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

[Show on SEED Web Map](#)	Name: Show on SEED Web Map
	Protocol: WWW:DOWNLOAD-1.0-http--download
	Description:
	Display dataset on SEED's map
	Function: download
[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 cover 2022](#)	Name: ArcGIS REST Service - Greater Sydney all veg canopy cover 2022
	Protocol: WWW:DOWNLOAD-1.0-http--download
	Description:
	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	1ddde3f8-5ac3-4a33-9163-1763436d02a0

Presentation form	Map digital

Edition	1
Dataset language	English

Metadata standard

Name	ISO 19115
Edition	2016

Dataset URI	https://datasets.seed.nsw.gov.au/dataset/1ddde3f8-5ac3-4a33-9163-1763436d02a0
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

Keyword set

keyword value	VEGETATION-Structural
	HUMAN-ENVIRONMENT-Planning

Originating controlled vocabulary

Title	ANZLIC Search Words
Reference date	2008-05-16

Geographic location

West bounding longitude	150.16937
East bounding longitude	151.52
North bounding latitude	-34.48392
South bounding latitude	-33.46811
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
Organisation name	NSW Department of Planning, Housing and Infrastructure
Telephone number	131555
Email address	data.broker@environment.nsw.gov.au
Web address	https://www.nsw.gov.au/departments-and-agencies/department-of-planning-housing-and-infrastructure
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.

Limitations on public access

Responsible party

Contact position	Data Broker
Organisation name	NSW Department of Planning, Housing and Infrastructure
Telephone number	131555
Email address	data.broker@environment.nsw.gov.au
Web address	https://www.nsw.gov.au/departments-and-agencies/department-of-planning-housing-and-infrastructure
Responsible party role	pointOfContact

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Responsible party role	pointOfContact

Metadata date	2024-07-17T04:49:05.610571

Metadata language	