

Bay of Plenty LiDAR 1m DSM (2018-2019)

Metadata

File Identifier

f71aa5d1-a2e6-7547-f265-a2e61f73183b

Language

eng

Character Set

Character Set Code

utf8

Hierarchy Level

Scope Code

series

Hierarchy Level Name

series

Contact

Responsible Party

Organisation Name

LINZ - 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

info@linz.govt.nz

Role

Role Code

pointOfContact

Date Stamp

Date

2020-12-15

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

Bay of Plenty LiDAR 1m DSM (2018-2019)

Date

Abstract

This layer contains the DSM for LiDAR data for Bay of Plenty captured between 2018 and 2019. - The DEM is available as layer [Bay of Plenty LiDAR 1m DEM (2018-2019)] (<https://data.linz.govt.nz/layer/104736>). - The index tiles are available as layer [Bay of Plenty LiDAR Index Tiles (2018-2019)] (<https://data.linz.govt.nz/layer/104742>). - The LAS point cloud and vendor project reports are available from [OpenTopography] (<https://portal.opentopography.org/datasets?loc=New%20Zealand>). LiDAR was captured for BOPLASS Limited by AAM New Zealand from 7 December 2018 to 13 April 2019. These datasets were generated by AAM New Zealand and their subcontractors. Data management and distribution is by 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 2 pulses/square metre. Vertical Accuracy Specification is +/- 0.2m (95%) Horizontal Accuracy Specification is +/- 1.0m (95%) Vertical datum is NZVD2016

Status

Progress Code

completed

Point Of Contact

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Role

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pointOfContact

Resource Maintenance

Maintenance Information

Maintenance And Update Frequency

Maintenance Frequency Code

notPlanned

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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Use Constraints

Restriction Code

copyright

Resource Constraints

Legal Constraints

Use Limitation

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Use Constraints

Restriction Code

license

Spatial Representation Type Code

grid

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

175.85313446177.303548758-38.4681680367-37.3872421875

Distribution Info

Distribution

Transfer Options

Digital Transfer Options

On Line

Online Resource

Linkage

URL

<https://data.linz.govt.nz/layer/104741-bay-of-plenty-lidar-1m-dsm-2018-2019/>

Data Quality Info

DQ _ Data Quality

Scope

DQ _ Scope

Level

Scope Code

series

Level Description

Scope Description

Other

series

Lineage

LI_Lineage Statement

Data Acquisition: Airborne Laser Scanner (ALS) data was acquired from a fixed wing aircraft on between 7th December 2018 to 13th April 2019 using AAM New Zealand's Optech Orion M300 LiDAR system and Riegl LMS Q780 LiDAR system. Please refer to survey reports for survey specifications. Airborne Laser Scanner (ALS) data was acquired from a fixed wing aircraft between 29th August to 28th September 2018 using AAM New Zealand's Optech Orion M300 LiDAR system and Riegl LMS Q780 LiDAR system. Classification of the point cloud followed the classification scheme below; 1 - Unclassified 2 - Ground 7 - Low Noise Points 9 - Water 18 - High points Data Processing: Reduction of the LiDAR data proceeded without any problems. Laser strikes were classified into default, ground, water and Low/high points using a single algorithm across the project area. Manual editing of the data classification was undertaken to further improve the quality of the ground class. Ground class has been classified to ICSM Level 2. Grid models were derived using a point to TIN and TIN to Raster process, using Linear interpolation. Hydro flattening was undertaken in area that met the size criteria for hydro flattening as per the LINZ DEM build specification New Zealand National Aerial LiDAR Base Specifications v1.1 - being non-tidal water bodies with surface area greater than 10,000 sq m, and non-tidal water courses greater than 30m nominal width. Data Validation: GNSS base station support was sourced from GeoNET CORS. Ground control was surveyed by Sounds Surveying to allow an assessment of the accuracy of the LiDAR data, and to assist in control for the imagery. No flights exceeding 6 hours, therefore the GNSS data has not been included. All base stations used were existing LINZ geodetic marks that are part of the GeoNET CORS system. 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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