

An aerial photograph of a dense urban skyline, featuring numerous skyscrapers and buildings. The entire image is overlaid with a semi-transparent red filter. The text is white, providing a high-contrast look.

OFF THE SHELF 3D MODELS

AUS | NZ



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AUS | NZ

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3D INTERACTIVE MAPS ARE JUST ONE CLICK AWAY

Experience our Off-the-shelf
3D solutions

Aerometrex's 3D solution provides access to city mesh models and a range of derived information that adds three-dimensional context to projects, aids scenario visualisation, and offers a comprehensive 3D base dataset for change monitoring.

While Aerometrex specialises in the delivery of custom-built 3D projects to meet a range of enterprise requirements, we also offer a series of city mesh models that can be purchased off-the-shelf. These off-the-shelf 3D models offer resolutions ranging from 7.5 cm to 2 cm GSD and outputs are offered in most 3D formats suitable for use in 3D GIS and web applications.

Models can be purchased as complete datasets, or a selected area of interest, and are generated using our unique capture and processing techniques, via aircraft and helicopter. Additionally, project-based 3D work can be executed to offer street-level captures for high focus areas.

Aerometrex 3D models are being used by customers across various industries delivering a broad range of benefits:

Driving productivity with 3D insights

3D modelling, in conjunction with various planning tools as well as artificial intelligence and machine learning can reduce project duration and bring down costs drastically, without any compromise on quality or accuracy. Teams can analyse potential limitations to proposed concepts and keep track of the various phases of their project.

Building intelligence through 3D feature extraction

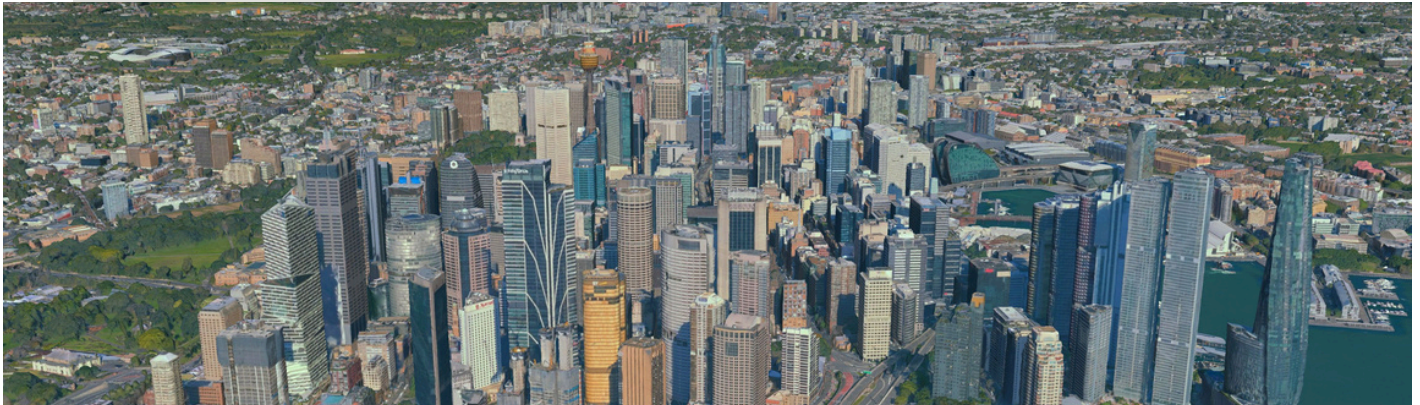
Urban designers, network planners, etc. can use 3D modelling and surrounding landscape details to improve their understanding of their assets in relation to a specific area. 3D models have become the building block for digital twins and smart city planning

Simplifying information dissemination with 3D visualisation

3D visualisation can be used to communicate complex information through interactive and intuitive 3D software. It is also an ideal tool to digitize and conserve heritage sites or drive tourism through virtual / augmented reality.

SYDNEY

STANDARD RES - 7.5CM MODEL



CAPTURED

June 2024

CAPTURED AREA

1100 sq km

RESOLUTION

7.5cm GSD

ACCURACY

Absolute Accuracy (XYZ)

25cm

GEODETIC DATUM

Horizontal - GDA2020

Vertical - AHD

PROJECTIONS

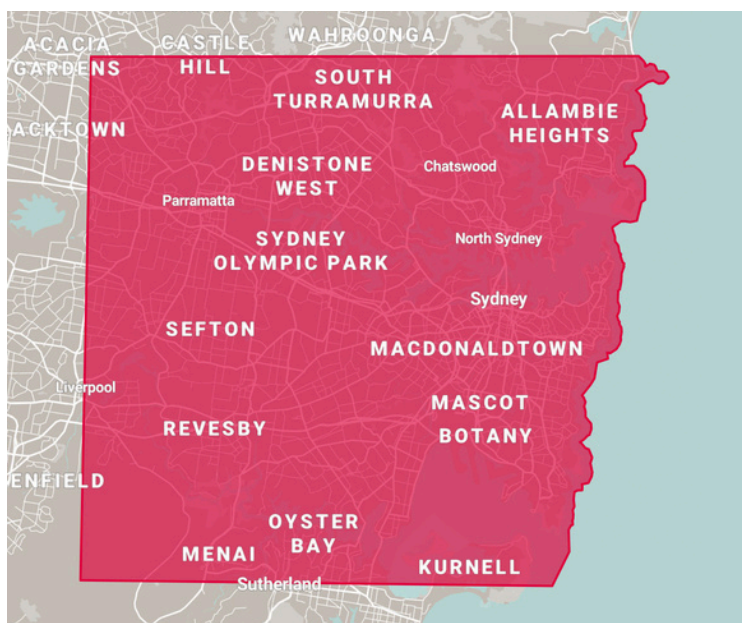
MGA ZONE 56

ARCHIVES

2023, 2020, 2019, 2017



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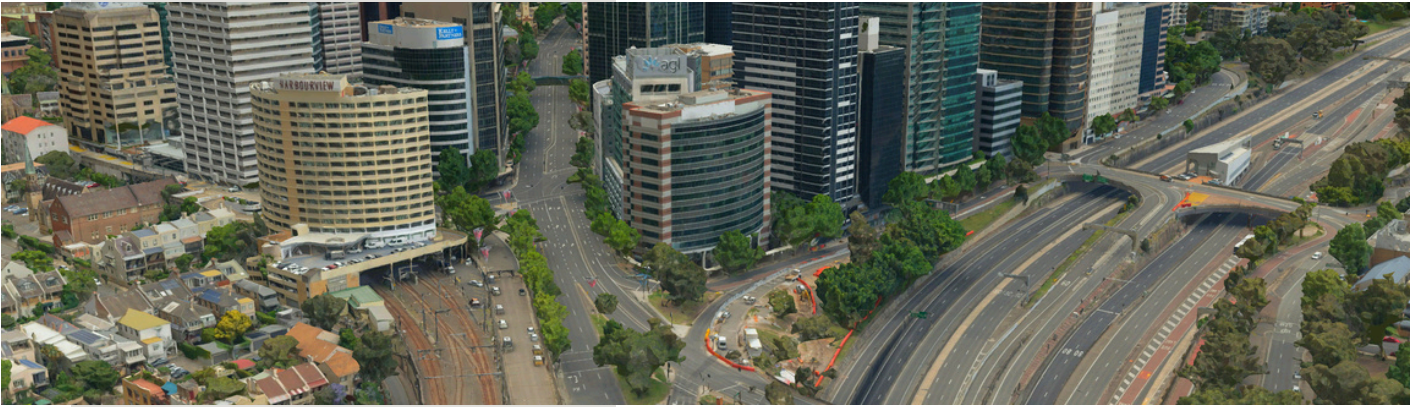
Click image to view interactive model

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NORTH SYDNEY-CIRCULAR QUAY

HIGH RES - 2CM MODEL



CAPTURED

December 2021

CAPTURED AREA

1.942 sq km

RESOLUTION

2cm GSD

ACCURACY

Absolute Accuracy (XYZ)

20cm

GEODETIC DATUM

Horizontal - GDA2020

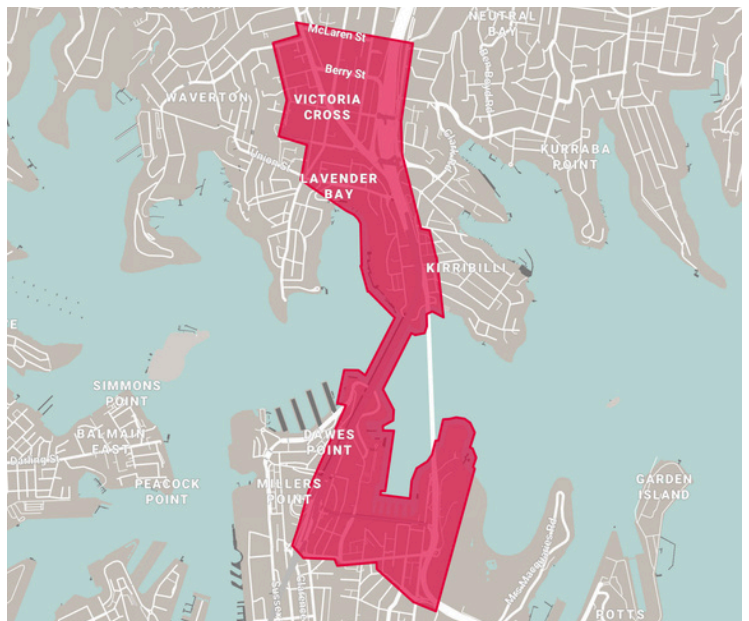
Vertical - AHD

PROJECTIONS

MGA ZONE 56



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PYRMONT

HIGH RES - 2CM MODEL



CAPTURED

December 2021

CAPTURED AREA

1.858 sq km

RESOLUTION

2cm GSD

ACCURACY

Absolute Accuracy (XYZ)

20cm

GEODETIC DATUM

Horizontal - GDA2020

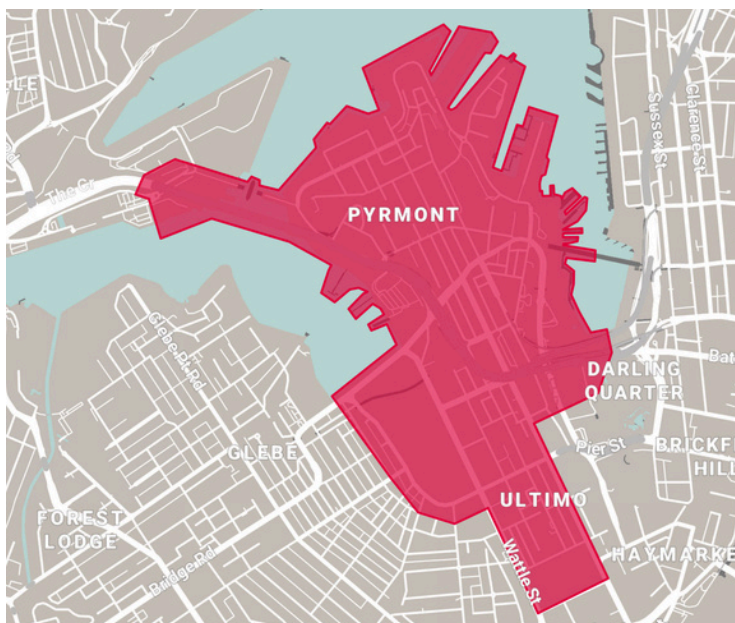
Vertical - AHD

PROJECTIONS

MGA ZONE 56



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MELBOURNE

STANDARD RES - 7.5CM MODEL



CAPTURED

February 2025

CAPTURED AREA

777 sq km

RESOLUTION

7.5cm GSD

ACCURACY

Absolute Accuracy (XYZ)

25cm

GEODETIC DATUM

Horizontal - GDA2020

Vertical - AHD

PROJECTIONS

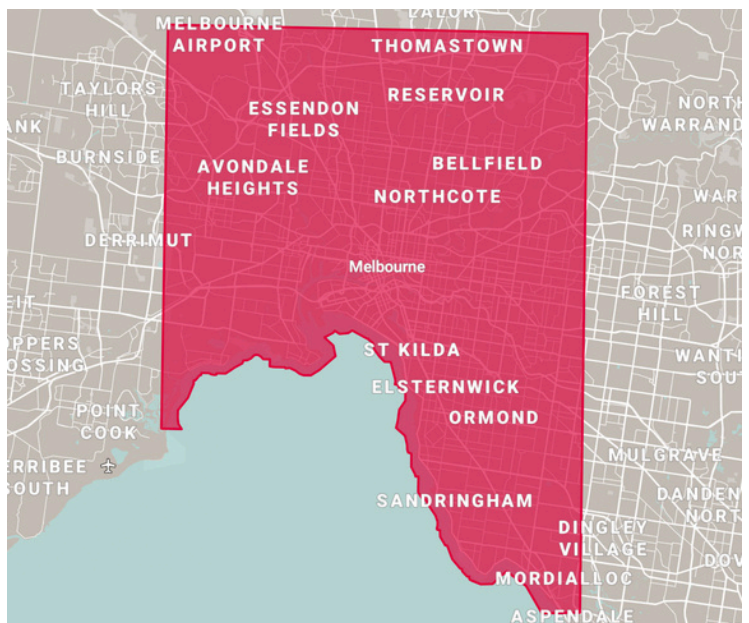
MGA ZONE 55

ARCHIVES

2024, 2023, 2022, 2020, 2019,
2017



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MELBOURNE SOUTH

STANDARD RES - 7.5CM MODEL



CAPTURED

November 2020

CAPTURED AREA

211 sq km

RESOLUTION

7.5cm GSD

ACCURACY

Absolute Accuracy (XYZ)

25cm

GEODETTIC DATUM

Horizontal - GDA2020

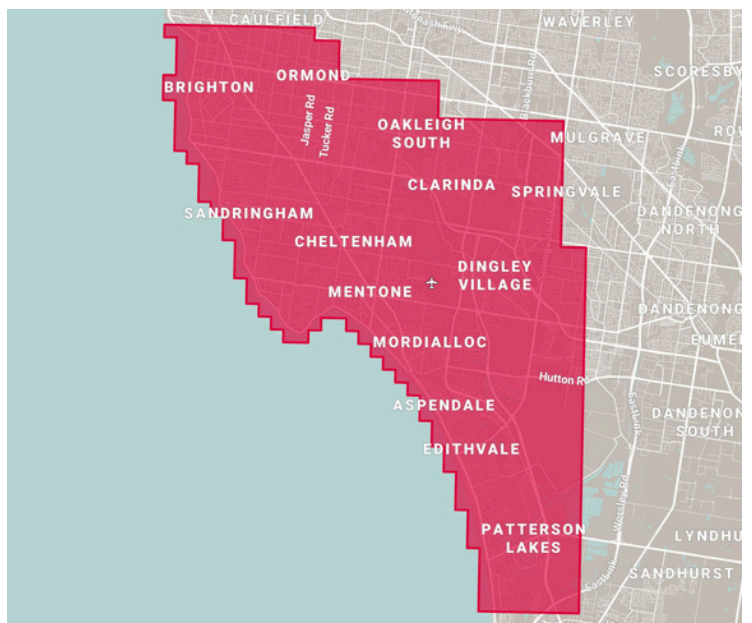
Vertical - AHD

PROJECTIONS

MGA ZONE 55



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MELBOURNE

HIGH RES - 2CM MODEL



CAPTURED

March 2021

CAPTURED AREA

6.9 sq km

RESOLUTION

2cm GSD

ACCURACY

Absolute Accuracy (XYZ)

5cm

GEODETIC DATUM

Horizontal - GDA2020

Vertical - AHD

PROJECTIONS

MGA ZONE 55



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BRISBANE

STANDARD RES - 7.5CM MODEL



CAPTURED

June 2024

CAPTURED AREA

579 sq km

RESOLUTION

7.5cm GSD

ACCURACY

Absolute Accuracy (XYZ)

25cm

GEODETIC DATUM

Horizontal - GDA2020

Vertical - AHD

PROJECTIONS

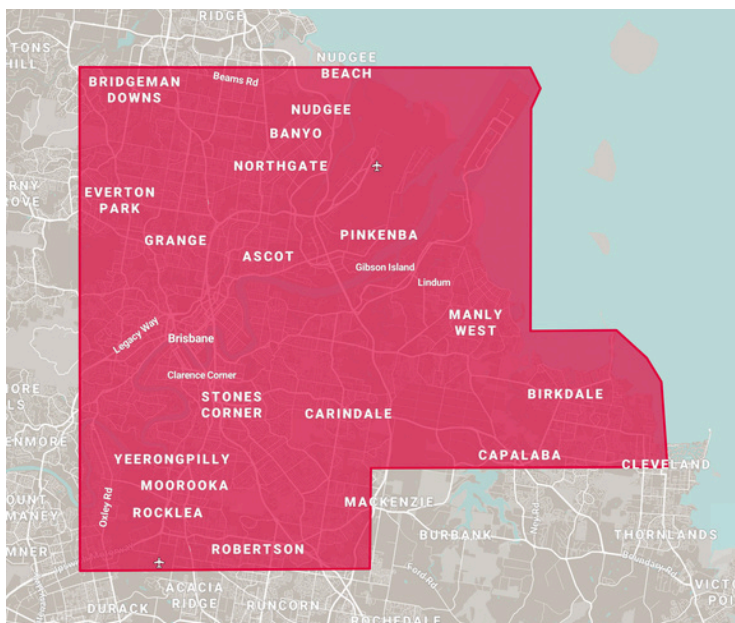
MGA ZONE 56

ARCHIVES

2021, 2020, 2019, 2018, 2016



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BRISBANE

HIGH RES - 2CM MODEL



CAPTURED

August 2018

CAPTURED AREA

3.2 sq km

RESOLUTION

2cm GSD

ACCURACY

Absolute Accuracy (XYZ)

5cm

GEODETIC DATUM

Horizontal - GDA94

Vertical - AHD

PROJECTIONS

MGA ZONE 56



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PERTH

STANDARD RES - 7.5CM MODEL



CAPTURED

June 2025

CAPTURED AREA

758 sq km

RESOLUTION

7.5cm GSD

ACCURACY

Absolute Accuracy (XYZ)

25cm

GEODETTIC DATUM

Horizontal - GDA2020

Vertical - AHD

PROJECTIONS

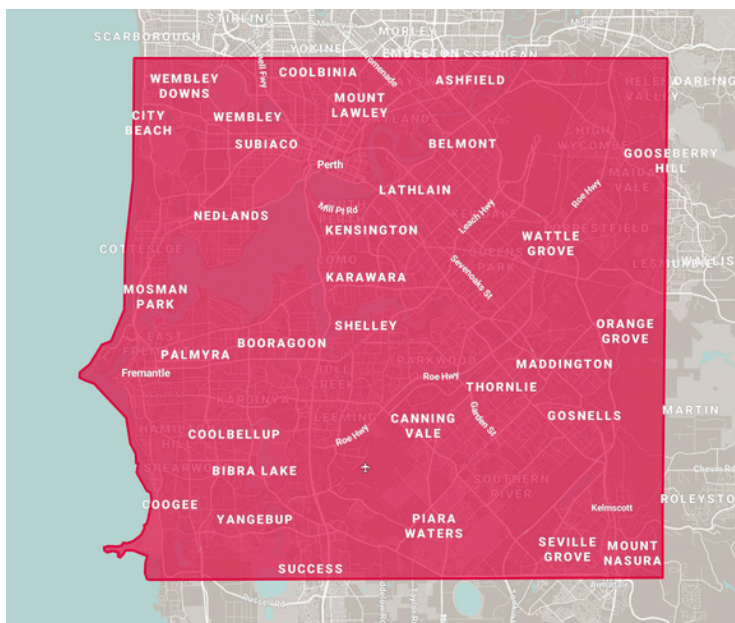
MGA ZONE 50

ARCHIVES

2024, 2022, 2020, 2018



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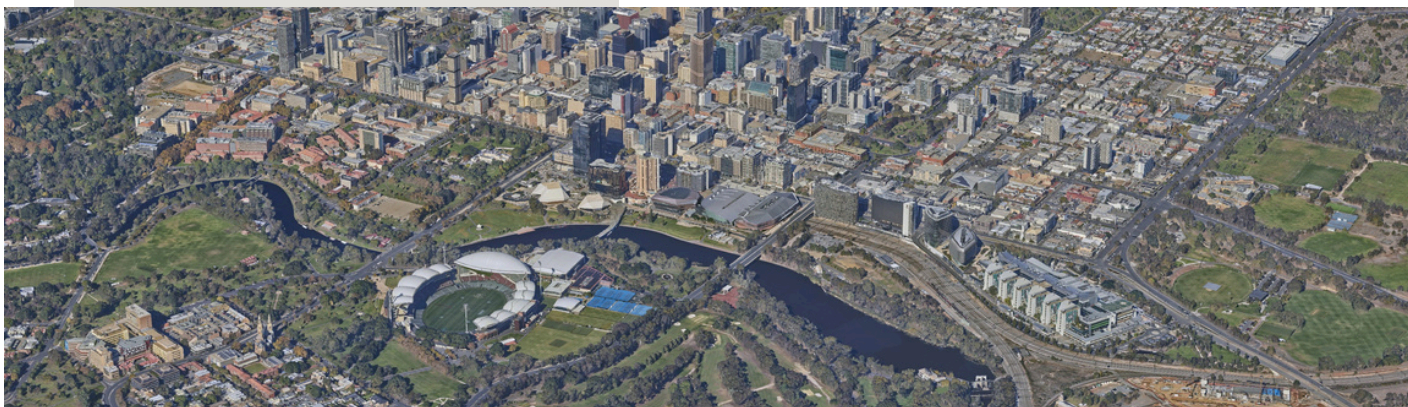
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ADELAIDE

STANDARD RES - 7.5CM MODEL



CAPTURED

May 2025

CAPTURED AREA

908 sq km

RESOLUTION

7.5cm GSD

ACCURACY

Absolute Accuracy (XYZ)

25cm

GEODETIC DATUM

Horizontal - GDA2020

Vertical - AHD

PROJECTIONS

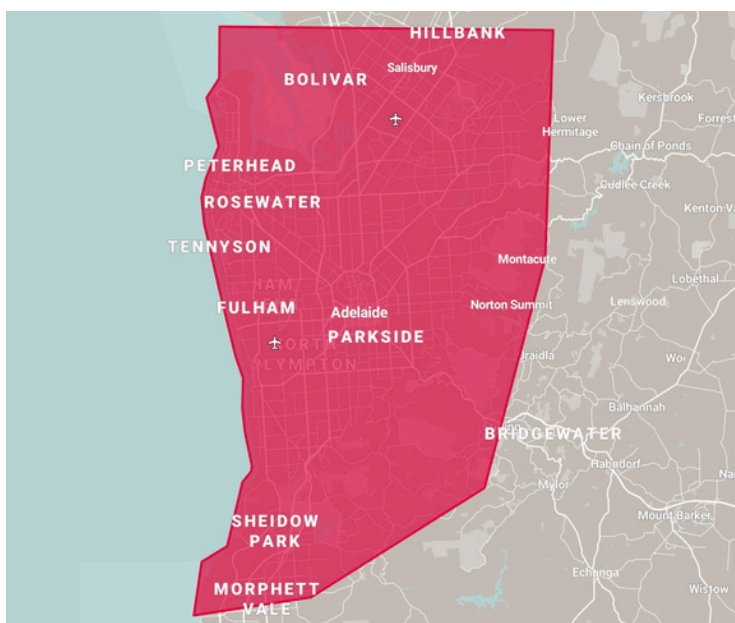
MGA ZONE 54

ARCHIVES

2024, 2023, 2022, 2020, 2016



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ADELAIDE

HIGH RES - 2CM MODEL



CAPTURED

November 2019

CAPTURED AREA

5.1 sq km

RESOLUTION

2cm GSD

ACCURACY

Absolute Accuracy (XYZ)

5cm

GEODETIC DATUM

Horizontal - GDA94

Vertical - AHD

PROJECTIONS

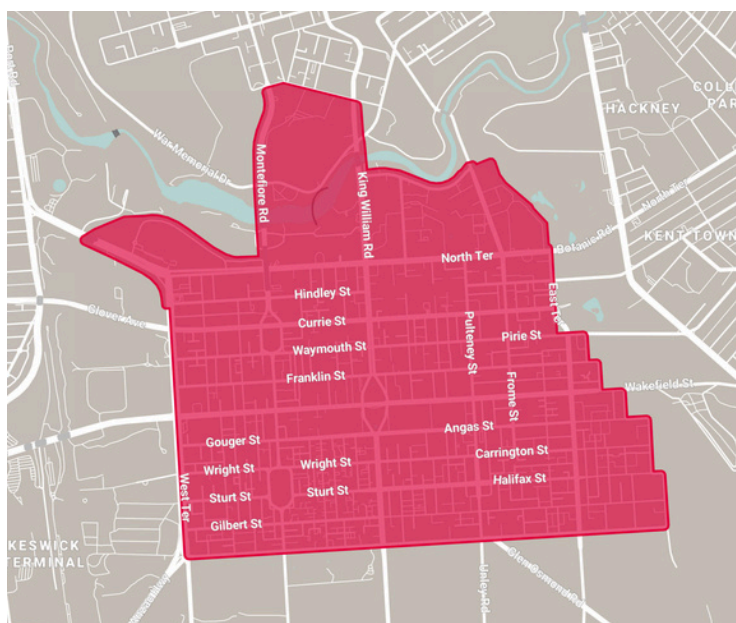
MGA ZONE 54

ARCHIVES

2016



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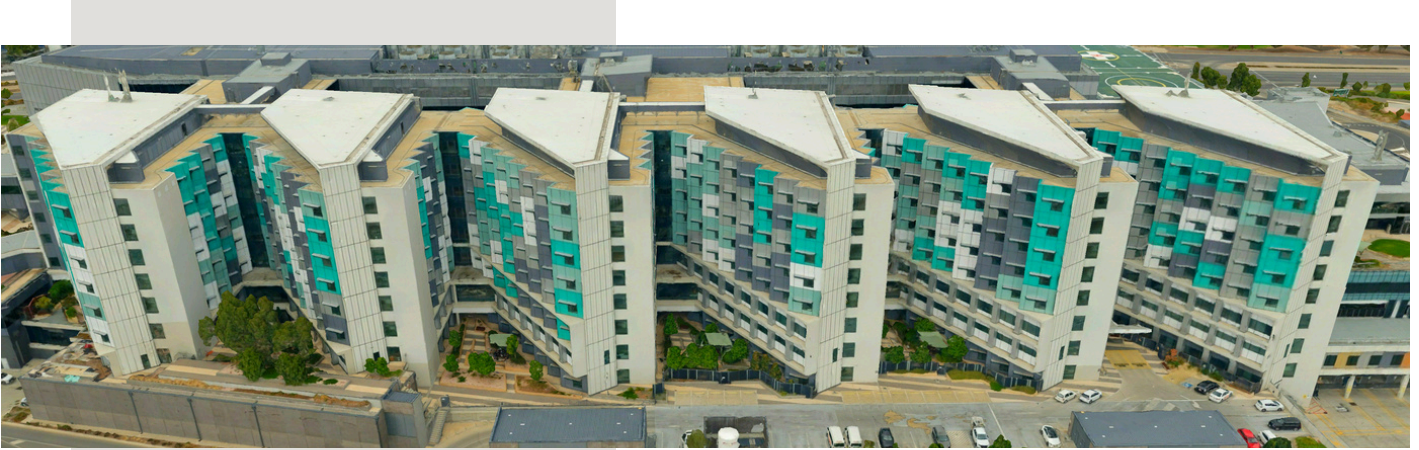
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ADELAIDE - NORTH TERRACE

HIGH RES - 2CM AND STREET LEVEL MODEL



CAPTURED

January 2021

CAPTURED AREA

1.65 sq km

RESOLUTION

2cm/Sub cm GSD

ACCURACY

Absolute Accuracy (XYZ)

5cm

GEODETIC DATUM

Horizontal - GDA94

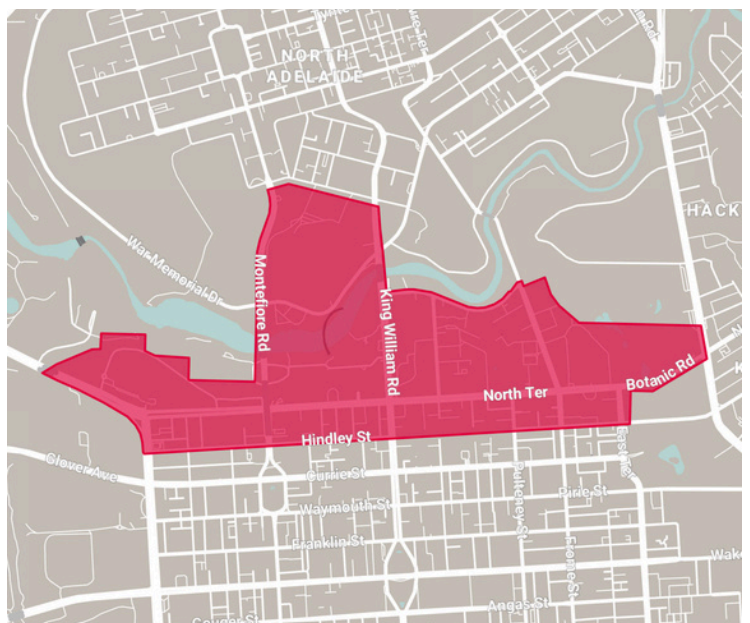
Vertical - AHD

PROJECTIONS

MGA ZONE 54



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CAPTURED

July 2024

CAPTURED AREA

540 sq km

RESOLUTION

7.5cm GSD

ACCURACY

Absolute Accuracy (XYZ)

25cm

GEODETIC DATUM

Horizontal - GDA2020

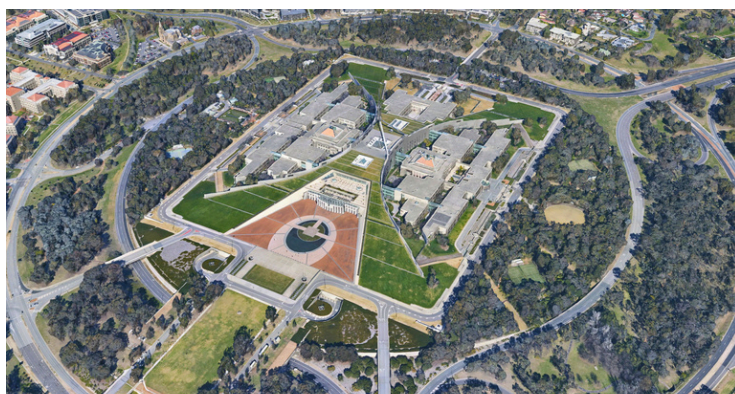
Vertical - AHD

PROJECTIONS

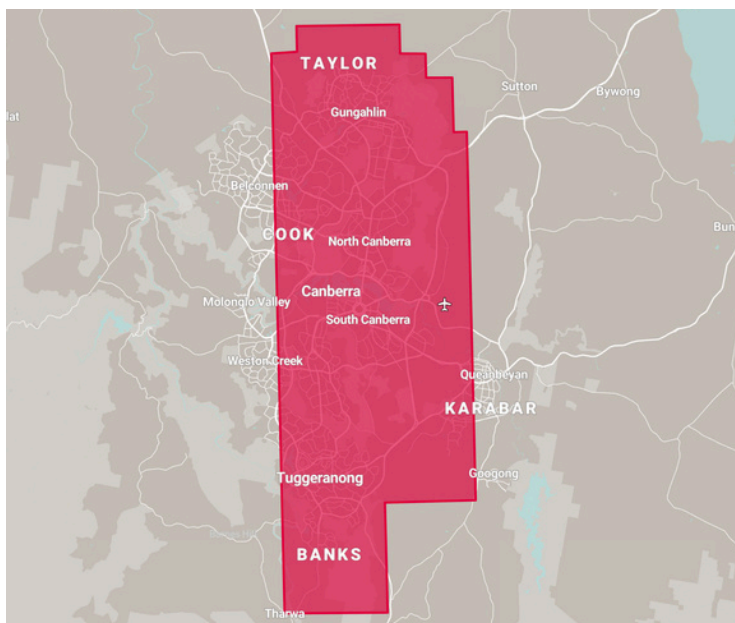
MGA ZONE 55

ARCHIVES

2023, 2020, 2018



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GOLD COAST

STANDARD RES - 7.5CM MODEL



CAPTURED

November 2019 - June 2020

CAPTURED AREA

798 sq km

RESOLUTION

7.5cm GSD

ACCURACY

Absolute Accuracy (XYZ)

25cm

GEODETIC DATUM

Horizontal - GDA2020

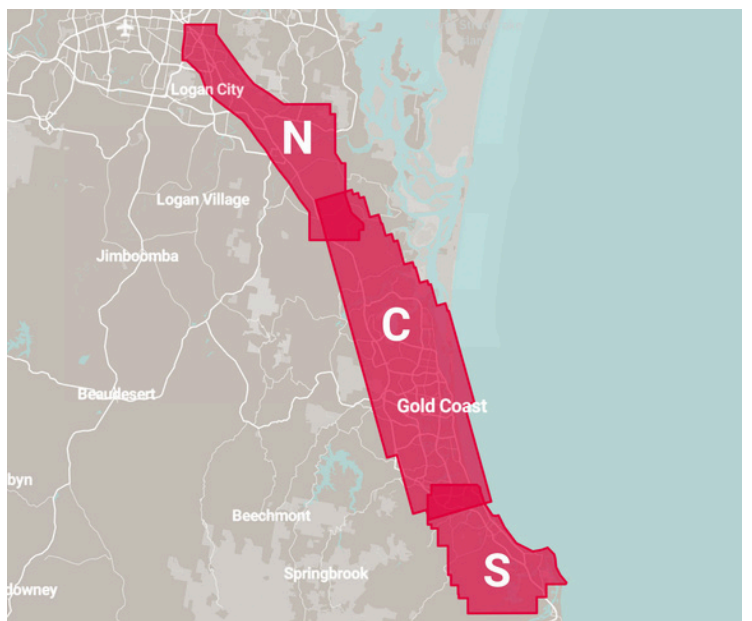
Vertical - AHD

PROJECTIONS

MGA ZONE 56



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GOLD COAST SOUTH

HIGH RES - 2CM MODEL



CAPTURED

July 2020

CAPTURED AREA

11.6 sq km

RESOLUTION

2cm GSD

ACCURACY

Absolute Accuracy (XYZ)

5cm

GEODETIC DATUM

Horizontal - GDA2020

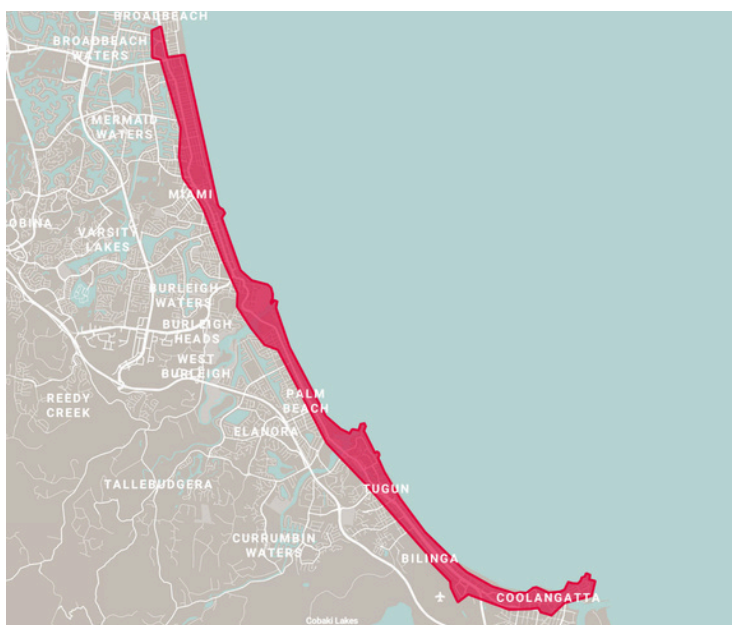
Vertical - AHD

PROJECTIONS

MGA ZONE 56



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GOLD COAST CENTRAL

HIGH RES - 5CM MODEL



CAPTURED

October 2021

CAPTURED AREA

7.6 sq km

RESOLUTION

5cm GSD

ACCURACY

Absolute Accuracy (XYZ)

12.5cm

GEODETIC DATUM

Horizontal - GDA2020

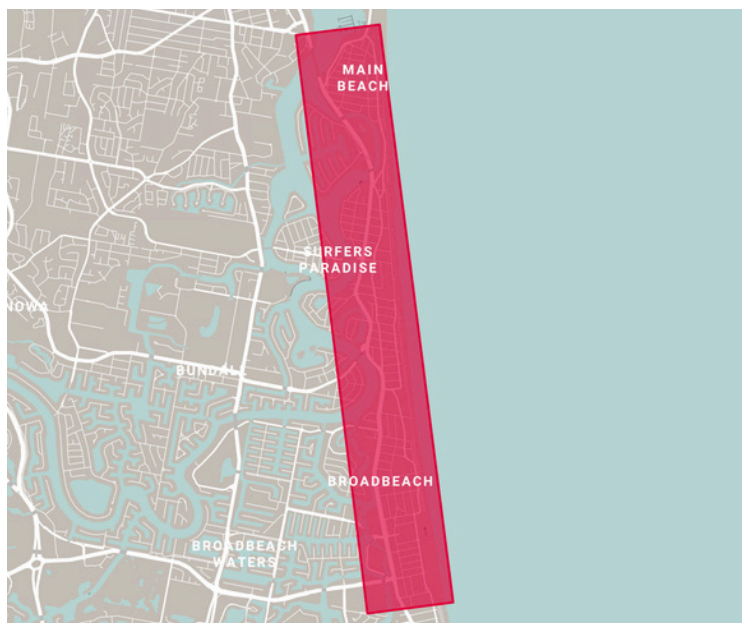
Vertical - AHD

PROJECTIONS

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SUNSHINE COAST

STANDARD RES - 7.5CM MODEL



CAPTURED

December 2019

CAPTURED AREA

750 sq km

RESOLUTION

7.5cm GSD

ACCURACY

Absolute Accuracy (XYZ)

25cm

GEODETIC DATUM

Horizontal - GDA2020

Vertical - AHD

PROJECTIONS

MGA ZONE 56



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NEWCASTLE

STANDARD RES - 7.5CM MODEL



CAPTURED

March 2023

CAPTURED AREA

290 sq km

RESOLUTION

7.5cm GSD

ACCURACY

Absolute Accuracy (XYZ)

25cm

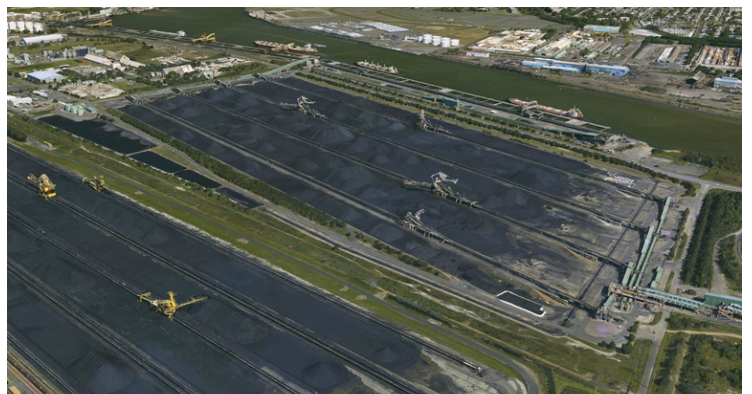
GEODETIC DATUM

Horizontal - GDA2020

Vertical - AHD

PROJECTIONS

MGA ZONE 56



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AUCKLAND

HIGH RES - 5CM MODEL



CAPTURED

February 2020

CAPTURED AREA

9.2 sq km

RESOLUTION

5cm GSD

ACCURACY

Absolute Accuracy (XYZ)

25cm

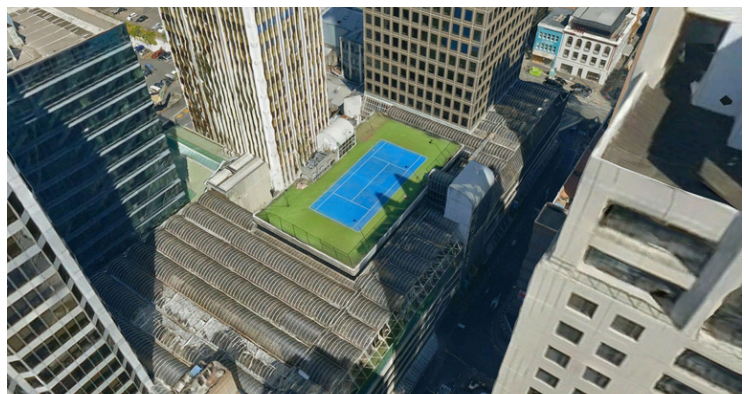
GEODETTIC DATUM

Horizontal - NZ2000

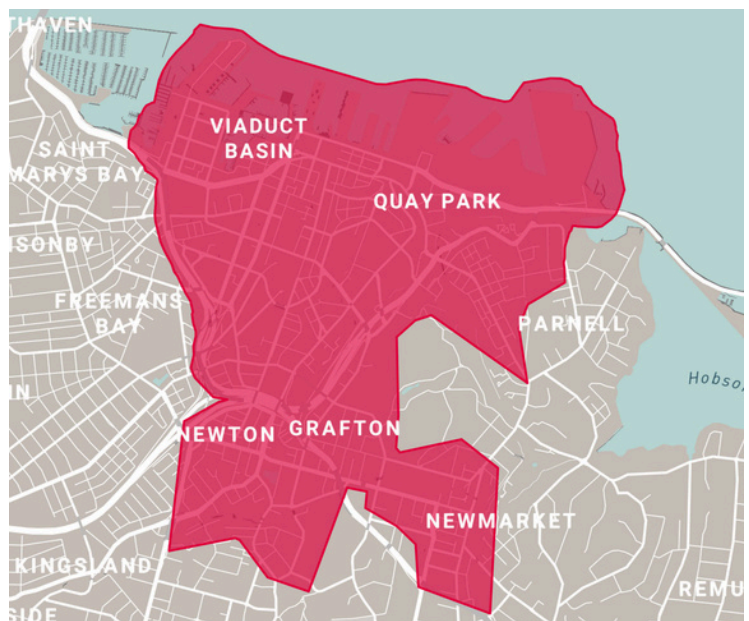
Vertical - EGM96

PROJECTIONS

NZ2000



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CHRISTCHURCH

HIGH RES - 5CM MODEL



CAPTURED

February 2020

CAPTURED AREA

7.5 sq km

RESOLUTION

5cm GSD

ACCURACY

Absolute Accuracy (XYZ)

25cm

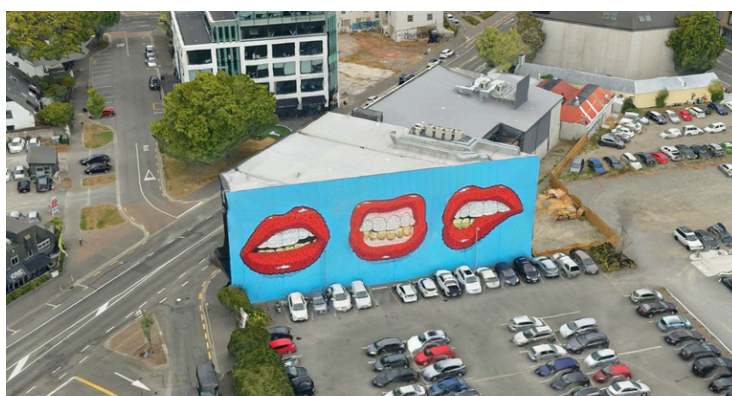
GEODETIC DATUM

Horizontal - NZ2000

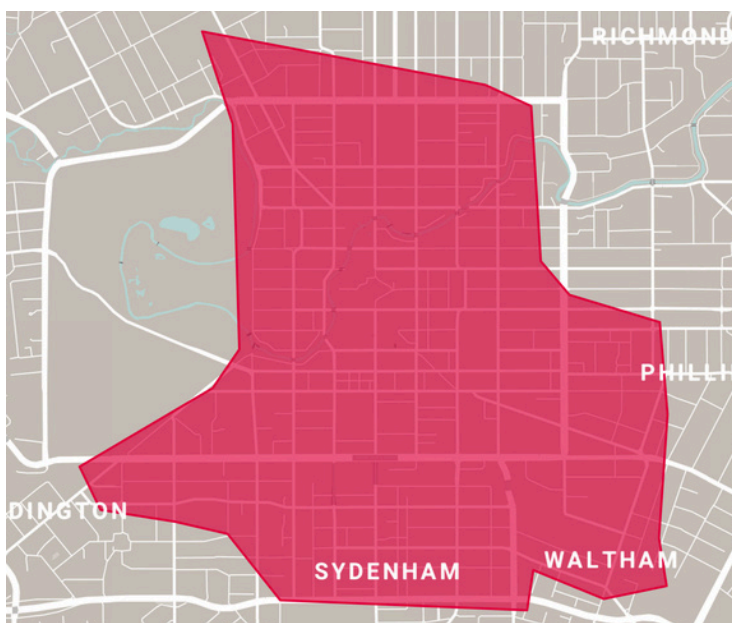
Vertical - EGM96

PROJECTIONS

MGA ZONE NZ2000



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WELLINGTON

HIGH RES - 5CM MODEL



CAPTURED

February 2020

CAPTURED AREA

4.6 sq km

RESOLUTION

5cm GSD

ACCURACY

Absolute Accuracy (XYZ)

25cm

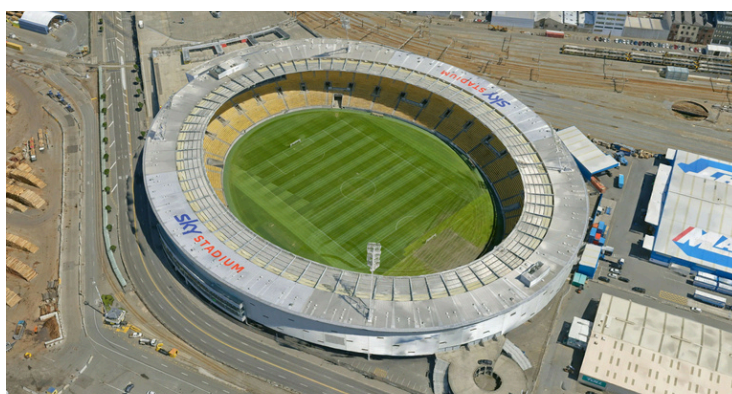
GEODETIC DATUM

Horizontal - NZ2000

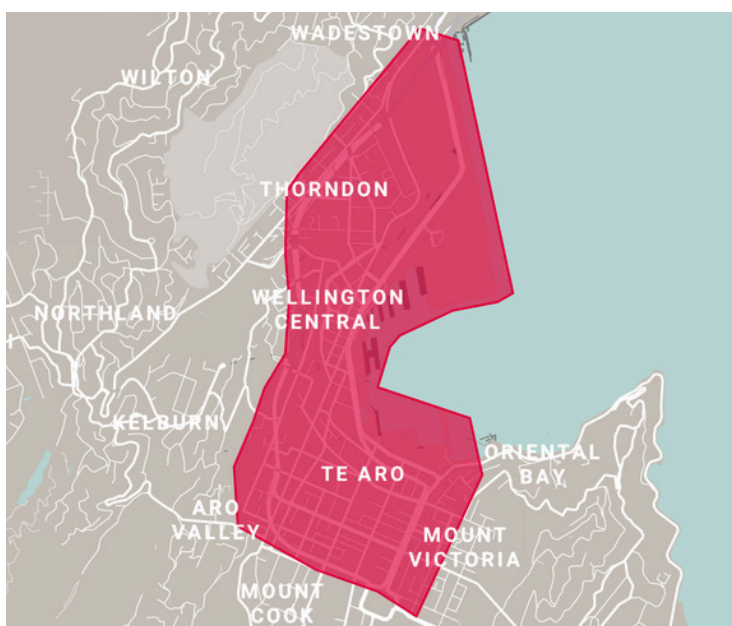
Vertical - EGM96

PROJECTIONS

NZ2000



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