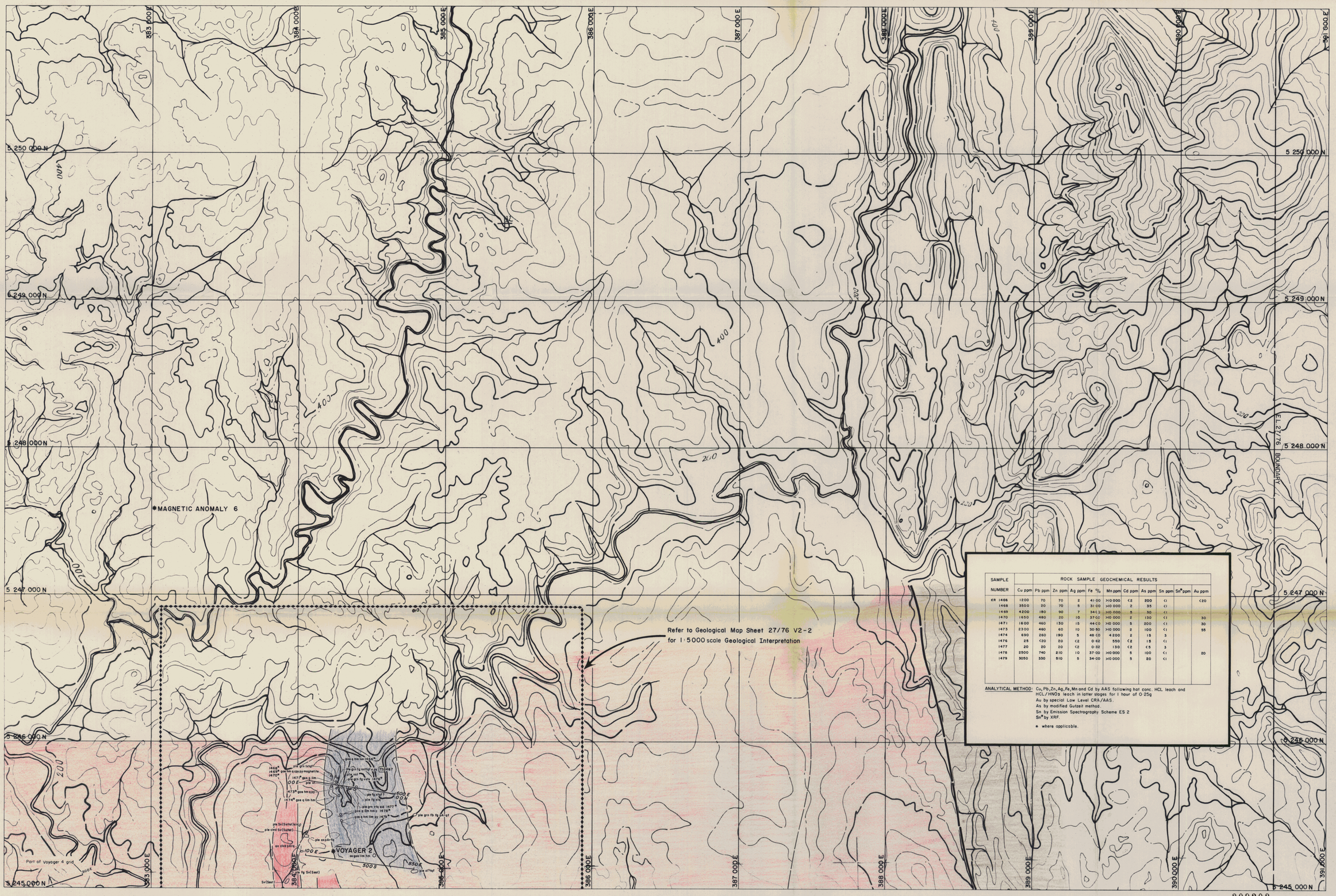

SAMPLE NUMBER	ROCK SAMPLE GEOCHEMICAL RESULTS										
	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Fe %	Mn ppm	Cd ppm	As ppm	Sn ppm	Sn* ppm	Au ppm
KR 1466	1200	70	70	2	41·00	>10 000	<2	200	<1		<20
1468	3500	20	70	5	31·00	>10 000	2	35	<1		
1469	4200	180	90	7	34·00	>10 000	5	30	<1		
1470	1650	480	20	10	37·00	>10 000	2	130	<1		30
1471	1600	460	130	15	44·00	>10 000	5	200	<1		30
1473	2300	460	60	10	30·50	>10 000	2	100	<1		55
1474	690	260	190	5	48·00	4 200	2	15	3		
1476	25	<20	20	<2	0·62	550	<2	15	<1		
1477	20	20	20	<2	0·32	130	<2	<5	3		
1478	2500	740	210	10	37·00	>10 000	5	100	<1		20
1479	3050	330	510	5	34·00	>10 000	5	20	<1		

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
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 — indicate the following
   (i) Colours : e.g. pk/grch = pink fragments in an acid igneous rock with a green matrix
   (ii) Textural or structural features : e.g. ytA : crystal tuff of acid composition, e.g. pA = porphyritic acid rock, e.g. oxA = oxidised acid rock

b. As suffixes in progressive order:
   (i) Categorised : e.g. pAr = rhyolite, e.g. Io = intermediate rock of andesitic composition.
   (ii) Mineralogy : e.g. pAr f : porphyritic (rhyolite) with feldspar phenocrysts, e.g. ytA f/b : lithic crystal tuff with feldspar (phenocrysts component) and biotite (prominent matrix component), e.g. ytA fgn : lithic crystal tuff with (major) feldspar crystals and (minor) quartz crystals, e.g. fb mg dskrgfs : black specks in flow banded porphyritic rhyolite with quartz (major phenocryst component, size range 1 mm - 5 mm), 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 1:15840 scale topographic machine plots.

SYMBOLS:

IGNEOUS
- A — acid igneous unclassified
- Ar — rhyolite
- I — intermediate igneous unclassified
- Io — andesite
- Id — dacite
- M — basic igneous unclassified
- Md — basalt
- Md — dolerite
- Gr — granite

SEDIMENTARY
- sah — shale
- Sslt — siltstone
- Sst — sandstone
- Sqtz — quartzite
- Scong — conglomerate
- Sv — volcaniclastic sediment

STRUCTURAL and TEXTURAL
- t — tuff unclassified
- tr — lithic tuff
- xt — crystal tuff
- vt — vitric tuff
- fb — flow banding
- p — porphyritic
- clvd — cleaved
- shd — sheared
- ox — oxidized
- vng — veins
- lam — laminated
- brec — brecciated
- sch — schistose

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

STRUCTURAL
- outcrop limit
- rubble boundary
- interpretative contact
- bedding
- joint
- lineavage
- primary foliation
- fault
- unconformity

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

SILICATE MINERALOGY
- q — quartz
- f — feldspar
- mus — muscovite
- b — biotite
- c — chlorite
- s — sericite
- cb — carbonate
- mafics — mafics
- hb — hornblende
- sil — silicified
- ferromag — ferromagnesians

SULPHIDE MINERALOGY
- * — sulphides
- py — pyrite
- cpy — chalcopyrite
- gn — galena
- hm — haematite
- mag — magnetite
- gos — gossan
- gra — graphite

MISCELLANEOUS
- TS 5033 — Thin section and rock No
- * 1112 — Geochemical analysis and rock No
- Grid traverse
- Anomaly centre (approximate)
- Old workings
- Composite

GEOLOGICAL INTERPRETATION

Period No			
19-1		TERT	(Macquarie Beds)
19-6		L. ORDO	Conglomerate (Owen type), sandstones (Scongl, Sst)
19-50		Io	Andesite
19-67		M	Basic dyke
19-10		U€ P	Granite (Gr)
19-13		€	Sandstone (Sst)
19-17		€	Fine grained volcaniclastic sediments (fg Sv(sst), Sv(Ssah))
19-18		€	Coarse grained sedimentary breccia (cg S (brec))
19-19		€	Porphyritic quartz - feldspar rhyolitic lava (fb pAr qf)
19-21		€	Feldspar - quartz - biotite porphyry (cg pAr fqb)
19-24		€	Rhyolitic vitric pyroclastics Vitric tuff, ashes, crystal tuff (vtq, vstq)
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, (qltqf, mglstqf, lvtuf)
19-70		PRE €	Undifferentiated quartzite, quartz mica schist (Sqtz, Pgtom sch Sehmus)

209202

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

GEOPEKO LIMITED
KING ISLAND GROUP

SCALE: 1 : 10,000

78-1317

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

5 cm

002

No. KT27/76-6A

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