

Christchurch Post-Earthquake 0.1m Urban Aerial Photos Index Tiles (24 February 2011)

Metadata

File Identifier

9444845a-c2a2-3a61-2a96-cb5e420e1f18

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**

2014-04-16

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**

Christchurch Post-Earthquake 0.1m Urban Aerial Photos Index Tiles (24 February 2011)

Date**Abstract**

Index Tiles ONLY, for actual orthophotos see layer [Christchurch Post-Earthquake 0.1m Urban Aerial Photos (24 February 2011)](<http://data.linz.govt.nz/layer/1932>) Orthophotography of the area affected by the Christchurch Earthquake, 22 February 2011 for the Christchurch Response Centre (CRC). Imagery was captured by NZ Aerial Mapping Ltd, 208 Warren Street, PO Box 6, Hastings 4156, New Zealand to support the response to the 22 February 2011 earthquake in Canterbury. Data comprises:

- 1,785 x ortho-rectified RGB GeoTIFF images in NZTM projection, tiled into the LINZ Standard 1:1,000 tile layout
- Tile layout in NZTM projection containing relevant information. 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 10cm pixel resolution (0.1m GSD), 3-band (RGB) uncompressed GeoTIFF.

Status

Progress Code

completed

Point Of Contact

Responsible Party

Organisation Name

LINZ - Land Information New Zealand

Position Name

National Imagery Manager

Contact Info

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info@linz.govt.nz

Role

Role Code

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

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Use Constraints

Restriction Code

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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

imageryBaseMapsEarthCover

Extent

EX _ Extent

Geographic Element

EX _ Geographic Bounding Box

172.481951395172.994034091-43.8253921964-43.3318449867

Distribution Info

Distribution

Transfer Options

Digital Transfer Options

On Line

Online Resource

Linkage

URL

<https://data.linz.govt.nz/layer/51937-christchurch-post-earthquake-01m-urban-aerial-photos-index-tiles-24-february-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 Processing In order to expedite their production these orthophotos were produced using a number of shortcuts that would not be followed for a fully specified orthophoto project. While the orthophotos are fit for use by experienced geodata users they are not suitable for general distribution without a suitable disclaimer. The aerial photos position and orientation (POS) were determined using the POS observations collected at the GPS base

station and in the aircraft. This data was processed using NZGD2000 reference system. A coordinate for the base station was computed using single baseline processing and data supplied by to NZAM by GNS, from the GeoNet station MQZG. Given the magnitude of the earthquake it is likely that the location of MQZG has changed. However, as no information is available yet it had to be assumed that the coordinate for MQZG had not changed. For the orthophoto generation NZAM used DTM sourced from within our archive. This DTM was not edited or checked for change. Automated mosaic seam line placement was used during the orthophoto production. NZAM chose to use a simple 'most nadir 'algorithm for their placement. This selects the most central portion of each available photo and thereby helps minimise the amount of perspective view lean on buildings. The seam lines can be clearly seen on some of the photography. Data Supply The geodata is all in terms of New Zealand Transverse Mercator map projection. The Orthophotos are tiled into NZTopo50 1:1000 tiles and named using the convention NZTopo50PrimeAABB (e.g. BX0302). The orthophotos are supplied in GeoTIFF file format. Quality Exceptions The orthophotos have only had a cursory review. Given that the DTM was not updated and checked it is likely that the orthophotos will include areas where the imagery appears smeared or is out of position. While NZAM endeavoured to collect cloud free photography there is the odd puff of cloud and cloud shadow in the imagery. This would not be acceptable for a fully specified orthophoto project, but they do not significantly impact on the useability of the photography for the earthquake response work.

Metadata Constraints

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