

NZ Kaikoura Earthquake (14 Nov 2016) Geodetic Marks

Metadata

File Identifier

| 38799122-c657-1692-152d-6ee1238e10f2

Language

| eng

Character Set

Character Set Code

| utf8

Hierarchy Level

Scope Code

| dataset

Hierarchy Level Name

| dataset

Contact

Responsible Party

Individual Name

| omit

Organisation Name

| LINZ - Land Information New Zealand

Position Name

| Chief Geodesist - National Geodetic Office

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

| info@linz.govt.nz

Role

Role Code

| resourceProvider

Date Stamp

Date

| 2016-04-12

Metadata Standard Name

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

Metadata Standard Version

Reference System Info**Reference System****Reference System Identifier****Identifier****Code**

2193

Identification Info**Data Identification****Citation****Citation****Title**

NZ Kaikoura Earthquake (14 Nov 2016) Geodetic Marks

Date**Date****Abstract**

****For further information about this dataset, see [the Kaikoura earthquake information] (<http://www.linz.govt.nz/land/surveying/canterbury-earthquakes/geodetic-survey-control-network/kaikoura-earthquake-%E2%80%9314-november-2016>).** It is likely that many of these coordinates will be updated multiple times as marks move due to aftershocks and ongoing post-seismic deformation. It is therefore critical that the ****datum version**** and ****coordinate epoch**** date are recorded with any coordinates sourced from this dataset, along with the date the coordinates were accessed or downloaded. These coordinates are computed from Continuously Operating Reference Station (CORS) data and geodetic surveys undertaken after the 14 November 2016 Kaikoura earthquake. They reflect earthquake movements up until the epoch date that is associated with each coordinate. Where possible, coordinates sourced from this dataset for use as control or calibration points in a project should be at the same or similar epochs. If not, post-seismic deformation may mean that new observations or coordinates do not fit well with these coordinates. Coordinates used as control or calibration points should also be well-distributed over the project area, so that any discrepancies resulting from the survey date being significantly different from the coordinate epoch date can be identified. If such discrepancies are identified, it may be necessary to use the [LINZ PositionNZ-PP online processing service] (<http://www.linz.govt.nz/positionzpp>) to generate control coordinates at the same (or nearly the same) epoch as the survey date. Coordinates were calculated using SNAP v2.5.48. The origin of non-CORS coordinates is PositionNZ CORS that have been updated to include earthquake movements. The 95% confidence interval uncertainties of coordinates are 0.02m horizontally and 0.03m vertically, relative to the PositionNZ network, at the epoch specified. In areas experiencing significant ongoing seismic activity, coordinates at the same mark at other epochs may differ by more than these uncertainties. These coordinates are suitable for use in surveys and other geospatial positioning activities in the area impacted by the Kaikoura earthquake.

Purpose

To support the geospatial positioning activities in parts of New Zealand impacted by the Kaikoura earthquake.

Status**Progress Code**

onGoing

Point Of Contact**Responsible Party****Individual Name**

omit

Organisation Name

LINZ - Land Information New Zealand

Position Name

Chief Geodesist - National Geodetic Office

Contact Info**Contact****Phone****Telephone**

Voice

0800 665 463 or +64 4 460 0110

Facsimile

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155 The Terrace

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Wellington

Postal Code

6011

Country

New Zealand

Electronic Mail Address

info@linz.govt.nz

Role

Role Code

pointOfContact

Resource Maintenance

Maintenance Information

Maintenance And Update Frequency

Maintenance Frequency Code

asNeeded

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

Descriptive Keywords

Keywords

Keyword
LAND-Geodesy

Keyword
HAZARDS-Earthquake

Keyword
LAND-Cadastre

Type
Keyword Type Code
theme

Thesaurus Name

Citation

Title
ANZLIC Search Words

Date

Edition
Version 2.1

Edition Date
Date
2008-05-16

Identifier
Identifier
Code
<http://asdd.ga.gov.au/asdd/profileinfo/anzlic-theme.xml#anzlic-theme>

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

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Use Constraints

Restriction Code

license

Spatial Representation Type Code

textTable

Language

eng

Character Set

Character Set Code

utf8

Topic Category Code

location

Extent

EX_ Extent

Geographic Element

EX_ Geographic Bounding Box

166.472671295-175.631221-46.585064421-35.068932937

Distribution Info

Distribution

Transfer Options

Digital Transfer Options

On Line

Online Resource

Linkage

URL

<https://data.linz.govt.nz/layer/53527-nz-kaikoura-earthquake-14-nov-2016-geodetic-marks/>

Data Quality Info

DQ_ Data Quality

Scope

DQ_ Scope

Level

Scope Code

dataset

Level Description

Scope Description

Other

dataset

Lineage

LI_ Lineage

Statement

The uncertainties are 0.02m horizontally and 0.03m vertically at a 95% confidence level. Coordinates derived from geodetic surveys carried out to Order 4 and 5 standards, as well as 24-hour Continuously Operating GNSS Station (CORS) data. This layer will be updated as further geodetic data becomes available, until such time as the Geodetic Database is updated.

Metadata Constraints

Security Constraints

Classification

Classification Code

unclassified

Metadata Constraints

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