

# Auckland 1946 to NZGD2000 Conversion

## Metadata

### File Identifier

b120f8e4-74bc-edad-6dfb-1cde8de6128f

### 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**

2016-07-22

**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**

Auckland 1946 to NZGD2000 Conversion

**Alternate Title**

AUK46-NZGD2000

**Date****Date****Date****Abstract**

The AUK46-NZGD2000 grid enables the conversion of normal-orthometric heights from the Auckland 1946 local vertical datum directly to New Zealand Geodetic Datum 2000 (NZGD2000) ellipsoidal heights. AUK46-NZGD2000 is published on a one arc-minute grid (approximately 1.8 kilometres) extending over the benchmarks that nominally define the extent of the Auckland 1946 vertical datum (174.0° E to 176.2° E, 36.1° S to 38.0° S). The conversion value is represented by the attribute "delta", in metres. This grid is a combination of New Zealand Quasigeoid 2016 [NZGeoid2016](<https://data.linz.govt.nz/layer/3418>) and the [AUK46-NZVD2016] (<https://data.linz.govt.nz/layer/3417>) height conversion grid. Where NZGeoid2016 is

the reference surface for the New Zealand Vertical Datum 2016 (NZVD2016), while the AUK46-NZVD2016 grid models the difference between the Auckland 1946 vertical datum and NZVD2016 using the LINZ GPS-levelling marks. More information on converting heights between vertical datums can be found [on the LINZ website](<http://www.linz.govt.nz/data/geodetic-services/coordinate-conversion/converting-between-nzvd2016-nzgd2000-and-local-vertical-datums>).

## Purpose

The AUK46-NZGD2000 grid enables the conversion of normal-orthometric heights from the Auckland 1946 local vertical datum directly to New Zealand Geodetic Datum 2000 (NZGD2000) ellipsoidal heights.

## 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

##### Telephone

##### Voice

0800 665 463 or +64 4 460 0110

##### Facsimile

+64 4 472 2244

##### 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

pointOfContact

## Resource Maintenance

Maintenance Information

Maintenance And Update Frequency

Maintenance Frequency Code

unknown

Date Of Next Update

Date

2016

## 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-Cadaastre

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

**Resource Constraints**

**Legal Constraints**

**Use Limitation**

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**Use Constraints**

**Restriction Code**

copyright

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**Use Constraints**

**Restriction Code**

license

**Spatial Representation Type Code**

grid

0.016666666

**Language**

eng

**Character Set**

**Character Set Code**

utf8

## Topic Category Code

location

## Extent

EX \_ Extent

Geographic Element

EX \_ Geographic Bounding Box

174.0176.2-38.0-36.1

## Distribution Info

### Distribution

Transfer Options

Digital Transfer Options

On Line

Online Resource

Linkage

URL

<https://data.linz.govt.nz/layer/53416-auckland-1946-to-nzgd2000-conversion/>

## Data Quality Info

DQ \_ Data Quality

Scope

DQ \_ Scope

Level

Scope Code

dataset

Level Description

Scope Description

Other

dataset

## Lineage

LI \_ Lineage

Statement

**\*\*AUK46-NZGD2000 Version 20160627\*\*** This grid is a combination of New Zealand Quasigeoid 2016 [NZGeoid2016](<https://data.linz.govt.nz/layer/3418>) and the [AUK46-NZVD2016](<https://data.linz.govt.nz/layer/3417>) height conversion grid. AUK46-NZGD2000 is published on a one arc-minute grid (approximately 1.8 kilometres) extending over the benchmarks that nominally define the extent of the Auckland 1946 vertical datum (174.0° E to 176.2° E, 36.1° S to 38.0° S). The conversion value is represented by the attribute "delta", in metres.

## Metadata Constraints

Security Constraints

Classification

Classification Code

unclassified

## Metadata Constraints

### Legal Constraints

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