

Stewart Island 1977 to NZGD2000 Conversion

Title

Stewart Island 1977 to NZGD2000 Conversion

Creator

LINZ - Land Information New Zealand

Date

2016-06-27

Description

The STI77-NZGD2000 grid enables the conversion of normal-orthometric heights from the Stewart Island 1977 local vertical datum directly to New Zealand Geodetic Datum 2000 (NZGD2000) ellipsoidal heights. STI77-NZGD2000 is published on a one arc-minute grid (approximately 1.8 kilometres) extending over the benchmarks that nominally define the extent of the Stewart Island 1977 vertical datum (167.2° E to 168.8° E, 46.5° S to 47.5° 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 [STI77-NZVD2016] (<https://data.linz.govt.nz/layer/3442>) height conversion grid. Where NZGeoid2016 is the reference surface for the New Zealand Vertical Datum 2016 (NZVD2016), while the STI77-NZVD2016 grid models the difference between the Stewart Island 1977 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

****STI77-NZGD2000 Version 20160627**** This grid is a combination of New Zealand Quasigeoid 2016 [NZGeoid2016] (<https://data.linz.govt.nz/layer/3418>) and the [STI77-NZVD2016] (<https://data.linz.govt.nz/layer/3442>) height conversion grid. STI77-NZGD2000 is published on a one arc-minute grid (approximately 1.8 kilometres) extending over the benchmarks that nominally define the extent of the Stewart Island 1977 vertical datum (167.2° E to 168.8° E, 46.5° S to 47.5° S). The conversion value is represented by the attribute “delta”, in metres.

Coverage

-47.5 167.2 -46.5 168.8

Identifier

<https://data.linz.govt.nz/layer/53441-stewart-island-1977-to-nzgd2000-conversion/>

Type

grid

Language

eng

Subject

New Zealand

Subject

LAND-Geodesy

Subject

| LAND-Cadastre
Subject
| LAND-Topography
Subject
| location