

GOULBURN-BROKEN METADATA STATEMENT

Category	Element	Comment
Dataset	Title	Land use of Mid-Goulburn-Broken Catchment
	Custodian	Department of Natural Resources and Environment (DNRE)
	Jurisdiction	Victoria
Description	Abstract	This land use map has been prepared under contract with Bureau of Rural Sciences (BRS) for Murray-Darling Basin Commission (MDBC). The classification scheme followed here was the Australia Land Use Mapping (ALUM) classification version 4 (BRS, 2001). ALUM version 4 was developed by BRS as a modification of Baxter – Russell Classification, in coordination with State agencies. This product is based on information from a number of sources: Corporate Geospatial Data Library (CGDL), DNRE regional data sets, satellite imagery from ACRES, the planning maps from Infrastructure Department, and the newly acquired field survey information. Product was independently validated. Overall accuracy is 89.27%.
	Search Word(s)	Land use, Goulburn-Broken Catchment, land management
	Geographic Extent Name(s)	High rainfall region (>600mm) of Goulburn-Broken Catchment.
	Geographic Extent Polygon(s)	Minimum latitude:36.236 S Maximum latitude:37.681 S Minimum longitude: 144.658 E Maximum longitude: 146.659 E
Data Currency	Beginning date	1970
	Ending date	2001
Dataset Status	Progress	Complete
	Maintenance and Update Frequency	Not known
Access	Stored Data Format	Arc/Info coverage
	Available Format Type	Arc/Info coverage.
Data Quality	Access Constraint	Access will be provided by DNRE, BRS or MDBC.
	Lineage	(1) CGDL layers (DNRE corporate geospatial data library) <i>Topographic and cadastral data layers</i> <ul style="list-style-type: none"> • Digital cadastre 1:25,000 - Vicmap Property • Transport – roads and rail 1:25,000 - Vicmap Road • Hydrologic features; line & point 1:25,000 - hydro25 <i>Agency estate mapping layers</i> <ul style="list-style-type: none"> • Forest plantations - public softwoods and private plantations 1:100,000 - plantn100 • Utilities - gas & oil & SEC pipelines; line & point 1:25,000 - Util25 <i>State-wide/Regional land data and mapping layers</i> <ul style="list-style-type: none"> • Land Management - current legal status of land 1:100,000 - Immt100 • Tree Cover - 1:25,000 - tree25 • Crown Land Agricultural Leasing layer - 1:25,000 - aglic • Mining Leases - min100 (2) CAPAD99 (3) Satellite imagery – Landsat 7 ETM sub-scenes dated 6 th December 1999 (93/85-86), 16 th February 2000 (92/85-86), and 9 th May 2001 (92/85). (4) Planning maps, Pdata, from Infrastructure Department, Victoria, (5) Part of existing land use map from DNRE, Benalla, and (6) Fieldwork carried out during winter 2001.
	Positional Accuracy	25 – 100 m
	Attribute Accuracy	Attributes were checked with the original input data. Field verification was done primarily checking agricultural classes with final validation producing an accuracy result of 89.27%.
	Logical Consistency	Selected data sets were first integrated into grid format and classified. The classified grid was vectorised and joined with the road, infrastructure, hydrology and other ancillary layers. Field survey data was finally incorporated.
	Completeness	Land Use has been mapped across the full extent of the study area down to a minimum secondary ALUM Version 4 level.
Contact Information	Contact Organisation	DNRE, Tatura.

	Contact Position	GIS Database Manager
	Mail Address 1	Ferguson Road
	Mail Address 2	Private Bag1
	Suburb or Place or Locality	Tatura
	State or Locality 2	Victoria
	Country	Australia
	Postcode	3616
	Telephone	5833 5222
	Facsimile	5833 5299
	Electronic Mail Address	
<i>Metadata Date</i>	Metadata Date	2 nd November 2001 (Update 23-11-01)
<i>Additional Metadata</i>	Additional Metadata	DNRE CGDL Catalogue, 14th Edition, April 2001.
<i>Additional Information</i>	Additional Information	<p>(i) CONSERVATION AND NATURAL ENVIRONMENTS</p> <p>1.1 Nature Conservation: The land use classes were derived from a combination of CAPAD, state digital cadastre and public land management layers with the 1:25000 state digital cadastre forming the final spatial boundary and CAPAD providing the attribution.</p> <p>1.2 Managed resource protection: Derived as above.</p> <p>1.3 Other minimal use: The land use classes were derived from the state digital cadastre and public land management layers with the remnant native cover classified through using dense tree cover as defined in DNRE 1:25000 tree cover layer when no other use applied.</p> <p>(ii) PRODUCTION FROM RELATIVELY NATURAL ENVIRONMENTS</p> <p>2.1 Livestock grazing: This land use class was derived from the state digital cadastre, agricultural licenses and medium density tree cover as defined in the DNRE 1:25000 tree cover layer. Some sites were also identified during field verification.</p> <p>2.2 Production Forestry: This land use class was derived from the state digital cadastre in combination with the public land management layer.</p> <p>(iii) PRODUCTION FROM DRYLAND AGRICULTURE AND PLANTATIONS</p> <p>3.1 Plantation forestry</p> <p>3.2 Farm forestry: Identified as part of field verification with input from regional staff.</p> <p>3.3 Grazing modified pastures: Identified as part of field verification with input from regional staff.</p> <p>3.4 Cropping: Identified as part of field verification with input from regional staff. Determination of crop boundaries was assisted with the purchase of Autumn 2001 Imagery which was subsequently used in the verification process.</p> <p>3.5 Perennial horticulture: Identified as part of field verification with input from regional staff.</p> <p>3.6 Seasonal horticulture: Identified as part of field verification with input from regional staff.</p>
<i>Additional Information</i>	Additional Information	<p>(iv) PRODUCTION FROM IRRIGATED AGRICULTURE AND PLANTATIONS</p> <p>4.2 Irrigated farm forestry: Identified as part of field verification with input from regional staff.</p> <p>4.3 Irrigated modified pastures: Identified as part of field verification with input from regional staff. January 2000 Landsat TM imagery was used to determine boundaries for irrigation.</p> <p>4.3.1 Irrigated woody fodder plants: Identified as part of field verification with input from regional staff. January 2000 Landsat TM imagery was used to determine boundaries for irrigation.</p> <p>4.4 Irrigated cropping: Identified as part of field verification with input from regional staff. January 2000 Landsat TM imagery was used to determine boundaries for irrigation.</p> <p>4.5 Irrigated perennial horticulture: Identified as part of field verification with input from regional staff.</p> <p>4.6 Irrigated seasonal horticulture: Identified as part of field verification with input from regional staff.</p> <p>(v) INTENSIVE USES</p> <p>5.1 Intensive horticulture: Identified as part of field verification with input from regional staff.</p>

5.2 Intensive animal production: Identified as part of field verification with input from regional staff.

5.3 Manufacturing and industrial: This land use class was derived from the state digital cadastre in combination with the Department of Infrastructure zoning layer.

5.4 Residential: This land use class was derived from the state digital cadastre in combination with the Department of Infrastructure zoning layer. The criteria used for both residential and rural residential was all cadastral block within the relevant zoning of size less than 20ha.

5.5 Services: This land use class was derived from the state digital cadastre.

5.7 Transport and communication: This land use class was derived from the state digital cadastre.

5.8 Mining: This land use class was derived from the state digital cadastre in combination with the mining leases layer.

Waste treatment and disposal: This land use class was derived from the state digital cadastre.

(vi) WATER Land use classes for water were derived from the state digital cadastre in combination with the 1:25000 and 1:100000 hydrology layers.

Key Reference

Bureau of Rural Sciences (BRS), 2001, *Land Use Mapping at Catchment Scale: Principles, Procedures and Definitions*, Edition 1, May 2001, BRS Document, Canberra.

**File Transfer
Details**

Files name(s) and size(s)	75 MB
Number of Records	101,873
File Format	Arc/Info
Field Name	Main item: lu_code, source
Definitions	Look-up Tables: lu_code_brs.lut, lu_code_isia.lut, Reliability definitions (source.lut): 1 = field mapping/local knowledge 2 = ancillary dataset 3 = air photo 4 = SPOT imagery 5 = Landsat ETM/TM 6 = other
Fields Names	Fields names in each file
Update	Full or partial
Date of Creation	30 th November 2001