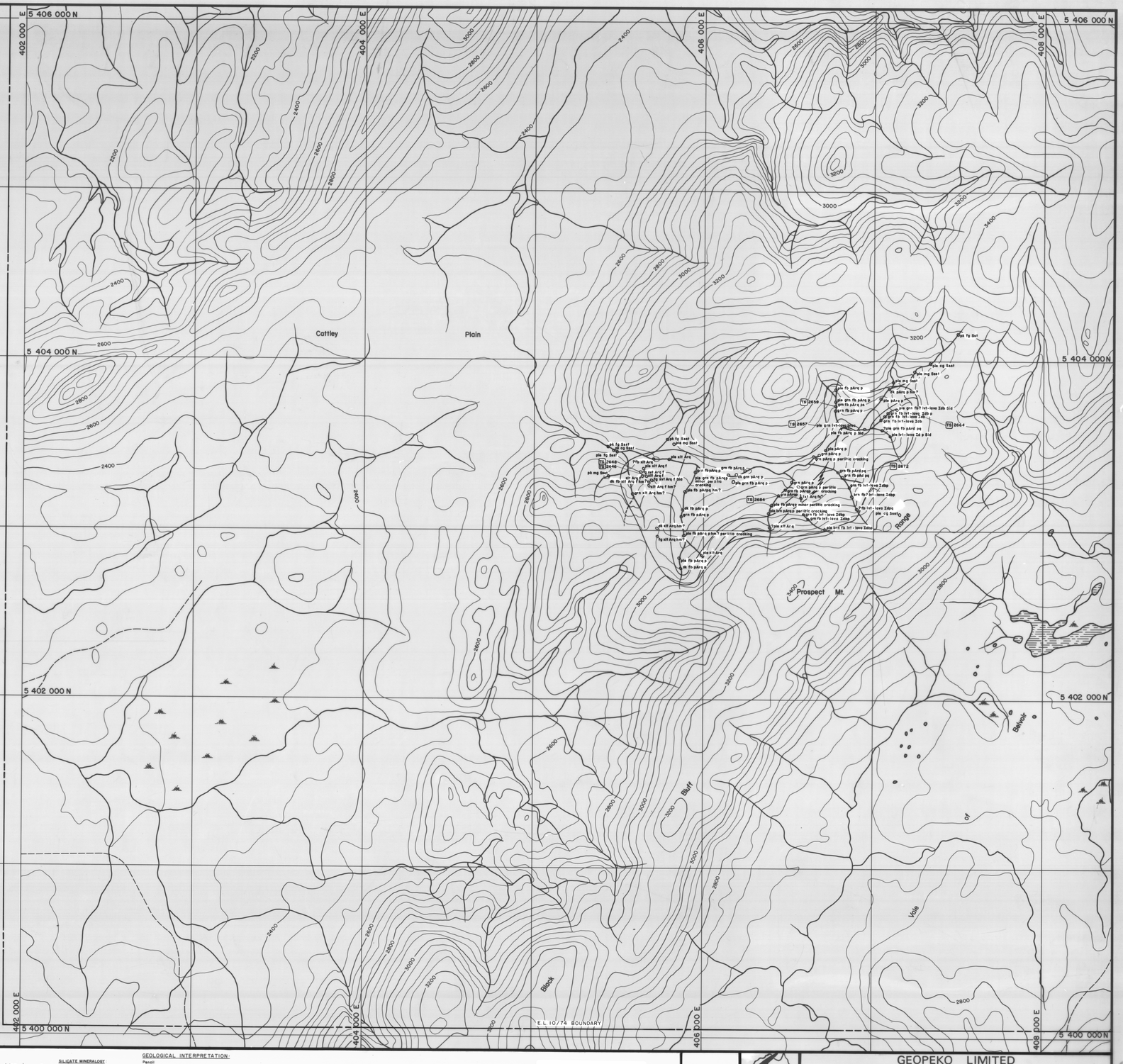
KT 10/74-2A
GEOLOGICAL MAP
1 : 10,000



OPERATION OF LEGEND:

1. Capital letter – indicates primary classification eg. S - sedimentary rock, A - acid rock, M - basic rock
2. Lower case letters – indicate the following:
   (i) Colours – e.g. pk/grn.A = pink fragments in an acid igneous rock with a green matrix.
   (ii) Textural or structural features – e.g. xtA = crystal tuff of acid composition, e.g. pA = porphyric acid rock, eg. vnA = veinlead acid rock
   b. As suffixes in progressive order:
   (i) Categorised– e.g. pAr = rhyolite, eg.Zo = intermediate rock of andesitic composition.
   (ii) Mineralogy– e.g. pArf = porphyritic (rhyolite) with feldspar phenocrysts, e.g. lxt f/b = lithic crystal tuff with feldspar (phenocryst component) and biotite (prominent matrix component), e.g. lxt f q = lithic crystal tuff with (major) feldspar crystals and (minor) quartz crystals, e.g. fb lvt-lava Zdb = flow banded lithic vitric tuff - lava of intermediate dacitic composition with a biotite rich groundmass.

NOTE:
This map has been compiled from enlargements of the Tasmanian Lands Departmenfs 1:15840 scale topographic machine plots.

SYMBOLS:

IGNEOUS:
- A — acid igneous unclassified
- Ar — rhyolite
- Ard — rhyodacite
- I — intermediate igneous unclassified
- Zo — andesite
- Zd — dacite
- M — basic igneous unclassified
- Mv — basalt
- Md — dolerite

SEDIMENTARY:
- Sst — Sandstone
- Scongl — conglomerate
- S — volcaniclastic sediment
- Sqtz — quartzite

STRUCTURAL and TEXTURAL:
- t — tuff unclassified
- lt — lithic tuff
- xt — crystal tuff
- vt — vitric tuff
- b — banding
- p — porphyritic
- vns — veins
- ds — oxidised
- sid — silicified
- orgd — argillitised

STRUCTURAL:
- ⊙ — crater
- ⊙ — rubble boundary
- approximate contact
- bedding
- joint

GRAIN SIZE:
- fg — fine grained - (< 1mm)
- mg — medium grained (5mm - 1mm)
- cg — coarse grained (5mm - 5cm)

COLOURS:
- pk — pink
- grn — green
- brn — brown
- gy — grey
- dk — dark

SILICATE MINERALOGY:
- q — quartz
- f — K feldspar
- p — plagioclase
- b — biotite
- c — chlorite
- s — sericite
- maf — mafics
- e — epidote
- hb — hornblende

SULPHIDE MINERALOGY:
- x — sulphides
- py — pyrite
- hm — hematite

MISCELLANEOUS:
- TS 2502 Thin Section and rock No.

GEOLOGICAL INTERPRETATION:

Pencil No.				
19-46	HOLOCENE	Alluvium, glacial debris (Md), swamp soils	19-28	Lithic vitric tuff - lava (fb lvt-lava Zdb, intercalated with pArdpq)
19-47	TERT.	Olivine basalt (flows, Mv)	19-21	Porphyritic plagioclase - quartz rhyolite (fb pAr qp)
19-38	L. ORDO.	Limestone (Gordon type)	19-3	Fine grained quartzose volcaniclastic sediment (fg S volcaniclastic sed. q.x")
19-71	U ?	Talus - sandstone, conglomerate	19-57	Lithic quartz crystal vitric tuff (lxt Arqf)
19-70	U ?	Sandstone, conglomerate (Owen type, Sst, Scongl.)	19-55	Lithic quartz crystal tuff (lxtZo qf maf x")
19-22		Undifferentiated cambrian	19-23	Quartz crystal vitric tuff - lava (xvt-lava Arq)
19-65		Crystal lithic tuff (xlt Ar qf, gradational to tuff-lava)	19-19	Biotite feldspar quartz porphyritic lava (pArd bfq, pAr bfq)

5 cm

03_4902

Tice Number 19: Black Bluff, Mariner, Mt Stormont
(EL 9/1966, EL10/1974)
Placer Dome Asia Pacific
Green, D. EL10/1974; EL9/1966

GN MN
11°7'

DATE: APRIL '78
GEOLOGIST: R.B.
DRAWN: L.G. & J.M.
CHECKED: M.C.R.

GEOPEKO LIMITED
KING ISLAND GROUP

SCALE: 1:10,000

No. KT10/74-2A

E.L. 10/74
BLACK BLUFF, TASMANIA

GEOLOGICAL MAP

KT10/74-1	
KT10/74-2	KT10/74-3