

Title	Greater Sydney Region Tree Canopy to Modified Mesh Block 2022
Abstract	The Greater Sydney Region Tree Canopy to Modified Mesh Block 2022 provides both an area and percentage of canopy for city blocks and infrastructure corridors in the Greater Sydney Region as of 2022. With this dataset users can estimate tree canopy for many geographic areas (map scales), from larger local government area and precincts down to mesh block (ABS) and modified mesh block (smallest scale). The geographic extent of the 2022 canopy cover dataset includes the metropolitan urban area and metropolitan rural area of Greater Sydney. Having current and accurate estimates of tree canopy supports citizens and governments to reliably identify areas of tree canopy and confidently develop urban greening and heat island mitigation strategies and actions. This dataset provides the user with information at a known spatial accuracy. The dataset uses vegetation information derived from 0.48m resolution ArborCarbon Pty Ltd height stratified vegetation cover data combined with boundary and land use information from the Australian Bureau of Statistics (ABS) Mesh Block polygon dataset. The Greater Sydney Region Tree Canopy to Modified Mesh Block 2022 dataset uses the Modified Mesh Block boundaries from the 'Greater Sydney Region Tree Canopy to Modified Mesh Block 2019' dataset. Care should be taken when comparing canopy cover between datasets, especially in LGAs with a lower proportion of Metropolitan Urban Area, as some observed differences may be a result of variations in methodologies rather than actual change in canopy cover. In the dataset, "tree canopy" is classified as all vegetation greater than 3m. "All vegetation" includes all vegetation, including tree canopy, greater than 0m. Note: due to data limitations, not all grass areas have been identified in their entirety.
Resource locator	
Data Quality Statement	Name: Data Quality Statement Protocol: WWW:DOWNLOAD-1.0-http--download Description: Data quality statement for Greater Sydney Region Tree Canopy to Modified Mesh Block 2022 Function: download
Metadata for 2022 Greater Sydney canopy data to Modified Mesh Block	Name: Metadata for 2022 Greater Sydney canopy data to Modified Mesh Block Protocol: WWW:DOWNLOAD-1.0-http--download Description: Metadata for 2022 Greater Sydney canopy data to Modified Mesh Block Function: download
Download Package	Name: Download Package Protocol: WWW:DOWNLOAD-1.0-http--download Description: Data (Shapefile in GDA94 Datum) Function: download
Download Package	Name: Download Package Protocol: WWW:DOWNLOAD-1.0-http--download Description: Data (Shapefile in GDA2020 Datum) Function: download
ArcGIS REST Service - Greater Sydney all veg canopy	Name: ArcGIS REST Service - Greater Sydney all veg canopy cover 2022 Protocol: WWW:DOWNLOAD-1.0-http--download Description:

cover 2022	An ArcGIS Server web service represents a GIS resource such as a map, locator, or image that is located on an ArcGIS Server site and is made available to client applications. Depending on the layers enabled, this web service allows a user to query its features and/or visualise the dataset. This service is aimed at advanced geographical information users, and will require access to geographical information system (GIS) software such as ArcGIS/ArcMap. Function: download
ArcGIS REST Service - Greater Sydney tree canopy cover 2022	Name: ArcGIS REST Service - Greater Sydney tree canopy cover 2022 Protocol: WWW:DOWNLOAD-1.0-http--download Description: Server site and is made available to client applications. Depending on the layers enabled, this web service allows a user to query its features and/or visualise the dataset. This service is aimed at advanced geographical information users, and will require access to geographical information system (GIS) software such as ArcGIS/ArcMap. Function: download
Tree Canopy Summarised by LGA and Suburb (2022 and 2019)	Name: Tree Canopy Summarised by LGA and Suburb (2022 and 2019) Protocol: WWW:DOWNLOAD-1.0-http--download Description: The excel document “Tree Canopy Summarised by LGA and Suburb (2022 and 2019)” provides statistics for canopy cover for the metropolitan urban area of Greater Sydney. The primary 2022 data was calculated using the underlying 2022 raster imagery, the comparison 2019 dataset was calculated using the 2019 raster imagery modified to the same boundaries as the 2022 dataset. The statistics are summarised by Local Government Area and suburb, for the 2019 and 2022 Greater Sydney canopy datasets. The statistics have been summarised for the metropolitan urban area of Greater Sydney as this is the geographic area previously analysed. Statistics for the Total LGA and Suburb areas for the 2019 dataset have also been included for reference. Best efforts were made to develop comparable statistics for the 2019 and 2022 canopy datasets using the raster base imagery. However due to differences in data acquisition and processing methods, there may be some variation in the summary statistics. Care should be taken when comparing canopy cover between datasets, especially in LGAs with a lower proportion of Metropolitan Urban Area, as some observed differences may be a result of variations in methodologies rather than actual change in canopy cover. Function: download
2022 Canopy Data Methodology Report	Name: 2022 Canopy Data Methodology Report Protocol: WWW:DOWNLOAD-1.0-http--download Description: This report contains the methodology used to acquire, process and analyse the 2022 Greater Sydney canopy data. Function: download

Unique resource identifier

Code	4fc71c24-ebc2-4029-b19b-6259d00107d0
Presentation form	Map digital
Edition	1
Dataset language	English

Metadata standard

Name	ISO 19115
Edition	2016
Dataset URI	https://www.planningportal.nsw.gov.au/opaendata/dataset/4fc71c24-ebc2-4029-b19b-6259d00107d0
Purpose	Tree canopy planning and management
Status	Completed
Spatial representation	
Type	vector
Geometric Object Type	surface
Spatial reference system	
Code identifying the spatial reference system	4283
Spatial resolution	48 cm
Topic category	environment

Keyword set	
keyword value	VEGETATION-Structural HUMAN-ENVIRONMENT-Planning
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16
Geographic location	
NSW Place Name	Greater Sydney Region
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	2022-03-10
End position	N/A
Dataset reference date	
Resource maintenance	
Maintenance and update frequency	Not planned
Contact info	
Contact position	Data Broker
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Responsible party role	pointOfContact

Lineage

The Greater Sydney Region Tree Canopy to Modified Mesh Block 2022 data is sourced from 0.48m resolution ArborCarbon Pty Ltd height stratified vegetation cover data and uses the Modified Mesh Block boundaries from the 'Greater Sydney Region Tree Canopy to Modified Mesh Block 2019' dataset. In the dataset, "tree canopy" is classified as all vegetation greater than 3m. "All vegetation" includes all vegetation, including tree canopy, greater than 0m. Note: due to data limitations, not all grass areas have been identified in their entirety. LGA and suburb boundary source: 2019 GSR Footprint, Greater Sydney Region Tree Canopy to Modified Mesh Block 2019, NSW SEED.

Constraint set

Use constraints

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Limitations on public access

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Metadata date	2024-07-17T04:49:09.363289
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Metadata language
