



Mariner 7

- Diphen II anomaly and Pb anomaly in stream sediment.
- Grid of 41km.
- C-horizon geochemistry at 25m intervals.
- Pole-dipole I.P. survey.
- No anomalous results from geophysics but a spot Pb value of 950ppm and 805ppm.
- No further work although Diphen II anomaly not explained.

Mariner 6

- Diphen II magnetic anomaly and old workings.
- Grid of 41km.
- C-horizon geochemistry at 12.5m intervals.
- Mapped at 1:1000.
- Magnetics SP and I.P.
- Contourable Au anomaly coincident with resistivity low and old workings.
- Drill hole targeted and drilled to 96.75m without success.

Mariner 4

- Thermal metamorphism, old workings and anomalous stream sediment geochemistry.
- 3.2km gridding.
- C-horizon geochemical samples at 25m intervals.
- Mapped at 1:2500.
- Discouraging results, therefore no further work.

Mariner 5

- Extension to Mariner 1 and 3.
- 20.6 km gridding.
- C-horizon geochemistry over inliers in basalt and planned concentrate geochemistry.
- 2 short percussion holes did not penetrate basalt.
- Ground magnetics and S.P.
- Gravity survey located granite/porphyry contact.

Mariner 2

- Previous work by Tasminex and Union Oil - old Au workings.
- 6.4 km gridding.
- C-horizon geochemistry at 25 m centres.
- Mapped at 1:5000.
- No encouragement from the above work.

Mariner 1

- Previous work by Union Oil located an I.P. and geochemical anomaly.
- 10.6 km gridding.
- C-horizon geochemistry at 25m centres.
- Mapped at 1:5000.
- Ground magnetics, S.P. gradient array, I.P. and VLF.
- Geochemical anomaly - peak values: 440 ppm Cu, 410 000 ppm Pb, 1400 ppm Zn, 240 ppm Sn, 15 ppm Ag and 0.7% As.
- S.P. anomaly (-50mV) coincident with gradient array and VLF.

Mariner 3

- Extension to NE. of Mariner 1 following geochemical anomaly.
- 7 km gridding.
- Mapped at 1:5000.
- S.P. anomaly (-180mV) coincident with I.P. and VLF.
- Several Cu-Zn anomalies.
- 2 costans and 1 drill hole to 137.5m.
- Results indicated zones of veinlets with pyrite-chalcocopyrite and quartz.

Structure:

- Fault
- Geological contact
- Anticline
- Syncline

Geology

- Holocene - Alluvium, glacial debris, swamp soil.
- Tertiary - Basalts and sediments.
- Ordovician - Conglomerates sandstone and limestone.
- Cambrian - Upper lithic, vitric tuffs and sediments.
- lower quartz feldspar biotite porphyry.

03_4901

Tube Number 15: Black Bluff, Mackintosh East, 1976-81 (including EL10/1974) Please Don't Ask Pacific Green, D. EL10/1974

GEOPEKO
A DIVISION OF PEKO-WALLSEND OPERATIONS LTD.

Scale 1: 25 0 25 50 75 100 125 150 175 200 225 250 metres

Interpreted By: J.P.
Drawn By: R.T.
Date: July
Approved By: _____
Revision By: _____ Date: _____
Revision By: _____ Date: _____

E.L. 10/74
BLACK BLUFF, TASMANIA
Summary Map of Geology and Prospect Locations

DRAWING NO. 1
SHEET NO. KP 10/74-3-05