

NOTE
 This interpretation is based upon —
 surface (KT 10/74-M-3B),
 floor (KT 10/74-M-3C), and
 auger hole rock chip (KT 10/74-M-3D)
 geological data.

SYMBOLS
 2739 This section and rock number
 2742 Rock sample for geochemical analysis.
 --- Interpreted contact
 ● Power auger hole
 ○ Hand auger hole
 ○ Auger core hole
 ○ Grid position

GEOLOGICAL INTERPRETATION
 Pattern
 19-47 TERT. Olivine basalt (thin)
 19-48 TERT. Olivine basalt (thick)
 19-20 G Biotite feldspar quartz porphyry
 19-41 C Argillite - chlorite (biotite feldspar) quartz porphyry
 19-41 G Argillite - chlorite (biotite feldspar) quartz porphyry intruded by quartz veins with associated pyrite (arsenic mineralization) and massive (S) quartz veins (Mineralogy of Mariner 3)

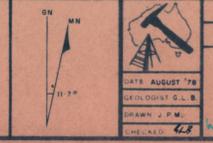
AUGER CORE HOLE ROCK GEOCHEMISTRY: (ppm)

KR	Depth Interval (m)	Cu	Pb	Zn	Ag	Cd	Mn	Sn	Ba	Fe %
2717	8-94 - 9-04	120	1760	520	10	5	520	100	500	4.0
2718	11-28 - 11-38	160	7800	290	55	5	7600	100	1000	2.9
2718*	11-28 - 11-38	170	7900	300	60	5	7650	—	—	3.0
2719	18-64 - 18-74	110	310	1000	2	2	1680	50	500	3.6
2720	17-87 - 17-97	5	110	350	02	5	650	80	1000	1.8

* Denotes repeat and check analysis



03_4902
 Tube Number 19: Black Bluff, Mariner, Mt Stormont
 (EL 91966, EL101974)
 Placer Dome Asia Pacific
 Green, D. EL101974; EL91966



GEOPEKO
 A DIVISION OF PERG-WALLEND OPERATIONS LTD
 No KT10/74-M-3A
 SCALE 1:5000
 DATE AUGUST 78
 DRAWN BY J. M. W.
 CHECKED BY G. C. B.
 44 OCT 79 with rock sample locations

EL10/74 BLACK BLUFF, TASMANIA
 MARINER 1, 2 and 3
 INTERPRETATION GEOLOGICAL MAP