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## Elevation - Adelaide Metro LiDAR 2022

|                        |                                       |
|------------------------|---------------------------------------|
| Dataset Number         | 2667                                  |
| Dataset Title          | Elevation - Adelaide Metro LiDAR 2022 |
| Status                 | Published                             |
| Metadata Maintained by | DEW INFO                              |

### Description

|                               |  |
|-------------------------------|--|
| Category                      | Imagery  |
| Theme                         | Aerial Photography   |
| Keywords and Qualifiers       |  |
| Dataset Type                  | Spatial  |
| Description                   | LiDAR (Light Detection And Ranging) precision elevation data and derived products was captured over the Adelaide metropolitan coastline, SA. |
| Dataset Use                   | Various  |
| SDE Feature Class Name        | AdelaideMetroLiDAR_21-31Jan2022_DEM_50cm_MGA54   |
| Projection/ Coordinate System | UTM (MGA Zone 54)  |

Custodian

Data Authority

|                        |  |
|------------------------|--|
| Data Authority         | Department for Environment and Water           |
| Data Authority Name    | Matt Royal                                     |
|                        | Manager - Geographic and Corporate Information |
| Data Manager           | Matt Royal                                     |
|                        | Manager - Geographic and Corporate Information |
|                        | Department for Environment and Water           |
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| Subject Matter Expert  | James Cameron                                  |
|                        | Coordinator, Image Data                        |
|                        | Department for Environment and Water           |
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| Data Integrity Officer | James Cameron                                  |
|                        | Coordinator, Image Data                        |
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|                        | 8463 3944                                      |

Data Provider

|               |                                      |
|---------------|--------------------------------------|
| Data Provider | Department for Environment and Water |
|---------------|--------------------------------------|

## Data Quality

|                        |  |
|------------------------|--|
| Lineage                | <p>Full waveform LiDAR data in LAS 1.4 format was acquired using a Riegl VQ-1560 II-S LiDAR sensor over the Adelaide metropolitan area, South Australia with a nominal Average Point Spacings of approximately 15 pts per sqm captured over nine sessions between 21 - 31/1/2022.</p> <p>Derived products from the LiDAR data include: Classified Point Cloud, Digital Terrain Model / Bare Earth Elevation Model, Digital Surface Model, Canopy Height Model (all veg, &gt;=2m, &gt;=3m), Foliage Cover Model and Intensity imagery with 50cm spacings, and Contours, Building Footprints and tree extents polygon based on all vegetation &gt;=3m.</p> <p>All data was captured by RPS Australia East Pty Ltd.</p> |
| Completeness           | Total coverage of designated area has been complete. Verification is true as per date of acquisition.  |
| Positional Accuracy    | LiDAR Vertical accuracy: +/-4.2cm (95% confidence interval). Vertical datum: AHD (Ausgeoid2020).   |
| Method / Capture Scale |  |

## Tables

| Table Name                            |
|---------------------------------------|
| Elevation - Adelaide Metro LiDAR 2022 |

## Field Description

| Table                                 | Name | Field Alias | Data Type      | % Complete | % Accuracy | Description     |
|---------------------------------------|------|-------------|----------------|------------|------------|-----------------|
| Elevation - Adelaide Metro LiDAR 2022 | -    |             | Floating Point |            |            | LiDAR (LAS 1.4) |

## Geographic Extent

|                          |   |
|--------------------------|---|
| Extent Name              | Adelaide (& Outer) Statistical Division |
| Min Easting or Longitude | 138.443                                 |
| Min Northing or Latitude | -35.362                                 |
| Max Easting or Longitude | 138.843                                 |
| Max Northing or Latitude | -34.569                                 |

## Dataset Status

|                           |  |
|---------------------------|--|
| Initially Acquired        | 21-JAN-2022                                |
| Last Updated              | 31-JAN-2022                                |
| Update Frequency          | As required                                |
| Maintenance Method        | Not maintained- New data added as required |
| Metadata Created          | 16-AUG-2022                                |
| If copied, source dataset |  |
| Metadata updated          | 16/AUG/22 env\jcameron                     |
| Authorised                | 16/AUG/22 env\jcameron                     |
| Metadata Retired          |  |

## Security Classification

|  |                           |
|--|---------------------------|
| Classification                               | FOUO                      |
| Integrity                                    | I2 - MODERATE Requirement |
| Availability                                 | A2 - MODERATE Requirement |
| Licensing Classification                     | Not yet determined        |
| Attribution                                  |                           |
| Further considerations for supply of dataset | No                        |

## Operator Notes

Related Datasets and  
Associated Products

This Metadata document has been delivered by the Location Metadata System (LMS) developed by Location SA.

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