Geology of the Kapowai Caldera Complex

Stratigraphy

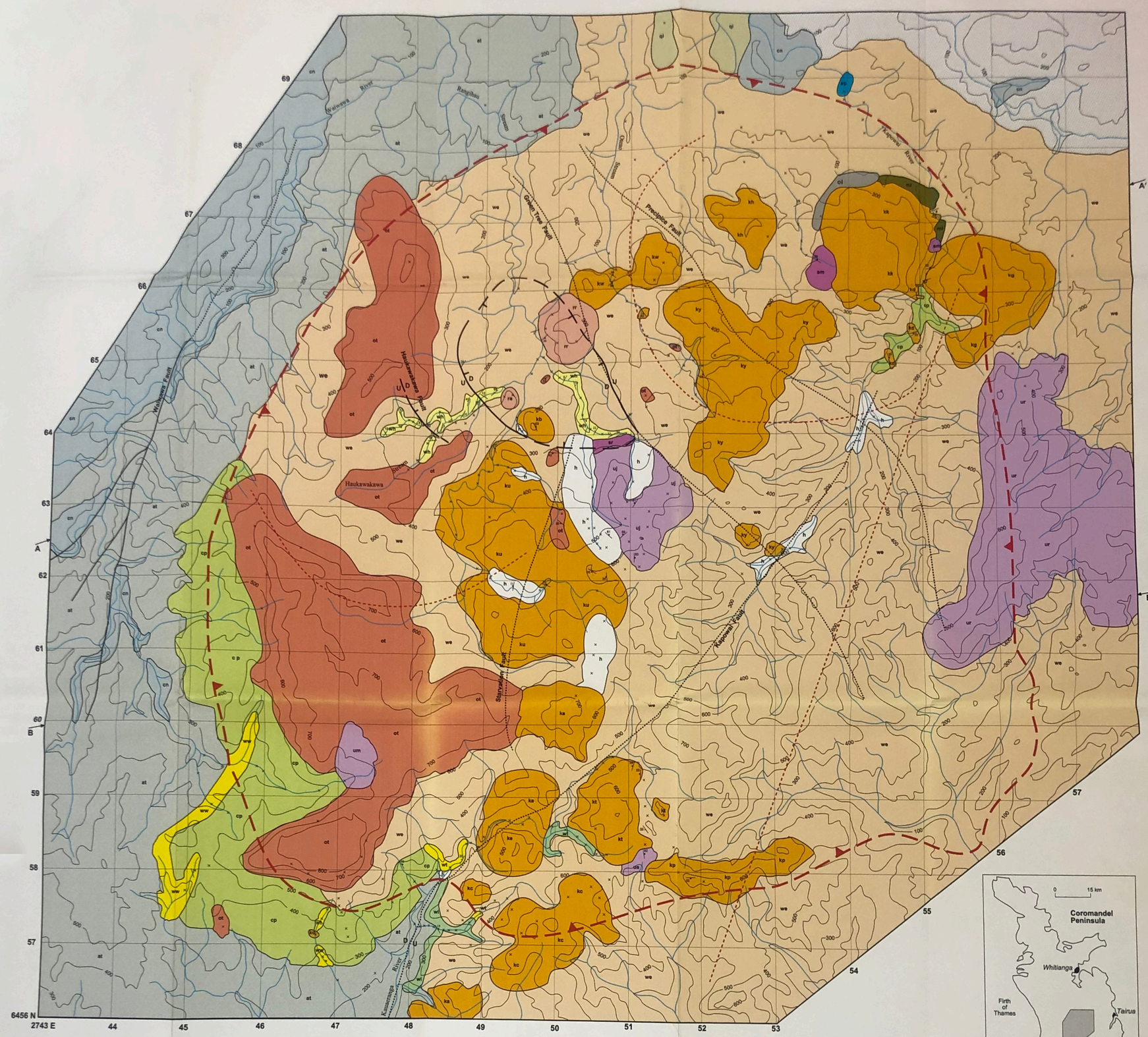
Post-Caldera Geology

h Hydrothermally altered rhyolite or ignimbrite

Approximate Age (Ma)

Pliocene — Miocene — Ma (scale change)

- Kauaeranga Rhyolite (ke)
  grey plag-opx-cpx fine phyric rhyolite lava
- Tauranikau Rhyolite (kt)
  grey plag-opx-cpx fine phyric rhyolite lava
- Precipice Rhyolite (kd)
  grey plag-opx-cpx fine phyric rhyolite lava
- Camp Rhyolite (kc)
  grey plag-opx-cpx fine phyric rhyolite lava and breccia
- Pinnacles Rhyolite (kp)
  grey plag-opx-cpx fine phyric rhyolite lava
- Big Beetle Rhyolite (kb)
  grey plag-opx-cpx fine phyric rhyolite lava
- Acadia Rhyolite (ra)
  grey plag fine phyric rhyolite lava
- Wharepapa Eruptive Sequence (we)
  light grey/cream plag - opx - cpx rhyolitic ignimbrites, vitric and crystal tuffs and lag breccias
- Oteao Ignimbrite (oi)
  dark grey scoria and pumice rich plag - opx - cpx mixed/mingled andesitic ignimbrite
- Ruahine Rhyolite (ur)
  grey plag-qtz-biot medium phyric rhyolite lava
- Kydd Rhyolite (ky)
  grey plag-opx-cpx fine phyric rhyolite lava and breccia
- Wharepapa Rhyolite (kh)
  grey plag-opx-cpx fine phyric rhyolite lava
- Slip Rhyolite (sr)
  grey plag-amph fine phyric rhyolite lava
- Kapowai Rhyolite (kk)
  grey plag-opx-cpx fine phyric rhyolite lava
- Manuka Ignimbrite (mi)
  brown pumice and lithic rich plag-opx-cpx-amph rhyolitic ignimbrite
- Haukawakawa Member (wh)
  light grey-brown volcaniclastic and carbonaceous lacustrine siltstone and sandstone
- Kokonga Rhyolite (kg)
  grey plag-opx-cpx fine phyric rhyolite lava
- Miller Flat Rhyolite (sm)
  grey plag-amph-opx fine phyric rhyolite lava
- Starvation Rhyolite (ks)
  grey plag-opx-cpx fine phyric rhyolite lava
- Waiwhatawhata Rhyolite (kw)
  grey plag-opx-cpx fine phyric rhyolite lava
- Rangihau Rhyolite (rr)
  grey plag fine phyric rhyolite lava
- Bulls Run Rhyolite (ku)
  grey plag-opx-cpx fine phyric rhyolite lava
- Scots Rhyolite (us)
  light grey plag-biot fine phyric rhyolite lava
- Moss Creek Rhyolite (um)
  grey plag-biot fine phyric rhyolite lava
- Atuatumoe Rhyolite (ka)
  grey plag-opx-cpx fine phyric rhyolite lava
- Trig Q Ignimbrite (qi)
  cream-dark grey pumice rich, lithic poor plag-opx-cpx dacitic ignimbrite
- Moyles Rhyolite (ko)
  grey plag-opx-cpx fine phyric rhyolite lava
- Tauraukau Andesite (ot)
  dark grey plag-opx-cpx medium phyric andesite lava and breccia
- Welcome Jack Rhyolite (uj)
  light grey qtz-plag-biot fine phyric rhyolite lava
- Colorado Pyroclastics (cp)
  grey/cream pumice and lithic rich plag-opx-cpx rhyolitic ignimbrites and interbedded vitric tuffs
- Tarawaere Member (wt)
  grey-brown volcaniclastic and carbonaceous lacustrine siltstone and sandstone
- Webb Creek Ignimbrite (wi)
  grey/cream pumice and lithic rich plag-opx-cpx rhyolitic ignimbrite
- Waiwawa Member (ww)
  cream-brown volcaniclastic and carbonaceous lacustrine siltstone and sandstone
- Tapuaetahi Andesite (ap)
  grey plag-opx-cpx medium phyric andesite lava and breccia
- Taurahuehue Andesite (at)
  dark grey plag-opx-cpx medium phyric andesite lava, breccia and tuff
- Maumaupaki Formation (cn)
  grey plag-opx-cpx-biot medium phyric andesite/dacite lava and breccia



Structure

Topographical Boundary

Structural Boundary — observed (U, D); inferred

Landsat Lineation

Faults — observed (U, D); inferred; concealed

Bedding

Major Joint

Outcrop ×

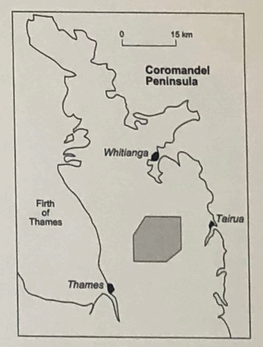
Grid North

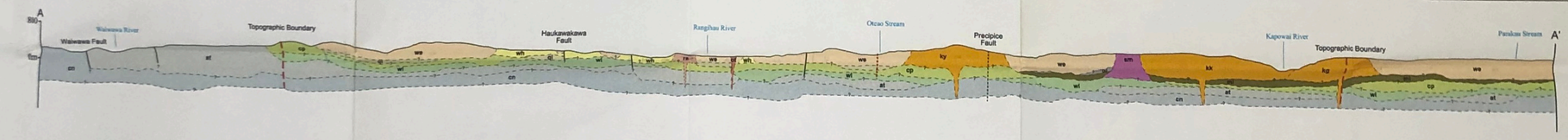
Magnetic North

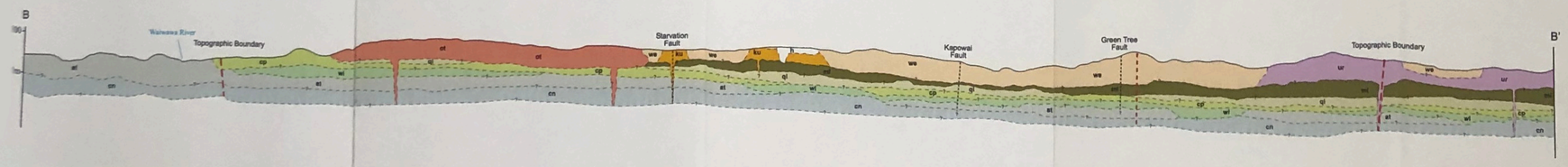
23.5

0 1 2 km

1: 25 000







Krippner, S.J.P. 2000. Volcanic geology, geochemistry, and geochronology of the Kapowai Caldera Complex, Coromandel Volcanic Zone. Unpublished Ph.D thesis, University of Waikato.