

# Waikato - Huntly LiDAR Index Tiles (2015-2019)

## Metadata

### File Identifier

35af2239-df6e-4710-db5f-ce118a47ace6

### Language

eng

### Character Set

#### Character Set Code

utf8

### Hierarchy Level

#### Scope Code

dataset

### Hierarchy Level Name

dataset

## Contact

### Responsible Party

#### Organisation Name

Toitū Te Whenua Land Information New Zealand

#### Position Name

Lidar Coordination Manager

### Contact Info

#### Contact

##### Phone

###### Telephone

###### Voice

04 4600110

##### Address

###### Address

###### Delivery Point

155 The Terrace

###### City

Wellington

###### Postal Code

6145

###### Country

New Zealand

###### Electronic Mail Address

customersupport@linz.govt.nz

### Role

#### Role Code

pointOfContact

#### Date Stamp

##### Date

2020-02-21

#### Metadata Standard Name

ANZLIC Metadata Profile: An Australian/New Zealand Profile of AS/NZS ISO 19115:2005, Geographic information - Metadata

#### Metadata Standard Version

1.1

#### Reference System Info

##### Reference System

##### Reference System Identifier

##### Identifier

##### Code

2193

#### Identification Info

##### Data Identification

##### Citation

##### Citation

##### Title

Waikato - Huntly LiDAR Index Tiles (2015-2019)

##### Date

#### Abstract

This layer contains the Index Tiles for LiDAR data in the Waikato Region surrounding Huntly, Port Waikato and other small areas captured between 2015 and 2019. - The DEM is available as layer [Waikato - Huntly LiDAR 1m DEM (2015-2019)](<https://data.linz.govt.nz/layer/104494>). - The DSM are available as layer [Waikato - Huntly LiDAR 1m DSM (2015-2019)](<https://data.linz.govt.nz/layer/104495>). - The LAS point cloud and vendor project reports are available from [OpenTopography](<https://portal.opentopography.org/datasets?loc=New%20Zealand>). LiDAR was captured for Waikato Regional Council by Aerial Surveys from 8 February 2015 to 24 January 2019. These datasets were generated by Aerial Surveys and their subcontractors. Data management and distribution is by Toitū Te Whenua Land Information New Zealand. Data comprises: - DEM: tif or asc tiles in NZTM2000 projection, tiled into a 1:1,000 tile layout - DSM: tif or asc tiles in NZTM2000 projection, tiled into a 1:1,000 tile layout - Point cloud: las tiles in NZTM2000 projection, tiled into a 1:1,000 tile layout Pulse density specification is at a minimum of >4 pulses/square metre. Vertical datum is NZVD2016.

#### Status

##### Progress Code

completed

#### Point Of Contact

##### Responsible Party

##### Organisation Name

Toitū Te Whenua Land Information New Zealand

##### Position Name

Lidar Coordination Manager

##### Contact Info

##### Contact

##### Phone

Telephone  
Voice  
04 4600110

Address  
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Delivery Point  
155 The Terrace  
City  
Wellington  
Postal Code  
6145  
Country  
New Zealand  
Electronic Mail Address  
customersupport@linz.govt.nz

Role  
Role Code  
pointOfContact

Resource Maintenance  
Maintenance Information  
Maintenance And Update Frequency  
Maintenance Frequency Code  
notPlanned

Resource Format  
Format  
Name  
\*.xml  
Version  
Unknown

Descriptive Keywords  
Keywords  
Keyword  
New Zealand  
Type  
Keyword Type Code  
theme

Thesaurus Name  
Citation  
Title  
ANZLIC Jurisdictions  
Date  
Edition  
Version 2.1

Edition Date

Date

2008-10-29

Identifier

Identifier

Code

<http://asdd.ga.gov.au/asdd/profileinfo/anzlic-jurisdic.xml#anzlic-jurisdic>

Cited Responsible Party

Responsible Party

Organisation Name

ANZLIC the Spatial Information Council

Role

Role Code

custodian

Resource Constraints

Security Constraints

Classification

Classification Code

unclassified

Resource Constraints

Legal Constraints

Use Limitation

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Restriction Code

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Following Attribution: "Sourced from the LINZ Data Service and licensed by Waikato Regional Council, for re-use under CC BY 4.0." For details see: <https://www.linz.govt.nz/data/licensing-and-using-data/attributing-elevation-or-aerial-imagery-data>

Use Constraints

Restriction Code

license

Spatial Representation Type Code

vector

Representative Fraction

Denominator

Integer

1000

Language

eng

Character Set

Character Set Code

utf8

Topic Category Code

elevation

Extent

EX\_ Extent

Geographic Element

EX\_ Geographic Description

Identifier

Authority

Citation

Title

ANZMet Lite Country codelist

Date

Edition

Version 1.0

Edition Date

Date

2009-03-31

Identifier

Identifier

Code

<http://asdd.ga.gov.au/asdd/profileinfo/anzlic-country.xml#Country>

Cited Responsible Party

Responsible Party

Organisation Name

ANZLIC the Spatial Information Council

Role

Role Code

custodian

Code

nzl

Extent

EX\_ Extent

Geographic Element

EX\_ Geographic Bounding Box

174.67980510259827175.64950721650942-37.59203402024273-37.19709849303593

Distribution Info

Distribution

Transfer Options

Digital Transfer Options

On Line

Online Resource

Linkage

URL

<https://data.linz.govt.nz/layer/104496-waikato-huntly-lidar-index-tiles-2015-2019/>

Data Quality Info

DQ\_ Data Quality

Scope

DQ\_ Scope

Level

Scope Code

dataset

Level Description

Scope Description

Other

dataset

Lineage

LI\_Lineage

Statement

Data Acquisition: Airborne Laser Scanner (ALS) data was acquired from a fixed wing aircraft from 8 February 2015 to 24 January 2019, using Aerial Surveys Optech Orion H300 LiDAR system. Please refer to survey reports for survey specifications. Data Processing: The LiDAR sensor positioning and orientation (POS) was determined using the collected GPS/IMU datasets and Applanix POSPac software. Please refer to survey reports for benchmark and base station information. The POS data was combined with the LiDAR range files and used to generate LIDAR point clouds in NZTM and ellipsoidal heights. This process was undertaken using Optech LMS LiDAR processing software. The data was checked for completeness of coverage. The relative fit of data in the overlap between strips was also checked. Please refer to survey reports for height accuracy summary statistics. The positional accuracy of the LiDAR data has been checked by overlaying Sounds Surveying Ltd surveyed data over the LiDAR data displayed coded by intensity. The data was found to fit well in position. The point cloud data was then classified with TerraSolid LiDAR processing software into ground and above ground returns using automated routines tailored to the project landcover and terrain. All product deliverables supplied in terms of NZTM map projection and NZVD2016 vertical datum. Classification of the point cloud followed the classification scheme below: 2 - Ground 14 - Above Ground Above\_Ground (14) points was reclassified by LINZ as Unassigned classification (1) before providing the classified point cloud data to Open Topography. LINZ also removed spikes from the Bare Earth Digital Elevation Model, found at tiles DEM\_BC33\_2015\_1000\_4227 DEM\_BC33\_2015\_1000\_4228 DEM\_BC33\_2015\_1000\_4326 DEM\_BC33\_2015\_1000\_4327 DEM\_BC33\_2015\_1000\_4328. Lakes and large rivers were hydroflattened in the Bare Earth Digital Elevation Model. The deliverables to LINZ were: 1m gridded bare earth digital elevation model (DEM) 1m gridded digital surface model (DSM) Classified point cloud

Metadata Constraints

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