# 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

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

3lock

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

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 8595789c-e6e4-4673-b609-7b7ec5d4c870

Presentation

form

Map digital

Edition 1

Dataset language

English

Metadata standard

Name

ISO 19115

Edition

2016

**Dataset URI** 

https://www.planningportal.nsw.gov.au/opendata/dataset/8595789c-e6e4-4673-b609-

7b7ec5d4c870

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

source

in formation

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

**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   | 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 |
| Full postal address  | NSW   |
|  | Australia   |
|  | data.broker@environment.nsw.gov.au                                  |
| 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. |   |

# Constraint set

This data is provided under a Creative Commons Attribution 4.0 licence

http://creativecommons.org/licenses/by/4.0. Attribute 'NSW Department of Climate Change, Energy, the Environment and Water' in publications using this data.

Limitations on public access

constraints

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

Full postal address NSW

Australia

data.broker@environment.nsw.gov.au

Telephone number 131555

Email address <u>data.broker@environment.nsw.gov.au</u>

Web address <a href="https://www.nsw.gov.au/departments-and-agencies/dcceew">https://www.nsw.gov.au/departments-and-agencies/dcceew</a>

Responsible party role pointOfContact

Metadata point of contact

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Responsible party role pointOfContact

Metadata date 2024-02-26T13:42:33.156743

Metadata language