

Acquisition and Processing of Airborne Imagery – Metadata

Prepared for

New South Wales Department of Planning and Environment

Summary Data Description

Modified Mesh Block (MMB) dataset updated to include height stratified vegetation cover (hectares and percentage) statistics based on the 2022 Greater Sydney Region vegetation cover dataset, for Metropolitan Urban Areas and Metropolitan Regional Areas across Greater Sydney.

Revision Status

Revision	Submission Date	Description	Author(s)	Reviewer
A	31 st July 2023	Modified Mesh Block Dataset	Naviin Hardy	Dr Harry Eslick Briony Williams

1 Vector Files

1.1 Modified Mesh Block

Modified Mesh Block Details	
Description	<p>Geometries and attribute data downloaded from NSW SEED portal and clipped to the acquisition extent of the 2022 Greater Sydney Region (Metropolitan Urban Areas and Metropolitan Regional Areas only). Dataset updated with new attributes based on analysis of the 2022 Greater Sydney Region canopy dataset as follows:</p> <ul style="list-style-type: none">• class (string): owner (public or private), classified using the MMB_CAT attribute value as follows:<ul style="list-style-type: none">○ Public: Road, Recreational, Environmental, Water, Railway, education, Hospital/Medical, Airport○ Private: Residential, Commercial, Primary Production, Industrial• area (ha) (float): total feature area, in hectares• Non-Vegetation (float): area of non-vegetation, in hectares• 0-3m (float): area of vegetation <3m tall, in hectares• 3-10m (float): area of vegetation 3-10m tall, in hectares• 10-15m (float): area of vegetation 10-15m tall, in hectares• >15m (float): area of vegetation >15m tall, in hectares• Canopy (float): area of canopy (all vegetation >3m tall), in hectares• Non-Vegetation % (float): non-vegetation cover as a percentage of total feature area• 0-3m % (float): vegetation cover <3m tall as a percentage of total feature area• 3-10m % (float): vegetation cover 3-10m tall as a percentage of total feature area• 10-15m % (float): vegetation cover 10-15m tall as a percentage of total feature area• >15m % (float): vegetation cover >15m tall as a percentage of total feature area• Canopy (float): canopy cover (all vegetation >3m tall) as a percentage of total feature area <p>All other attributes in the dataset were propagated without modification from the 2019 Modified Mesh Block dataset.</p>

Projection	Map Grid of Australia zone 56
Datum	Geocentric Datum of Australia 2020
Spatial Extent	North: 6346787.1 metres N South: 6198443.8 metres N East: 346303.1 metres E West: 228265.8 metres E
Feature Count	223,706
Geometry Type	Polygon
File Name	GeoPackage Format: GSR_2022_MMB_Dataset.gpkg ESRI Shapefile Format: GSR_2022_MMB_Dataset.shp (with associated sidecar files: .cpg, .dbf, .prj, .shx) Note: The GeoPackage and ESRI Shapefile datasets contain the same data and are provided in multiple formats for compatibility with client GIS.

Please do not hesitate to contact us if you have any queries regarding this data.