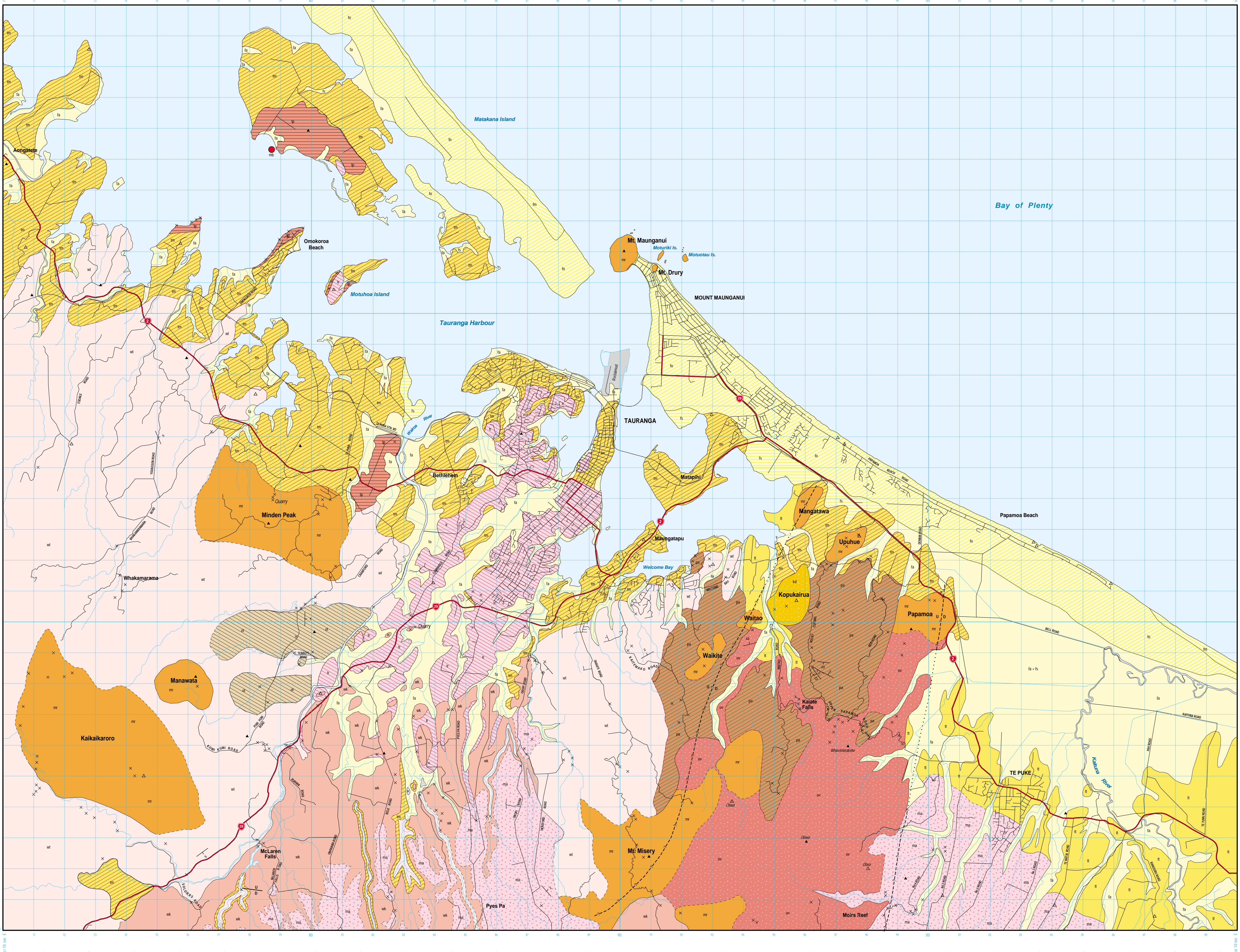
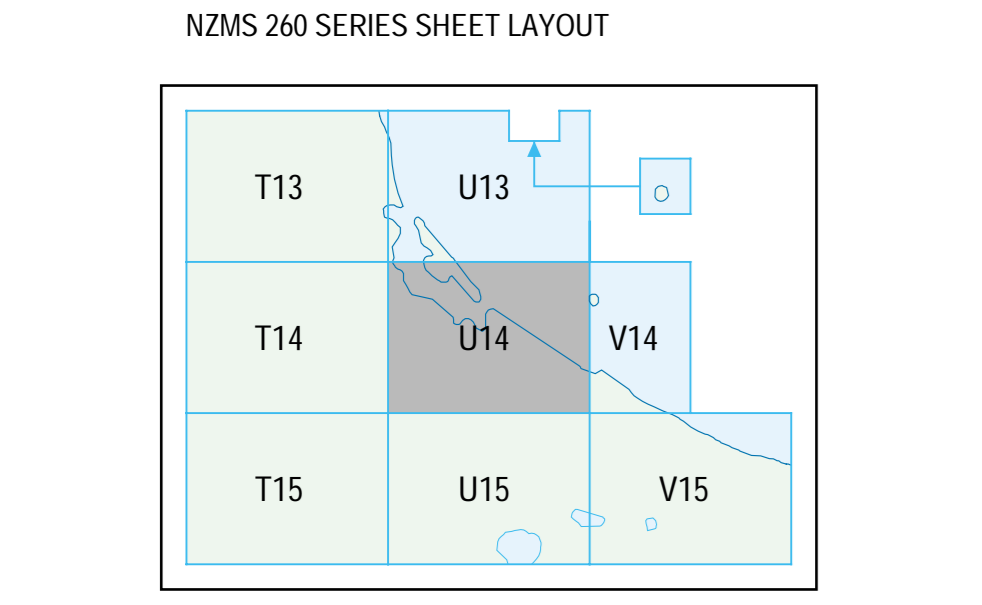


GEOLOGY OF THE TAURANGA AREA

GEOLOGICAL LEGEND

AGE	UNIT	DESCRIPTION
Holocene	ta	Sand, silt and gravel of modern streams
	ts	Flooded sand
	tm	Mucky dune sand
10 ka	ts	Pluvial
	ts	Fluvial terrace deposits post-dating the Hamilton Ash
Pleistocene	ts	Fluvial terrace deposits post-dating the Waikaremu Ignimbrite
	ts	Maori Saltpan terrace sands and gravels, spalls, volcanic sands, basaltic silt, Pihoro Topsoil
	ts	Manakau Ignimbrite: pale to grey, partially welded crystal-poor ignimbrite with sparse phase altered pumice
	ts	Waimakariri Ignimbrite: pale grey, partially welded pumice-rich ignimbrite with small to pale brown pumice containing plagioclase, quartz and hypersthene
	ts	To Rangia Ignimbrite: white to grey, non-welded crystal and pumice-poor ignimbrite containing small pumice-rich pumice, and lithics of andesite and rhyolite
	ts	To Puna Ignimbrite: light grey, partially welded crystal and pumice-rich ignimbrite with crystals of plagioclase, quartz and hornblende
	ts	Ongaiti Ignimbrite: white to grey, partially to densely welded crystal and pumice-rich ignimbrite with crystals of plagioclase, quartz, hornblende and hypersthene
1.8 Ma	ts	Paparoa Ignimbrite: buff to brown, partially welded crystal and pumice-rich ignimbrite with crystals of plagioclase, quartz, hornblende and hypersthene
	ts	Waikaremu Ignimbrite: grey to dark brown, non-welded to densely welded and lithoclastic crystal-poor ignimbrite with dark grey ventricular pumice and lithics of rhyolite and andesite
	ts	Kopukairua Dacite: cream to grey to pink, spherulitic and flow banded rhyolite with phenocrysts of plagioclase, quartz, hornblende and quartz, with some glass in the matrix
Pliocene	ts	Matakana Basalt: dark grey, porphyritic basalt lava with phenocrysts of plagioclase, hypersthene and olivine absent or subequal
	ts	Minden Rhyolite: cream to grey to pink, spherulitic and flow banded rhyolite lava with phenocrysts of plagioclase, quartz, hornblende, biotite and hypersthene
	ts	Clawa Volcanics: dark grey to medium grey, porphyritic andesite lava containing phenocrysts of plagioclase, hypersthene, hornblende, augite and minor quartz

Symbol	Description
—	Contact
---	Located accurately
- - -	Located approximately
U	Fault
U	Located accurately
D	Inferred
U	Concealed
.....	Features
sp	Bridging (dike & dip)
X	Outcrop
▲	Top Station - backcast
△	unbackcast



BIBLIOGRAPHIC REFERENCE

Biggs, R.M., Hall, G.J., Hamsworth, G.R., Hobbs, A.G., Houghton, B.F., Hughes, G.R., Morgan, M.D., Whitford Edwards, A.R.
 1996: *Geology of the Tauranga area*.
 Department of Earth Sciences, Occasional Report No. 22. University of Waikato, Hamilton.
 Published in collaboration with Environment B.O.P. and Tebbel's Geological & Nuclear Sciences Limited.

DISCLAIMER

This map shows an interpretation of the geology of the Tauranga area. The small scale of the map has necessitated the omission of some small features and suggestions of others in the interests of clarity. The map should not be used for building-site assessment, land-use planning, engineering projects, quarry operations, or any other work for which site-specific investigations should be made.

REPRODUCTION NOTICE

This map, or any portion of it, may not be reproduced without the express permission of the University of Waikato, Department of Earth Sciences. © Topographical information derived from DOSLI mapping. Digital licence number: CD0938047. Crown copyright reserved.

SCALE 1 : 50 000



This map is drawn on the New Zealand Map Grid Projection, a minimum error conformal projection. The grid is the New Zealand Map Grid, showing coordinates in metres in terms of the Geocentric Datum 1949, based on the International (Hayford) Spheroid.

