Geopeko Limited
Geological Legend - E.L. 10/74

OPERATION OF LEGEND:

1. Capital letter – indicates primary classification e.g. 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, e.g oxA = oxidised acid rock

   b. As suffixes in progresive order,
   (i) Categorised – e.g. pAr = rhyolite, e.g Ia = 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 Idb = flow banded lithic vitric tuff - lava of intermediate dacitic composition with a biotite rich groundmass.

SYMBOLS:

IGNEOUS:

A	acid igneous unclassified
Ar	rhyolite
Ard	rhyodacite
I	intermediate igneous unclassified
Ia	andesite
Id	dacite
M	basic igneous unclassified
Mv	basalt
Md	dolerite

STRUCTURAL and TEXTURAL:

t	tuff unclassified.
lt	lithic tuff
xt	crystal tuff
vt	vitric tuff
fb	flow banding
p	porphyritic
vns	veins
ox	oxidised
sid	silicified
argd	argillitised

GRAIN SIZE:

fg	fine grained (< 1mm)
mg	medium grained (5mm - 1mm)
cg	coarse grained (5mm - 5cm)

SEDIMENTARY:

Ssst	Sandstone
Scongl	conglomerate
S	volcaniclastic sediment
Sqtz	quartzite

STRUCTURAL:

	outcrop limit
	rubble boundary
	approximate contact
	bedding
	joint

COLOURS:

pk	pink
grn	green
brn	brown
ple	pale
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:

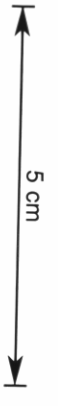
s"	sulphides
py	pyrite
hm	hematite

MISCELLANEOUS:

TS 2502 Thin Section and rock No.

GEOLOGICAL INTERPRETATION:

Pencil No.			
19-43		HOLOCENE	Alluvium, glacial debris (Md), swamp soils
19-47		TERT.	Olivine basalt (flows, Mv)
19-38		L.ORDO.	Limestone (Gordon type)
19-71		U Ꞓ ?	Talus - sandstone, conglomerate
19-70		U Ꞓ ?	Sandstone, conglomerate (Owen type, Ssst, Scongl.)
19-22		Ꞓ	Undifferentiated cambrian
19-63		Ꞓ	Crystal lithic tuff (xlt Ar qf; gradational to tuff - lava)
19-28		Ꞓ	Lithic vitric tuff - lava (fb lvt - lava Idb; intercalated with pArdpq)
19-21		Ꞓ	Porphyritic plagioclase - quartz rhyolite (fb pAr qp)
19-3		Ꞓ	Fine grained quartzose volcaniclastic sediment (fg S volcaniclastic sed. q s")
19-57		Ꞓ	Lithic quartz crystal vitric tuff (lxt Arqf)
19-55		Ꞓ	Lithic quartz crystal tuff (lxtIa qf maf s")
19-23		Ꞓ	Quartz crystal vitric tuff - lava (xvt - lava Arq)
19-19		Ꞓ	Biotite feldspar quartz porphyritic lava (pArd bfq, pAr bfq)



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

EL10/1974; EL9/1966

03_4902

G.L.B., April 1978