

Title

Greater Sydney Region Tree Canopy to Modified Mesh Block 2019

Abstract

The Greater Sydney Region Tree Canopy to Modified Mesh Block 2019 provides both an area and percentage of canopy for city blocks and infrastructure corridors in the Greater Sydney Region as of 2019. 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). 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 2m resolution Geoscape © [Surface Features](#) data (commercial product) combined with boundary and land use information from the Australian Bureau of Statistics (ABS) Mesh Block polygon dataset. Mesh Block data is augmented with boundaries (road, rail, property & water) from the NSW Digital Cadastral Database and NSW Land Zoning to produce modified mesh block boundaries the ABS Mesh Blocks. The modified mesh block are designed to assist the planning of tree planting based on land use. The work was undertaken to support the NSW Government Greener City Program and 2021 [Government Priority of One Million trees project](#).

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 2019

Function: download

[Greater Sydney Region Canopy Cover and Urban Heat Island By Modified Mesh Block](#)

Name: Greater Sydney Region Canopy Cover and Urban Heat Island By Modified Mesh Block

Protocol: WWW:DOWNLOAD-1.0-http--download

Description:

A file geodatabase with two datasets within it and two Shapefiles: - Tree_Cover_MMB_GSR_2019 - UHI_MMB_GSR_2018_19 Provides information on the area and percentage of canopy for - Mesh Block - Modified Mesh Block in the Greater Sydney Region. Data may also be broken down into Land Zoning (EPI_TYPE, EPI_NAME)

Function: download

[Greater Sydney Region Canopy Cover Layer File](#)

Name: Greater Sydney Region Canopy Cover Layer File

Protocol: WWW:DOWNLOAD-1.0-http--download

Description:

This layer file provides a standard legend and colour scheme for the dataset

Function: download

[Tree Canopy summarised by LGA and Suburb](#)

Name: Tree Canopy summarised by LGA and Suburb

Protocol: WWW:DOWNLOAD-1.0-http--download

Description:

This data summarises the area of Tree Canopy by NSW Local Government Area and Suburb within the Greater Sydney Region

Function: download

[Workflow for assessing tree canopy cover in the Greater Sydney Region \(2019\) Nov 2022](#)

Name: Workflow for assessing tree canopy cover in the Greater Sydney Region (2019) Nov 2022

Protocol: WWW:DOWNLOAD-1.0-http--download

Description:

This document offers a workflow (method) used for the 2019 assessment of tree canopy cover in the Greater Sydney Region. The assessment of current tree canopy is a key component of the NSW Greening our City Premier's Priority, the aim of which is to increase the tree canopy and green cover across Greater Sydney by planting one million trees by end of 2022. This is part of a broader commitment to plant five million trees by 2030.

Function: download

Unique resource identifier

Code 6633d004-579e-4953-94f8-a72ef53e771c

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/6633d004-579e-4953-94f8-a72ef53e771c>

Purpose Planning and assessment of the Five Million Trees Premier Priority Program

Status Completed

Spatial representation

Type vector

Geometric Object Type complex

Spatial reference system

Code identifying the spatial reference system 4283

Equivalent scale 1:None

Additional information source Check the imagery source dates for the Geoscape data (Temporal Coverage).

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	2019-10-01
End position	N/A
Dataset reference date	
Resource maintenance	
Maintenance and update frequency	As needed
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	The tree canopy by mesh block data is source from the commercial Geoscape © product ' Geoscape Trees ' and analysed with Australian Bureau of Statistics Mesh Blocks , NSW Cadastre , NSW Suburbs and Local Government areas plus the NSW Land Zoning datasets.

Limitations on public access

Scope dataset

DQ Completeness Commission

Effective date 2021-10-29

Explanation In the GIS workflow for creating the modified mesh blocks some mesh block may have had sliver of areas added in the alignment and splitting with the NSW Cadastre and Zoning datasets. There are inherited commission errors from input datasets, documented in the published workflow .

DQ Completeness Omission

Effective date 2021-10-29

Explanation In the GIS workflow for creating the modified mesh blocks some mesh block may have had sliver of areas removed in the alignment and splitting with the NSW Cadastre and Zoning datasets. There are inherited omission errors from input datasets, documented in the published workflow .

DQ Conceptual Consistency

Effective date 2021-10-29

Explanation The data set have cluster tolerances that are consist with source NSW Cadastre. With any areas consistent with the source at the time of use.

DQ Topological Consistency

Effective date 2021-10-29

Explanation Data through out the process of the creation of modified mesh blocks was checked for overlapping polygons, duplicate nodes and gaps.

DQ Non Quantitative Attribute Correctness

Effective date 2021-10-29

Explanation The attributes were checked for null and invalid values.

Responsible party

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

Metadata point of contact

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Metadata date 2024-09-17T00:11:45.672342

Metadata language