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SUMMARY AND RECOMMENDATIONS

A total of 1,374 line-km of DIGHEM<sup>III</sup> electromagnetic/resistivity/magnetic surveys was flown in March and April, 1983, over three survey blocks held by Comstaff Pty. near Rosebery and Waratah, Tasmania.

The East Chester area was highly resistive with a few zones of intermediate resistivity. The magnetic field was moderately active. Only three x-type responses of possible bedrock origin were located.

The North Pieman area, which was flown in a grid fashion, displayed resistivities ranging from 0.1 to in excess of 1,000 ohm-m. A number of conductive zones were detected reflecting conductive material in the bedrock. The magnetic field was active, showing well distinguished trends paralleling approximately the conductive features. Many EM anomalies were outlined reflecting discrete bedrock conductors.

The ground resistivities in the Arthur River area ranged from less than 1 ohm-m to in excess of 1,000 ohm-m. Conductive zones of large lateral extent are present which are due to wide conductive rock units buried under resistive cover, or due to near-surface conductive rock units. Conductive