

SCINTREX

A REPORT ON

AN EIP GRADIENT ARRAY RECONNAISSANCE SURVEY

DOBSONS CREEK, NEAR ROSEBERY, TASMANIA

ON BEHALF OF

ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED

INTRODUCTION

At the request of Mr. J. McDonald, Chief Geologist for the West Coast Mines division of the Electrolytic Zinc Company of Australasia Limited, Scintrex Pty. Ltd. executed a gradient array reconnaissance electrical induced polarization survey over the Dobsons Creek grid, near Rosebery.

The work was carried out under Scintrex crew leader Mr. P. List assisted by second operator Mr. T. Kirby on some 19½ double and 3 single operator days between 25th February and 26th March, 1980. On-site supervision was provided by Mr. J. Mill, Senior Exploration Geologist.

METHOD

The method is briefly described in the attached appendix.

A 2 second on, 2 second off, reverse and repeat cycle was employed for energisation, while a 2 second receiver programme with three slices was used to monitor the energisation.

EQUIPMENT

The energisation was provided by a Scintrex 10/15 kilowatt transmitter powered by a Volkswagen motor generator. The resultant primary and secondary potential