

# Wellington 1953 to NZGD2000 Conversion

Title  
Wellington 1953 to NZGD2000 Conversion

Creator  
LINZ - Land Information New Zealand

Date  
2016-06-27

Description  
The WGN53-NZGD2000 grid enables the conversion of normal-orthometric heights from the Wellington 1953 local vertical datum directly to New Zealand Geodetic Datum 2000 (NZGD2000) ellipsoidal heights. WGN53-NZGD2000 is published on a one arc-minute grid (approximately 1.8 kilometres) extending over the benchmarks that nominally define the extent of the Wellington 1953 vertical datum (174.4° E to 176.4° E, 39.1° S to 41.6° 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 [WGN53-NZVD2016] (<https://data.linz.govt.nz/layer/3446>) height conversion grid. Where NZGeoid2016 is the reference surface for the New Zealand Vertical Datum 2016 (NZVD2016), while the WGN53-NZVD2016 grid models the difference between the Wellington 1953 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>).

Source  
\*\*WGN53-NZGD2000 Version 20160627\*\* This grid is a combination of New Zealand Quasigeoid 2016 [NZGeoid2016] (<https://data.linz.govt.nz/layer/3418>) and the [WGN53-NZVD2016] (<https://data.linz.govt.nz/layer/3446>) height conversion grid. WGN53-NZGD2000 is published on a one arc-minute grid (approximately 1.8 kilometres) extending over the benchmarks that nominally define the extent of the Wellington 1953 vertical datum (174.4° E to 176.4° E, 39.1° S to 41.6° S). The conversion value is represented by the attribute "delta", in metres.

Coverage  
-41.6 174.4 -39.1 176.4

Identifier  
<https://data.linz.govt.nz/layer/53445-wellington-1953-to-nzgd2000-conversion/>

Type  
grid

Language  
eng

Subject  
New Zealand

Subject  
LAND-Geodesy

Subject  
LAND-Cadastre

Subject  
LAND-Topography

Subject  
location