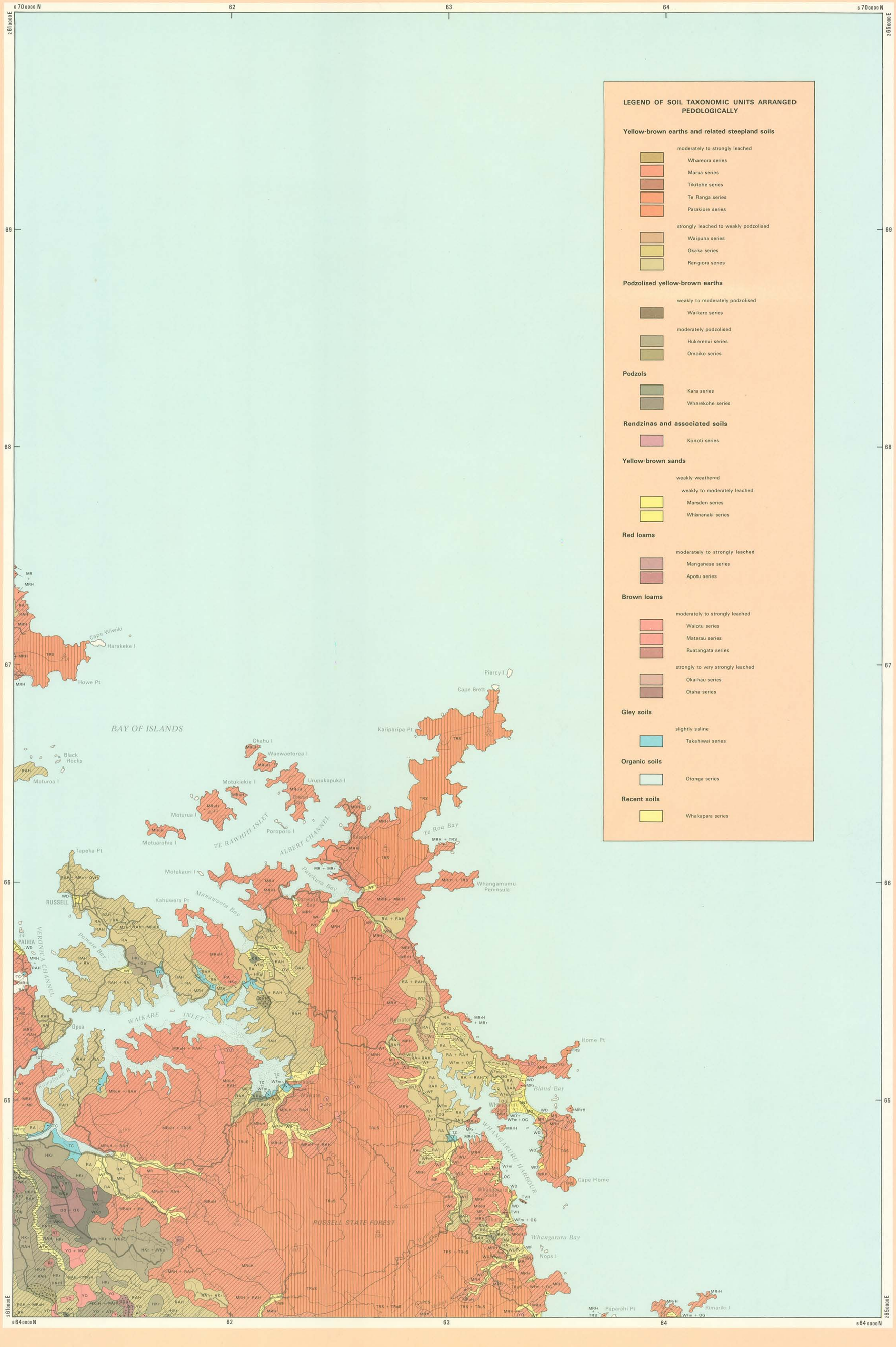
BAY OF ISLANDS



LEGEND OF SOIL TAXONOMIC UNITS ARRANGED PEDOLOGICALLY

Yellow-brown earths and related steepland soils

moderately to strongly leached
- Whareora series
- Marua series
- Tikitohe series
- Te Ranga series
- Parakiore series

strongly leached to weakly podzolised
- Waipuna series
- Okaka series
- Rangiora series

Podzolised yellow-brown earths

weakly to moderately podzolised
- Waikare series

moderately podzolised
- Hukerenui series
- Omaiko series

Podzols
- Kara series
- Wharekohe series

Rendzinas and associated soils
- Konoti series

Yellow-brown sands

weakly weathered

weakly to moderately leached
- Marsden series
- Whananaki series

Red loams

moderately to strongly leached
- Manganese series
- Apotu series

Brown loams

moderately to strongly leached
- Waiotu series
- Matarau series
- Ruatangata series

strongly to very strongly leached
- Okaihau series
- Otaha series

Gley soils

slightly saline
- Takahiwai series

Organic soils
- Otonga series

Recent soils
- Whakapara series

LEGEND OF SOIL MAPPING UNITS ARRANGED PHYSIOGRAPHICALLY

Soils of the Flood Plains

well to moderately well drained
- WF — Whakapara silt loam and clay loam

imperfectly to very poorly drained
- WFm — Whakapara mottled clay loam

Soils of the Estuarine Flats and Former Lake Beds

imperfectly to very poorly drained
- TC — Takahiwai clay

Soils of the Coastal Sand Dune Complex

excessively to somewhat excessively drained
- MD — Marsden sand
- WD — Whananaki sand

Soils of the Undulating Terraces and Lowlands

well to moderately well drained
- WO — Whareora clay loam

imperfectly to very poorly drained
- KRa — Kara sandy loam
- KR — Kara silt loam
- WU — Waipuna clay
- OG — Otonga peaty clay loam

Soils of the Rolling and Hilly Land

well to moderately well drained
- TRuS — Tikitohe gravelly silt loam
- MZH / MZ — Manganese silt loam
- YOH / YO — Waiotu friable clay
- RT — Ruatangata friable clay
- OK — Okaihau gravelly friable clay
- OKu — Okaihau gravelly friable clay with dull brown subsoil
- MRrH / MRr — Marua brown clay loam
- MRH / MR — Marua clay loam
- MRuH / MRu — Marua light brown clay loam
- OVH / OV — Omaiko gravelly silt loam
- AT — Apotu friable clay
- MC — Matarau friable clay

imperfectly to very poorly drained
- OD — Otaha clay
- ODg — Otaha gravelly clay loam
- RAH / RA — Rangiora clay, clay loam and silty clay loam
- RAI — Rangiora silty clay loam
- KNr — Konoti clay
- OA — Okaka clay and silty clay
- YK — Waikare silt loam
- HKu — Hukerenui gravelly silt loam
- HKrH / HKr — Hukerenui silt loam with yellow subsoil
- OVp — Omaiko gravelly silt loam with pan
- WKs — Wharekohe sandy loam
- WK — Wharekohe silt loam
- WKp — Wharekohe silt loam with pan

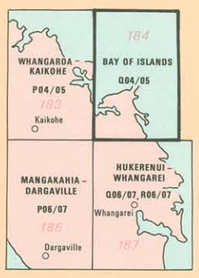
Soils of the Steep Land

well to moderately well drained
- TRS — Te Ranga steepland soils, clay loam and stony clay loam
- TRuS — Te Ranga steepland soils, light brown clay loam and stony clay loam
- PES — Parakiore steepland soils, stony clay loam
- Hill soils
- Steepland soils
- Mottled soils
- Gravelly soils
- AT — Soil boundary

Soil surveys by C.F.Sutherland, N.H.Taylor and A.C.S. Wright 1937–1951, compiled by J.E. Cox *et al.* 1978, all of Soil Bureau, Department of Scientific and Industrial Research.

BIBLIOGRAPHIC REFERENCE: Sutherland, C.F.; Cox, J.E.; Taylor, N.H.; Wright, A.C.S. 1980 : Soil map of Bay of Islands area (sheets Q04/05), North Island, New Zealand. Scale 1:100 000 *N.Z. Soil Bureau Map 184.*

SHEET INDEX



Soil Information

186 Soil Bureau Map No.s for adjacent sheets

COMPILATION NOTE:–The base map is compiled from the NZMS 1 series (1:63360) dated 1969,70,77.

NEW ZEALAND LAND INVENTORY

SCALE 1 : 100 000

Metres 1000 0 1 2 3 4 5 6 7 8 Kilometres

REFERENCE

- WHANGAREI — *Cities*
- KAIKOHE — *Towns*
- Houhora — *Settlements*
- *State highways*
- *Other roads*
- *Tracks*
- *Railways*
- *Rivers and streams*
- *Trig stations*
- *Vincula (separate parcels under same ownership)*
- *Land holding boundaries*
- *Sand and mud*

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 Geodetic Datum 1949, based on the International (Hayford) Spheroid.

The smallest area mapped is generally not less than 10 hectares. Calculation of areas from this map should be within the limitations of scale. For example, individual areas should be rounded to the nearest 5 hectares. Accumulated areas should be rounded to the nearest 50 hectares.

AREAL SCALE

500 hectares divided into units of 25 hectares

Published by the Department of Lands and Survey, New Zealand, under the authority of I.F.Stirling, Surveyor General.

P.D.Hasselberg, Government Printer, Wellington, New Zealand.

This map is one of a series. Themes mapped in this study are:– Land Tenure and Holding, Rock Types and Surface Deposits, Soils, Existing Land Use, Wildlife.

EDITION 1 1980

HEIGHTS ARE IN METRES ABOVE MEAN SEA LEVEL