

Topographic Data

In July 1996 the Department of Survey and Land Information was restructured and a new government department, Land Information New Zealand (LINZ) established. The mapping and surveying services were initially provided by a state owned enterprise Terralink New Zealand Ltd on LINZ's behalf, and since 1998, actively contracted out to private industry on contestable tender basis. LINZ rationalised the portfolio of government geospatial information to concentrate on topographic data for New Zealand's mainland and offshore islands, and later on hydrographic data for New Zealand, South Pacific and Antarctic waters. This information was maintained by contractors undertaking mapping and charting projects for LINZ.

In 2007 LINZ re-established a map production service in-house and embarked on re-building its digital topographic information. The release of the first Topographic (Topo) series in 2009 marked the completion of this process. Since then the digital topographic data is continuously maintained for New Zealand's mainland and Chatham Islands (NZTopo) at the 1:50,000 and 1:250,000 scale. In 2011 LINZ completed the development of topographic information for New Zealand's off-shore islands (NZOITopo), followed by Ross Dependency in Antarctica in 2012 (ANTTopo), and finally the South Pacific nations of Cook Islands, Niue and Tokelau in 2014 (PITopo). These datasets are now part of the regular maintenance programme. In 2012 LINZ released a provisional 1:500,000 topographic dataset for New Zealand, which is updated intermittently.

LINZ topographic databases are released at various temporal intervals, from several times a year for NZTopo50 to once every couple of years for say NZOITopo25. They contain geospatial information in the form of attributed point (e.g. spot heights or geographic names), line (e.g. roads or streams) and area (e.g. forests or lakes) features separated into individual layers based on a topographic schema. A complementary relief shading layer is also available for most datasets, except ANTTopo50 and a provisional NZTopo500.

The table overleaf lists all digital Topo series maintained by LINZ, providing their generic title, scale, and datasets available from this repository. The files are provided in Esri Shapefile format, with the relief layers available in a georeferenced TIF format.

For information about current Topo datasets, please refer to the LINZ website: <http://www.linz.govt.nz/>.

About Cartographic and Geospatial Resources Repository

This developing repository of map images initially focuses on maps and charts published by the New Zealand Lands and Survey Department (later called Department of Survey and Land Information, and now Land Information New Zealand) since the 1850s. They are classified into three distinct groups:

- New Zealand Mapping Service (NZMS) series maps and charts
- Land and Survey (L&S) series maps and charts
- Topographic (Topo) series maps

In addition, the repository contains digital topographic databases for New Zealand and its offshore islands, Cook Islands, Niue, Tokelau and Ross Dependency in Antarctica produced by Land Information New Zealand since 2011 onwards:

- **digital Topographic (Topo) data**

Dataset	Title	Scale	Release*	Notes
ANTTopo50	Topographic Map of Antarctica (Ross Dependency)	1:50,000	Sep 2012	
ANTTopo50	Topographic Map of Antarctica (Ross Dependency)	1:50,000	Dec 2013	
ANTTopo50	Topographic Map of Antarctica (Ross Dependency)	1:50,000	Oct 2014	
ANTTopo50	Topographic Map of Antarctica (Ross Dependency)	1:50,000	Mar 2019	
NZOITopo25	Topographic Map of New Zealand Off-shore Islands	1:25,000	Aug 2011	
NZOITopo25	Topographic Map of New Zealand Off-shore Islands	1:25,000	Oct 2011	<i>Bounty Islands only</i>
NZOITopo25	Topographic Map of New Zealand Off-shore Islands	1:25,000	Sep 2012	
NZOITopo25	Topographic Map of New Zealand Off-shore Islands	1:25,000	May 2014	<i>Snares Islands / Tini Heke only</i>
NZOITopo50	Topographic Map of New Zealand Off-shore Islands	1:50,000	Aug 2011	
NZOITopo50	Topographic Map of New Zealand Off-shore Islands	1:50,000	Oct 2011	
NZOITopo50	Topographic Map of New Zealand Off-shore Islands	1:50,000	Sep 2012	
NZOITopo50	Topographic Map of New Zealand Off-shore Islands	1:50,000	Oct 2013	<i>Campbell Island / Motu Ihupuku only</i>
NZOITopo50	Topographic Map of New Zealand Off-shore Islands	1:50,000	May 2014	<i>Auckland Islands only</i>
NZOITopo50	Topographic Map of New Zealand Off-shore Islands	1:50,000	May 2015	<i>Campbell Island / Motu Ihupuku only</i>
NZTopo50	Topographic Map of New Zealand**	1:50,000	Oct 2011	<i>New Zealand mainland only</i>
NZTopo50	Topographic Map of New Zealand	1:50,000	Sep 2012	
NZTopo50	Topographic Map of New Zealand	1:50,000	Dec 2012	<i>New Zealand mainland only</i>
NZTopo50	Topographic Map of New Zealand	1:50,000	Dec 2013	<i>New Zealand mainland only</i>
NZTopo50	Topographic Map of New Zealand	1:50,000	Dec 2014	<i>New Zealand mainland only</i>
NZTopo50	Topographic Map of New Zealand	1:50,000	Dec 2015	<i>New Zealand mainland only</i>
NZTopo50	Topographic Map of New Zealand	1:50,000	Oct 2016	<i>New Zealand mainland only</i>
NZTopo50	Topographic Map of New Zealand	1:50,000	Oct 2017	<i>New Zealand mainland only</i>
NZTopo50	Topographic Map of New Zealand	1:50,000	Jan 2018	<i>Chatham Islands only</i>
NZTopo50	Topographic Map of New Zealand	1:50,000	Dec 2018	<i>New Zealand mainland only</i>
NZTopo50	Topographic Map of New Zealand	1:50,000	Sep 2019	<i>New Zealand mainland only</i>
NZTopo50	Topographic Map of New Zealand	1:50,000	Sep 2020	<i>New Zealand mainland only</i>
NZTopo250	Topographic Map of New Zealand**	1:250,000	Apr 2011	
NZTopo250	Topographic Map of New Zealand	1:250,000	Sep 2012	
NZTopo250	Topographic Map of New Zealand	1:250,000	Oct 2014	
NZTopo250	Topographic Map of New Zealand	1:250,000	Dec 2015	<i>New Zealand mainland only</i>
NZTopo250	Topographic Map of New Zealand	1:250,000	Oct 2016	
NZTopo250	Topographic Map of New Zealand	1:250,000	Jul 2017	<i>New Zealand mainland only</i>
NZTopo250	Topographic Map of New Zealand	1:250,000	Jan 2018	<i>Chatham Islands only</i>
NZTopo250	Topographic Map of New Zealand	1:250,000	Mar 2019	<i>New Zealand mainland only</i>
NZTopo250	Topographic Map of New Zealand	1:250,000	Jan 2020	<i>New Zealand mainland only</i>
NZTopo500	Topographic Map of New Zealand (<i>Provisional</i>)	1:500,000	Sep 2012	
NZTopo500	Topographic Map of New Zealand (<i>Provisional</i>)	1:500,000	Apr 2018	
PITopo25	Topographic Map of Pacific Islands (Cook Islands and Tokelau)	1:25,000	Oct 2014	
PITopo50	Topographic Map of Pacific Islands (Cook Islands and Niue)	1:50,000	Oct 2014	

* **Release** - release dates refer to the datasets available from this repository.

** although NZTopo50 and NZTopo250 topographic data were released in 2009, the national seamless datasets were made available from 2011.