

Metadata: Land Use of S. W. Victoria – Glenelg-Hopkins & Corangamite Region

Category	Element	Comment
Dataset	Title	Land use of South-West Victoria – Glenelg-Hopkins & Corangamite Region (Zone 54)
	Custodian	Department of Primary Industries (DPI)
	Jurisdiction	Victoria
Description	Abstract	<p>This land use map has been prepared under contract with Bureau of Rural Sciences (BRS) for AFFA. The classification scheme followed here was the Australia Land Use Mapping (ALUM) classification version 5 (BRS, 2001). ALUM version 5 was developed by BRS as a modification of Baxter – Russell Classification, in coordination with State agencies.</p> <p>This product is based on information from Corporate Geospatial Data Library (CGDL), CAPAD and the planning maps from Infrastructure Department.</p> <p>This product has been field verified after two significant additions to the base product: (1) Agricultural land use classes based on satellite imagery, tree cover and the newly acquired field survey information, and (2) Updates on the intensive uses using aerial photographs where appropriate and field survey information. Product was independently validated. Overall accuracy is 87.46%.</p>
	Search Word(s)	Land use, Victoria, land management, agriculture
	Geographic Extent Name(s)	Glenelg-Hopkins and Corangamite
	OR	
	Geographic Extent Polygon(s)	Minimum latitude:36.00 S Maximum latitude:38.88 S Minimum longitude: 140.96 E Maximum longitude: 144.00 E
Data Currency	Beginning date	1970
	Ending date	2002
Dataset Status	Progress	Complete
	Maintenance and Update Frequency	Not known
Access	Stored Data Format	Arc/Info coverage
	Available Format Type	Arc/Info coverage.
	Access Constraint	Access will be provided by DPI, BRS or AFFA.
Data Quality	Lineage	<p>Created from</p> <p>(1) CGDL layers (DNRE corporate geospatial data library) <i>Topographic and cadastral data layers</i></p> <ul style="list-style-type: none"> • Digital cadastre 1:25,000 - Vicmap Property • Transport – roads and rail 1:25,000 - Vicmap Road <p><i>Agency estate mapping layers</i></p> <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 <p><i>State-wide/Regional land data and mapping layers</i></p> <ul style="list-style-type: none"> • Land Management - current legal status of land 1:100,000 - Immt100 • Crown Land Agricultural Leasing layer - 1:25,000 - aglic • Mining Leases - min100 <p>(2) CAPAD99</p> <p>(3) Planning maps, Pdata, from Infrastructure Department, Victoria.</p>

(4) 2000-2001 Aerial Photography (1:15,000) from Infrastructure Department, Victoria and 2000-2002 Landsat Imagery (30m).

(5) Fieldwork carried out May - October 2002

Processing Steps: A "draft land use" layer was created from data layers (1), (2) and (3), which consisted mostly of the non-agricultural areas. This was overlaid on the digital cadastre which was overlaid on the aerial photography and satellite imagery (4). The areas not covered by the "draft land use" were classified based upon aerial photograph / satellite image interpretation and/or field verification (5). This was performed by classifying cadastre parcels with a land use code. When classification of the cadastre was complete, merging of the cadastre layer with the "draft land use" layer was performed to produce one single land use layer.

Positional Accuracy	25 – 100 m
Attribute Accuracy	The accuracy of the land use attributes has been determined through a validation procedure. Validation was carried out shortly after the completion of the land use data layer. 100 random sample sites were generated for every 1:100,000 map sheet in the 1:25,000 mapping areas and 50 points per 1:100,000 map sheets in the 1:100,000 mapping areas. The number of sample sites allocated to each land use was proportional to the area of each land use class in each validation area. Land uses at sample sites were recorded by independent observers. An error matrix was constructed for each validation area, comparing mapped land use to independently observed land use classes. The validation results produce an attribute accuracy of 87.46%.
Logical Consistency	All vector data sets were first checked against the cadastre layer for boundary accuracy. Attributes of layers were analysed according to land use definition and the relevant parts of the layers were extracted and merged together as one single layer.
Completeness	Land Use has been mapped across the full extent of the study area. Land use classes have been mapped down to a minimum secondary ALUM Version 5 level.

Contact Information

Contact Organisation	Department of Primary Industries (DPI), Werribee.
Contact Position	SW Land Use Mapping Project Leader
Mail Address 1	State Chemistry Laboratory
Mail Address 2	621 Sneydes Road
Suburb or Place or Locality	Werribee
State or Locality 2	Victoria
Country	Australia
Postcode	3030
Telephone	9742 8725
Facsimile	9742 8700
Electronic Mail Address	

Metadata Date

Metadata Date 2003-06-25

Additional Metadata

Additional Metadata DNRE CGDL Catalogue, 16th Edition, November 2002.

Additional Information

Additional Information Key Reference: Bureau of Rural Sciences (BRS), 2002, *Land Use Mapping at Catchment Scale: Principles, Procedures and Definitions*, Edition 2, February 2002, BRS Document, Canberra.

File Transfer Details

Files name(s) and size(s)	Swvlum94geo: 32.4 MB
Number of Records	Swvlum94geo: 39,513
File Format	Arc/Info
Field Name Definitions	Main item: lu_code, lu_description, source_scale, source_date, source_desc, luc_date

Reliability:
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	25 June 2003