

QMAP

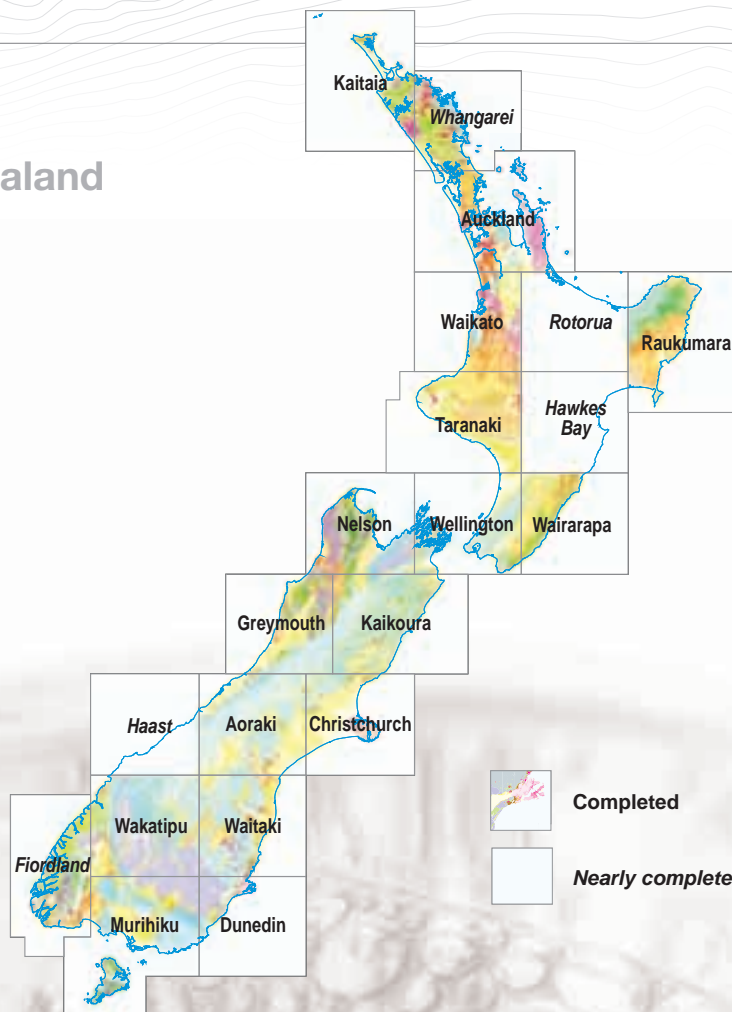
The 1:250,000 Geological Map of New Zealand

The QMAP Project, funded by the Foundation for Research, Science and Technology, is producing a modern geological map of New Zealand.

Data sources include published and unpublished maps, reports by exploration companies, data sets held by GNS Science, and work by university staff and students. Existing data is compiled at 1:50,000 and new mapping is undertaken where coverage is poor, or major advances likely. Point data is accurate at 1:50,000 but line work is simplified for publication at 1:250,000.

The maps are litho printed in full colour from the QMAP geographic information system (GIS), with ArcGIS the primary software. QMAP data are available in digital formats, and if required can be combined with other complementary digital data using GIS software.

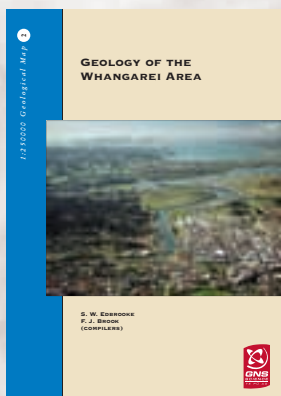
A full-colour illustrated book describing the geology, geomorphology, tectonic development, geological resources and geological hazards accompanies each map.



Completed



Nearly complete

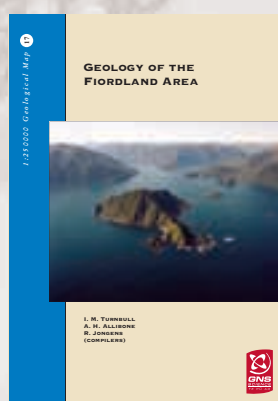


Whangarei

S.W. Edbrooke & F.J. Brook, 2009

\$35.00

This map illustrates the geology of the Whangarei area, which extends from northern Kaipara Harbour across central Northland to Whangaroa Harbour in the north, and includes the islands off the east coast. Late Paleozoic and Mesozoic basement rocks of the region comprise predominantly weakly metamorphosed greywacke of the Waipapa composite and Caples terranes. They are unconformably overlain by Late Paleogene, mainly marine sedimentary rocks. Most of the Cretaceous and Paleogene rocks in the map area are displaced sedimentary rocks and ocean floor volcanics, present in thrust-bounded units of the Northland Allochthon that were emplaced in the Early Miocene. Autochthonous Early Miocene sedimentary and volcanic rocks underlie and overlie the allochthonous rocks. Late Miocene and younger basaltic rocks are present locally and Pliocene to Holocene dune complexes are prominent on the west coast. Qm2



Fiordland

Turnbull, I.M., Allibone, A.H., Jongs, R. (compilers) 2010

\$35.00

This map illustrates the complex geology of the Fiordland area, from Martins Bay and the Hollyford valley in the north, to Solander Island in western Foveaux Strait. The geology of the Fiordland massif is dominated by Carboniferous to Cretaceous granitic and dioritic rocks of the Median Batholith, which intrude Early Paleozoic metasedimentary schists and gneisses. Cretaceous and Cenozoic sedimentary rocks are preserved in basins of eastern and southern Fiordland. Offshore faults, including the active Alpine Fault extending southwest from Milford Sound, are also shown on the map. Qm17

Digital Data

 Raster Image data available  Vector GIS data available

Scanned versions of published QMAP books and maps are available on CD. Books are stored in PDF format. Maps are provided as 8 and 24 bit georeferenced TIFF and high and low resolution MrSid images. These can be viewed in most GIS systems. Free viewer software is available for MrSid and PDF formats.

Vector GIS data for most of the QMAP maps are available on CD. These data are the geological layers, such as geological units, faults, and structural data in ESRI coverage and shapefile formats. The CDs contain ArcView and ArcMap projects with QMAP symbolisation. Free GIS viewing software (ArcReader) is included with the CD.



\$35.00 map & book **\$30.00** raster or vector CD

Other Sheets Available

Kaitaia

M.J. Isaac, 1996

The northern tip of New Zealand. **Qm1**



Wellington

J.G. Begg and M.R. Johnston, 2000

Northeastern South Island from Blenheim and the Marlborough Sounds, to the southwestern part of the North Island. **Qm10**



Christchurch

P.J. Forsyth, D.J.A. Barrell, R. Jongens, 2008

The geology of the Christchurch area, including Banks Peninsula and the The Chatham Islands. **Qm16**



Auckland

S.W. Edbrooke, 2001

The Auckland region including the northern Waikato, the Coromandel Peninsula and offshore islands. **Qm3**



Wairarapa

J.M. Lee and J.G. Begg, 2002

Part of the Wairarapa and Hawkes Bay regions, including the centres of Palmerston North and Masterton. **Qm11**



Wakatipu

I.M. Turnbull, 2000

Northern and Central Otago, and part of northern Southland. **Qm18**



Waikato

S.W. Edbrooke, 2005

The Waikato area south of Huntly to the King Country and northern Taranaki. **Qm4**



Greymouth

S. Nathan, M.S. Rattenbury and R.P. Suggate, 2002

Central West Coast of the South Island, including the centres of Westport, Greymouth, Hokitika and Ross. **Qm12**



Waitaki

J. Forsyth, 2001

The eastern part of north Otago and south Canterbury, and bisected by the Waitaki River. Includes Timaru and Oamaru, extending inland as far as Omarama. **Qm19**



Raukumara

C. Mazengarb and I.G. Speden, 2000

The Raukumara Peninsula area of the East Coast of the North Island. **Qm6**



Kaikoura

M.S. Rattenbury, D. Townsend and M.R. Johnston, 2006

East from Murchison to southern Marlborough, and south to Waikari in north Canterbury. **Qm13**



Murihiku

I.M. Turnbull and A.H. Allibone, 2003

From the lower Clutha River across Southland to the Waiau basin on the fringes of southern Fiordland, and south to Stewart Island (Rakiura). **Qm20**



Taranaki

D. Townsend, A. Vonk, P.J.J. Kamp, 2008

The geology of the Taranaki area, extending from the Taranaki Peninsula eastwards to Mt Ruapehu in the central North Island. **Qm7**



Aoraki

S.C. Cox and D.J.A. Barrell, 2007

Parts of South Westland and Canterbury that straddles the Alpine Fault; marking the active plate boundary along the western margin of the Southern Alps. **Qm15**



Dunedin

D.G. Bishop and I.M. Turnbull, 1996

From Dunedin southwest to the Catlins, and inland to Lawrence. **Qm21**



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