

Canterbury - Waitaki 0.3m Rural Aerial Photos (2021)

Metadata

File Identifier

9ad84543-2b66-5ffc-9a43-4cece0e4d4a6

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

National Imagery Manager

Contact Info

Contact

Phone

Telephone

Voice

04 4600110

Address

Address

Delivery Point

155 The Terrace

City

Wellington

Postal Code

6011

Country

New Zealand

Electronic Mail Address

customersupport@linz.govt.nz

Role

Role Code

pointOfContact

Date Stamp

Date

2021-11-19

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

Canterbury - Waitaki 0.3m Rural Aerial Photos (2021)

Date

Abstract

Orthophotography within the Canterbury and Otago Regions captured in 2021. Coverage encompasses parts of Waitaki and Waimate Districts, including the lower reaches of the Waitaki river, the Hakataramea Valley, and coastal North Otago. Imagery was captured for Environment Canterbury by Landpro Ltd, 13 Pinot Noir Drive, Cromwell 9310, New Zealand. Data comprises:

- 933 ortho-rectified RGB GeoTIFF images in NZTM projection, tiled into the LINZ Standard 1:5000 tile layout
- Tile layout in NZTM projection containing relevant information. The supplied imagery is in terms of New Zealand Transverse Mercator (NZTM) map projection. Please refer to the tile index layer for specific details, naming conventions, etc. Imagery supplied as 30cm pixel resolution (0.3m GSD), 3-band (RGB) GeoTIFF. The final spatial accuracy is $\pm 2\text{m}$ at 90% confidence level in clear flat areas for tiles in the area of interest of the survey. This dataset includes some image tiles labelled as peripheral by the supplier, being imagery captured which was outside the area of interest of the survey. These peripheral tiles may contain artefacts from orthorectification, do not have a stated spatial accuracy, and may not be suitable for all purposes. See the index tile layer for details of which tiles are labelled as peripheral. Index tiles for this dataset are available as layer [Canterbury - Waitaki 0.3m Rural Aerial Photos Index Tiles (2021)] (<http://data.linz.govt.nz/layer/106768>)

Status

Progress Code

completed

Point Of Contact

Responsible Party

Organisation Name

Toitū Te Whenua 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

6011

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

Resource Constraints

Security Constraints

Classification

Classification Code

unclassified

Resource Constraints

Legal Constraints

Use Limitation

Copyright of this work is owned by Environment Canterbury © Environment Canterbury

Use Constraints

Restriction Code

copyright

Resource Constraints

Legal Constraints

Use Limitation

Released by Toitū Te Whenua Land Information New Zealand under Creative Commons Attribution 4.0 International (CC BY 4.0). Use with the following attribution: 'Sourced from the LINZ Data Service and licensed by Environment Canterbury for reuse 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

grid

Representative Fraction

Denominator

Integer

5000

Language

eng

Character Set

Character Set Code

utf8

Topic Category Code

imageryBaseMapsEarthCover

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

170.14074822763592171.20991859948842-45.65578458331363-44.25903641674067

Distribution Info

Distribution

Transfer Options

Digital Transfer Options

On Line

Online Resource

Linkage

URL

<https://data.linz.govt.nz/layer/106759-canterbury-waitaki-03m-rural-aerial-photos-2021/>

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: Camera: Imagery for this schedule was acquired using the Leica ADS100 line scanning camera with SH100 sensor head. The camera was fitted to a Leica PAV100 HP high performance gyro-stabilised mount. Flight Planning: Careful consideration was given during flight planning to geographic location, terrain, topographical characteristics of the area, acquisition efficiency, final output resolution and meeting the various requested orthophoto quality specifications. Environmental Specification: All imagery was captured without the presence of cloud or cloud shadow within the specified areas of interest. Rivers were captured during times of appropriate flow/stage height/rainfall restrictions as specified by the client. These criteria were set to avoid periods of high river flow (flooding), rather than to target abnormally low river flows. Ground Control: A total of 35 new ground control points were observed for use with the aerial triangulation and bundle adjustment in the schedule B area, and of the 92 new ground control points that fell within the schedule C area, 9 were selected and used in the aerial triangulation and bundle adjustment. Data from Global Survey's and LINZ CORS sites, along with several existing LINZ benchmarks, were used in Leica Infinity software to process and check the ground control. Data Processing: Map Projection and Datum: All spatial data for this project is supplied in the New Zealand Transverse Mercator (NZTM2000) projection in terms of the New Zealand Geodetic Datum 2000 (NZGD2000). Image Processing: Hexagon Geosystems Services India carried out Orthophoto production. Leica Xpro software along with the QS2 distributed processing environment and inbuilt Hexagon Image Manager and Quality Manager2 were used during relevant phases of production. Aerial Triangulation (AT): No abnormalities or complications were encountered during this phase. All aerial triangulations are carried out to ensure

accuracies in the region of 1xGSD value. This was achieved with adjusted RMS position residuals less than 30cm, ensuring excellent overall quality and spatial accuracy. Orthophoto production: Individual radiometric profiles were created and checked for each strip ensuring optimal results across the final ortho-mosaic. No complications were encountered during orthophoto generation, mosaicking and tiling. Various quality checks including accuracy, colour, contrast, sharpness, seamline positioning, refraction and generation artifacts were performed and found satisfactory on the final orthophoto tiles. Peripheral Imagery: The full extent of all captured imagery outside of the tiles covering the area of interest has been delivered. This imagery has been orthorectified with the same DEM used to generate the primary AOI orthophotos. As such, these DEMs may not cover the entire area of peripheral imagery and associated artefacts may be present.

Metadata Constraints

Legal Constraints

Use Limitation

Copyright is owned by Toitū Te Whenua Land Information New Zealand © LINZ

Use Constraints

Restriction Code

copyright

Metadata Constraints

Legal Constraints

Use Limitation

Released by Toitū Te Whenua Land Information New Zealand under Creative Commons Attribution 4.0 International (CC BY 4.0). Use with the following attribution: "Sourced from the LINZ Data Service and licensed for reuse under CC BY 4.0" For details see <https://www.linz.govt.nz/data/licensing-and-using-data/attributing-linz-data>

Use Constraints

Restriction Code

license