

Title	Land Use: Hunter Catchment 2004 - 2005
Abstract	<p>Land use mapping encompassing the Hunter catchment commenced in February 2006 and was completed in September 2012. The project acquired aerial photography covering discrete areas and affordable high resolution SPOT 5 imagery, which was used to update the previous 2002/2003 land use mapping.; ; Land use is classified to three separate classification schemes. These classification schemes are:; ; * NSW Land Use Mapping Program (LUMAP).; * NSW SCALD (Standard Classification for Attributes of Land) Classification; * ALUM (Australian Land Use and Management) Classification.; ; The LUMAP Classification is OEH's (formerly DIPNR and DECC) most recent classification for mapping of land use classes for NSW. It is a simple numeric classification, open-ended to enable additional classes to be added. ; ; Prior to LUMAP, the SCALD classification was the standard for mapping of land use in NSW. It is a combined alpha-numeric classification system.; ; The ALUM classification is based upon the modified Baxter & Russell classification and presented according to the specifications contained in www.LUCs.gov.au/land&water/landuse. ; Version 40 of the classification is used to describe the land use classes; ; The date of the data set is set as the land use occurring at the time the aerial photographs were flown with minor changes that have been noted during field inspections and/or appear to differ on the SPOT 5 image.; ; Mapping for this dataset is limited to the 100k topographic sheets of:; Camberwell, Cessnock, Dungog, Gulgong (part), Howes Valley (part), Merriwa, Mt Pomany (part), Mudgee (part), Muswellbrook and Newcastle.; ; Where full sheets have been completed the mapping will extend beyond the Hunter Catchment boundary.</p>
Resource locator	
Data Quality Statement	<p>Name: Data Quality Statement</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Hunter Catchment Landuse 2005</p> <p>Function: download</p>
Land Use: Hunter Catchment 2004 - 2005	<p>Name: Land Use: Hunter Catchment 2004 - 2005</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Download Data package</p> <p>Function: download</p>
Unique resource identifier	
Code	8e3fb61e-6d0b-481a-83fd-8166a1ccef89
Presentation form	Document digital
Edition	2.1
Dataset language	English
Metadata standard	
Name	ISO 19115
Edition	2016
Dataset URI	https://datasets.seed.nsw.gov.au/dataset/8e3fb61e-6d0b-481a-83fd-8166a1ccef89
Purpose	Natural Resource Management
Status	Completed

Spatial representation

Type vector

Geometric Object Type curve

Geometric Object Count 57849

Spatial reference system

Code identifying the spatial reference system 4283

Equivalent scale 1:None

Additional information source LUMAP mapping code classification (version 40); README_SS294844_HunterLanduse.doc

Topic category

Keyword set	
keyword value	LAND-Use Hunter Catchment ALUMV7
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16
Geographic location	
West bounding longitude	149.5079
East bounding longitude	152.9348
North bounding latitude	-33.6876
South bounding latitude	-31.2665
NSW Place Name	Hunter
Vertical extent information	
Minimum value	-100
Maximum value	2228
Coordinate reference system	
Authority code	urn:ogc:def:cs:EPSG::
Code identifying the coordinate reference system	5711
Temporal extent	
Begin position	2000-01-07
End position	N/A
Dataset reference date	
Resource maintenance	
Maintenance and update frequency	Unknown
Contact info	
Contact position	Data Broker
Organisation name	NSW Department of Climate Change, Energy, the Environment and Water
Telephone number	131555
Email address	data.broker@environment.nsw.gov.au
Web address	https://www.nsw.gov.au/departments-and-agencies/dcceew
Responsible party role	pointOfContact

Lineage Line work was drawn onto 1:25000 plots of rectified SPOT 5 2004/2005 imagery. ; ; Information plotted onto the rectified SPOT 5 imagery prior to mapping included: ; * The cadastral layer from the NSW Digital Cadastral Database; * Boundaries of State Forests, National Parks and Nature Reserves from the NSW Digital Cadastral Database; * Specific areas of interest included the 1:100000 topographic sheet boundaries displayed by Camberwell, Cessnock, Dungog, Gulgong, Howes Valley, Merriwa, Mt Pomany, Mudgee, Muswellbrook and Newcastle.; ; Mapping was drafted directly onto the rectified SPOT 5 mosaics using the aerial photography, information conveyed by the Spot 5 image, local knowledge and field checking as the main data sources. Subsequent editing of polygon features was then done on-screen using the relevant SPOT5 image as a backdrop.; ; Mt Pomany was mapped directly on screen with reference to imagery and photos.; ; Details of the aerial photography are:; Camberwell NSW 4924, 4928 & 4931-4932 Runs 1-13, Flown between October and December 2005, Scale 1:25000;; * Cessnock NSW 4873 & 4874 Runs 1-13, Flown September 2004, Scale 1:25 000;; * Dungog NSW 4924, 4928, 4931 & 4932 Runs 1-13, Flown between October and December 2005, Scale 1:25000;; * Gulgong NSW 4502-4503 & 4505 Runs 1-13, Flown between January and May 2000, Scale 1:25000;; * Howes Valley NSW 4580 & 4585 Runs 1-13, Flown between September and October 2001, Scale 1:25000;; * Merriwa NSW 4796 & 4797 Runs 1-13, Flown September 2003, Scale 1:25000;; * Mt Pomany NSW 4572, 4580, 4582-4583 & 4585 Runs 1-9, Flown between August and October 2001, Scale 1:25000;; * Mudgee NSW 4838 Runs 1-4, Flown March 2004, Scale 1:25000;; * Muswellbrook NSW 4782 & 4796 Runs 1-13, Flown between August and September 2003, Scale 1:25000;; * Newcastle NSW 4873-4876 Runs 1-13, Flown September to October 2004, Scale 1:25000; ; Details of the SPOT5 are:; 15/11/2004; 25/11/2004; 21/12/2004; 11/01/2005; 22/01/2005; 06/02/2005; 11/02/2005; 15/03/2005; ; Where details such as cropping patterns and mining boundaries differed between aerial photographs and SPOT5 images, the pattern displayed on the aerial photographs, when used, took preference.; ; Field verification has been carried out in the Camberwell, Cessnock, Dungog, Merriwa, and Muswellbrook 1:100000 map sheet areas and partially in the Gulgong and Newcastle 1:100000 map sheet areas where legal normal vehicular access allowed.

Limitations on public access

Scope dataset

DQ Completeness Commission

Effective date 2001-01-01

Explanation Land use mapping encompassing the Hunter catchment commenced in February 2006 and was completed in September 2012. The project acquired aerial photography covering discrete areas and affordable high resolution SPOT 5 imagery, which was used to update the previous 2002/2003 land use mapping.

DQ Completeness Omission

Effective date 2001-01-01

Explanation One of the major changes compared to the previous land use mapping was the inclusion of farm dams (code 8) and individual farm infrastructure (code 139) as mappable features. Whilst both these features account numerically for a large portion of the total polygons it should be noted that not all features have been captured.; ; Mapping was not undertaken for the Hunter Catchment on the Gosford 100K sheet.

DQ Conceptual Consistency

Effective date 1900-01-01

Explanation Mapping was drafted directly onto the rectified SPOT 5 mosaics using the aerial photography, information conveyed by the Spot 5 image, local knowledge and field checking as the main data sources. Subsequent editing of polygon features was then done on-screen using the relevant SPOT5 image as a backdrop.

DQ Topological Consistency

Effective date 1900-01-01

Explanation The following checks have been run on the spatial information throughout processing

and after merging of the 100K tiles.; ; * Check and Repair Geometry;; * Dissolve;; * Topology (Must not overlap and Must not have gaps) with a cluster tolerance of 0.0000009;; * Removal of small polygons/slivers;; * Identify and remove anomalies between sheets;; * Explode multi part features; and; * All polygons are tagged and their attribution conforms to the LUMAP code list

DQ Absolute External Positional Accuracy

Effective date 1900-01-01

Explanation Boundaries from existing corporate spatial layers have been incorporated into the dataset between March 2011 and September 2012. It is possible that in some instances these boundaries may have changed since 2004/2005. These boundaries include: ; National Parks Estate (NPE); P:\Corporate\Themes\Tenure\CrownEstate\CrownEstate.gdb; Feature Class: NPWS_Estate; ; State Forests (SF); P:\Corporate\Themes\Tenure\CrownEstate\CrownEstate.gdb; Feature Class: FNSW_Boundaries; ; Road corridor (19) P:\Corporate\Themes\Tenure\Cadastral\Cadastral.gdb; Feature Class: RoadCorridor; ; Rail corridor (20); P:\Corporate\Themes\Tenure\Cadastral\Cadastral.gdb; Feature Class: RailwayCorridor; ; The road and rail corridors have been extracted where it can be seen that they represent a sealed surface or rail network outside urban areas. On occasions, these were slightly modified to account for actual roads that show up on the SPOT5 image. ; ; Other existing spatial layers have also had their features incorporated into the dataset but not always uniformly to all sheets. These features include: ; Water bodies; P:\Corporate\Themes\Water\Drainage\Drainage.gdb; Feature Class: HydroArea; ; TSR's; P:\Corporate\Themes\Tenure\CrownEstate\CrownEstate.gdb; Feature Class: TravellingStockRoutes; ; The OEH (formally DIPNR) spatial database for Property Agreements and Management Contracts has not been incorporated into the data set.; ; Polygon boundaries were generally assessed (but not in all cases) and adjusted to coincide with the 2004/2005 spot imagery. Accuracy of the polygon boundaries is generally within 10m.

DQ Non Quantitative Attribute Correctness

Effective date 1900-01-01

Explanation The attributes of this data set are defined by the LUMAP mapping code classification (version 40). Attributes in this classification are generally recognisable from 1:25000 colour aerial photographs as being sufficiently distinct from all others to warrant a separate description. In addition, cadastral boundaries have been used as a guide to delineate additional land parcels which are not entirely clarified by the above method, but are still associated with a particular land use by virtue of a perceived ownership.; ; The majority of the land uses are described to the secondary or tertiary level.; ; All polygons have been checked to see that they are attribution and that the attribution conforms to the LUMAP code list.

Responsible party

Contact position Data Broker

Organisation name NSW Department of Climate Change, Energy, the Environment and Water

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Responsible party role pointOfContact

Metadata point of contact

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Responsible party role	pointOfContact

Metadata date 2024-02-26T12:52:25.949242

Metadata language