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, e.g. oxA = oxidised acid rock
   b. As suffixes in progressive 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. ixt f/b = lithic crystal tuff with feldspar (phenocryst component) and biotite (prominent matrix component), e.g. ixt f g = lithic crystal tuff with (major) feldspar crystals and (minor) quartz crystals, e.g. fb lxt-lava Idb = 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 Department's 1:15840 scale topographic machine plots.

SYMBOLS:

IGNEOUS:

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

SEDIMENTARY:

Sext	Sandstone
Scongl	conglomerate
S	volcaniclastic sediment
Sqtz	quartzite

STRUCTURAL and TEXTURAL:

lt	tuff unclassified
lxt	lithic tuff
xt	crystal tuff
vt	vitric tuff
fb	flow banding
p	porphyritic
vxn	veins
ox	oxidised
sid	silicified
orgd	argillised

STRUCTURAL:

	outcrop limit
	rubble boundary
	approximate contact
	bedding
	joint

GRAIN SIZE:

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

COLOURS:

pk	pink
grn	green
brn	brown
pu	purple
dk	dark

SILICATE MINERALOGY

q	quartz
f	feldspar
p	plagioclase
b	biotite
c	chlorite
s	sericite
mof	mafics
e	epidote
hb	hornblende

SULPHIDE MINERALOGY

sl	sulphides
py	pyrite
hm	hematite

MISCELLANEOUS

TS 2502 Thin Section and RB.A No.

GEOLOGICAL INTERPRETATION:

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

MINING LEASE

03_4901

Tube Number 15: Black Bluff, Mackintosh East. 1976-81 (Including EL10/1974)
Placer Doma Asia Pacific*
Green, D. EL10/1974

GEOPEKO LIMITED
KING ISLAND GROUP

SCALE: 1 : 10,000

No. KT10/74-3A

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

E.L. 10/74
BLACK BLUFF, TASMANIA
GEOLOGICAL MAP

5 cm

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