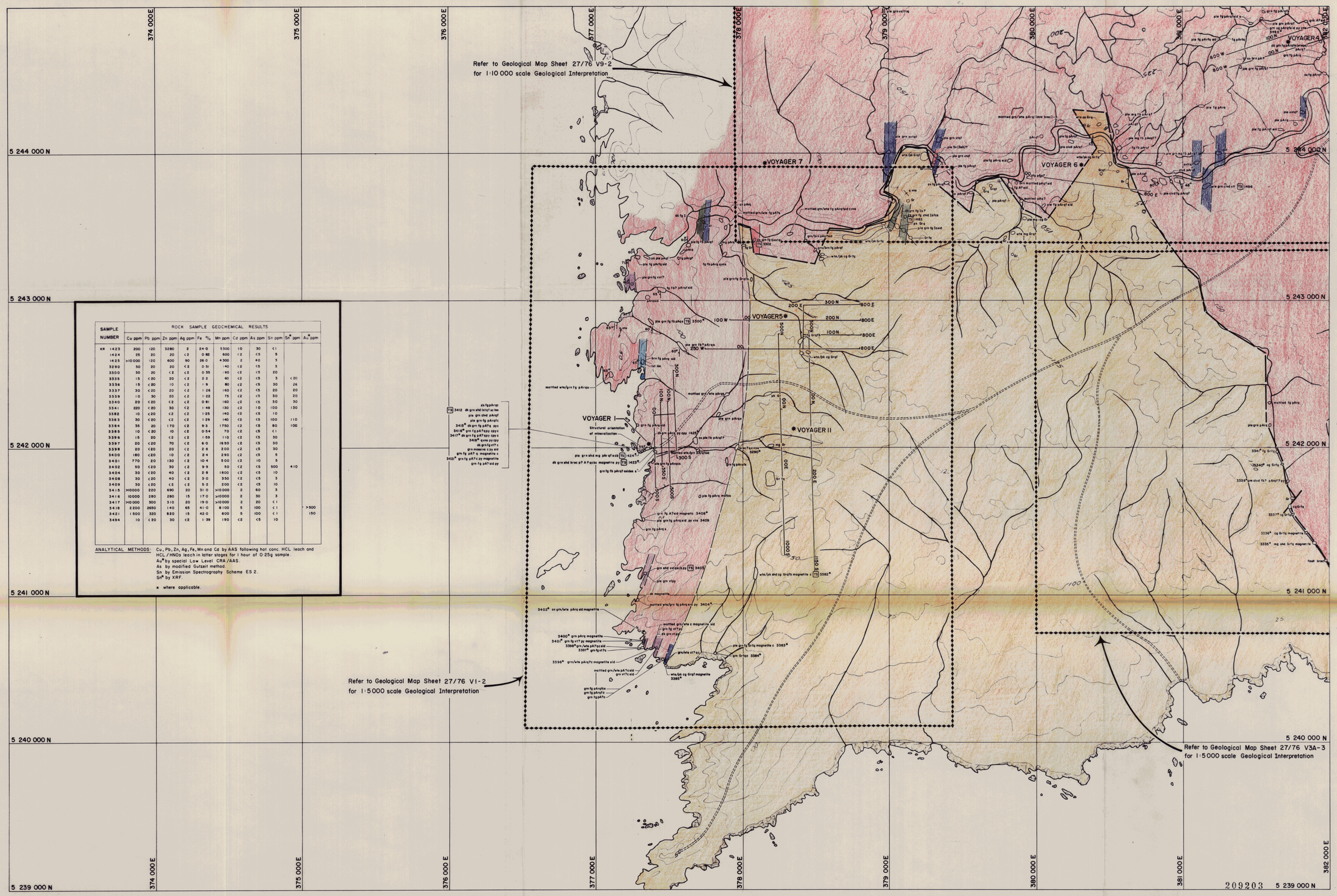

SAMPLE NUMBER	ROCK SAMPLE GEOCHEMICAL RESULTS										
	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Fe %	Mn ppm	Cd ppm	As ppm	Sb ppm	Sn* ppm	Au* ppb
KR 1423	200	120	3280	2	24·0	5300	10	30	<1		
1424	25	20	20	<2	0·82	600	<2	<5	5		
1425	>10 000	120	600	90	26·0	4 300	2	40	3		
3290	50	20	20	<2	0·51	140	<2	<5	3		
3300	30	20	<2	<2	0·35	90	<2	<5	20		
3335	15	<20	20	<2	2·2	60	<2	<5	3		<20
3336	15	<20	10	<2	1·9	80	<2	<5	30		26
3337	30	<20	20	<2	1·26	160	<2	<5	20		20
3339	10	30	20	<2	1·22	75	<2	<5	30		20
3340	20	<20	<2	<2	0·81	160	<2	<5	30		30
3341	220	<20	30	<2	1·49	130	<2	10	100		130
3382	10	<20	<2	<2	1·25	140	<2	<5	10		
3383	30	<20	<2	<2	1·29	140	<2	<5	100		110
3384	35	20	170	<2	9·3	1750	<2	<5	80		100
3385	10	<20	10	<2	0·54	70	<2	<5	<1		
3396	15	20	<2	<2	1·59	110	<2	<5	30		
3397	20	<20	70	<2	6·0	1650	<2	<5	30		
3398	20	<20	20	<2	2·8	200	<2	<5	30		
3400	180	<20	10	<2	2·4	290	<2	<5	5		
3401	770	20	130	<2	10·4	500	<2	10	5		
3402	50	<20	30	<2	9·9	50	<2	<5	500		410
3404	30	<20	40	<2	2·8	1800	<2	<5	10		
3408	30	<20	40	<2	3·0	350	<2	<5	3		
3409	30	<20	<2	<2	5·2	200	<2	<5	10		
3415	>10000	220	690	20	31·0	>10 000	2	60	3		
3416	10000	280	280	15	17·0	>10000	2	30	3		
3417	>10 000	300	310	20	19·0	>10000	2	20	<1		
3418	2 200	2650	140	65	41·0	8 100	5	100	<1		>500
3421	1 500	320	820	15	42·0	800	5	100	<1		150
3494	10	<20	30	<2	1·39	190	<2	<5	10		

ANALYTICAL METHODS: 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.

OPERATION OF LEGEND:

1. Capital letter — indicates primary classification eg. S = sedimentary rock, A = acid rock, M = basic rock
2. Lower case letters — indicates the following:
   (i) Colours - e.g. pk/grn/k = pink fragments in an acid igneous rock with a green matrix.
   (ii) Textural or structural features - e.g. xtA = crystal tuff of acid composition, eg. pAr = porphyritic acid rock, eg. aaA = aciclased acid rock.
b. As suffixes in progressive order:
   (i) Categorised - e.g. pAr = rhyolite, e.g. Za = 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 fq = lithic crystal tuff with (major) feldspar crystals and (minor) quartz crystals, e.g. fb mg pArqfb (block specs in flow banded porphyritic rhyolite with quartz (major phenocryst component, size range 1mm - 8mm), feldspar (minor phenocryst component), sericite (prominent matrix component), and black specks (minor undifferentiated accessory mineral).

NOTE: This map has been compiled from enlargements of the Tasmanian Lands Department's 1:15 840 scale topographic machine plots.

SYMBOLS:

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

SEDIMENTARY
Sch shale
Slst siltstone
Sst sandstone
Sqtz quartzite
Scong conglomerate
Sv volcaniclastic sediment

STRUCTURAL and TEXTURAL
t tuff unclassified
lt lithic tuff
xt crystal tuff
vt vitric tuff
fb flow banding
p porphyritic
clvd cleaved
shd sheared
ex exploded
vns veins
lam laminated
bxc brecciated
sch schistose

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

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
gy grey
pur purple

SILICATE MINERALOGY:
q quartz
f feldspar
mus muscovite
b biotite
c chlorite
s sericite
cb carbonate
mafick mafick
hb hornblende
sid siliceified
ferromag ferromagnesians

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

MISCELLANEOUS:
TS 3035 Thin section and rock No.
* 1162 Geochemical analysis and rock No.
Grid traverse
Anomaly centre (approximate)
Old workings
Campsite

GEOLOGICAL INTERPRETATION:

Pencil No.			
19-1		TERT	(Macquarie Beds)
19-6		L ORDO	Conglomerate (Owen type), sandstones (Scongl, Sst)
19-50		Ia	Andesite
19-67		M	Basic dyke
19-10		u€ ?	Granite (Gr)
19-13		€	Sandstone (Sst)
19-17		€	Fine grained volcaniclastic sediments (fg Sv(tuf), Sv(Sslt))
19-18		€	Coarse grained sedimentary breccia (cg S(bxc))
19-19		€	Porphyritic quartz - feldspar rhyolitic lava (fp pArqf)
19-21		€	Feldspar - quartz - biotite porphyry (cg pArfqb)
19-24		€	Rhyolitic vitric pyroclastics Vitric tuff, vitric crystal tuff (xtq, vxtq)
19-28		€	Rhyolitic crystal pyroclastics Crystal tuff, crystal lithic tuff (xtq, xltqf)
19-32		€	Rhyolitic lithic pyroclastics Lithic tuff, lithic crystal tuff, lithic vitric tuff, (lqtfqf, mglxtqf, lvtqf)
19-70		PRE €	Undifferentiated quartzite, quartz mica schist (Sqtz, fqtsm sch Sshmus)

GN MN 12.1°

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

GEOPEKO LIMITED
KING ISLAND GROUP

SCALE: 1:10,000

E.L. 27/76
ELLIOTT BAY, TASMANIA
GEOLOGICAL MAP

5 cm

005

No. KT27/76-7A

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