FINAL REPORT

ON

AUTHORITY TO PROSPECT No 3341

DALY RIVER

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CONTENTS

INTRODUCTION

GEOLGY

GEOPHYSICS

CONCLUSION

REFERENCE MAPS

(1) LOCATION MAP: PINE CREEK

(2) GEOLOGY 1 MILE SERIES DALY RIVER

(3) SKETCH LOCATION MINING LEASES
INTRODUCTION

This Authority to Prospect No 3341 containing an area of approximately 50 square miles was approved by His Honorable Administrator on the 11th August 1971 for a period of twelve months expiring on the 10th August 1972.

This area was previously held by Henry and Walker Pty Ltd, but no information or reports covering exploratory work carried out by them could be obtained.

The location of the area is shown on the Pine Creek Oopo-map enclosed.
GEOLGY

The whole of the area was covered by our prospecting programme by four-wheel drive vehicles and on foot during the period granted. It was found that the Daly River Geology Map (1 inch series) enclosed accurately describes the geology of the area.

No surface signs of mineralisation were detected except for minor traces of tin on the western slopes of the Mt Mancar Range. It was ascertained from Bob Judge that he mined 11 tons of tin near to on Mt 403B some years ago.

It is therefore within reason to assume that other deposits could have existed on the slopes of this range in the past and that the alluvial plain at the foot
of the range could now contain tin.

This alluvial plain also consists inter alia of several large deposits of sand which may be economically mined when sources closer to Darwin are exhausted.

Two leases M1 47R and M1 48R were therefore pegged and applied for in Darwin. These applications were recommended by the Warden on the 4th August 1972 but have yet to be approved by the Administrator. The sketch map of Mining Leases enclosed refers.

GEOPHYSICS

A general ground survey using a scintillometer was conducted during the period but no readings above normal background were noted.
CONCLUSION

It would appear that the copper and silver lead deposits centred around the Daly River Copper Mine do not extend to the south, and that expenditure on further exploratory work in this area is not warranted at this time.

Conversion of this Authority to Prospect to an Exploration Licence was therefore not sought.