

SCINTREX

COMMENTS ON

GRADIENT ARRAY DETAIL AND DIPOLE-DIPOLE DETAIL
AT MT. BLACK AND CONTIGUOUS AREAS
NEAR ROSEBERY, WEST COAST TASMANIA
ON BEHALF OF
ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED

INTRODUCTION

A series of dipole-dipole and gradient array detail surveys were carried out within the Mt. Black gradient array reconnaissance survey area, (described in report TAS-065 dated March, 1979 by the author), and in areas contiguous to the Mt. Black grid known as Langdons and Mt. Sale.

This work, together with areas at Murchison, Bulgobac and White Spur, were surveyed by a Scintrex crew over various dates between 11th April and 14th June 1979. The party was led by Mr. B. Ekstrom to 11th May, 1979 and thereafter by Mr. D. Webb, B.Sc. Second operators over this period included Mr. P. List, Mr. T. Von Strokirch, B.Sc., and Mr. R. Sims.

On site geological supervision and direction was carried out by Senior Exploration Geologist Mr. R. Williams, and Project Geologist Mr. J. Mills.

EQUIPMENT

The equipment used on these surveys consisted of a $2\frac{1}{2}/3$ kilowatt Australian built time domain induced polarization transmitter powered variously by a 4HP and 8HP Briggs and Stratton motor generator. The resultant primary and secondary potential fields so generated were investigated using analog Scintrex