



**Australian
Bureau of
Statistics**

statistics for informed

decision making

**Output of 2005-06
Agricultural Census Data
by
Different Regions**

Acknowledgement

The regional outputs on new geographies were achieved through funding contributions from:

- National Water Commission - Raising National Water Standards,
- Department of Agriculture, Fisheries and Forestry, and
- Department of Environment, Water, Heritage and the Arts.



Australian Government

National Water Commission



Australian Government

Department of Agriculture, Fisheries and Forestry



Australian Government

Department of the Environment, Water, Heritage and the Arts

Purpose of this presentation

- Provide a brief background to the ABS Agricultural Census.
- Provide some examples of 2005-06 Agricultural Census data outputs using various geographic boundaries.

Background

The Agricultural Census:

- is undertaken once every five years,
- was most recently run for financial year 2005-06,
- is the 2nd largest ABS collection – involving about 150,000 farms,
- has in the past had estimates released at the National, State, Statistical Division, Statistical Sub-Division, Statistical Local Area and Local Government Area only, and
- the additional funding as part of this project has enabled data to be released for a variety of different geographies for 2005-06

Background (cont)

One of the main objectives of the Agricultural Census is to:

- Provide production and value data at the regional level (traditionally at Statistical Local Area (SLA)) for use by a range of Federal, State and Local Government organisations and industry bodies to support decision making.

The ability to output data by a variety of geographic boundaries will greatly assist the usefulness of the information collected.

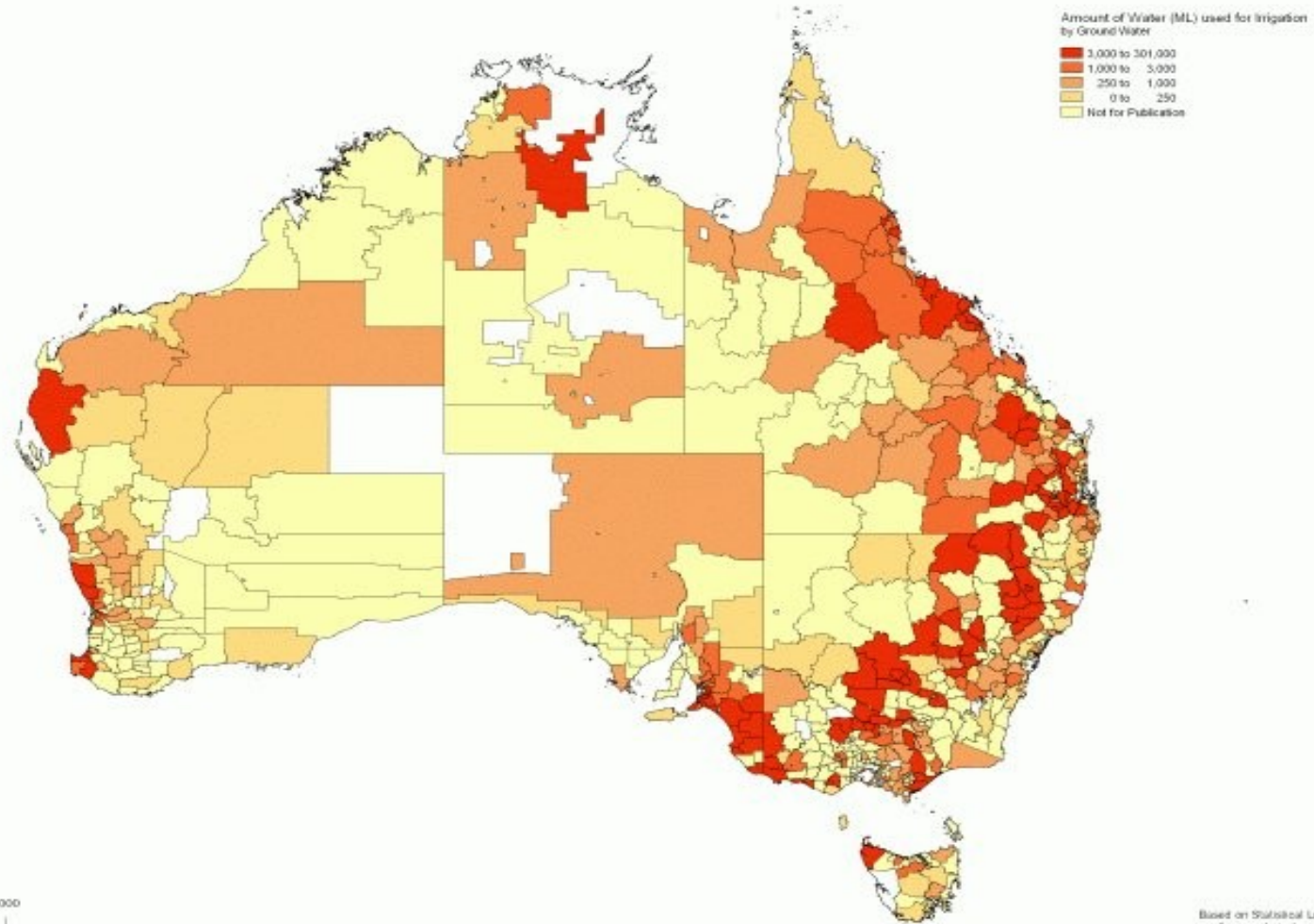
Example of Agricultural Census data output by traditional small area

The following slide depicts data mapped to SLA.

Statistical Local Area - amount of ground water used for agricultural production (ML)



Amount of Water (ML) used for irrigation
using Ground Water



0 1000
Kilometres

Based on Statistical Local Area 2007
Source: Agricultural Census 2006
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New regional outputs from 2005-06 Agricultural Census

New regional outputs for major commodities include:

- Murray-Darling Basin and Murray-Darling Basin by State,
- River Basins,
- Drainage Divisions,
- Water Catchments, and
- Natural Resource Management Areas.

New regional outputs from 2005-06 Agricultural Census (cont)

Additional water data for new regions is available for:

- Local Government Areas,
- Capital City Water Supplies,
- Ground Water Provinces,
- Surface Water Management Areas, and
- Interim-Biogeographic Regions Australia (IBRA).

New regional outputs from 2005-06 Agricultural Census (cont)

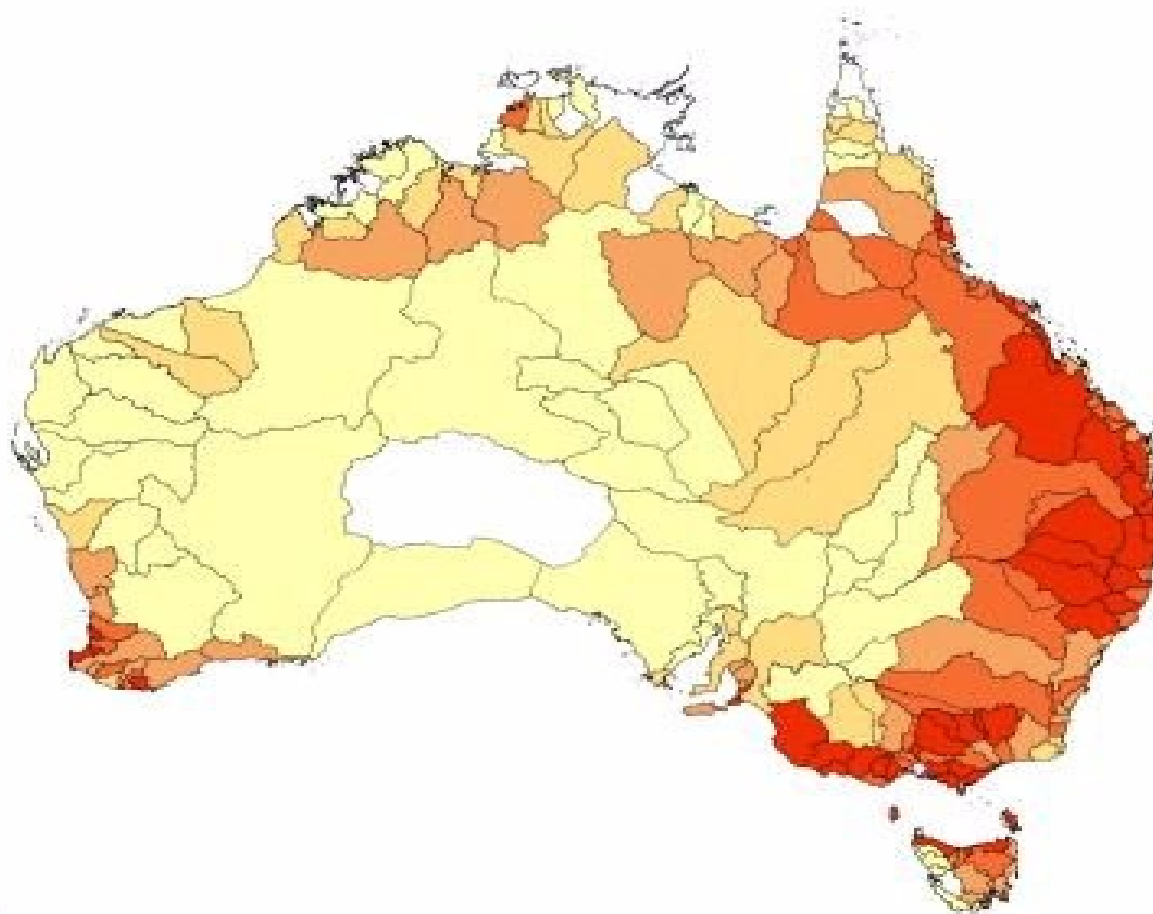
The following slides provide some examples of data presentation at these various geographies:

River Basin - number of meat cattle per sq km



Number of Meat Cattle per sq km of Riverbasin

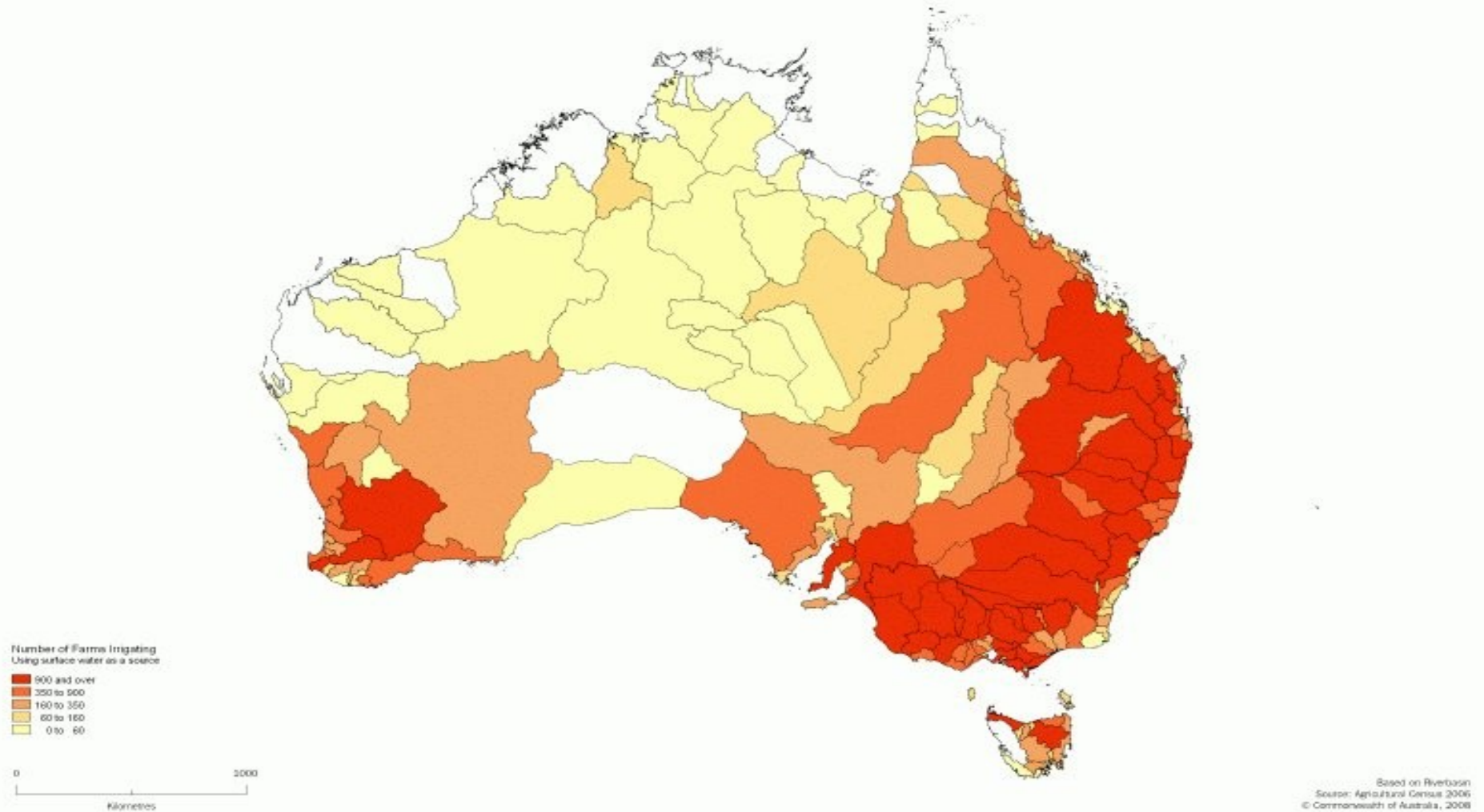
Australia



River Basin - number of farms using surface water for agricultural production

No Window

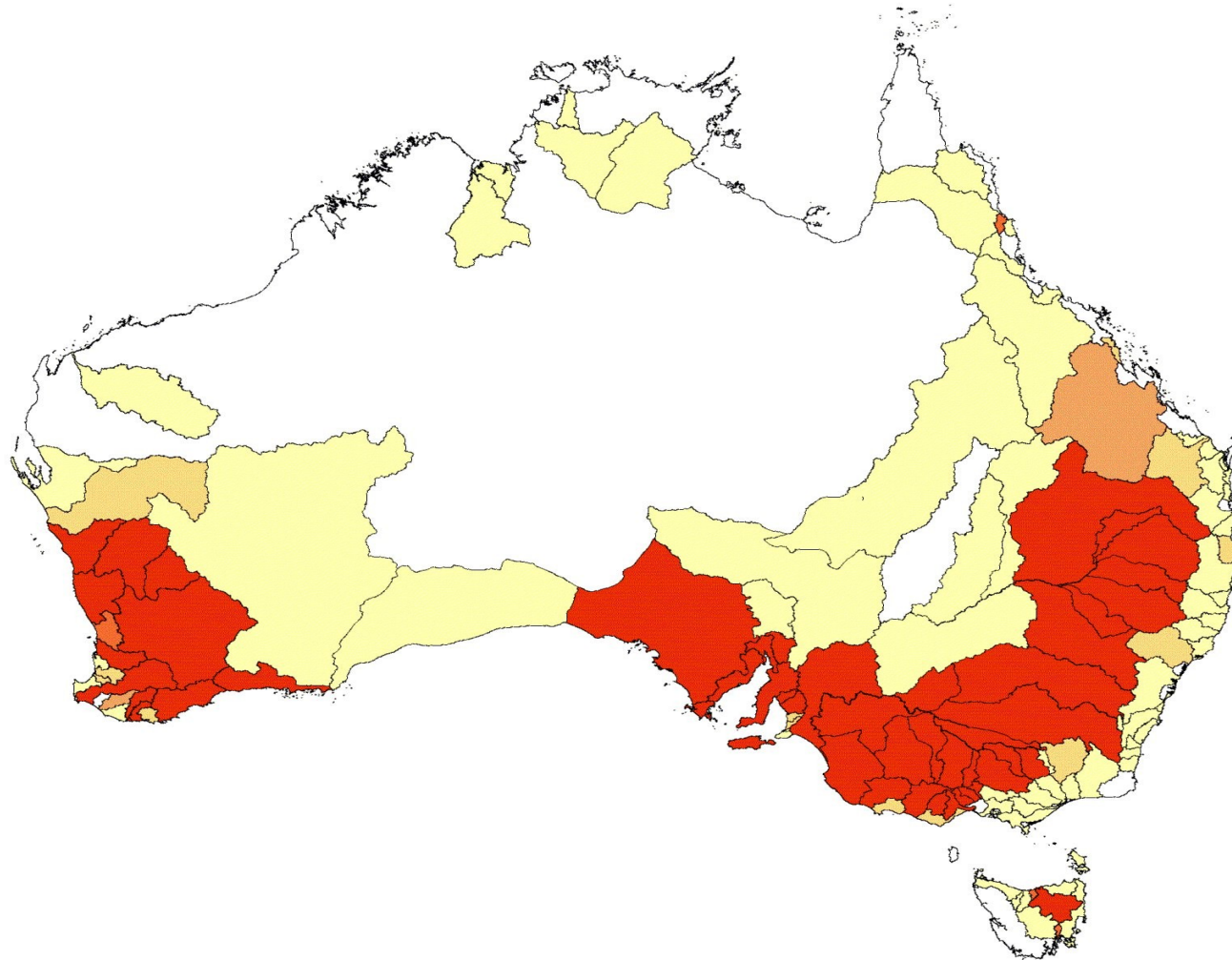
Number of Farms Irrigating
using surface water



River Basin - production of grain per square km

Production of Grain per square km of Riverbasin

Australia



Production of Grain per square km of

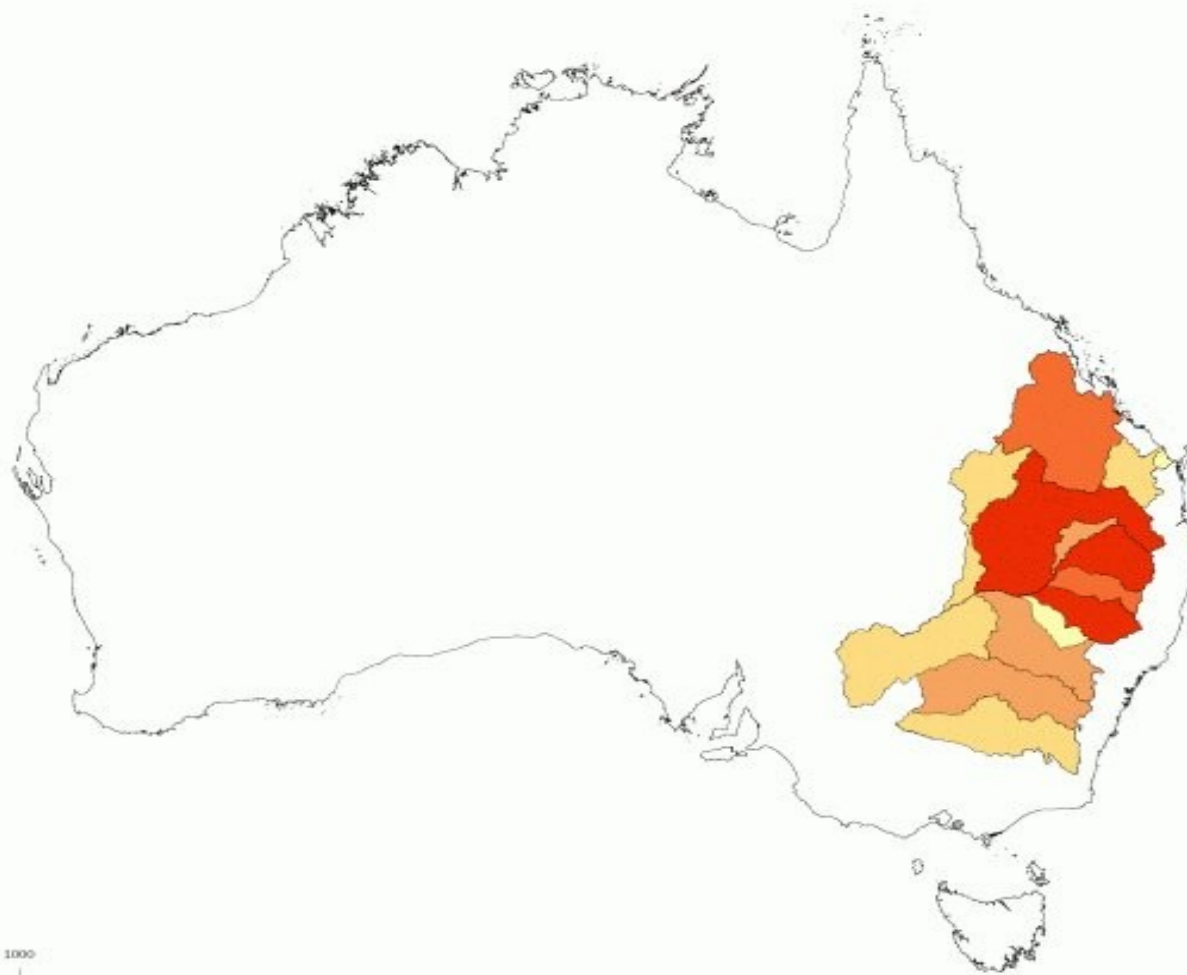
4 to 137	(49)
3 to 4	(4)
2 to 3	(2)
1 to 2	(13)
0 to 1	(64)

River Basin - area of irrigated cotton (ha)



Cotton - irrigated - area (ha)

By Riverbasin



Cotton - irrigated - area (ha)
by Riverbasin



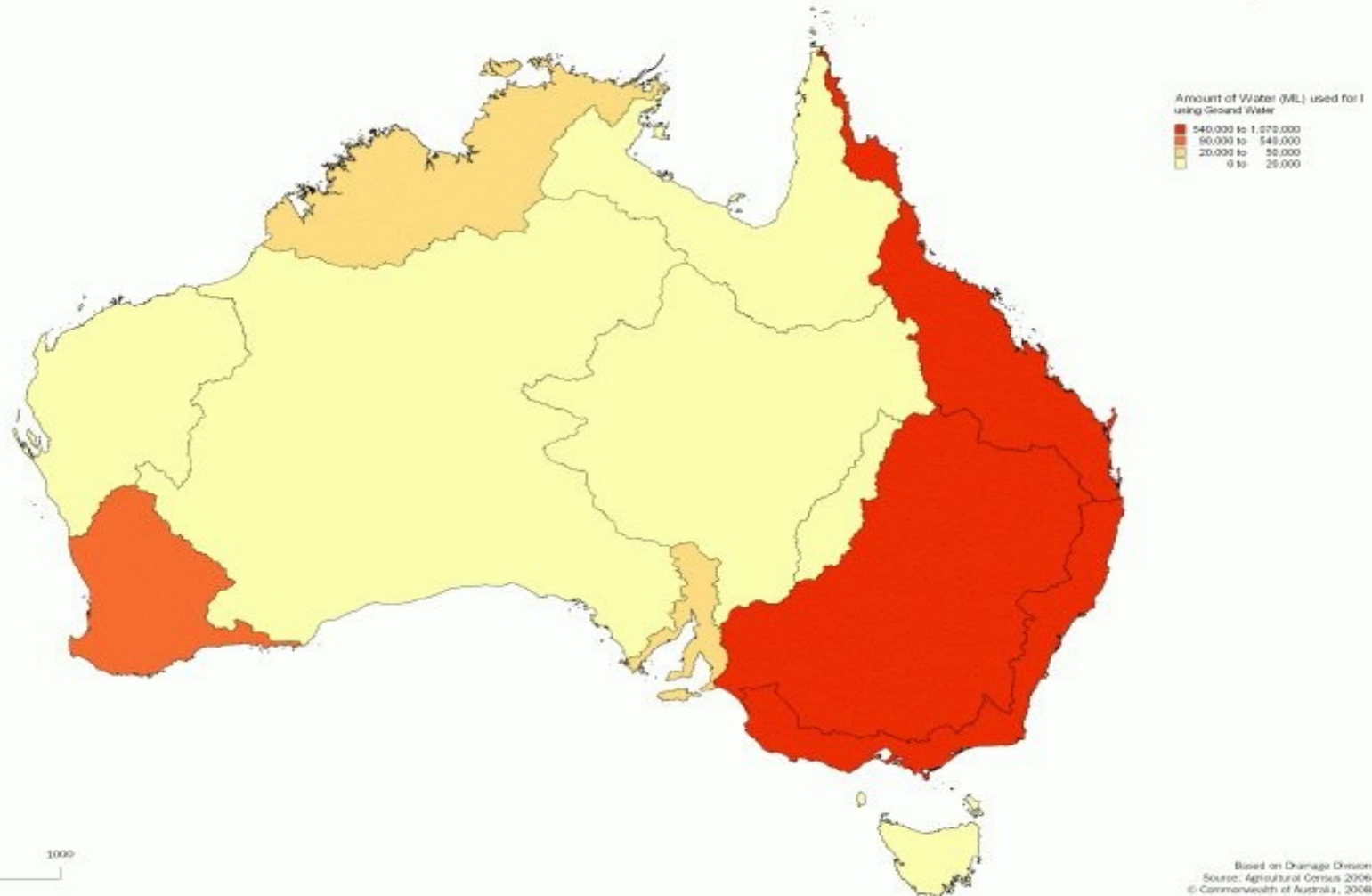
0 1000
Kilometres

Based on Riverbasin
Source: Agricultural Census 2006
© Commonwealth of Australia, 2006

Drainage Division - amount of ground water used for agricultural production (ML)



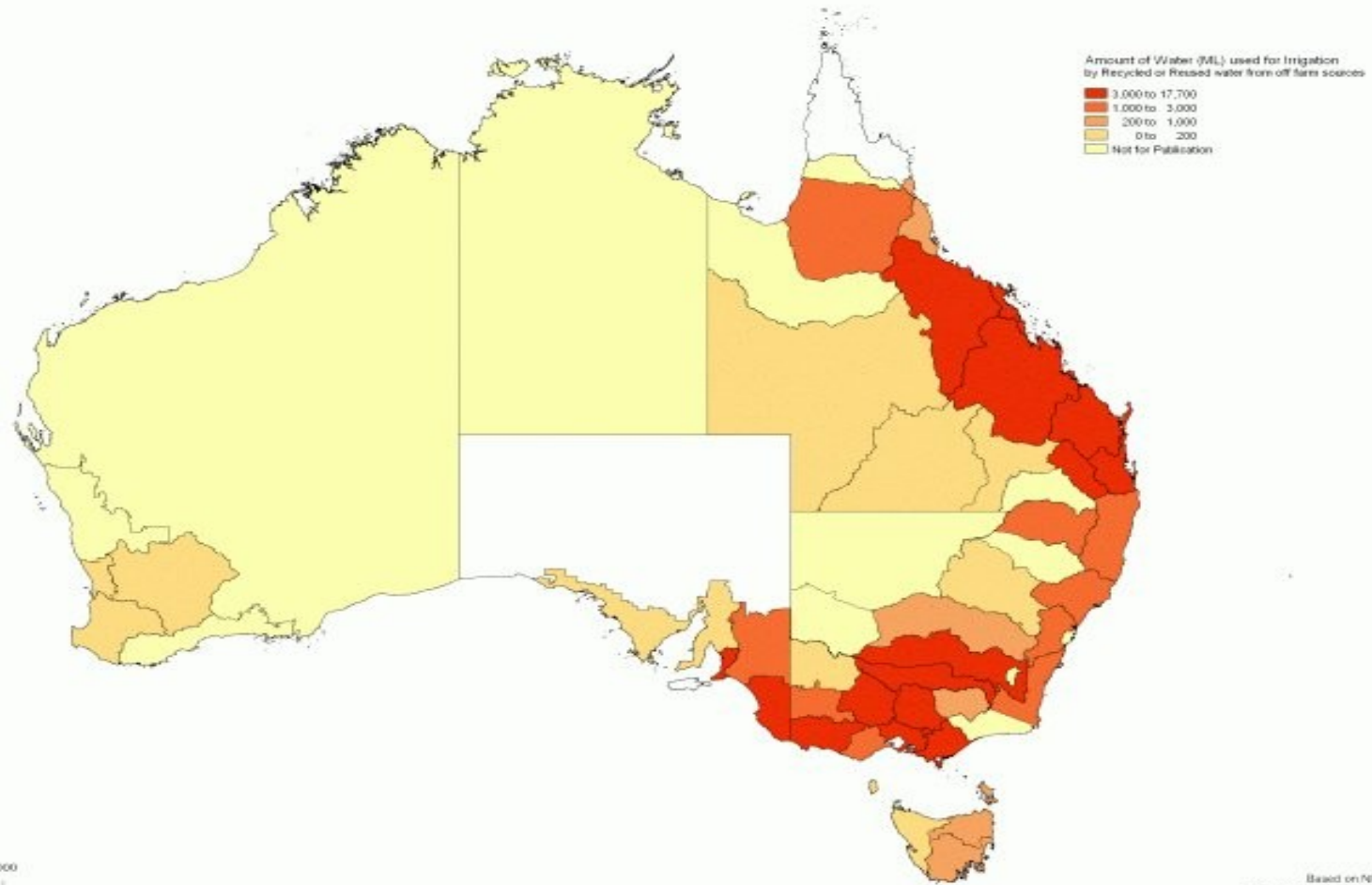
Amount of Water used for irrigation
using Ground Water



Natural Resource Management - recycled or reused water from off-farm sources used for agricultural production (ML)



Amount of Water (ML) used for irrigation
using Recycled or Reused water from off farm sources



0 1000
Kilometres

Based on NRM Region
Source: Agricultural Census 2006
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Traditional and new regional commodity data

Traditional and new regional commodity data is linked from the [Agricultural Releases](#) page on the ABS website.

- Agricultural production information is available in the publication [Agricultural Commodities, Small area data, Australia, 2005-06](#) (cat. no. 7215.0)
- Water use information is available in publication [Water Use on Australian Farms, 2005-06](#) (cat. no. 4618.0)

Availability of additional regional outputs to meet your needs

If you are interested in:

- what additional 2005-06 Agricultural Census data may be available for current or new regions, and
- the potential costs for this information.

Contacts are:

Sean Geltner - 03 6222 5968, sean.geltner@abs.gov.au

Linda Falzari - 03 6222 5939, linda.falzari@abs.gov.au

Important issue

Information from the Agricultural Census has been geographically coded at the business' main agricultural location.

Increasingly, agricultural businesses are purchasing land some distance from their original property, because:

- there is no land available close by, or
- they are seeking land with different soil types/weather patterns etc.

The ABS has undertaken considerable work to allocate production to the appropriate region however in some cases the activity reported for the business could occur some distance away from the reported main agricultural location.