EL 5126

ANNUAL REPORT FOR THE PERIOD

20 FEBRUARY 1988 TO 19 FEBRUARY 1989

Prepared by ENTERPRISE GOLD MINES N.L.

for Mr. Dale Page
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1. INTRODUCTION

This report was prepared by Enterprise Gold Mines N.L. for Dale Page, the tenement holder of EL 5126. The report summarises exploration work carried out on the tenement for the year ending 19 February 1989. The report is presented to the Northern Territory Department of Mines and Energy to fulfil the tenement holders annual reporting requirements.

EL 5126 is located 170 kilometres south-east of Darwin. The centre of the area is approximately 24 kilometres north-west of Pine Creek (Fig. 1).
2. PREVIOUS MINING HISTORY

There appears to be no recorded gold production from the area. Minor alluvial workings exist in the north-west of EL 5126 but whether the alluvial material won was gold or tin is enigmatic. Minor hard rock workings exist in the central area and appear to have been tin workings. Eluvial tin appears to have been won from the region of granite contact in the south-west of the area.
3. GEOLOGICAL SETTING AND EXPLORATION TARGETS

The exploration licence area contains metasediments of the Burrell Creek and Mount Bonnie formations. Both formations host significant gold deposits in other areas of the Pine Creek Geosyncline. Outcrops of both formations were considered worthy of rock chip geochemistry for indications of hard rock gold potential.

4. EXPLORATION COMPLETED

Preliminary base maps have been compiled from both black and white and coloured aerial photographs. A preliminary structural analysis has been prepared using the same source.

Following the assay results of 26 rock chip samples a stream sediment sampling program was designed and executed. A total of 184 stream sediment samples were submitted to Australian Assay Laboratories in Pine Creek for analysis by low level fire assay for gold. Other elements analysed include As, Sb, Au, Pb, Zn and Bi.
5. ESTIMATED EXPLORATION EXPENDITURE

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<td>Geological</td>
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6. CONCLUSIONS

It was concluded that potential for economic hard rock mineralisation does exist. A proposed expenditure and work program for 20 February 1989 to 19 February 1990 is enclosed.

7. RECOMMENDATIONS

It is recommended that further geological mapping be executed. Grids should be erected over anomalous areas and 5 kg samples analysed by BLEG methods.
EL 5126 – PROPOSED EXPENDITURE
AND WORK PROGRAM

20 FEBRUARY 1989 TO 19 FEBRUARY 1990

MAPING

It is proposed to map EL 5126 in more detail.
Anticipated time is 30 days. Expenditure $9 000.00.

SOIL SAMPLING

Gridding and soil sampling will be conducted over
selected anomalous areas. Anticipated expenditure
will be $10 000.00.

COSTEANING/DRILLING

Costeaning and drilling are subject to the results
obtained from the soil and rock chip sampling.

Ian Turner,
ENTERPRISE GOLD MINES N.L.