

# One Tree Point 1964 to NZVD2016 Conversion

## Metadata

### File Identifier

7b54a567-7efc-6a06-cea0-4025a0f0c1e2

### 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**

One Tree Point 1964 to NZVD2016 Conversion

**Alternate Title**

OTP64-NZVD2016

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

The OTP64-NZVD2016 grid enables the conversion of normal-orthometric heights from the One Tree Point 1964 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>). OTP64-NZVD2016 is published on a two arc-minute grid (approximately 3.6 kilometres) extending over the benchmarks that nominally define the extent of the One Tree Point 1964 vertical datum (171.3° E to 174.4° E, 40.4° S to 42.7° S). The height conversion grid models the difference between the One Tree Point 1964 vertical datum and

NZVD2016 using the LINZ GPS-levelling marks. From the GPS-levelling marks the expected accuracy of OTP64-NZVD2016 is better than 1 centimetre (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 OTP64-NZVD2016 grid enables the conversion of normal-orthometric heights from the One Tree Point 1964 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

##### 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

Resource Constraints

Legal Constraints

Use Limitation

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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

172.6175.0-36.8-34.3

## Distribution Info

### Distribution

Transfer Options

Digital Transfer Options

On Line

Online Resource

Linkage

URL

<https://data.linz.govt.nz/layer/53440-one-tree-point-1964-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

**\*\*OTP64-NZVD2016 version 20160627\*\*** This height conversion grid supersedes the offset (0.06m) that was used with NZVD2009. OTP64-NZVD2016 is published on a two arc-minute grid (approximately 3.6 kilometres) extending over the benchmarks that nominally define the extent of the One Tree Point 1964 vertical datum (171.3° E to 174.4° E, 40.4° S to 42.7° S). The conversion value is represented by the attribute "delta", in metres. The height conversion grid models the difference between the One Tree Point 1964 vertical datum and NZVD2016 using the LINZ GPS-levelling marks. The input data has an average of 0.08m and range of -0.03m to 0.16m. From the GPS-levelling marks the expected accuracy of OTP64-NZVD2016 is better than 1 centimetre (95% Confidence interval).

## Metadata Constraints

Security Constraints

## Classification

### Classification Code

unclassified

## Metadata Constraints

### Legal Constraints

#### Use Limitation

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#### Use Constraints

##### Restriction Code

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