

Ruling on official vertical datums

LINZR65301

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| Purpose of ruling | This ruling specifies the official vertical datums approved by the Surveyor-General for use in cadastral surveys. Version 2.0 replaces NZVD2009 with NZVD2016 as an official vertical datum from 1 January 2019. |
| Related rules in Rules for Cadastral Survey 2010 | 4.3 Vertical datum |
| Terms and definitions | <p>As defined in rule 2 of the Rules for Cadastral Survey 2010 (Rules):</p> <ul style="list-style-type: none"> • 'Rules' means Rules for Cadastral Survey 2010, and • 'official vertical datum' means a vertical datum approved by the Surveyor-General and in force at the time of survey. |
| Official vertical datums | <p>The official vertical datums until 31 December 2018 are:</p> <ul style="list-style-type: none"> • New Zealand Vertical Datum 2009 (NZVD2009) • One Tree Point 1964 • Auckland 1946 • Moturiki 1953 • Gisborne 1926 • Napier 1962 • Taranaki 1970 • Wellington 1953 • Nelson 1955 • Lyttelton 1937 • Dunedin 1958 • Dunedin – Bluff 1960 • Bluff 1955 |

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Official vertical datums, cont.

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- Stewart Island 1977

NZVD2009 is defined in *LINZS25004: Standard for New Zealand Vertical Datum 2009*.

The official vertical datums from 1 January 2019 are:

- New Zealand Vertical Datum 2016 (NZVD2016)
- One Tree Point 1964
- Auckland 1946
- Moturiki 1953
- Gisborne 1926
- Napier 1962
- Taranaki 1970
- Wellington 1953
- Nelson 1955
- Lyttelton 1937
- Dunedin 1958
- Dunedin – Bluff 1960
- Bluff 1955
- Stewart Island 1977

NZVD2016 is defined in *LINZS25009: Standard for New Zealand Vertical Datum 2016*.

Alternative vertical datums

Where rule 4.3(b) applies, an official vertical datum may also be used instead of an alternative vertical datum or an assumed vertical datum.

Transitional Measure

An alternative or assumed datum that is permitted to be used under rule 4.3(b) prior to 1 January 2019 may continue to be used where a survey commenced before that date. In this case the survey report must confirm that the survey commenced before 1 January 2019.

This transitional measure is valid for the period from 1 January 2019 to 30 June 2019.

Related documents

[Rules for Cadastral Survey 2010](#)

LINZR65303: [Ruling on Vertical control marks](#)