

5 cm

# Geopeko Limited Geological Legend - E.L. 9/74

## OPERATION OF LEGEND:

- Capital letter - indicates primary classification e.g. S - sedimentary rock, A - acid rock, M - basic rock.
- Lower case letters - indicate the following:
  - Colours - e.g. pk/grnA = pink fragments in an acid igneous rock with a green matrix.
  - Textural or structural features - e.g. xtA = crystal tuff of acid composition, e.g. pA = porphyritic acid rock, e.g. oxA = oxidised acid rock.
- As suffixes in progressive order:
  - Categorised - e.g. pAr = rhyolite, e.g. Ia = intermediate rock of andesitic composition.
  - Mineralogy - e.g. pArf = porphyritic (rhyolite) with feldspar phenocrysts, e.g. lxt f/b = lithic crystal tuff with feldspar (phenocrysts 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 mg pArqfs (black specks) = flow banded porphyritic rhyolite with quartz (major phenocryst component, size range 1mm - 5mm), feldspar (minor phenocryst component), sericite (prominent matrix component), and black specks (minor undifferentiated accessory mineral).

## SYMBOLS:

IGNEOUS:	
A	acid igneous unclassified
Ar	rhyolite
I	intermediate igneous unclassified
Ia	andesite
Id	dacite
M	basic igneous unclassified
Mv	basalt
Md	dolerite
Gr	granite

STRUCTURAL:	
	outcrop limit
	rubble boundary
	interpretative contact
	bedding
	joint
	cleavage
	primary foliation
	fault
	unconformity

COLOURS:	
pk	pink
grn	green
brn	brown
ple	pale
dk	dark
wte	white
gry	grey
pur	purple

SEDIMENTARY:	
Ssh	shale
Sstst	siltstone
Ssst	sandstone
Sqtz	quartzite
Scong	conglomerate
Sv	volcaniclastic sediment

SILICATE MINERALOGY:	
q	quartz
f	feldspar
mus	muscovite
b	biotite
c	chlorite
s	sericite
cb	carbonate
mafics	mafics
hb	hornblende
sid	silicified
ferromag	ferromagnesian

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

STRUCTURAL and TEXTURAL:	
t	tuff unclassified.
lt	lithic tuff
xt	crystal tuff
vt	vitric tuff
fb	flow banding
p	porphyritic
clvd	cleaved
shd	sheared
ox	oxidized
vns	veins
lam	laminated
brec	brecciated

SULPHIDE MINERALOGY:	
s	sulphides
py	pyrite
cpy	chalcopyrite
gn	galena
hm	hematite
mag	magnetite
gos	gossan
lim	limonite

## MISCELLANEOUS:

	3033 Thin section and rock No.
	1112 Geochemical analysis and rock No.
	Grid traverse
	Anomaly centre (approximate)
	Old workings
	Composite

## GEOLOGICAL INTERPRETATION:

Pencil No.		
19-1	<input type="checkbox"/> TERT.	(Macquarie Beds)
19-6	<input type="checkbox"/> L. ORDO.	Conglomerate (Owen type), sandstones. (Scong, Ssst)
19-10	<input type="checkbox"/> U & ?	Granite (Gr)
19-13	<input type="checkbox"/> C	Sandstone (Ssst)
19-17	<input type="checkbox"/> C	Fine grained volcaniclastic sediments. (fg Sv(sst), Sv(Ssh),)
19-18	<input type="checkbox"/> C	Coarse grained sedimentary breccia (cg S(brec))
19-63	<input type="checkbox"/> C	Conglomerate (Scong)
19-19	<input type="checkbox"/> C	Porphyritic quartz - feldspar rhyolitic lava. (fbpArqf)
19-21	<input type="checkbox"/> C	Feldspar - quartz - biotite porphyry. (cg pArqfb)
19-24	<input type="checkbox"/> C	Vitric quartz - feldspar crystal tuff - lava. (fbvxtqf)
19-28	<input type="checkbox"/> C	Rhyolitic crystal pyroclastics. Crystal tuff, crystal lithic tuff (xtq, xltqf)
19-32	<input type="checkbox"/> C	Rhyolitic lithic pyroclastics. Lithic tuff, lithic crystal tuff, lithic vitric tuff, (cgltqf, mgltqf, lvtqf)
19-70	<input type="checkbox"/> PRE C	Undifferentiated quartzite, quartz mica schist. (Sqtz, fglam sch Ssh mus.)