

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. 1979: Soil map of Kaitia-Rawene area (Sheets 003/04/05), North Island. Scale 1:100 000. N.Z. Soil Bureau Map 182.

LEGEND OF SOIL MAPPING UNITS
ARRANGED PHYSIOGRAPHICALLY

Soils of the Flood Plains

well to moderately well drained

- Wf Whakapara sand
- Wf Whakapara silt loam and clay loam
- Wf Mangakia silt loam and clay loam

imperfectly to very poorly drained

- Wf Whakapara mottled clay loam
- Wf Mangakia mottled clay loam

Soils of the Estuarine Flats and Former Lake Beds

imperfectly to very poorly drained

- TC Takahiwai sand
- TC Takahiwai clay
- TC Takahiwai peaty clay loam
- TC Takahiwai peaty sand
- KP Kaipara clay and clay loam
- KA Kaitia clay loam
- KAY Kaitia peaty clay loam
- KK Kaikino sand
- TK Te Kopuru sand, wet phase

Soils of the Coastal Sand Dune Complex

excessively to somewhat excessively drained

- PN Pinaki sand
- OE Ohia sand
- WO Whananaki sand

well to moderately well drained

- HO Houhora sand
- TT Tangitiki sandy loam and sand

imperfectly to very poorly drained

- OT One Tree Point peaty sand
- TK Te Kopuru sand
- TK Te Kopuru peaty sand
- RK Ruakaka peaty sandy loam
- RK Ruakaka fine sandy peat
- RK Ruakaka loamy peat
- RK Ruakaka peaty silt loam
- RK Ruakaka peaty fine sandy loam

Soils of the Undulating Terraces and Lowlands

well to moderately well drained

- KM Kohumaru clay
- WO Whareora clay loam

imperfectly to very poorly drained

- KM Kohumaru mottled clay
- PK Pakotai clay
- WU Waipuna clay
- KM Kara sandy loam
- KM Kara silt loam
- KM Kara silt loam with pan
- KM Kara peaty silt loam
- KM Kara clay
- OG Otonga peaty clay loam
- OG Otonga loamy peat
- YU Waipu sand
- YU Waipu clay
- YU Waipu peaty silt loam and peaty clay

Soils of the Rolling and Hilly Land

well to moderately well drained

- OW Ohaeawai silt loam
- OW Ohaeawai shallow bouldery silt loam
- YO Waioitu friable clay
- RT Ruatangata friable clay
- BM Breem clay loam
- TM Taumata clay loam
- MN Mangonui clay
- HA Haunga complex (series to finalise)
- MB Marua brown clay loam
- MB Marua clay loam
- MB Marua light brown clay loam
- AE Autea clay loam and silty clay loam
- HU Huno stony clay loam
- RU Rangirua clay
- AR Awapuku clay loam
- TO Tutamoe friable clay
- PO Pokapu gravelly silt loam
- WH Whirinaki clay loam
- MA Maungarei clay
- OM Omanaia clay loam
- YC Waioira clay loam
- OH Ohaia clay

Soils of the Rolling and Hilly Land (ctd.)

well to moderately well drained (ctd.)

- OM Omu clay loam
- OG Ohaia gravelly silt loam
- OT Otangaroa clay and sandy clay loam
- YC Waioira clay
- AE Autea clay
- KN Konoti clay loam
- KN Konoti clay
- AP Aponga clay
- RA Rangiora clay, clay loam and silty clay loam
- RP Riponui clay and sandy clay
- RP Riponui sandy clay loam and sandy loam
- AY Awanui clay and sandy clay
- AY Awanui fine sandy loam and sandy clay
- YB Wairiki clay loam and silt loam
- PD Puketioi sandy loam
- OU Oturu fine sandy loam
- WH Whaka clay loam
- ON Omanaia clay loam with coarse-structured subsoil
- TF Te Tio clay loam
- OA Okaka clay and silty clay
- PI Piroa clay
- YK Waikare silt loam
- OM Omu gravelly silt loam with pan
- HU Hukerenui gravelly silt loam
- HU Hukerenui sandy loam
- HU Hukerenui fine sandy loam
- HU Hukerenui silt loam
- HU Hukerenui silt loam with yellow subsoil
- PM Pukemaru silt loam
- MT Motatau clay
- RV Rockvale clay
- WH Wharekohe sandy loam
- WH Wharekohe sandy loam with pan
- WH Wharekohe fine sandy loam
- WH Wharekohe fine sandy loam with pan
- WH Wharekohe silt loam
- WH Wharekohe silt loam with pan
- PR Parahi fine sandy loam and silt loam
- PR Parahi fine sandy loam and silt loam with pan
- AR Arapohue clay

Soils of the Steeplands

excessively to somewhat excessively drained

- HA Huia steepland soils, stony silt loam

well to moderately well drained

- HA Huia steepland soils, stony clay and stony silt loam
- TE Te Kie steepland soils, stony clay loam
- TE Te Kie steepland soils, light brown stony clay loam
- TE Te Kie steepland soils, reddish clay loam
- WC White Cone steepland soils, sandy clay loam
- TR Te Ranga steepland soils, clay loam and stony clay loam
- TR Te Ranga steepland soils, light brown clay loam and stony clay loam

imperfectly to very poorly drained

- PO Pukeararo steepland soils, clay loam
- DR Drifting and/or recently stabilised sands
- WS Wet swamps (not investigated)
- HI Hill soils
- ST Steepland soils
- MO Mottled soils
- GR Gravelly soils
- BO Bouldery soils
- AK Soil boundary

NOTE: Legend of soil taxonomic units arranged physiographically is shown on the reverse side of this map.

NEW ZEALAND LAND INVENTORY

SCALE 1 : 100 000

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

REFERENCE

- WHANGAREI Cities**
- KAIHORO 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.

HEIGHTS ARE IN METRES ABOVE MEAN SEA LEVEL

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.

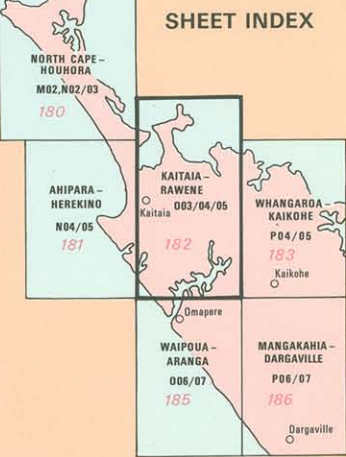
AREAL SCALE
500 hectares divided into units of 25 hectares



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COMPILATION NOTE: The base map is compiled from the NZMS 1 series (1:63360) dated 1971, 72, 75, 77