

- (a) Geochemical assay charges for 178 soil samples and 30 rock samples
\$599

3.3.2 Basin Lake

Previously located geophysical and geochemical anomalies in the western section of the grid will be followed up with geological mapping, and soil and rock chip geochemical sampling. In addition, to further evaluate the zone of disseminated to massive pyritic mineralisation intersected in D.D.H. BL4 in the eastern section of the grid during 1980-81, a ground E.M. survey will be conducted.

- (a) Geochemical assay charges for 200 soil samples, 20 stream sediment samples and 100 rock samples \$2,522
- (b) Contract geophysical charges for E.M. survey \$1,000
- TOTAL \$3,522

3.3.3 Jukes Proprietary Mine

A comprehensive geological/geochemical/geophysical and diamond drilling programme will be conducted to evaluate the extent of gold mineralisation reported from the Jukes Pty. copper mine. Sampling of the dumps during 1980-81, and previous sampling of underground workings by B.H.P.-Inco in 1972-74 indicate that the higher grade chalcopyrite mineralisation may contain significant gold values. A 7 m cross-cut sample collected by B.H.P.-Inco assayed 5.3 g/t Au and 16 g/t Ag. Two diamond drill holes totalling 300 m have been programmed to test this zone.

- (a) Establishment of 10 km of 100 m spaced grid lines by Mount Lyell field assistants
- (b) Geochemical assay charges for 400 surface and underground rock samples at \$9 each, and 200 drill core samples at \$11 each \$5,800
- (c) Contract geophysical charges for gradient array and dipole-dipole I.P. surveys (\$8,400), ground magnetic survey (\$1,800), Applied Potential survey (\$6,000), ground E.M. survey (\$1,500) and drill hole logging (\$900) \$18,600
- (d) Diamond drilling - 300 m \$21,000
- (e) Helicopter charter to support above programmes (49 hours) \$24,500
- TOTAL \$69,900

3.3.4 Huxley Area

The belt of volcanics extending for 8 km south of the Mount Lyell mine lease to the southern margin of the King Gorge contains many minor gold, copper and pyrite occurrences and has been only superficially explored. A programme including a combination of airborne E.M. (Dighem or Geonics 33-3) and stream sediment sampling will be conducted during 1981-82.

- (a) Geochemical assay charges for 400 stream sediment and 50 rock chip samples \$1,125
- (b) Geophysical contract charges for 300 line-km of helicopter airborne E.M. using a line spacing of 150 m - unit cost of \$84.80/line km \$25,410
- TOTAL \$26,565