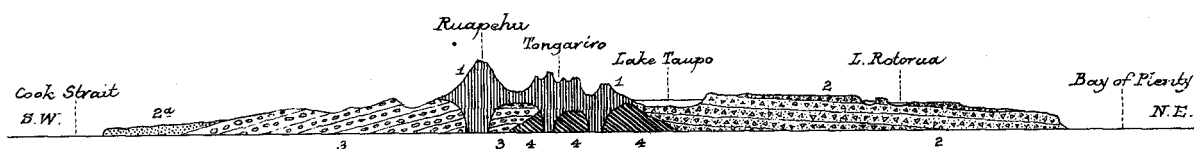


Section through the North Island. S.W. to N.E. (New Zealand. Hochstetter. p 379.)

As Dr. Hochstetter did not, in his journeyings, reach south of Tokaanu, his description of the lower grounds south of Tongariro and Ruapehu is almost necessarily imperfect. Succeeding examinations of the country have shown that the section should be represented thus:—



Section through the North Island.—Cook Strait to the Bay of Plenty.

1. Volcanic rocks of Ruapehu and Tongariro.
2. Volcanic rock, Lake Taupo to Bay of Plenty, consisting of Trachyte and Rhyolite floes, and fragmental pumice deposits.
- 2* Younger Pliocene. Marine strata, largely consisting of Pumice, & abundantly fossiliferous.
- 3 Miocene. Sediments containing no volcanic material.
4. Carboniferous, or Upper Devonian. Slates and sandstones, forming the western foot of the Kaimanawa Range, and appearing west of the Tongariro Range, and within the Wanganui watershed.

NOTE. There is no evidence of Miocene sediments anywhere within the Middle and Upper Waikato Watersheds, and the presence of a Palaeozoic barrier between the Tertiary sediments on the fall to Cook Strait, and the slope Lake Taupo to the Bay of Plenty is assumed on grounds sufficiently reasonable.

— Geological Sections by Alexr McKay. F.G.S. Govt Geologist. —

— To illustrate Report —

— on —

— THE PUMICE DEPOSITS OF THE NORTH ISLAND. —