

**SCINTREX**

A REPORT ON

A GRADIENT ARRAY RECONNAISSANCE EIP SURVEY

OVER THE MURCHISON GRID

NEAR TULLAH, TASMANIA

ON BEHALF OF

ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED

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*INTRODUCTION*

As part of a series of surveys undertaken for the West Coast mines division of the Electrolytic Zinc Company of Australasia Limited during the 1978-79 field season, some 12 100 metre spaced lines were surveyed over the Murchison grid whose co-ordinates are 5375100N to 5376200N and 384000E to 384900E.

This survey was carried out by Scintrex operator Mr. D. Webb, B.Sc. (Hons) under the supervision of Mr. R. Williams Senior Exploration Geologist for West Coast Mines.

The work was carried out over six production days between 29th-31st March and 13th-16th May, 1979. The grid set-up is shown in relationship to the Mt. Black grid on the location diagram.

*EQUIPMENT*

The equipment used consisted of a  $2\frac{1}{2}/3$  kilowatt Australian built time domain induced polarization transmitter powered by an 8HP Briggs and Stratton motor generator. The resultant primary and secondary potential fields so generated were investigated using Scintrex IPR-8 receivers. While three slices under the decay curve were recorded, only  $M_3$  has been plotted, comments being made on the