

Bay of Plenty 0.125m Urban Aerial Photos (2010-2011)

Metadata

File Identifier

d43aedce-62ef-3a5a-29b5-02fda49e1f7f

Language

eng

Character Set

Character Set Code

utf8

Hierarchy Level

Scope Code

dataset

Hierarchy Level Name

dataset

Contact

Responsible Party

Organisation Name

LINZ - Land Information New Zealand

Position Name

National Imagery 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**

2014-03-21

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**

Bay of Plenty 0.125m Urban Aerial Photos (2010 - 2011)

Date**Abstract**

Orthophotography for BOPLASS ltd taken during 2010 and 2012. Coverage encompassed the urban areas within the wider Bay of Plenty. Imagery was captured for the 'Boplass ltd and Gisborne District Council' by NZ Aerial Mapping Ltd, 208 Warren Street, PO Box 6, Hastings 4156, New Zealand. The supplied imagery is in terms of New Zealand Transverse Mercator (NZTM) map projection. The products are tiled into NZTopo50 1:1,000 tiles. Please refer to the supplied tile layout shape file for specific details, naming conventions, etc. Imagery supplied as 12.5cm pixel resolution (0.125m GSD), 3-band (RGB) uncompressed GeoTIFF. The final spatial accuracy is +/-0.3m (@ 90% confidence). Index tiles for this dataset are available as layer [Bay of Plenty 0.125m Urban Aerial Photos Index Tiles (2010-2011)] (<http://data.linz.govt.nz/layer/1755>).

Status

Progress Code

completed

Point Of Contact

Responsible Party

Organisation Name

LINZ - Land Information New Zealand

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National Imagery Manager

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info@linz.govt.nz

Role

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pointOfContact

Resource Format

Format

Name

*.xml

Version

Unknown

Resource Constraints

Security Constraints

Classification

Classification Code

unclassified

Resource Constraints

Legal Constraints

Use Limitation

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Access Constraints

Restriction Code

copyright

Resource Constraints

Legal Constraints

Use Limitation

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Use Constraints

Restriction Code

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Resource Constraints

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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

imageryBaseMapsEarthCover

Extent

EX _ Extent

Geographic Element

EX _ Geographic Bounding Box

176.031146038177.148254763-38.4681680367-37.6205734291

Distribution Info

Distribution

Transfer Options

Digital Transfer Options

On Line

Online Resource

Linkage

URL

<https://data.linz.govt.nz/layer/51753-bay-of-plenty-0125m-urban-aerial-photos-2010-2011/>

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: The Aerial Photography over this area was acquired using the UCXp and UXC camera systems on the following dates: 29-Dec-10 19-Feb-11 10-Mar-11 11-Mar-11 12-Mar-11 29-Mar-11 30-Mar-11 1-Apr-11 The data was collected flying 1900 - 2100 metres above lowest ground. These settings were selected to create a dataset with 0.125mGSD. NZAM used a number of LINZ geodetic marks, Geosystems iBASE and NZAM geodetic marks for the collection of GPS basestation data during the aerial data acquisition. Detail of these will be provided in the final project report. Independent of the aerial survey work Opus International Consultants Limited surveyed a series of ground control points for use in the Aerial Triangulation of the raw images, and for QA of the final orthophotos. Data Processing: The

sensor positioning and orientation (POS) was determined using the acquired GPS/IMU datasets and Applanix POSpac software. This work was all undertaken in NZGD2000 geodetic reference system using the data collected at the LINZ geodetic reference marks for the differential processing. The POS data was combined with the ground control in Aerial Triangulation (AT) to georeference the raw photography in NZTM map projection. This process was undertaken using Microsoft's UltraMap AT and Leica's ORIMA software. AT data, raw images and processed LiDAR DTM data were supplied to the orthophoto production team for Orthophoto Generation. All subsequent data processing steps were undertaken using Inpho's OrthoVista, PCI and Socet Set processing software. The final orthophotos were checked for completeness of project coverage, general appearance and accuracy. The positional accuracy of the data has been checked by overlaying the Opus field surveyed features on the dataset. The data was found to fit well in position. The project specified positional accuracy of +/-0.3m (90% confidence) has been met.

Metadata Constraints

Legal Constraints

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