NZ Quasigeoid 2016

- Metadata
  - File Identifier
    - e8ba8148-6e22-0428-68f2-f3b0f360a336
  - 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
        - 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

author

Date Stamp
Date
2016-08-04

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
4167

Identification Info
Data Identification
Citation
Citation
Title
NZ Quasigeoid 2016

Alternate Title
NZGeoid2016

Date

Date

Date

Abstract
The relationship between the GRS80 ellipsoid and the New Zealand Vertical Datum 2016 (NZVD2016) is modelled by the New Zealand Quasigeoid 2016 (NZGeoid2016). The relationship value is represented by the attribute “N”, in metres. This relationship and NZVD2016 is formally defined in the LINZ standard [LINZS25009](http://www.linz.govt.nz/regulatory/25009). NZGeoid2016 can be used to convert New Zealand Geodetic Datum 2000 (NZGD2000) ellipsoidal heights to NZVD2016 normal-orthometric heights. The conversion value is represented by the attribute “N”, in metres. NZGeoid2016 is published on a one arc-minute grid (approximately 1.8 kilometres) over the New Zealand continental shelf (160° E to 170° W, 25° S to 60° S). NZGeoid2016 was calculated by enhancing the EIGEN-6C4 global gravity model with, terrestrial, ship-track, satellite and airborne gravity data. GPS-levelling observations were not used to compute NZGeoid2016. **Users may also be interested in transforming heights to any of the 13 historic local vertical datums used in New Zealand using the appropriate datum relationship grid displayed in the [NZ Height Conversion Index](http://data.linz.govt.nz/layer/3419).** More information on these transformations is available [on the LINZ website] (http://www.linz.govt.nz/data/geodetic-services/coordinate-conversion/converting-between-nzvd2016-nzgd2000-and-local-vertical-datums).

Purpose
The New Zealand Geoid 2016 (NZGeoid2016) is the reference surface for the New Zealand Vertical Datum 2016 (NZVD2016).

Status

Progress Code
completed

Point Of Contact
Responsible Party
Organisation Name
LINZ - Land Information New Zealand

Position Name
Chief Geodesist - National Geodetic Office

Contact Info
Contact
Phone
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0800 665 463 or +64 4 460 0110

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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
notPlanned

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
      - LAND-Cadastre
    - Keyword
      - LAND-Topography
    - 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

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Use Constraints
Restriction Code
license

Spatial Representation Type Code

grid

0.0166666666

Language

eng

Character Set

Character Set Code

utf8

Topic Category Code

location

Extent

EX _ Extent

Geographic Element

EX _ Geographic Bounding Box

159.991666667-169.991666667-60.0083333333-24.9916666667

Distribution Info

Distribution

Transfer Options

Digital Transfer Options

On Line

Online Resource

Linkage

URL

https://data.linz.govt.nz/layer/53418-nz-quasigeoid-2016/

Data Quality Info

DQ _ Data Quality

Scope

DQ _ Scope

Level

Scope Code

dataset

Level Description

Scope Description

Other

dataset

Lineage

LI _ Lineage

Statement

From June 2016 NZVD2016 has replaced New Zealand Vertical Datum 2009 as New Zealand’s official vertical datum. The reference surface for NZVD2016 is NZGeoid2016. NZGeoid2016 is published on a one arc-minute grid (approximately 1.8 kilometres) over the New Zealand continental shelf (160° E to 170° W, 25° S to 60° S). NZGeoid2016 was calculated by enhancing the EIGEN-6C4 global gravity model with, terrestrial, ship-track, satellite and airborne gravity data. GPS-levelling observations were not used to compute NZGeoid2016.

Metadata Constraints

Security Constraints

Classification

Classification Code

unclassified

Metadata Constraints

Legal Constraints

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