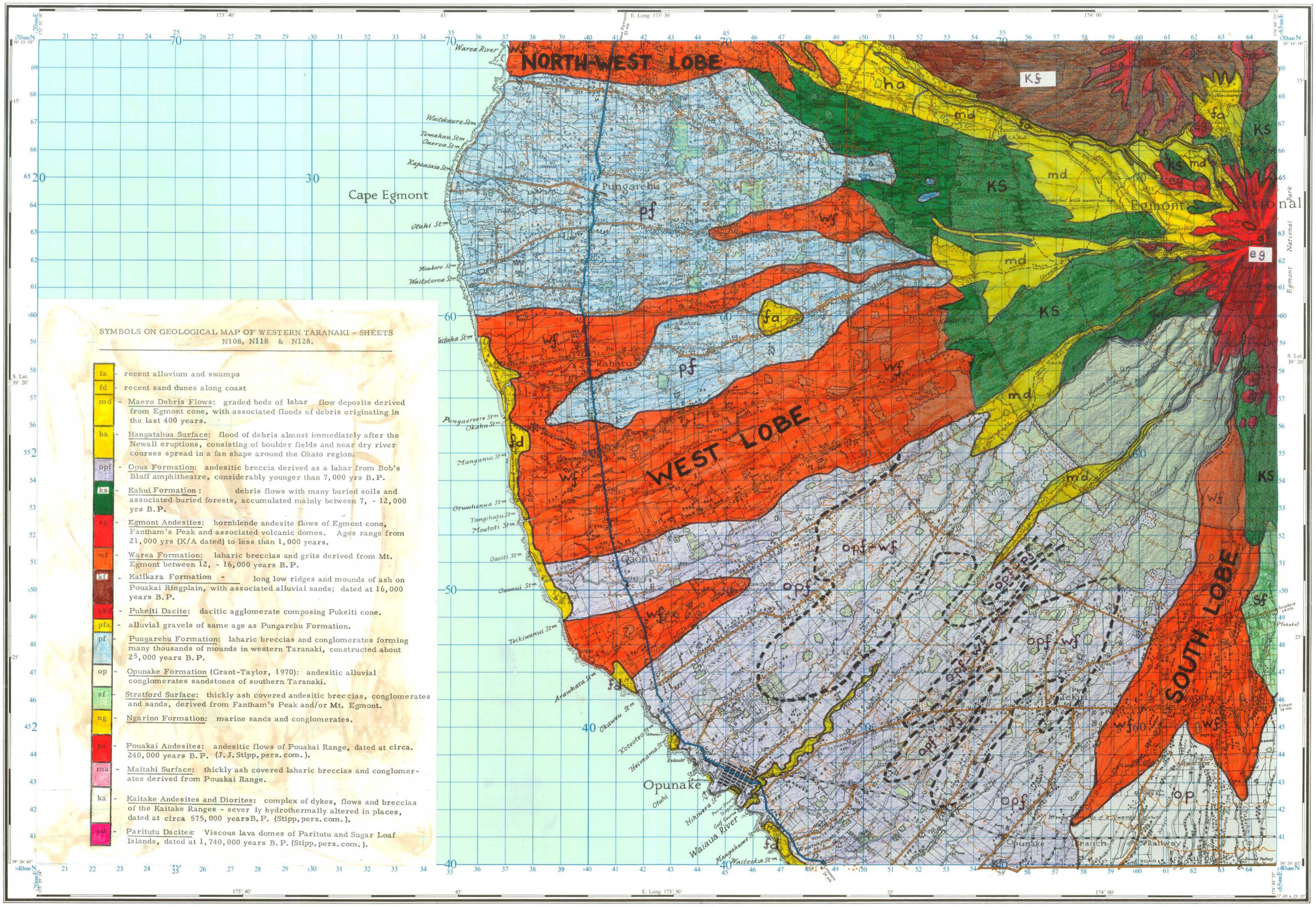
EGMONT



SYMBOLS ON GEOLOGICAL MAP OF WESTERN TARANAKI - SHEETS N108, N118 & N128.

- **fa** - recent alluvium and swamps
- **fd** - recent sand dunes along coast
- **md** - Maero Debris Flows: graded beds of lahar flow deposits derived from Egmont cone, with associated floods of debris originating in the last 400 years.
- **ha** - Hangatahua Surface: flood of debris almost immediately after the Newall eruptions, consisting of boulder fields and near dry river courses spread in a fan shape around the Okato region.
- **opf** - Opua Formation: andesitic breccia derived as a lahar from Bob's Bluff amphitheatre, considerably younger than 7,000 yrs B.P.
- **ks** - Kahui Formation: debris flows with many buried soils and associated buried forests, accumulated mainly between 7, - 12,000 yrs B.P.
- **eg** - Egmont Andesites: hornblende andesite flows of Egmont cone, Fantham's Peak and associated volcanic domes. Ages range from 21,000 yrs (K/A dated) to less than 1,000 years.
- **wf** - Warea Formation: laharic breccias and grits derived from Mt. Egmont between 12, - 16,000 years B.P.
- **kf** - Katikara Formation - long low ridges and mounds of ash on Pouakai Ringplain, with associated alluvial sands; dated at 16,000 years B.P.
- **pkd** - Pukeiti Dacite: dacitic agglomerate composing Pukeiti cone.
- **pfa** - alluvial gravels of same age as Pungarehu Formation.
- **pf** - Pungarehu Formation: laharic breccias and conglomerates forming many thousands of mounds in western Taranaki, constructed about 25,000 years B.P.
- **op** - Opunake Formation (Grant-Taylor, 1970): andesitic alluvial conglomerates sandstones of southern Taranaki.
- **sf** - Stratford Surface: thickly ash covered andesitic breccias, conglomerates and sands, derived from Fantham's Peak and/or Mt. Egmont.
- **ng** - Ngarino Formation: marine sands and conglomerates.
- **pa** - Pouakai Andesites: andesitic flows of Pouakai Range, dated at circa 240,000 years B.P. (J.J. Stipp, pers. com.).
- **ma** - Maitahi Surface: thickly ash covered laharic breccias and conglomerates derived from Pouakai Range.
- **ka** - Kaitake Andesites and Diorites: complex of dykes, flows and breccias of the Kaitake Ranges - severely hydrothermally altered in places, dated at circa 575,000 years B.P. (Stipp, pers. com.).
- **pd** - Paritutu Dacites: Viscous lava domes of Paritutu and Sugar Loaf Islands, dated at 1,740,000 years B.P. (Stipp, pers. com.).

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The representation on this map of a road or track is no evidence of the existence of a right of way.

N.Z.M.S. 1 SHEET N118
EGMONT

REFERENCE

Railways: Double Track — Principal Station, Station, Cutting, Tunnel, Level Crossing, Embankment; Single Track — Bridge under, Bridge over (Footbridge)

Roads: Two Way Bridge, Wooden, One Way Bridge, Concrete; Sealed — Fenced, Steel; Metalled — Unfenced, Suspension; Unsealed

Provincial State Highways — Tracks: Vehicle, Foot

Electric Power Lines: Transmission Lines (over 11,000 volts) actual position; Distribution Lines (11,000 volts and under) conventional spacing; Pylons, Poles

Bush Tramway — Telephone Line

Contours: Index, Intermediate — Depression — Knolls

Trig Station — Windpump — Mine Underground — Rock Outcrop — Built up Area

Trig Station Beacon — Footbridge — Mine Opencast — Cliff or Terrace

Spot Elevation in feet, 756 — Hedge; Fence — Gravel Pit; Cave — Stopbank — Sandhills

Wireless Aerial Mast — Pipeline — Quarry; Slip — Lighthouse

National Park Boundary

Vegetation: Bush — Plantation — Orchard — Burnt or Fallen Bush

Hydrography: Drain — Drain beside Fence — Water Race — Stream or Watercourse — Indefinite Stream — Dam; Ford; Waterfall — Cold Spring; Hot Spring

Scrub — Scattered Scrub — Trees

Swamp — Mangroves — Sand — Shingle — Sand & Mud — Rocks

Building — Homestead — Church — Cemetery

Post & Telegraph Office — Post Office only — Telephone only — Historic Maori Pa Sites

Scale 1:63360 (1 inch to 1 mile)

1 Mile = 1000 Yards = 1 Kilometre

The Vertical Interval between the Contours is 100 feet

Drawn on Transverse Mercator Projection Origin of Projection 175° 30' E. Long. 39° 00' S. Lat.

The Grid and Graticule on this map are in terms of Geodetic Datum 1949

True North { at the East edge of this sheet is 0° 54' 30" W; at the West edge of this sheet is 1° 12' 40" W } of Grid North

Published by the Department of Lands & Survey, New Zealand, under the authority of R. P. Gough, Surveyor General.

MAPPING METHODS

Aerial Photographs — A
Plotting Instrument — B
Plane Table Sketch Surveys — B
Existing Survey Records — C
Date of Photography — 1953-54-59
Date of Field Check — 1965

Part of this map is to interim specifications.

TO CONVERT A MAGNETIC BEARING TO A GRID BEARING ADD G-M ANGLE

TO CONVERT A GRID BEARING TO A MAGNETIC BEARING SUBTRACT G-M ANGLE

TO OBTAIN G-M ANGLE add the Annual Magnetic Change multiplied by the number of years since 1965 to the G-M angle for 1965 1° = 40'

Annual Magnetic Change — 4'
G-M Angle for 1965 17° 48' for the Central Grid Line of this Sheet

All grid co-ordinates on this sheet are in terms of False Origin of True Origin
False Origin is { 300,000 yds West; 400,000 yds South }
True Origin is { 39° 00' South Latitude; 175° 30' East Longitude }

TO GIVE A GRID REFERENCE ON THIS SHEET

This Sheet lies in Grid Square N13

Disregard the smaller co-ordinates in the margins. They are for finding full co-ordinates on grid square numbers.

Pay attention to the large marginal figures and to those printed on the face of the map.

Point Arawhata

East		North	
Take west edge of square in which point lies and read the large figures opposite this line on north or south margins or on the line itself (on the face of the map).	45	Take south edge of square in which point lies and read the large figures opposite this line on east or west margins or on the line itself (on the face of the map).	50
Estimate tenths eastward.	5	Estimate tenths northward.	2
East	455	North	502

REFERENCE 455502

Unit ..... yard
Square ..... 1000 yds.
Reference to nearest 100 yards.

2nd EDITION
1st FEB. 1965

INDEX TO ADJOINING SHEETS

New Plymouth — N108, N109 Inglewood; N118, N119 Eltham; N128, N129 Hawera; Stratford; Opunake

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VICTORIA UNIVERSITY OF WELLINGTON