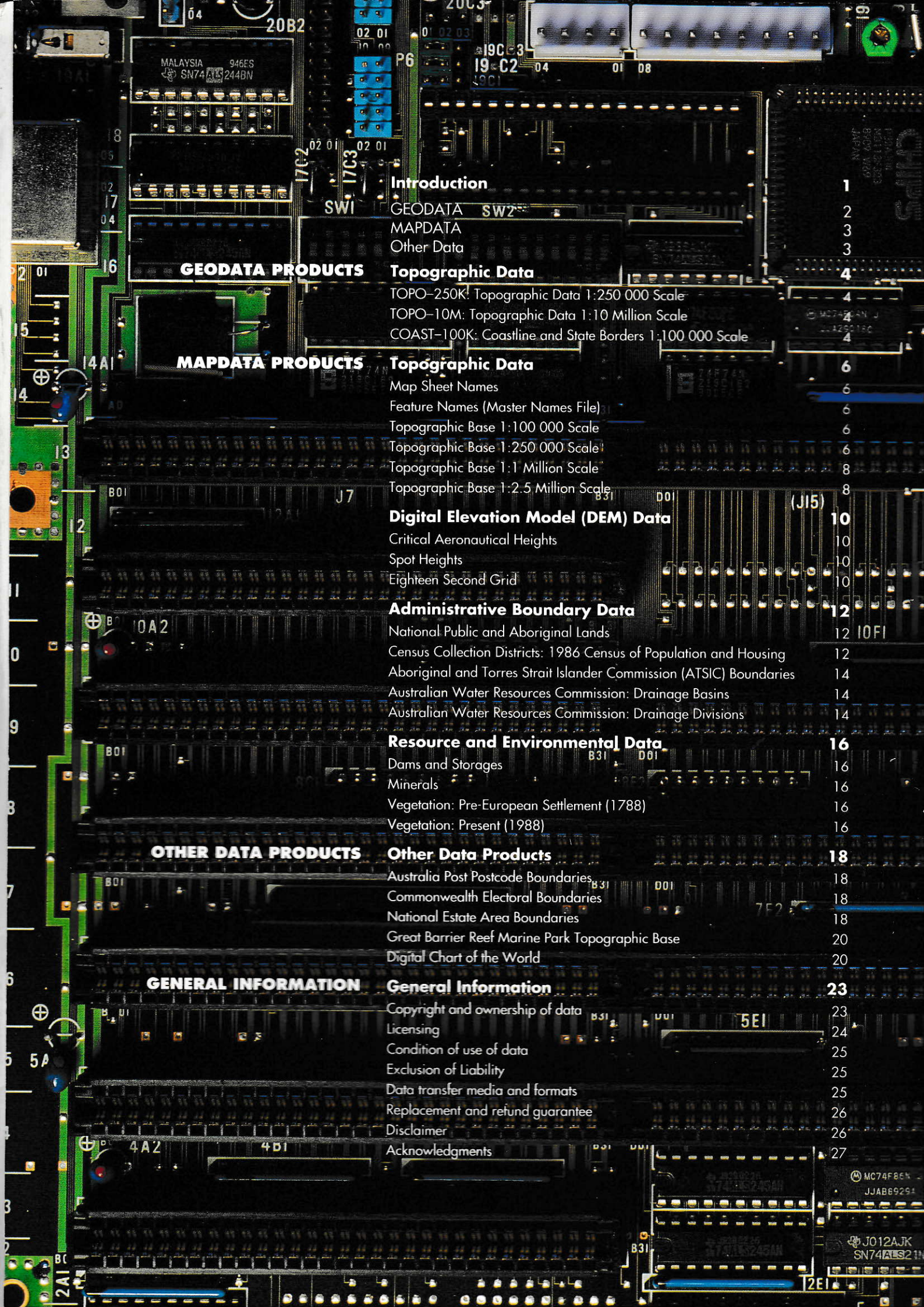
DIGITAL
DATA
PRODUCT
CATALOGUE
AUSLIG
TOPO
250K
DATA
USER GUIDE
GEODATA
AUSLIG



INTRODUCTION

The AUSLIG Data Product Catalogue is published by the Australian Surveying and Land Information Group (AUSLIG) on a regular basis to provide details of available digital spatial data products. The AUSLIG Data product range includes topographic, digital elevation model, administrative boundary, and resource and environmental data.

Digital spatial data encompasses map information in computer readable form. A printed map is a representation (or model) of the real world, using graphical symbols and lines plotted to scale on a known map projection. A digital data file, also a representation of the real world, uses coordinates to define locations, and codes to define the features and phenomena which exist at those locations. The coordinate data may be indirectly linked to feature and attribute information held in relational database tables. For example, a road data file might contain the latitude and longitude of the road centre line which would then be linked to a table giving the road's name, surface type and route number. In less sophisticated formats the coordinate data are directly linked to a code which indicates the feature.

Coordinates in AUSLIG Data products are either geographic (i.e. longitude, latitude) or Australian Map Grid (i.e. easting, northing).

GEODATA PRODUCTS
TOPOGRAPHIC DATA

	Content	Coverage
G1 TOPO–250K TOPOGRAPHIC DATA	Comprises data captured from the *1:250 000 Scale National Topographic Map Series*. Data are available in the following themes: • hydrography—drainage networks including rivers, lakes and wetlands; • infrastructure—systems for the transport of goods and services along with places so that these services may be located; and • relief—spot heights. Not all features shown on the printed map are included in the product. The main features that have been omitted are: • cartographic names—names of features and places are included as feature attributes only, and no information is given about the cartographic position of names; • vegetation and 50-metre contours; and • buildings—only buildings important enough to be shown on 1:1 million scale maps (usually homesteads) are included.	National coverage will be completed in 1994. See program in back of this catalogue.
G2 TOPO–10M TOPOGRAPHIC DATA	Data are derived primarily from AUSLIG's 1:5 million and 1:10 million scale cartographic products, supplemented by other AUSLIG products. The data includes the following features: rivers and lakes, coastline and islands, State borders, roads, railways, populated places, bathymetric and land contours, spot elevations and annotation.	Australia
G3 COAST–100K COASTLINE AND STATE BORDERS	The data have been derived from the *1:100 000 Scale National Topographic Map Series* and contain the coastline as depicted by the Mean High Water Mark (MHWM), seaward islands shown on the source material plus State land borders. The coastline includes the main outline of the land and includes bays, the outer edge of mangroves and closes of narrow inlets and watercourses at or near their mouths.	Australia

Currency	Coordinates	Format*
Reflected by the reliability date of the printed map. Some features, e.g. changes to major roads, railways, boundaries of major cities and new populated places, will be updated as the product is acquired.	AMG and Geographical	GINA, ARC/INFO, DXF and AS 2482
Late 1980s	Geographical	GINA, ARC/INFO, DXF and AS 2482
Varies and is based on reliability date of *1:100 000 Scale National Topographic Map Series*	Geographical	GINA, ARC/INFO, DXF and AS 2482

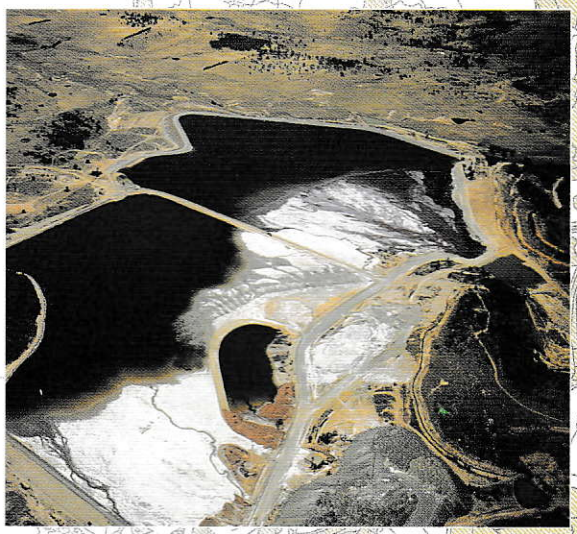
*For more information, see the Data Transfer Media and Formats on page 25.

GEODATA

MAPDATA PRODUCTS
TOPOGRAPHIC DATA

	Content	Coverage
M1 MAP SHEET NAMES	A listing of map sheet names appearing on 1:100 000 and 1:250 000 scale topographic maps. The dataset contains map number, map name, latitude and longitude of NW corner, latitude and longitude coverage, States/Territories covered and related map numbers.	Australia
M2 FEATURE NAMES (MASTER NAMES FILE)	A geocoded record of feature names appearing on all AUSLIG 1:100 000 and 1:250 000 scale topographic maps. Geocoding is of the map feature text only and not the centroid of the named feature, e.g. a city name may appear on several map sheets and hence appear several times in the dataset. As a result, coordinate values may indicate the position of the feature up to 2 kilometres from its true position.	Australia—data are incomplete in areas where 1:100 000 and 1:250 000 scale maps are not published by AUSLIG
M3 TOPOGRAPHIC BASE 1:100 000 SCALE	Comprises data captured as part of the 1:100 000 and 1:250 000 scale topographic map revision program. Data are available in the following themes: • culture—roads, railways, towns, mines, state borders, buildings, (without names); • drainage—coastline, reefs, streams, lakes, tanks, bores, (without names); • relief—contours, spot heights, (with elevation identified); and • vegetation—scattered, medium and dense.	Refer to *AUSLIG Data Digital Topographic Data* index
M4 TOPOGRAPHIC BASE 1:250 000 SCALE	Comprises data captured as part of the 1:250 000 scale topographic map revision program. Data are available in the following themes: • culture—roads, railways, towns, mines, state borders, buildings, (without names); • drainage—coastline, reefs, streams, lakes, tanks, bores, (without names); • relief—contours, spot heights, (with elevation identified); and • vegetation—scattered, medium and dense.	Refer to *AUSLIG Data Digital Topographic Data* index

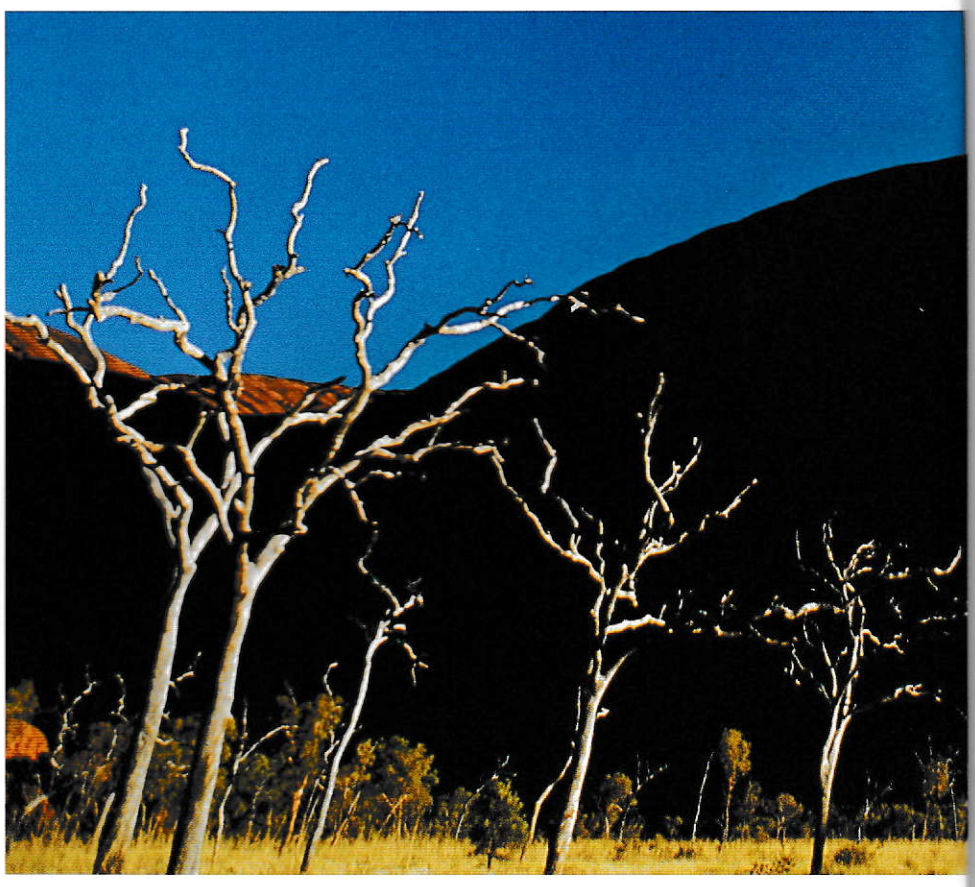
Currency	Coordinates	Format*
1991	Geographical	Formatted ASCII
Varies according to the publication date of maps from which data are derived, and extends from the late 1960s to 1990	Geographical	Formatted ASCII
Varies according to the map revision program, and is generally reflected by the reliability date of the printed map	AMG	AS 2482 and GINA
Varies according to the map revision program, and is reflected by the reliability date of the printed map	AMG	AS 2482 and GINA



*For more information, see the Data Transfer Media and Formats on page 25.

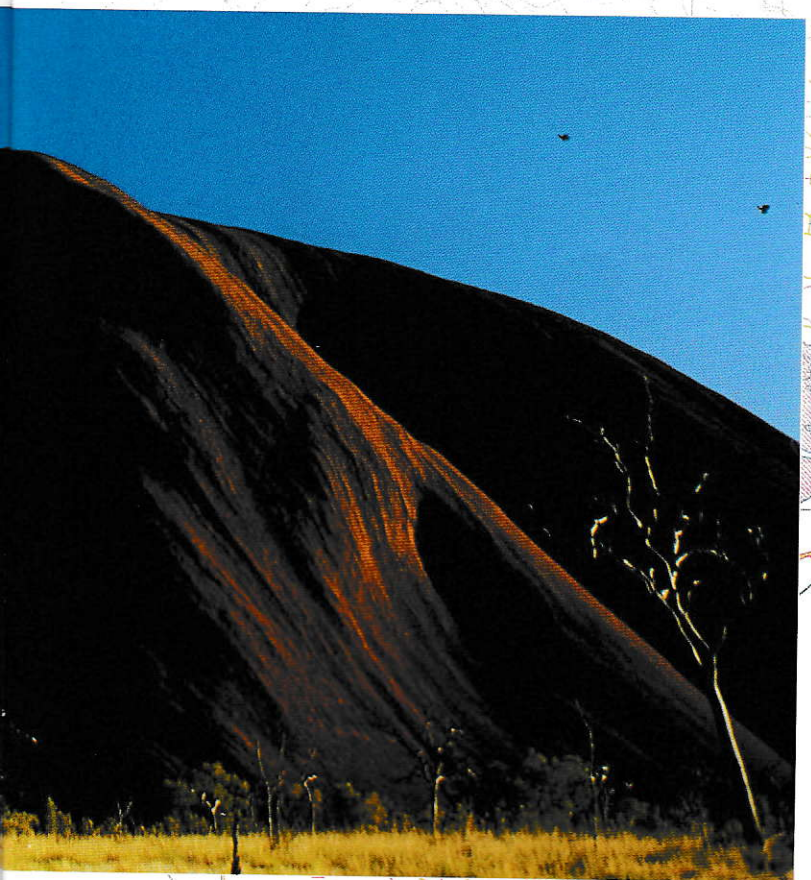
TOPOGRAPHIC DATA (continued)

	Content	Coverage
M5 TOPOGRAPHIC BASE 1:1 MILLION SCALE	Data are derived from *1:1 Million Scale World Aeronautical Charts* and are available in the following themes: • culture—roads, railways, towns, mines, state borders, buildings, (without names); • drainage—coastline, reefs, streams, lakes, tanks, bores, (without names); and • relief—contours, spot heights, (with elevation identified). Note: Positional accuracy varies across Australia and is best in eastern states.	Australia—data capture is complete
M6 TOPOGRAPHIC BASE 1:2.5 MILLION SCALE	Data are derived from the *1:2.5 Million Scale Geographic Map of Australia* and are available in the following themes: • culture—roads, railways, state borders, (without names); and • drainage—coastline, bathymetry, streams, lakes, (without names).	Australia



Currency	Coordinates	Format*
Early 1980s	Geographical	AS 2482
Mid-1980s	Geographical	AS 2482

*For more information, see the Data Transfer Media and Formats on page 25.

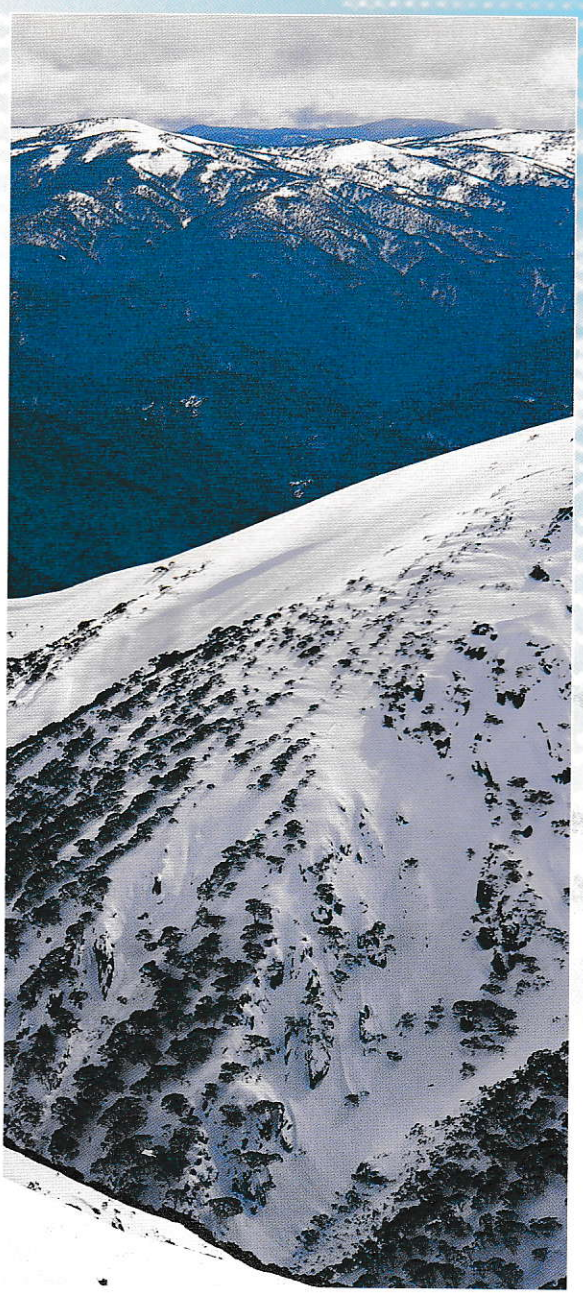


DIGITAL ELEVATION MODEL (DEM) DATA

	Content	Coverage
M7 CRITICAL AERONAUTICAL HEIGHTS	Data were collected by selecting the highest point(s) in each geographical area of 30 minutes of latitude by 30 minutes of longitude. Elevations are recorded in feet. Information is derived from *1:1 Million Scale World Aeronautical Charts*. Data are routinely updated as new information becomes available. Note: This is not regularly gridded data.	Australia—data capture is complete
M8 SPOT HEIGHTS	Data were collected by digitising all spot heights on 1:100 000 scale maps and selected points from 20-metre contours. Elevations are recorded in metres. Validation checking of this database is on program for completion by mid-1994. Note: This is not regularly gridded data.	Australia—data capture is complete
M9 EIGHTEEN SECOND GRID	Data are regularly gridded at 18 seconds of latitude and longitude (approximately 500 metres). Information is derived from the Spot Heights dataset. Note: Should you require gridded DEM data at a different resolution, please contact AUSLIG Data Sales.	Australia—gridding is complete for: parts of north Queensland, most of New South Wales, Victoria, south-east South Australia, south-west Western Australia, all State capital cities and selected other Australian cities. Additional gridding may be available on request.

Currency	Coordinates	Format*
Mid-1980s	Geographical	Formatted ASCII
Varies according to the map revision program and is reflected by the reliability date of the printed map	AMG	AS 2482
Varies according to the map revision program and is reflected by the reliability date of the printed map	Geographical	AUSLIG DEM (simple XYZ) format

*For more information, see the Data Transfer Media and Formats on page 25.



	Content	Coverage
M10 NATIONAL PUBLIC AND ABORIGINAL LANDS	Contains boundary and attribute information for parcels of public, Aboriginal and Torres Strait Islander land in Australia which are larger than 40 hectares. Selected smaller areas are shown by point locations (includes nature reserves, forests and aboriginal land). Data are suitable for GIS applications. Categories include: nature conservation reserves, forestry reserves, aboriginal land, water reserves, defence reserves and mining reserves. The amount of attribute information recorded varies with the type of reserve. Generally it includes: state and reserve name, reserve type, administering authority, size (in hectares), identification number and date of original proclamation and latest update. Note: Data have not been verified by State authorities. Data have been collected for national 1:250 000 scale mapping purposes and may not meet the needs of all users. A filtered version (to 1:5 million scale) showing all public, Aboriginal and Torres Strait Islander lands larger than 5000 hectares is also available. This filtered version also includes pastoral leasehold lands and private (mainly freehold) lands larger than 500 hectares.	Australia
M11 CENSUS COLLECTION DISTRICTS: 1986 CENSUS OF POPULATION AND HOUSING	Boundary data for 1986 Census Collection Districts. Data are captured from 1:10 000 scale maps in most urban areas and various map scales, from 1:25 000 to 1:2 million, in rural areas. Data are suitable for GIS applications. Data are available in the following feature files: Spatial Unit Definition (centroids), Segments (boundaries) and Polygons. Derived from these are Australian Standard Geographical Classification (ASGC) spatial units, such as: Statistical Divisions (SDs), Statistical Local Areas (SLAs) and Legal Local Government Areas (LGAs). Other datasets available as non-ASGC units include: Derived Commonwealth Electoral Divisions, Derived State Electoral Divisions and Derived Postcode Areas. Data available for 1981 Census.	Australia. Data capture is complete.

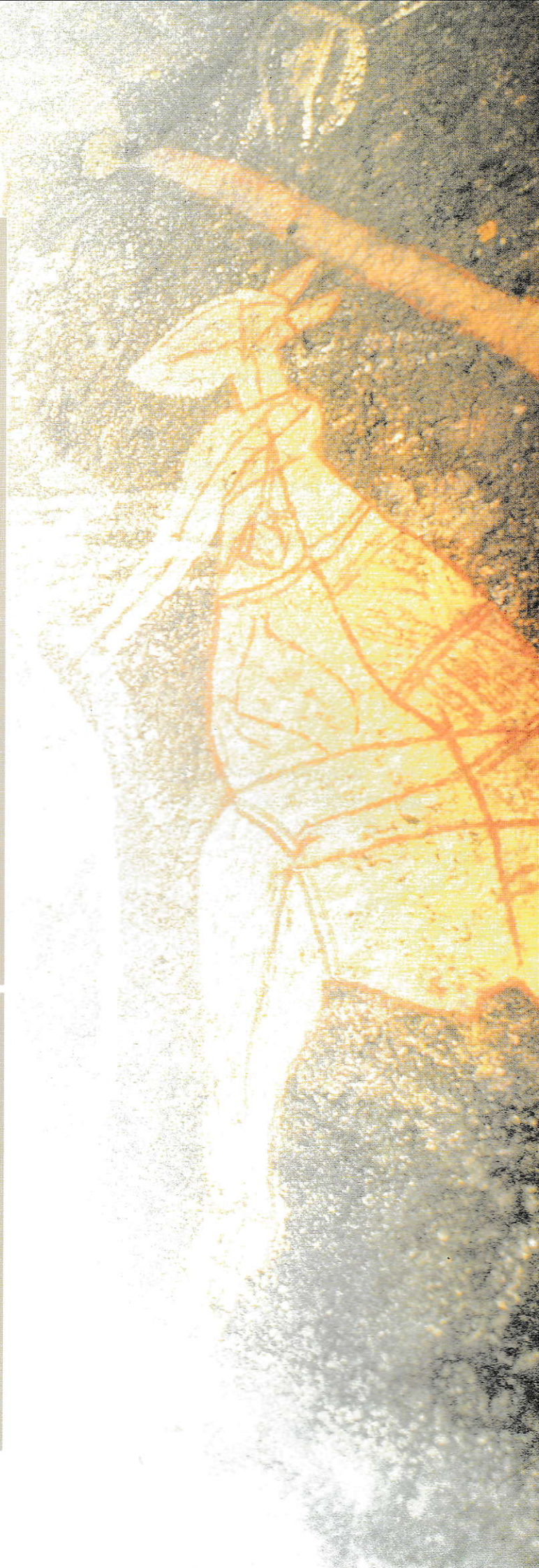
Currency	Coordinates	Format*
See table below	Geographical	ARC/INFO

Currency to M10

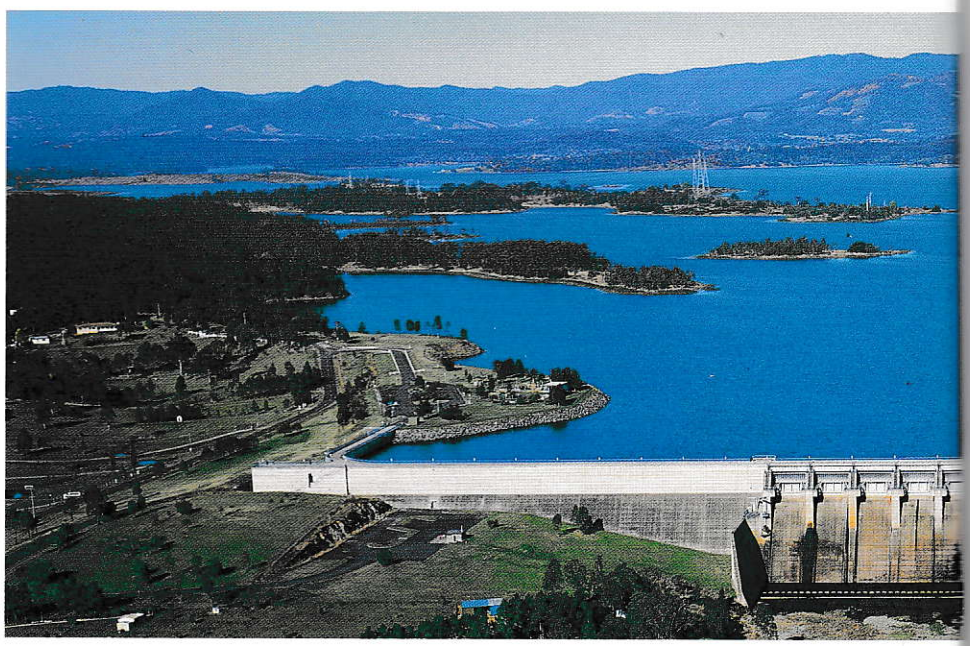
Category	TAS	VIC	NSW	QLD	NT	WA	SA
Nature Conservation Reserves	4/91	4/91	1/92	9/90	9/91	6/90	12/90
Forestry Reserves	4/91	4/91	1/92	3/91	N/A	6/90	12/90
Aboriginal Land	4/91	4/91	1/90	9/90	9/91	6/90	12/90
Water Reserves	4/91	4/91	6/85	9/87	3/91	6/88	6/86
Defence Reserves	4/91	4/91	6/85	9/87	3/91	6/88	6/86
Mining Reserves	4/91	4/91	6/85	9/87	3/91	6/88	6/86

Current for the 1986 Census	Geographical	AUSLIG Census format

*For more information, see the Data Transfer Media and Formats on page 25.

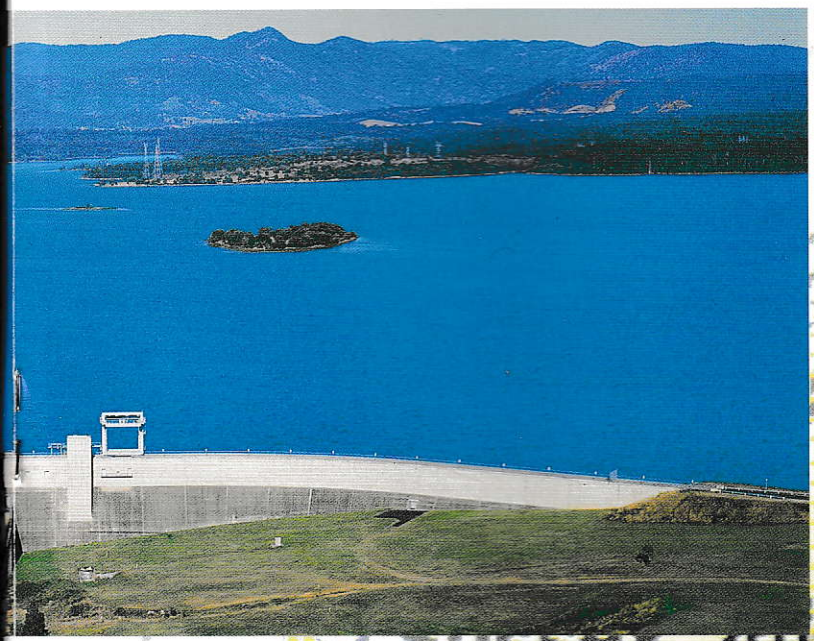


	Content	Coverage
M12 ABORIGINAL AND TORRES STRAIT ISLANDER COMMISSION (ATSIC) BOUNDARIES	Shows the Zones and Regional Council Area boundaries and names as defined by the Aboriginal and Torres Strait Islander Commission (ATSIC) in 1991 and 1993. Data are captured from 1:1 million scale source material.	Australia
M13 AUSTRALIAN WATER RESOURCES COMMISSION: DRAINAGE BASINS	Shows the boundaries of the Australian basins as defined by the Australian Water Resources Commission. Information includes the name and number of each drainage basin, region and division. Data for drainage divisions I, II and IV (the eastern quarter of the mainland) are captured from 1:250 000 scale source material while the balance are from 1:5 million scale source material. Data are suitable for GIS applications.	Data have been captured for: part of Queensland, News South Wales, Victoria and part of South Australia.
M14 AUSTRALIAN WATER RESOURCES COMMISSION: DRAINAGE DIVISIONS	Shows the boundaries of the Australian divisions as defined by the Australian Water Resources Commission. Information includes the name and number of each drainage division. Data are captured from 1:5 million scale source material. Data are suitable for GIS applications.	Australia



Currency	Coordinates	Format*
1991 and 1993	Geographical	GINA and ARC/INFO
Data definition was completed in mid-1990. Information is subject to confirmation by the Australian Water Resources Commission.	Geographical	GINA and ARC/INFO
Data definition was completed in mid-1990. Information is subject to confirmation by the Australian Water Resources Commission.	Geographical	GINA and ARC/INFO

*For more information, see the Data Transfer Media and Formats on page 25.



	Content	Coverage
M15 DAMS AND STORAGES	Shows point location of large reservoirs in Australia owned by a public authority. Attribute information includes: name of dam wall and associated water body, name of the stream on which it is located, storage capacity and surface area of the water body, ownership, and construction details of the dam wall. Data are captured from 1:1 million source material. Data are suitable for GIS applications. Data are periodically updated as new information becomes available.	Australia
M16 MINERALS	Shows the point location of mineral deposits, mines and treatment plants. Attribute information includes: mine name, state, mine size, minerals and status. Data are captured from 1:1 million source material. Data are suitable for GIS applications. Data are periodically updated as new information becomes available.	Australia
M17 VEGETATION: PRE-EUROPEAN SETTLEMENT (1788)	Shows a reconstruction of Australian vegetation in the 1780s. Areas over 30 000 hectares are shown, plus small areas of significant vegetation such as rainforest. Attribute information includes: growth form of tallest and lower stratum, foliage cover of tallest stratum and dominant floristic types. Data are captured from 1:5 million source material. Data are suitable for GIS applications.	Australia
M18 VEGETATION: PRESENT (1988)	Shows the vegetation of Australia in the mid-1980s. Areas over 30 000 hectares are shown, plus small areas of significant vegetation such as rainforests and croplands. Attribute information includes: growth form of tallest and lower stratum, foliage cover of tallest stratum and dominant floristic types. Data are captured from 1:5 million source material. Data are suitable for GIS applications.	Australia

Currency	Coordinates	Format*
August 1990	Geographical	GINA and ARC/INFO
December 1990	Geographical	GINA and ARC/INFO
Reconstruction of vegetation as it was in the 1780s	Geographical	GINA and ARC/INFO
Mid-1980s	Geographical	GINA and ARC/INFO

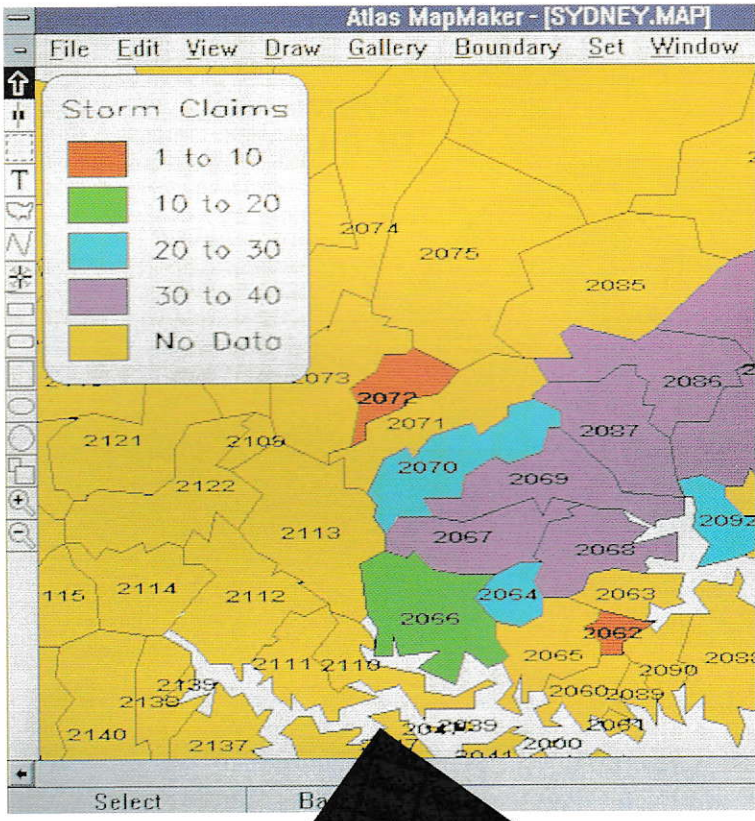
*For more information, see the Data Transfer Media and Formats on page 25.

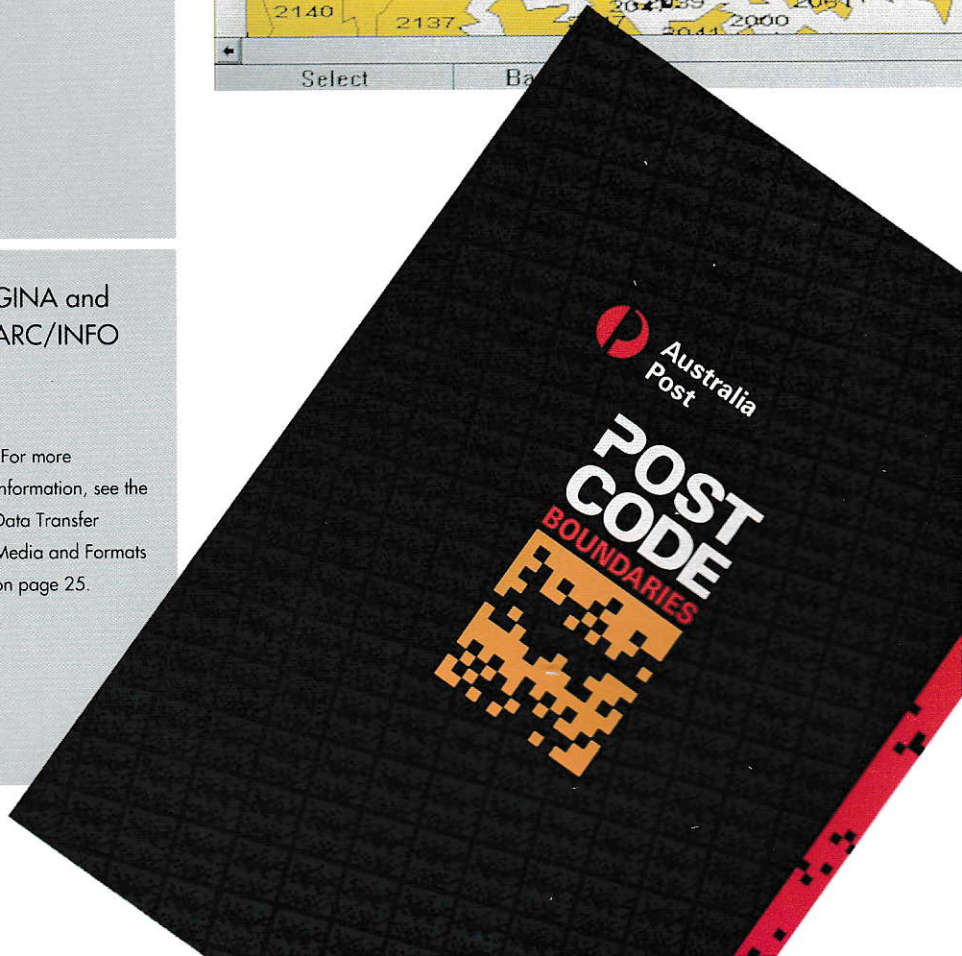
OTHER DATA PRODUCTS

	Content	Coverage
01 AUSTRALIA POST POSTCODE BOUNDARIES	Postcode boundaries, numbers, centroids plus postal facility locations and sorting division boundaries. Data are captured from 1:10 000 scale maps in most major urban areas, and from 1:25 000 to 1:1 million map scales in rural areas. Three levels of boundary data detail are available as follows: • 'optimal' boundary files—highly detailed and as close as is practical to the 'as digitised' lines; • 'universal' boundary files—data are filtered to a nominal limit of 3800 segments per polygon; and • 'minimal' boundary files—data are highly generalised and may not follow features on standard mapping. Attributes will include postcode numbers. Produced in conjunction with Australia Post. Data are suitable for GIS applications. Annual updates will be available.	Australian continent (excludes Island territories)
02 COMMONWEALTH ELECTORAL BOUNDARIES	Shows the boundaries of all Commonwealth Electoral Divisions. Data are captured from 1:10 000 and 1:50 000 scale maps in urban areas and 1:100 000 and 1:250 000 scale maps in rural areas. Attribute information includes date of electoral redistribution. Produced in conjunction with the Australian Electoral Commission. Data are suitable for GIS applications. Data will be updated after each redistribution.	Australia Note: The NSW Land Information Centre holds copyright over the NSW data.
03 NATIONAL ESTATE AREA BOUNDARIES	Shows the boundaries of all areas registered as part of the National Estate. Data are captured from 1:100 000 and 1:250 000 scale source material. Attribute information consists of the identifying number of the Australian Heritage Commission's file for the area. Produced in conjunction with the Australian Heritage Commission. Data are suitable for GIS applications. Data will be updated annually in accordance with Commonwealth Gazettal notifications.	Australia

Currency	Coordinates	Format*
Contains postcodes current at 1 January 1992	Geographical	ARC/INFO, MapInfo and ATLAS
1992	Geographical	GINA and ARC/INFO
May 1992	Geographical	GINA and ARC/INFO

*For more information, see the Data Transfer Media and Formats on page 25.



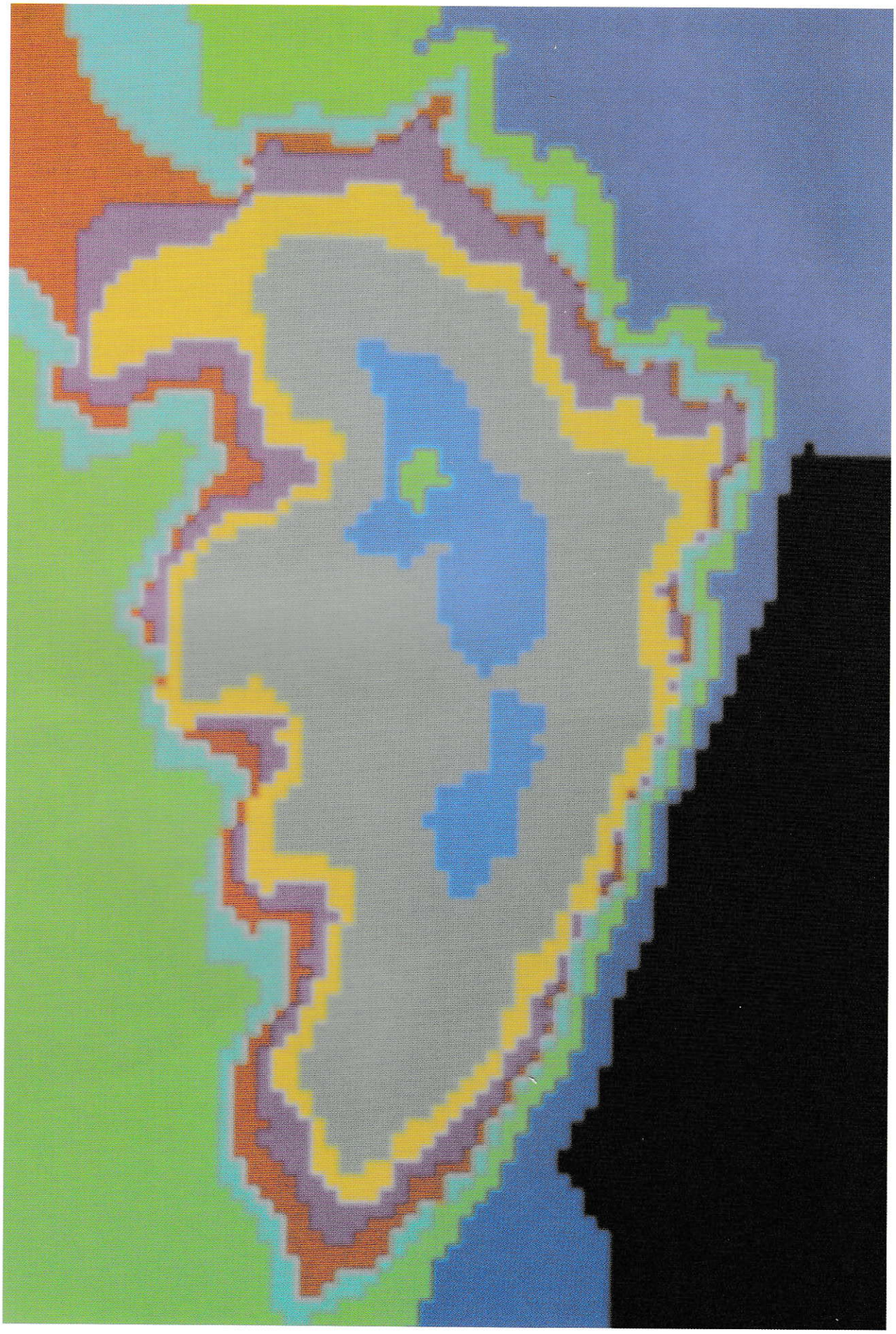


OTHER DATA PRODUCTS (continued)

	Content	Coverage
04 GREAT BARRIER REEF MARINE PARK TOPOGRAPHIC BASE	Comprises data captured from the 1:250 000 Scale Great Barrier Reef Marine Park Topographic Map Series. Data include coastal, drainage, cultural and administrative boundary features. Data are suitable for GIS applications.	Great Barrier Reef Marine Park
05 DIGITAL CHART OF THE WORLD	Data are derived from the *1:1 Million Scale Operational Navigational Charts* (ONC). Data categories include: aeronautical, transport structure, vegetation, populated places, utilities, drainage, roads, railways, political boundaries, land cover and relief. Available on four CD-ROMs with application software to run on IBM compatibles.	World. Note: The New Zealand Government holds copyright over New Zealand data.

Currency	**Coordinates**	**Format***
1991	AMG	GINA and ARC/INFO
Currency varies according to the ONCs from the 1970s to the 1990s	Geographical	Vector Product Format (VPF)

*For more information, see the Data Transfer Media and Formats on page 25.



AUSLIG Data products are available through AUSLIG's national network of data distributors, comprising private sector vendors, as well as direct from AUSLIG. A list of the distributors is included in the back of this catalogue.

The Commonwealth holds the copyright on all AUSLIG Data products. Consequently, rather than selling the actual data, AUSLIG sells a licence to use the data. For further information refer to the 'Copyright and Ownership of Data' and 'Conditions of Use of Data' sections in this catalogue.

Current AUSLIG Data prices are detailed in the price list contained in the back of this catalogue.

AUSLIG supports a range of media and formats. Refer to the 'Data Transfer Media and Formats' section of this catalogue.

Contact AUSLIG, if you require data not listed in this catalogue, or if you wish to digitise any of AUSLIG's printed AUSMAP products. Inquiries should be directed to:

Director
AUSLIG Data Sales
PO Box 2
Belconnen ACT 2616
Tel. 06 201 4340
Fax 06 201 4381

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- a Standard Licence entitles you to use the data for non-commercial purposes within your organisation only; and
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In order to use the data for commercial purposes, you need a special licence from AUSLIG. AUSLIG Data Sales staff can advise you on the details.

The price list, contained in the back of this catalogue, applies to the supply of data in their off-the-shelf formats, under a Standard Licence for data. The fee for an Extended Licence is negotiable. There may be additional charges for processing to other data formats.

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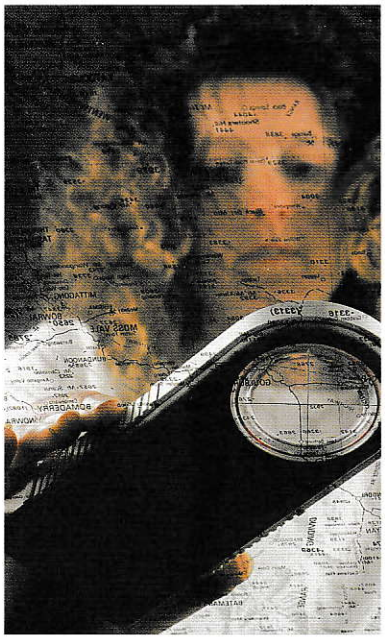
Other Data Products

Contact AUSLIG Data Sales or an AUSLIG Data distributor for details of licensing of other AUSLIG Data products.



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DATA TRANSFER MEDIA AND FORMATS

Transfer Media

AUSLIG Data products can be supplied on a wide range of media, including:

Magnetic Tape:

150 Mbyte 1/4" cartridge (QIC) tape, 2.3 or 5.0 Gbyte EXABYTE tape and 1600 or 6250 bpi 1/2" 9 track tape.

Floppy Disk:

3 1/2" 1.44 Mbyte or 5 1/4" 1.2 Mbyte disk.
Note: All floppy disks are MS-DOS format. Data are transferred by using an interactive, file compressing install program supplied on the disk.

CD-ROM:

Currently, only the Digital Chart of the World is available on CD-ROM. Distribution of other AUSLIG Data products on CD-ROM will be supported in the future, given sufficient demand.

Other media may be able to be supported. Please contact AUSLIG Data Sales or your distributor to discuss your requirements.

Transfer Formats

The data transfer formats listed for each product in the tables on pages 4 to 21 of this document are those in which the products are stored, and can be purchased off-the-shelf. AUSLIG Data products can be translated to other formats at additional cost. Contact AUSLIG or your distributor to discuss the formats you require.

Formats such as SPANS, PCX (raster), Intergraph, GENAMAP, TIFF (raster) and SCITEX (raster) are being considered and may be implemented given sufficient user demand.

The proposed new national standard, the Spatial Data Transfer Standard (SDTS), will be supported as soon as it is released.

Non-proprietary data formats have associated documentation describing the data structure and format.

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- a replacement; or
- a full refund.

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2. When a refund is required, you must return the complete product (i.e. all data, software, media, documentation and packaging) to AUSLIG. No copy of the product or anything derived from the product may be retained by you. (Other conditions pertaining to termination, which are specified in the Licence Agreement, also apply.)
3. When a replacement is required, you need only return the defective part of the product, e.g. a defective diskette.
4. You do not pay any costs in resupplying a defective product.

Return any defective product to the place of purchase.

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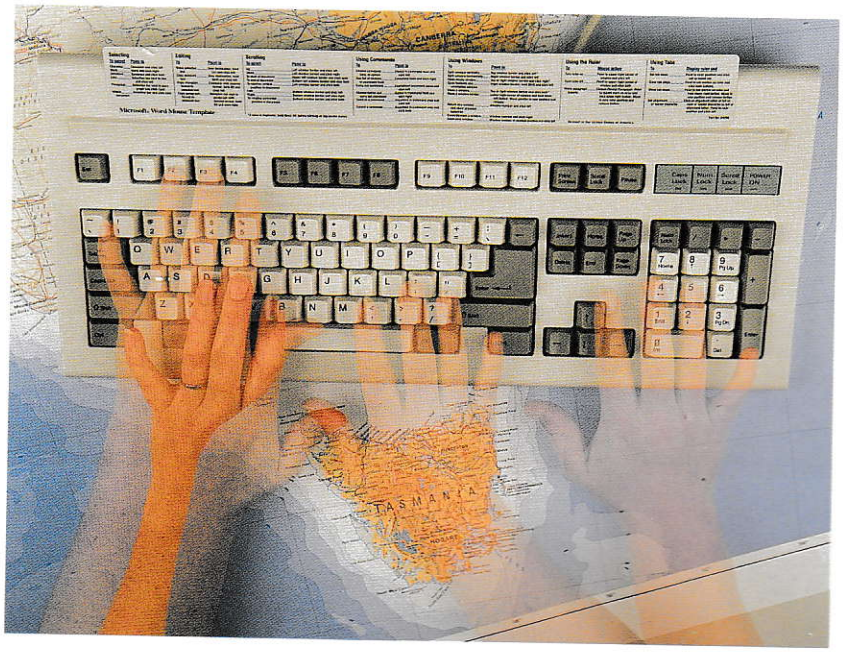


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CREDITS Artwork

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Australian Tourist Commission, *pp. 8–9* and *13*; Tim Acker, *pp. 11* (landscape) and *20–21*; Imagemakers, *front cover, inside front and back covers*, and *pp. 3, 5, 11* (background), *14–15* (background), *19* (top), *21* (far right), *22* and *28*; Arthur Mostead, *pp. 24* and *27*; Queensland Premier's Department, *pp. 14–15*; Peter Rogers, *p. 7*; Alan Swift, *p. 17*; Ben Wrigley, *p. 19* (bottom).

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