

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 strong contrast against the red background.

# OFF THE SHELF 3D MODELS

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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

March 2023

## CAPTURED AREA

750 sq km

## RESOLUTION

7.5cm GSD

## ACCURACY

Absolute Accuracy (XYZ)

25cm

## GEODETC DATUM

Horizontal - GDA2020

Vertical - AHD

## PROJECTIONS

MGA ZONE 56

## ARCHIVES

2020, 2019, 2017



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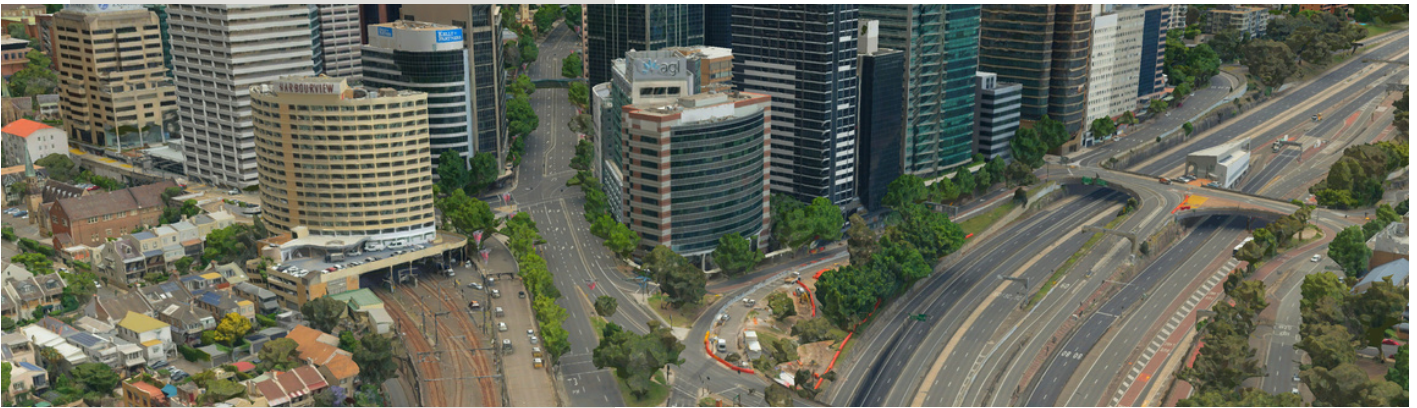
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# NORTH SYDNEY-CIRCULAR QUAY

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

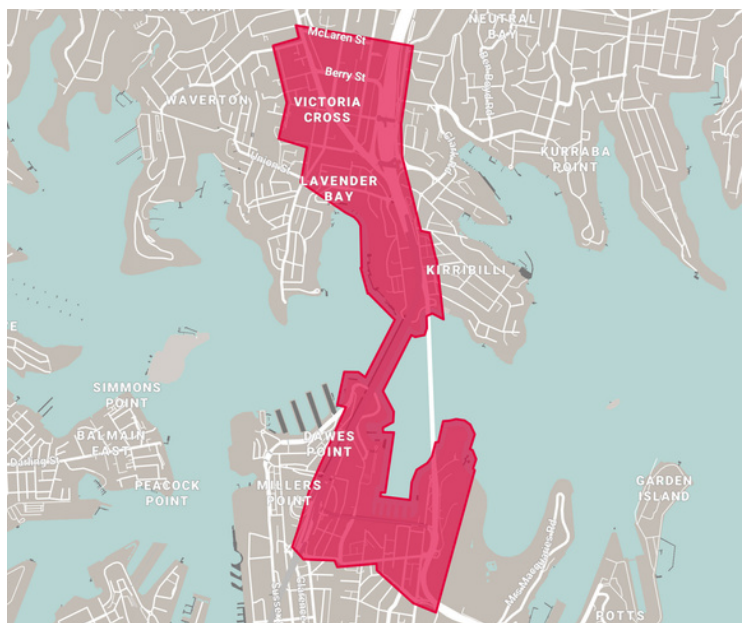
Vertical - AHD

## 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

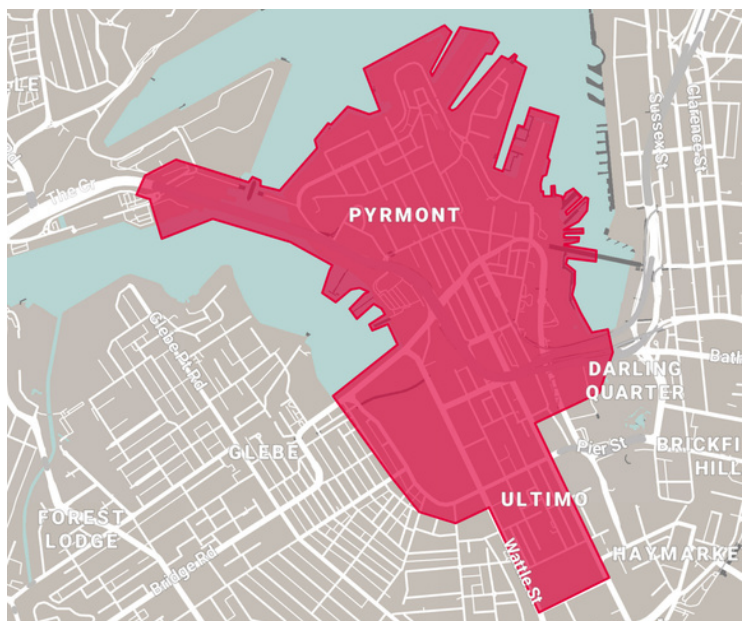
Vertical - AHD

## PROJECTIONS

MGA ZONE 56



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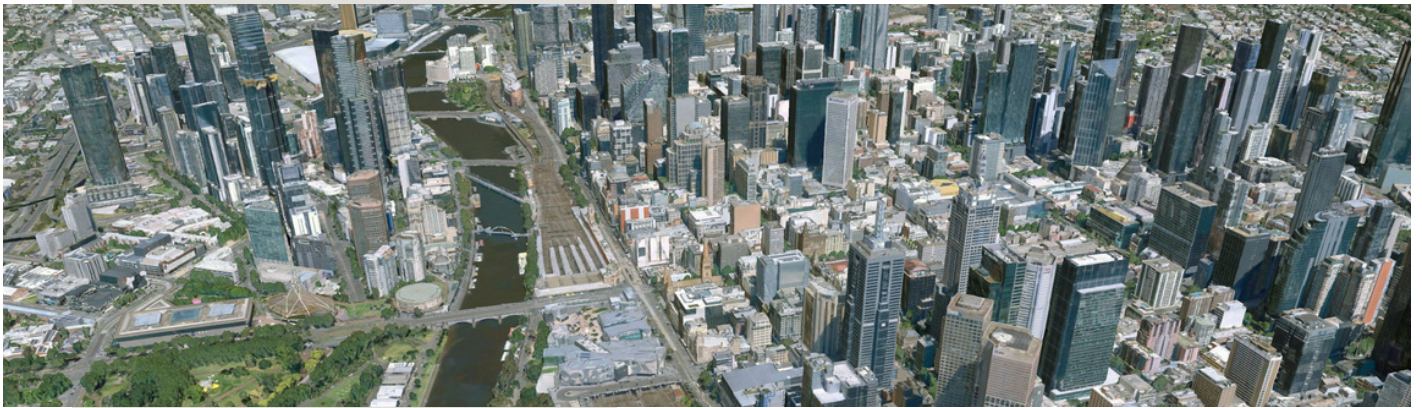
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# MELBOURNE

STANDARD RES - 7.5CM MODEL



## CAPTURED

May 2023

## CAPTURED AREA

355.5 sq km

## RESOLUTION

7.5cm GSD

## ACCURACY

Absolute Accuracy (XYZ)

25cm

## GEODETIC DATUM

Horizontal - GDA2020

Vertical - AHD

## PROJECTIONS

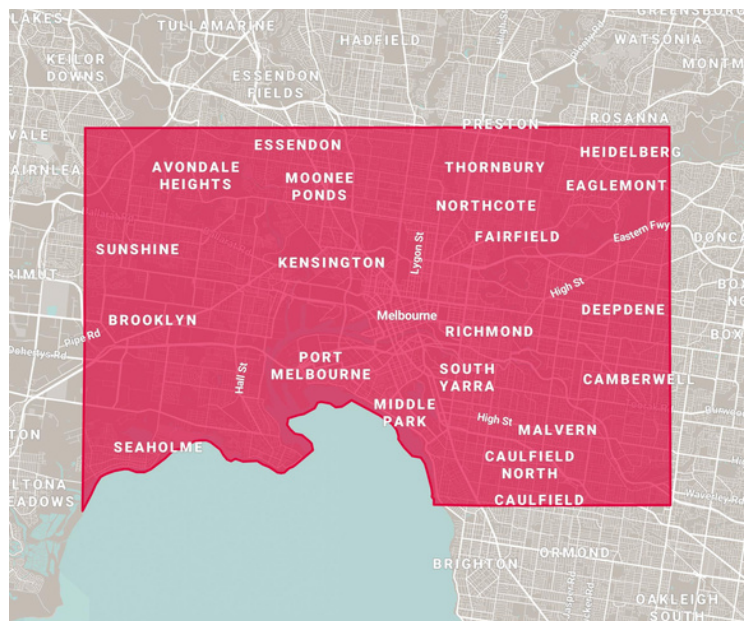
MGA ZONE 55

## ARCHIVES

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

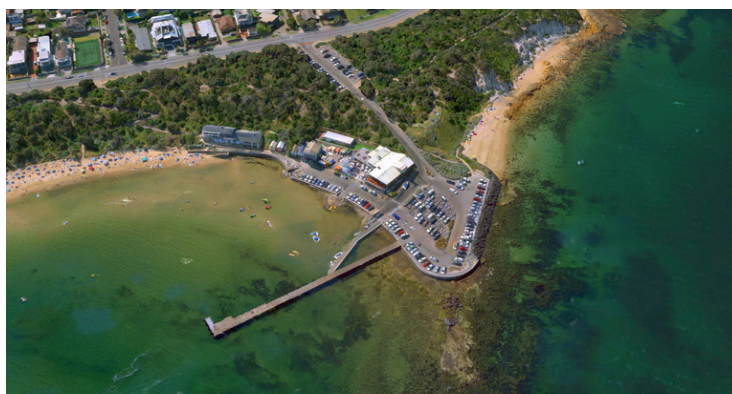
## GEODETIC DATUM

Horizontal - GDA2020

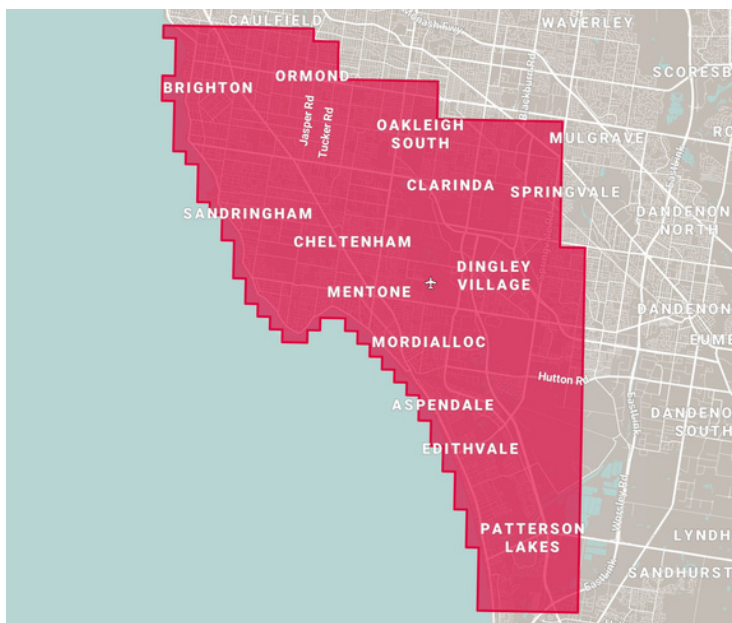
Vertical - AHD

## 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

October 2021

## CAPTURED AREA

580 sq km

## RESOLUTION

7.5cm GSD

## ACCURACY

Absolute Accuracy (XYZ)

25cm

## GEODETIC DATUM

Horizontal - GDA2020

Vertical - AHD

## PROJECTIONS

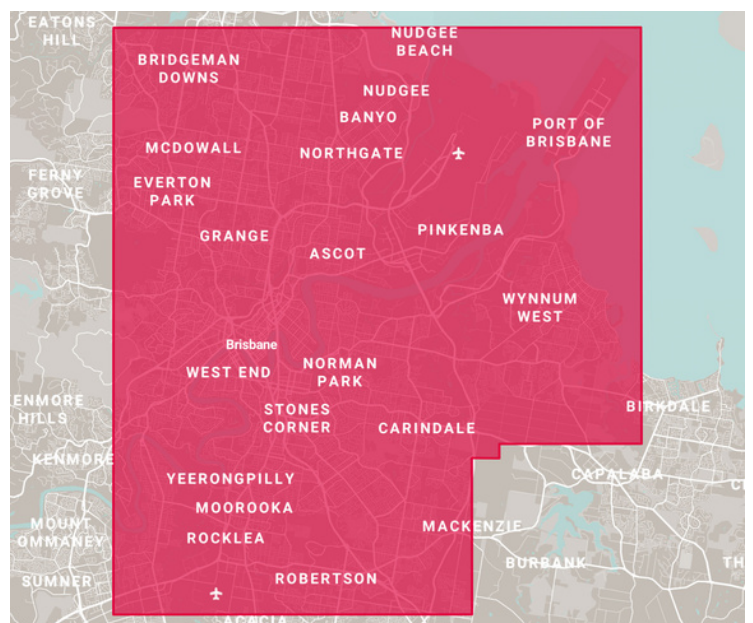
MGA ZONE 56

## ARCHIVES

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 - 6CM MODEL



## CAPTURED

April 2022

## CAPTURED AREA

556 sq km

## RESOLUTION

6cm GSD

## ACCURACY

Absolute Accuracy (XYZ)

25cm

## GEODETIC DATUM

Horizontal - GDA2020

Vertical - AHD

## PROJECTIONS

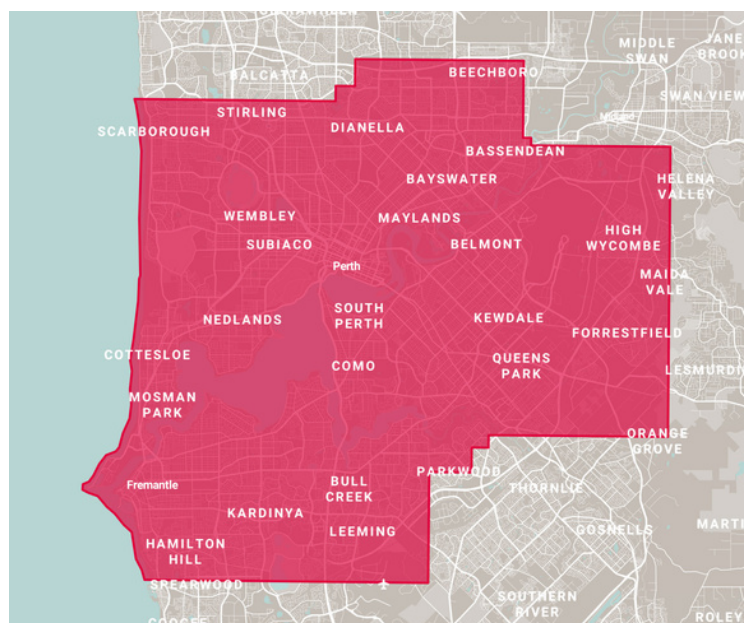
MGA ZONE 50

## ARCHIVES

2020, 2018



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# ADELAIDE

STANDARD RES - 7.5CM MODEL



## CAPTURED

February 2023

## CAPTURED AREA

475 sq km

## RESOLUTION

7.5cm GSD

## ACCURACY

Absolute Accuracy (XYZ)

25cm

## GEODETIC DATUM

Horizontal - GDA2020

Vertical - AHD

## PROJECTIONS

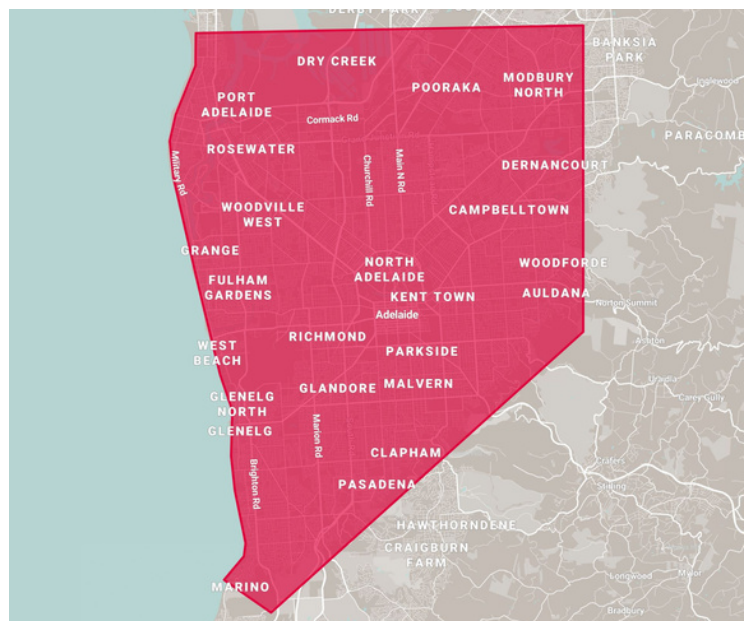
MGA ZONE 54

## ARCHIVES

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

## GEODETC DATUM

Horizontal - GDA94

Vertical - AHD

## PROJECTIONS

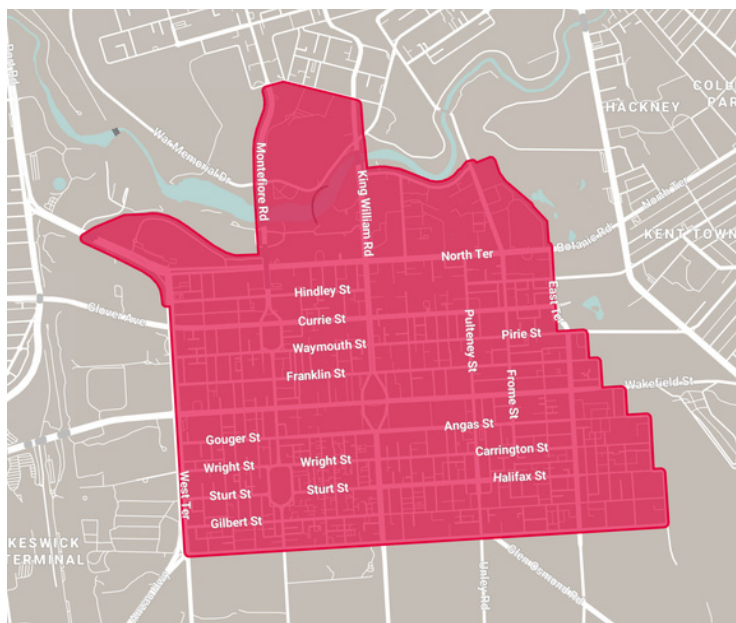
MGA ZONE 54

## ARCHIVES

2016



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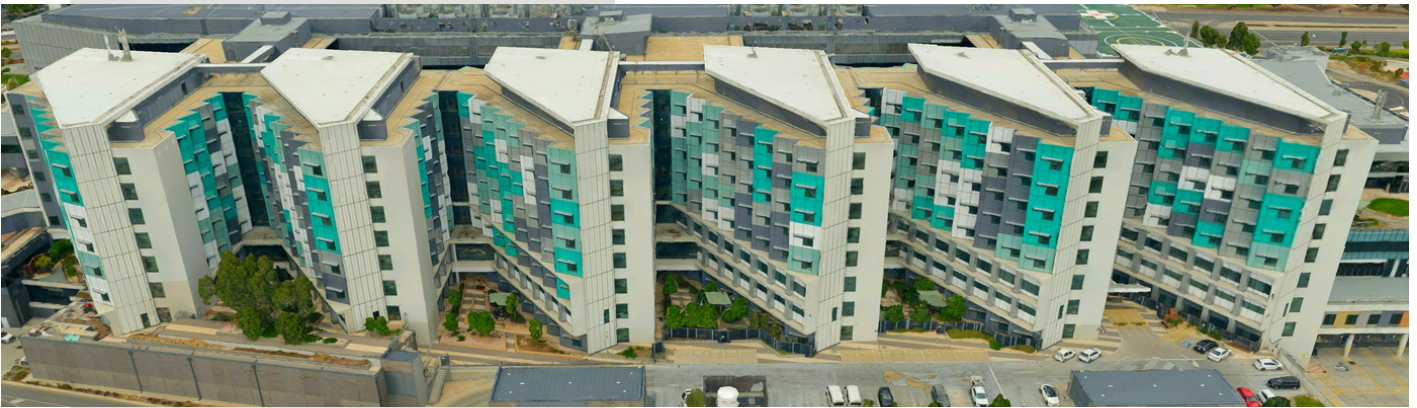
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# ADELAIDE - NORTH TERRACE

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

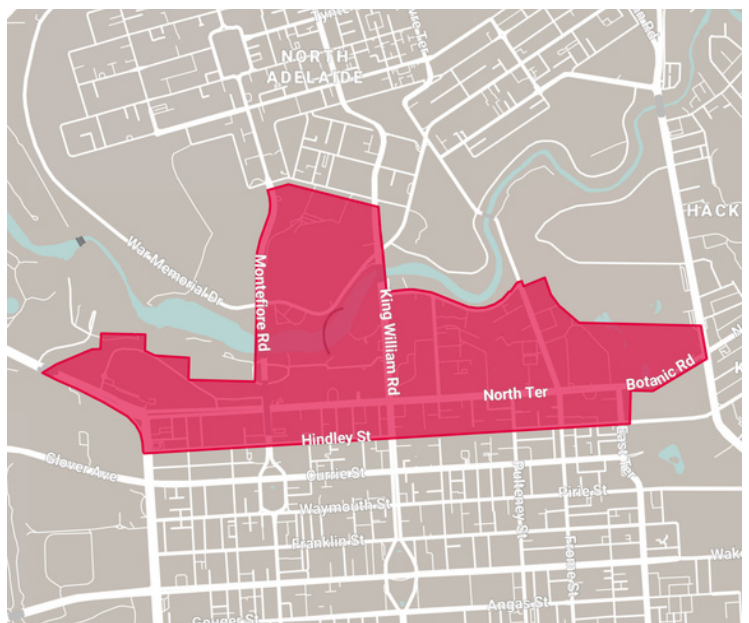
Vertical - AHD

## PROJECTIONS

MGA ZONE 54



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# CANBERRA

STANDARD RES - 7.5CM MODEL



## CAPTURED

May 2023

## CAPTURED AREA

120 sq km

## RESOLUTION

7.5cm GSD

## ACCURACY

Absolute Accuracy (XYZ)

25cm

## GEODETIC DATUM

Horizontal - GDA2020

Vertical - AHD

## PROJECTIONS

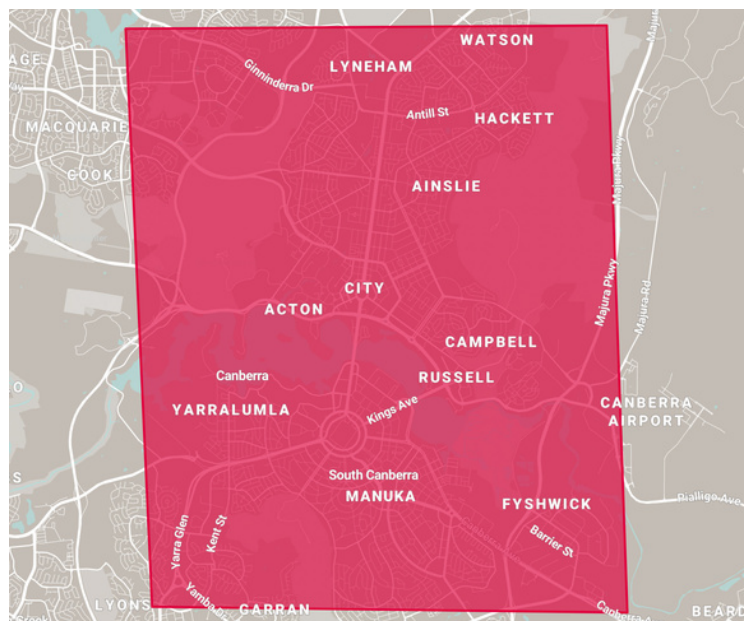
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## ARCHIVES

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

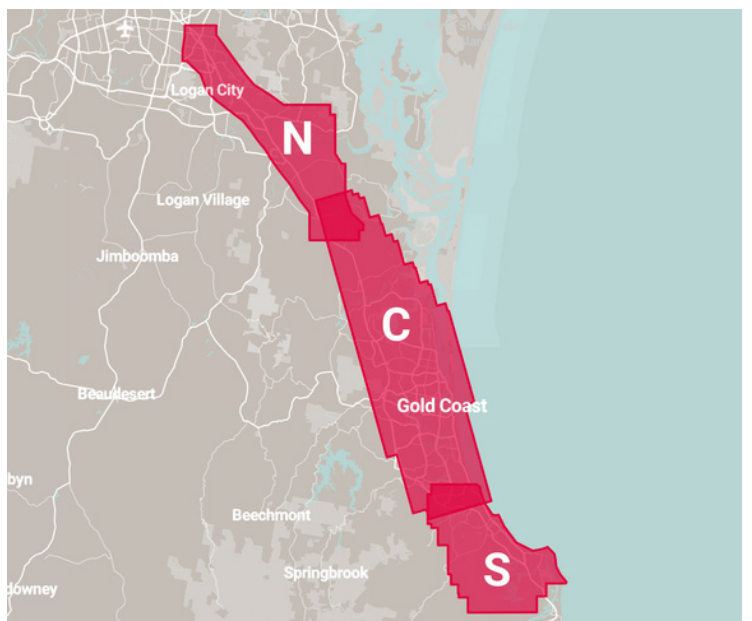
Horizontal - GDA2020  
Vertical - AHD

## 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

## GEODETTIC DATUM

Horizontal - GDA2020

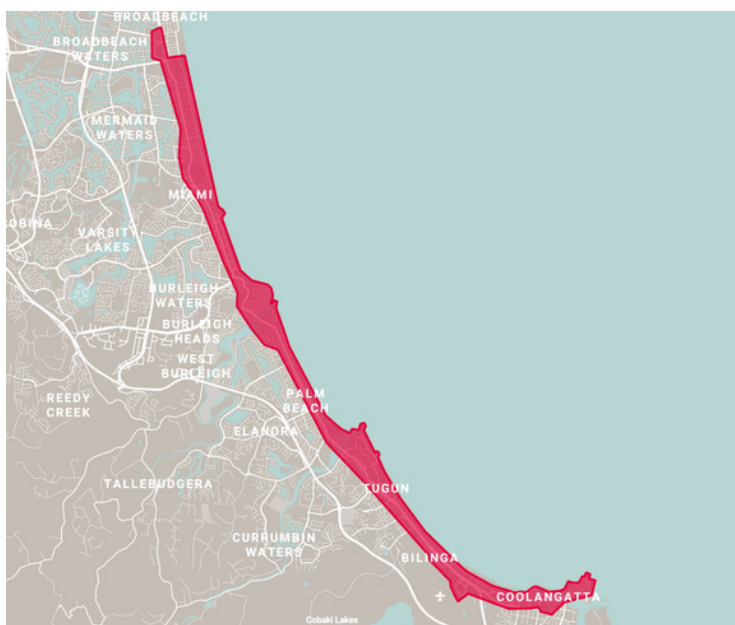
Vertical - AHD

## PROJECTIONS

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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

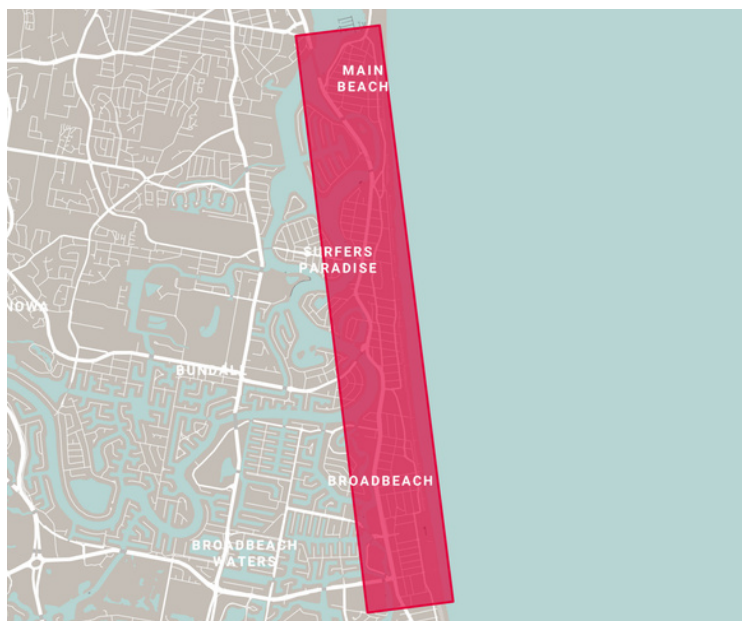
Vertical - AHD

## PROJECTIONS

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# AUCKLAND

HIGH RES - 5CM MODEL



## CAPTURED

February 2020

## CAPTURED AREA

9.2 sq km

## RESOLUTION

5cm GSD

## ACCURACY

Absolute Accuracy (XYZ)

25cm

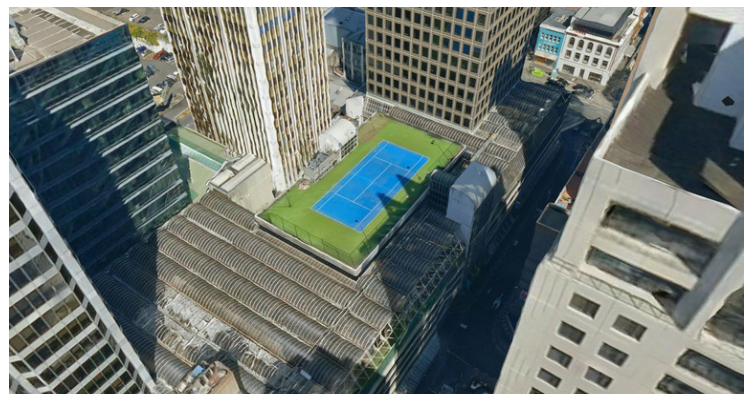
## GEODETIC DATUM

Horizontal - NZ2000

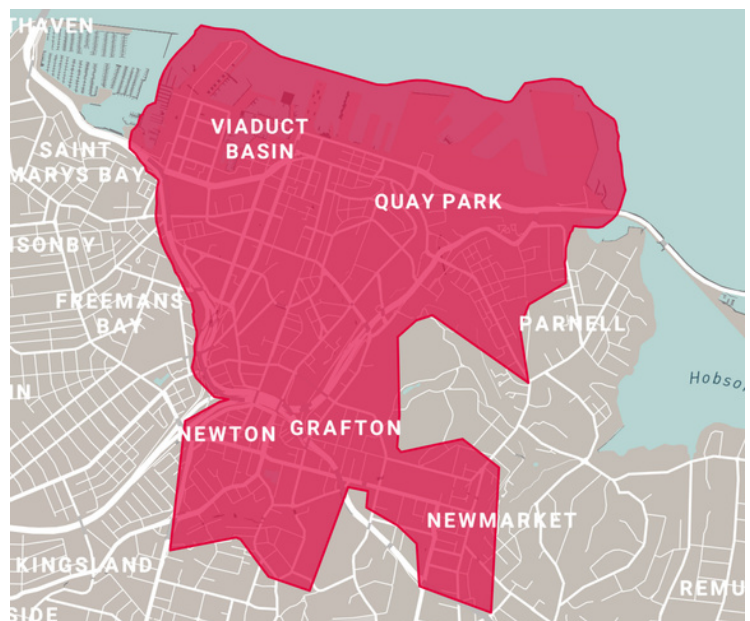
Vertical - EGM96

## 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

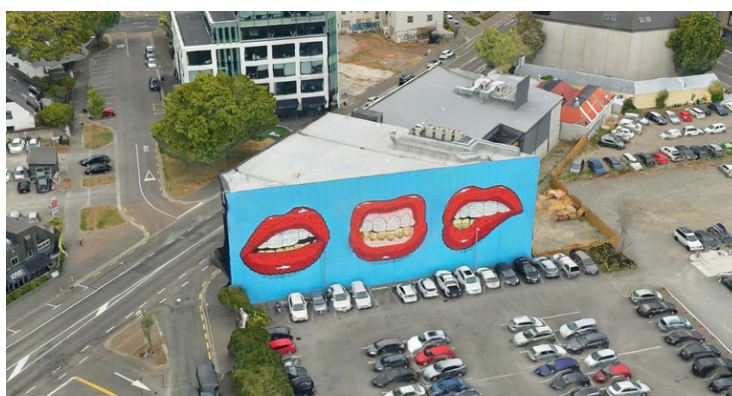
## GEODETIC DATUM

Horizontal - NZ2000

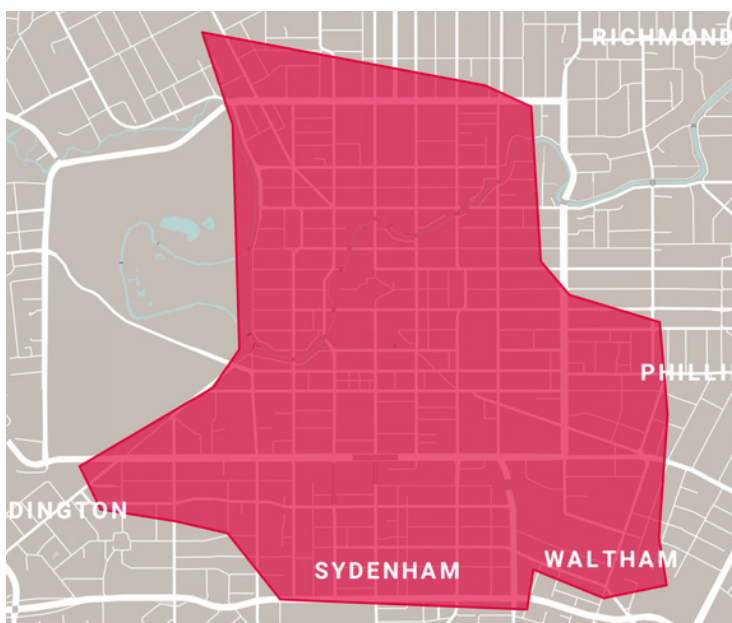
Vertical - EGM96

## 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

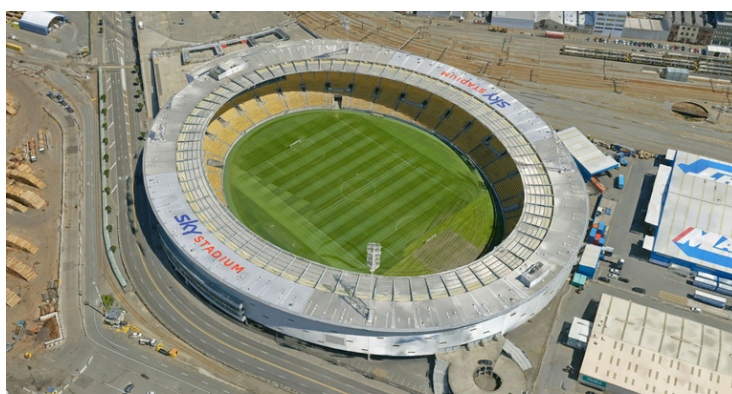
## GEODETIC DATUM

Horizontal - NZ2000

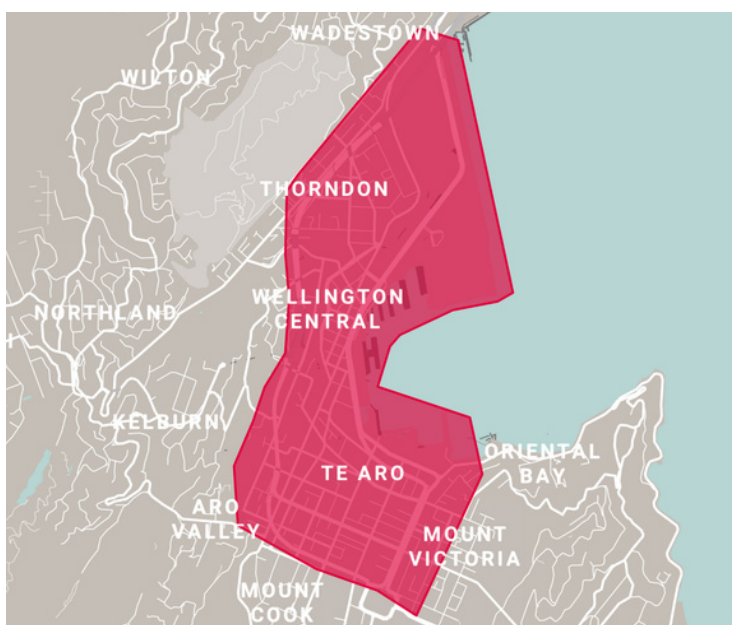
Vertical - EGM96

## PROJECTIONS

NZ2000



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