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SCINTREX

COMMENTS ON
GRADIENT ARRAY ELECTRICAL INDUCED POLARIZATION
AND TOTAL MAGNETIC FIELD SURVEYS
CARRIED OUT OVER THE MT. BLACK GRID
NEAR ROSEBERY, TASMANIA
ON BEHALF OF
ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED

INTRODUCTION

At the request of Mr. G. Dunbar, Chief Geologist for West Coast Mines division of Electrolytic Zinc Company of Australasia Limited, Scintrex Pty. Ltd. performed a gradient array electrical induced polarization reconnaissance survey over some 34 line kilometres of grid in the Mt. Black area, near Rosebery Tasmania.

The EIP work was carried out on 4 single and 5 double operator days between 30th November and 18th December, 1978, and 9 single and 3 double operator days between 11th and 26th January, 1979. The earlier part of the survey was marred by a fire in the motor generator/alternator section while enroute to the first set-up. The damage caused by this fire was far more difficult to rectify than first appeared likely. The latter part of the survey was affected by severe magnetic storm activity, which also delayed the magnetic field survey. The latter was carried out by three operators on line and a base station, and took some six production days between 28th January and 2nd February, 1979.