

Clip & Ship Metadata Template

Topographic Data

Information Sheet

April 2023

General Information	Identifier (link to metadata)	
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	Role	Custodian, Aggregator, Producer and Distributor
Title	NSW Digital Cadastral Database Clip and Ship	
Metadata Identification	Alternate Title	NSW DTDB, Road, Elevation, Contours, Buildings, Water, Utilities
	Abstract	<p>DCS Spatial Services is the primary vehicle for the delivery of authoritative spatial data and services for NSW and contributes to the transition towards a Digital Government. Our Foundation Spatial Data Framework (FSDF) delivers a comprehensive package of land and property services, including property, surveying and mapping information to the community, businesses, government agencies, emergency services, utilities, academia and non-profit organisations throughout NSW, Australia and internationally. Using the Clip and Ship function, specific geographic extents may be selected and supplied through the SiX viewer interface as a minimum bounding rectangle (MBR) or Local Government Area. The predefined extent limits for the MBR are up to 3000 square kilometres or 1 gigabyte (whichever comes first). The products are available as .shape or .tab formats and can be provided in Universal Transverse Mercator, Map Grid Australia (MGA) coordinate system or Geographic (latitude/longitude).</p> <p>The key elements of the DTDB lite are: Physiographic and hypsometry features such as contours, relative height and spot height; Physiographic, Cultural and Transport features such as fuzzy extent area, cableways, crossing, distinctive land surface (dls) area , ferry route , general cultural area, pipeline, place area, place poin , point of interest, railway, road segment, road name extent, runway, traffic control device; Hydrology features such as coastline, hydro area, hydro line, named water course, tank area, tank point, utility water supply canal.</p> <p>The following attributes exist in all feature classes: TopoID , Attribute, Reliability Date, Capture Method Code, Capture Source Code, Class Sub Type, Create Date, Feature Mod Date, Feature reliability Date, Object Mod Date, Operational Status, Planimetric Accuracy. There is no overall accuracy reported in the database, however accuracy of the individual feature instances of each feature classes</p>

		can be found in the database tables. It is expected that the 90% of well-defined points with the same planimetric accuracy are within 0.5mm of that map scale. Please see lineage for more information. Definitions of all attributes and their values can be found in NSDC or the Data Dictionary .
	Purpose	The Clip and Ship DTDB lite is suitable for project based and defined business activities. This is generally required by commercial consultants and contractors or clients requiring a quick, intuitive way of accessing this fundamental geospatial dataset for “one off” projects or where data is required on an infrequent basis. The DTDB is primarily used for planning, developmental activities, navigation and resource monitoring by emergency services, the Defence Forces, environmental resource managers and engineers. This information is also commonly used by bushwalkers, canoeists, anglers and fossickers to establish a detailed picture of the local environment.
	Temporal extent	1970 to current
	Language	English
	Data Type	Vector
	Keywords	BOUNDARIES-Cultural, BOUNDARIES-Administrative, DEMOGRAPHY, HERITAGE-Natural, HUMAN-ENVIRONMENT, HUMAN-ENVIRONMENT-Liveability, HUMAN-ENVIRONMENT-Housing, HUMAN-ENVIRONMENT-Planning, HUMAN-ENVIRONMENT-Structures-and-Facilities, HUMAN-ENVIRONMENT-Urban-Design, INDUSTRY-Mining, LAND, LAND-Topography, TRANSPORTATION, TRANSPORTATION-Land, TRANSPORTATION-Marine, UTILITIES, VEGETATION, VEGETATION-Structural, WATER-Hydrochemistry, WATER-Groundwater, WATER-Hydrology, WATER-Lakes, WATER-Rivers, WATER-Surface
Data Theme	ANZLIC search words	Australia, New South Wales, Jurisdictions
	Topics	Inland waters, location, structure, transportation, utilities, communication,
	Reference System URN	EPSG:4283
Data Quality Information	Lineage	The DTDB was initially captured at 1:25 000, 1:50 000 and 1:100 000 scales from stereoscopic aerial photography supported by ground truth, field data capture and updating. These scales have an inherent accuracy as per the National Mapping Council of Australia, Standards of Map Accuracy (1975). Therefore, the position of the feature instance will be within 0.5mm at map scale for 90% of the well-defined points. That is, 1:25000 = 12.5m, 1:50000 = 25m and 1:100000 = 50m. Depending on the capture source, capture method, digital update and control point upgrade, every feature instance reportedly has a positional accuracy within the range of 1m-100m. The original manuscripts were scanned and vectorised and translated to Genamap files. Beginning in the year 2000, the data was migrated to ESRI geodatabase. The database has been continuously updated and upgraded since then. The database is maintained through a program of data exchanges with many organisations throughout NSW, as well as through Spatial Services (SS)’s regular cycle of updating aerial imagery of 10 cm, 50 cm and 2.5m GSD. The programs address the content correctness, currency and accuracy of different Feature Classes on a continuous or cyclical basis. The database is updated and upgraded by using programs and capture sources which utilise the latest available imagery, external data integration from custodial and other sources, data matching and data verification of other internal and external databases, field investigation and research. The specific programs utilised for the maintenance of each feature are largely defined by the Capture Source Attribute attached to the feature. Currently, data is captured using various methods from multiple source programs as follows: Registered Image Trace Ortho Image Trace of 10 , 20 and 50 cm ground sample distance imagery from ADS40 and 2.5m from SPOT 5 imagery, Table Digitisation, DCDB, Scan / Vectorise, Differential GPS, Non-corrected, Comparative estimate, Survey Controlled, Mobile GPS, Stereo Image Trace Aggregation or replication

		<p>of existing line segments, Engineering Design File (CAD) Scanned Map Image Trace, Positioned within features cadastral or ortho image extent. Some capture methods are unknown which may occur where data was supplied by an external source where the data capture method is undefined. Definitions of each capture methods can be found in the NSW Spatial Data Catalogue or in the DTDB Data Dictionary.</p> <p>SS uses FME Server Farm 2010 for manual manipulation, transformation and reformatting to meet client needs, automatic transformation and reformatting for product delivery, and automated manipulation for the rendering of SS spatial data in purpose built web services. Web services have been developed in this FME environment to extract data from the spatial data warehouse in accordance with “reduced scheme” and provide this data based on a client defined area in a specific format and projection.</p>
	Maintenance Frequency	Continual
Data Quality Information Usage Information	Metadata Standard Name	ANZLIC Metadata Profile: NSW Metadata Profile
	Standard version	1.1
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