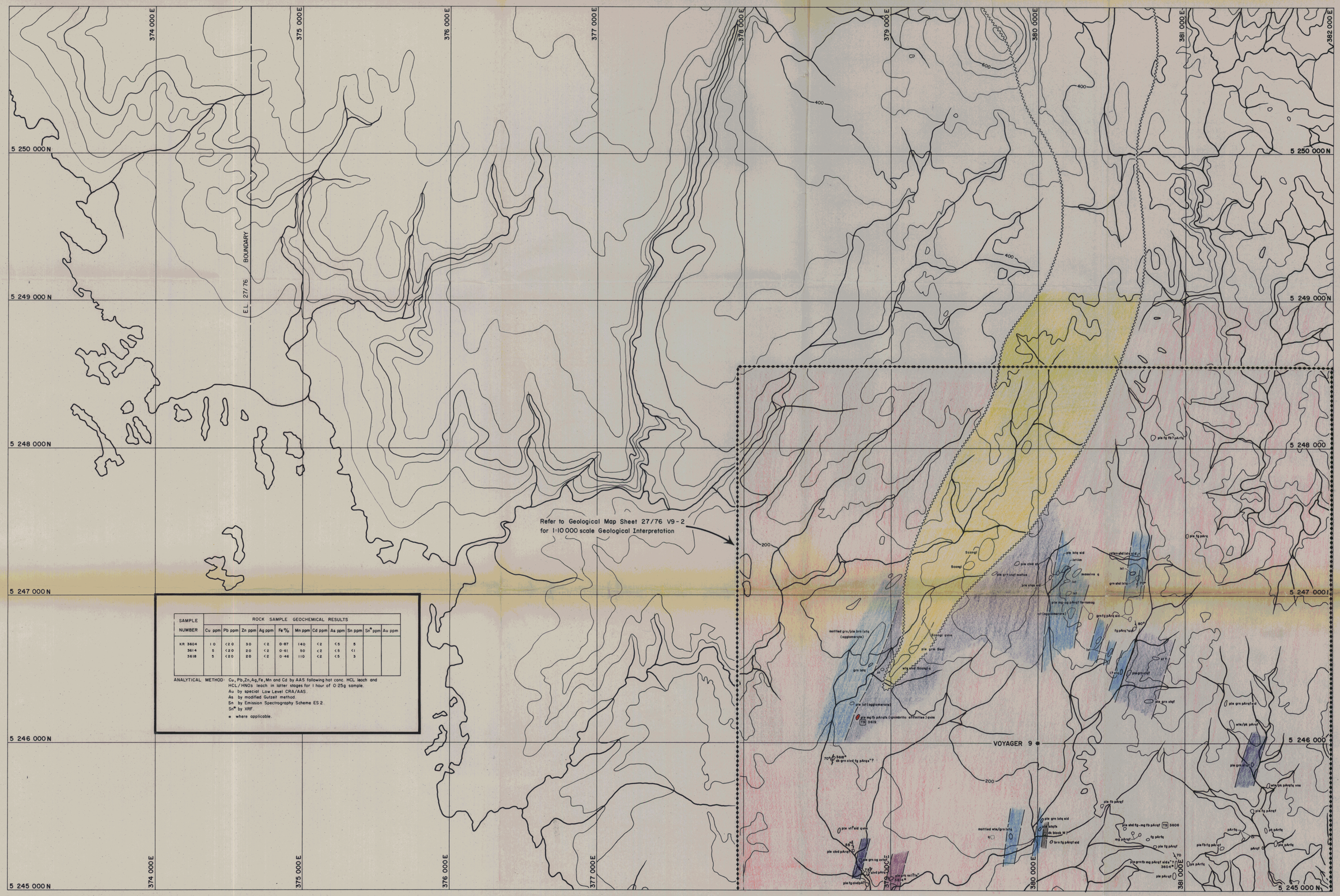

SAMPLE NUMBER	ROCK SAMPLE GEOCHEMICAL RESULTS										
	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Fe %	Mn ppm	Cd ppm	As ppm	Sn ppm	Sn* ppm	Au ppm
KR 3604	10	<20	30	<2	0·87	140	<2	<5	5		
3614	5	<20	20	<2	0·61	50	<2	<5	<1		
3618	5	<20	20	<2	0·46	110	<2	<5	3		

ANALYTICAL METHOD: Cu, Pb, Zn, Ag, Fe, Mn and Cd by AAS following hot conc. HCL leach and HCL/HNO3 leach in latter stages for 1 hour of 0·25g sample.
Au by special Low Level CRA/AAS.
As by modified Gutzeit method.
Sn by Emission Spectrography Scheme ES 2.
Sn* by XRF.
* where applicable.

209201

OPERATION OF COVERAGE

Capital letter indicates primary (observation) rock: eg. S: sedimentary rock; K: igneous; M: basic rock.

Lower case letters indicate the following:
(1) Genetics: e.g. pa: pyroclastic (ash fragments in an igneous rock with a green matrix).
(2) Textural or structural features: e.g. vlt: vitreous tuff of ash composition; eg. pk: porphyritic igneous rock, e.g. cwk: welded solid rock.
b. As suffixes in progressive order:
(1) Collegiances: e.g. pdr: rhyolite, eg. Id: intermediate rock of andesitic composition.
(2) Mineralogy: e.g. pdrfr: porphyritic rhyolite with feldspar phenocrysts, e.g. lstf: fine crystal tuff with feldspar (phenocryst component) and biotite (groundmass matrix component), e.g. lstfcg: lithic crystal tuff with major feldspar crystals and (minor) quartz crystals, e.g. fbmgbqrq: black species lava bombs bedded porphyritic rhyolite with quartz (major phenocryst component), blue range (mid-Triassic) feldspar (minor phenocryst component), sericite (groundmass matrix component), and black species (minor undifferentiated accessory minerals).

NOTE

This map has been compiled from enlargements of the Tasmanian Lands Department's 1:15840 scale topographic machine plots.

SYMBOLS

LITHOLOGY

A	acid igneous unclassified
Ar	rhyolite
Z	intermediate igneous unclassified
Id	andesite
Zd	dacite
M	basic igneous unclassified
Mv	basalt
Md	dolerite
Ul	gabbro

SEDIMENTARY

Sch	shale
Sstlst	siltstone
Sslst	sandstone
Sqtz.	quartzite
Scongl	conglomerate
Sv	volcaniclastic sediment

STRUCTURAL and TEXTURAL

t	tuff unclassified
lt	lithic tuff
ct	crystal tuff
vt	vitric tuff
fb	flow banding
p	porphyritic
chd	chevron
shd	sheared
co	pelitized
sis	silicified
spa	spherulitic
brec	brecciated
sch	schistose

GRAIN SIZE

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

STRUCTURAL

	inferred unit
	rubble boundary
	transgressive contact
	padding
	joint
	cleavage
	primary foliation
	fault
	unconformity

COLOURS

pk	pink
grn	green
brn	brown
pale	pale
dk	dark
wh/w	white
gry	grey
pur	purple

SILICATE MINERALOGY

q	quartz
f	feldspar
musc	muscovite
b	biotite
c	chlorite
s	sericite
cb	carbonate
mafics	mafics
hb	hornblende
sil	silicified
fermag	ferromagnesian

SULPHIDE MINERALOGY

a	sulphides
py	pyrite
cpy	chalcopyrite
gn	galena
h.m.	haematite
mag	magnetite
gls	galena
Gr	graphite

MISCELLANEOUS

TS 3033	Thin section and rock No.
* 1·10	Geochemical analysis and rock No.
	Grid traverse
	Anomaly centre (approximate)
	Old workings
	Campsite

GEOLOGICAL INTERPRETATION

Period No			
19-1		TERT	(Macquarie Beds)
19-6		L ORDO	Conglomerate (Owen type), sandstones (Scongl, Sssl)
19-50		Id	Andesite
19-67		M	Basic dyke
19-10		U & P	Granite (Gr)
19-13		C	Sandstone (Sssl)
19-17		C	Fine grain volcaniclastic sediments (fg Sv(sst), Sv(Sstl))
19-18		C	Coarse grained sedimentary breccia (cg S(brec))
19-19		C	Porphyritic quartz, feldspar rhyolitic lava (fg pdrqf)
19-21		C	Feldspar quartz biotite porphyry (cg pdrfqb)
19-24		C	Rhyolitic vitric pyroclastics Vitric tuff, vitric crystal tuff (vtg, vgtb)
19-28		C	Rhyolitic crystal pyroclastics Crystal tuff, crystal lithic tuff (ctg, ctgf)
19-32		C	Rhyolitic lithic pyroclastics. Lithic tuff, lithic crystal tuff, lithic vitric tuff, (lt(ctgf, mgltgf, lvtgf)
19-76		PRE C	Undifferentiated quartzite, quartz mica schist. (Sqtz, fgmmsch Sch.mus.)

DATE: August 1978
GEOLOGIST: C. D.S.
DRAWN: J. P.M.
CHECKED: CDS.

GEOPEKO LIMITED
KING ISLAND GROUP

SCALE: 1:10,000

E.L. 27/76
ELLIOTT BAY, TASMANIA 001
78-1317

GEOLOGICAL MAP

5 cm

No. KT27/76-5A

KT27/76-1	KT27/76-2
KT27/76-3	KT27/76-4
KT27/76-5	KT27/76-6
KT27/76-7	KT27/76-8