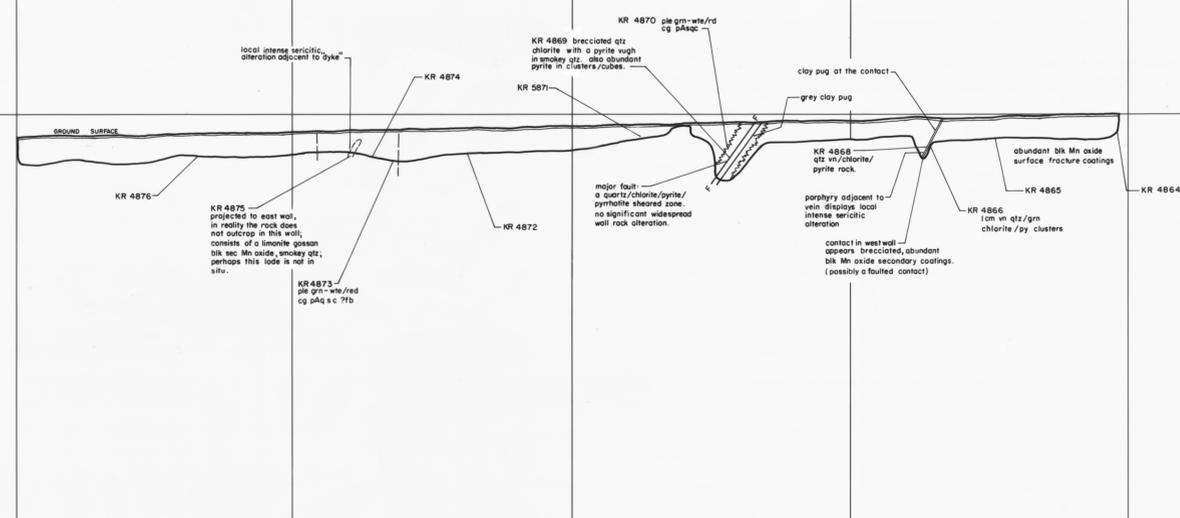
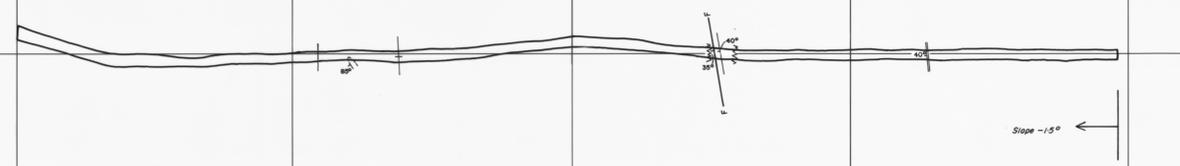


MAP SHEET
M-18
COSTEAN 4

GEOLOGICAL PROFILE



GEOLOGICAL FLOOR PLAN



BEDROCK GRAB SAMPLE GEOCHEMISTRY

Sample No.	Cu	Pb	Zn	Mn	Bi	As	Sb	Ba	Fe	W	Mo
KR 4814	40	40	160	700	40	45	1	1000	2.35%	2	<2
4813	80	80	240	700	45	5	3000	2.28%	5	2	2
4812	40	40	160	450	40	45	3000	2.05%	2	2	2
4811	40	40	240	750	40	45	3000	2.40%	2	2	2
480	40	40	240	700	40	45	1000	2.45%	2	2	2
4809	100	120	210	700	40	45	1000	3.00%	2	2	2
4808	240	120	210	700	40	45	1000	2.60%	2	2	2
4807	40	40	180	200	40	45	1000	1.80%	2	2	2
4806	40	40	180	200	40	45	1000	1.45%	2	2	2
4805	40	40	180	200	40	45	3000	2.10%	2	2	2
4804	40	40	180	200	40	45	3000	2.05%	2	2	2
4803	40	40	180	200	40	45	3000	2.05%	2	2	2
4802	40	40	180	200	40	45	1000	2.05%	2	2	2
4801	40	40	140	210	40	45	1000	1.75%	2	2	2
4800	40	40	210	780	40	45	1000	2.01%	2	2	2
4799	40	40	240	780	40	45	3000	2.10%	2	2	2
4798	40	40	240	680	40	45	3000	2.40%	2	2	2
4797	40	40	200	700	40	45	3000	2.00%	2	2	2
4796	40	40	190	700	40	45	3000	2.00%	2	2	2
4795	40	40	190	1050	40	45	3000	2.00%	2	2	2

03_4902

Tube Number 19: Black Bluff, Mariner, Mt Stomont
(EL 911966, EL 101974)
Pacer Dome Asia Pacific
Green, D. EL101974: EL11966



LEGEND

ANALYTICAL METHODS:
Cu, Pb, Zn, Bi, Ag, Mn, Cd and Fe by A.A.S. following hot conc. HCL leach and HCL/HNO₃ leach in latter stages of 0.25g sample.
Sb and Ba by Emission Spectrography Schemes E.S. 2 and 3.
As by modified Gutzet method following Potassium Pyrosulphate fusion of 0.25g sample.
W and Mo by Colorimetry.
Sn by XRF.
Analytical results in ppm, except Fe %.

SYMBOLS

igneous
A acid igneous unclassified
M basic igneous unclassified

Textural
P porphyritic
fb flow banding
vn vein
i intrusive
shd sheared

Silicate Mineralogy
q quartz
K feldspar
b biotite
c chlorite
s sericite

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

Colours
pk pink
grn green
blk black
cm cream
rd red
pale pale
dk dark

Structural
joint
primary foliation
minor fault
approximate contact
approximate position of transitional contact

Miscellaneous
rock sample number
thin section and rock number
comments: Width of caston tapers to 0.65m at base. Bedrock grab samples for geochemistry were taken at 0.5m intervals across the 5m sampling width.

scales:
Vertical - 1:100
Horizontal - 1:250

GEOLOGICAL INTERPRETATION

19-53 HOLOCENE All soil horizon - blk peat, residual quartz phenocrysts

19-41 Strongly foliated porphyry - wte/dk gm cg pAg sc 7fb

19-41 Altered porphyry - wte/dk gm cg pAg sc

19-12 Moderately weathered porphyry - wte - pk - gm/pk cg pAg sc

19-19 Unweathered porphyry - wte - gm - cm/dk - pk - cg pAg sc

19-7 Porphyry dyke - blk gm fg pAg sc

19-48 Basic dyke - dk gm fg iMc

MAP NORTH
MAG NORTH
MARINER GRID NORTH

GEOPEKO
A DIVISION OF PEKO-WALLSEND OPERATIONS LTD, DEVONPORT BASE

SCALE: 1:250 (Horizontal) 1:100 (Vertical)

No. KT 10/74-M-18

E.L. 10/76 BLACK BLUFF, TASMANIA
MARINER 3
COSTEAN 4

DATE: APRIL '79
GEOLOGIST: G.L.B.
DRAWN: J.P.M.
CHECKED: J.P.M.