

# Auckland 1946 to NZVD2016 Conversion

## Metadata

### File Identifier

69cd81b1-6f7e-4713-e58e-f2efc8fd0652

### 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

2016-07-29

## 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 NZVD2016 Conversion

##### Alternate Title

AUK46-NZVD2016

##### Date

##### Date

##### Date

## Abstract

The AUK46-NZVD2016 grid enables the conversion of normal-orthometric heights from the Auckland 1946 local vertical datum to the New Zealand Vertical Datum 2016 (NZVD2016). The conversion value is represented by the attribute "O", in metres. This conversion and NZVD2016 are formally defined in the LINZ standard [LINZS25009](<http://www.linz.govt.nz/regulatory/25009>). AUK46-NZVD2016 is published on a two arc-minute grid (approximately 3.6 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 height conversion grid models the difference between the Auckland 1946 vertical datum and NZVD2016 using the LINZ GPS-levelling marks. From the GPS-levelling marks the expected accuracy of AUK46-NZVD2016 is better than 2 centimetres (95% Confidence interval). 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-NZVD2016 grid enables the conversion of normal-orthometric heights from the Auckland 1946 local vertical datum to 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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##### 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-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

**Resource Constraints**

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**Restriction Code**

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Use Constraints  
Restriction Code  
license

Spatial Representation Type Code  
grid  
0.0166666666666666  
Language  
eng

Character Set  
Character Set Code  
utf8

Topic Category Code  
location

Extent  
EX\_ Extent  
Geographic Element  
EX\_ Geographic Bounding Box  
174176.2-38.0-36.1

#### Distribution Info

Distribution  
Transfer Options  
Digital Transfer Options  
On Line  
Online Resource  
Linkage  
URL  
<https://data.linz.govt.nz/layer/53417-auckland-1946-to-nzvd2016-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-NZVD2016 version 20160627\*\* This height conversion grid supersedes the offset (0.34m) that was used with NZVD2009. AUK46-NZVD2016 is published on a two arc-minute grid (approximately 3.6 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. The height conversion grid models the difference between the Auckland 1946 vertical datum and NZVD2016 using the LINZ GPS-levelling marks. The input data has an average of 0.29m and range of 0.23m to 0.37m. From the GPS-levelling marks the expected accuracy of AUK46-NZVD2016 is better than 2 centimetres (95% Confidence interval).

#### Metadata Constraints

Security Constraints  
Classification  
Classification Code  
unclassified

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