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RENISON.

QUARTERLY-REPORT - EL 42/71

period ending. 23-2-82

Quarterly Report for the three
months

82-1755

O.H.M.S.

IF NOT DELIVERED WITHIN 14 DAYS,
PLEASE RETURN TO:
G.P.O. BOX 124 B, HOBART, TASMANIA 7001

781c.

16 MAR 1982

E.L. 42/71

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QUARTERLY REPORT FOR THE 3 MONTHS ENDING 23/2/82INTRODUCTION

E.L. 42/71 covers an area south and west of Renison's Mining Lease. The Western portion is referred to as the Argent Area, while the Southern area includes the Grand Prize Mining Leases.

GEOLOGY

The area is underlain by Lower Cambrian sediments which host the Renison and Razorback tin deposits and in view of its proximity to both these mines, it is considered to have good potential for the discovery of stanniferous hydrothermal deposits.

PREVIOUS WORK

Parts of the area have been the subject of exploration by various companies over many years. Renison has been conducting continuous exploration programmes since 1971.

For further details on geology and previous work, the reader is referred to the 1980/81 Annual Report.

WORK COMPLETED IN THE QUARTER ENDING 23/2/821. ARGENT AREA

No active field work during the period.

Expenditure \$2,512.

2. GRAND PRIZE AREA2.1 Magnetometer Survey

A ground proton magnetometer survey was completed covering most of the access tracks in the Grand Prize Area. Plotting of results is in progress. However, initial inspection of the data shows the area to be relatively "noisy" with the highest contrasts encountered adjacent to the Melba Spilite/Dundas Group contact (refer to geological map enclosed in the

82-1755

report for the quarter ending 23/11/81). Limited cross-strike traverses and high "noise" make correlations with mapped geology of the Dundas Group tenuous.

2.2 Diamond Drilling

Drilling recommenced at Grand Prize with S947, collared on the 21st January, which is designed to test the mineralised conglomerate intersected in S764 adjacent to the Grand Prize Fault. Lithologies intersected to date comprize:-

- 0.0-209.9m - Brewery Junction siltstones and grits.
- 209.9-279.9m - Razorback conglomerate.
- 279.9-390.5m - Hodge Slate - mainly siltstones.

The last 70m of the Hodge Slate has been extremely broken and has necessitated temporary suspension of the hole until a bigger rig can recommence drilling in mid March. The Grand Prize Fault is expected at about 450m.

Expenditure \$74,065.

WORK PLANNED FOR THE QUARTER ENDING 23/5/82

1. ARGENT AREA

A 500-700m vertical diamond drill hole is planned for commencement in mid-March. The location of this hole is shown on the accompanying 1:10,000 geology plan (coords 18290N, 13450E); it is designed to test geophysical and geochemical anomalies and for mineralisation within the Renison Mine Sequence. In early May, a declined diamond drill hole will be drilled testing the Northern extension of the Federal structure at a depth of approximately 500-600m below surface. Total length of hole, 700-800m.

Budgetted Expenditure \$94,632.

2. GRAND PRIZE AREA

The current hole will be continued through the Grand Prize Fault and through the mineralised conglomerate in the

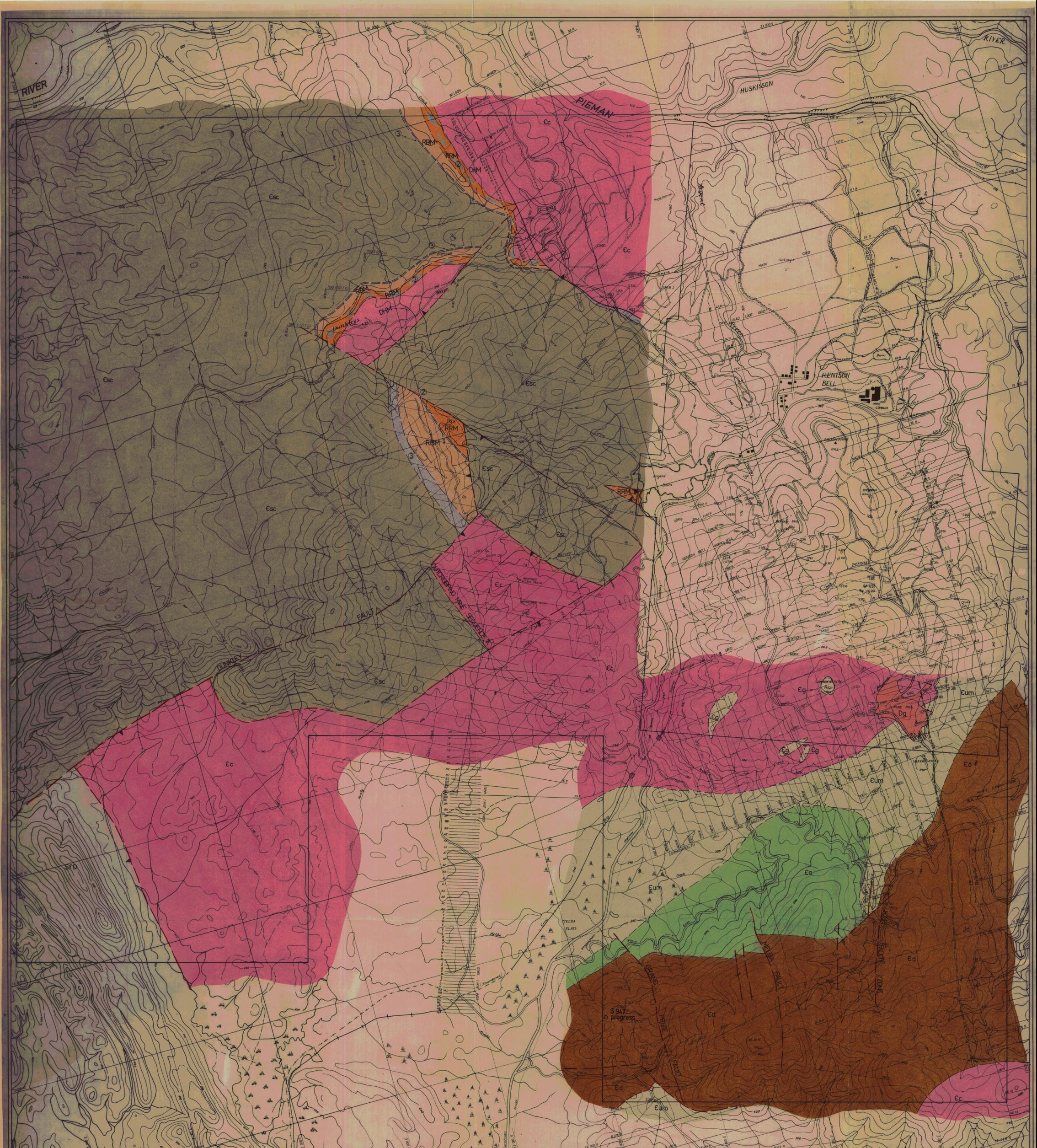
immediate footwall, a total distance of 500-600m. A second hole, designed to test the same target further north will then be drilled, and any further drilling will depend on the results from these two holes.

Budgetted Expenditure \$33,280.

Enclosed:

1. 1:10,000 Geological Plan, E.L. 42/71.
2. 1:2,000 Geological Plan, Grand Prize Area.

P. Stephenson.
(P R STEPHENSON)



KEY

- Inferred Fault
- Definite Fault
- Inferred Geological Boundary
- Definite Geological Boundary
- Traverse Line
- Diamond Drill Hole

LEGEND

SEDIMENTS	IGNEOUS ROCKS
SD Silurian / Devonian	Jd Jurassic Dolerite
E4 Middle to Upper Cambrian Dundas Group	Gd Devonian Gneiss
Ec Lower Middle Cambrian Cronan Creek Formation	Cs 1' and Middle Cambrian Merino Spillites
DSC Lower Cambrian Dundas Creek Group	Cum Mid and post mid Cambrian Ultramafic Complexes
	Cg Cambrian Gabbro
MEMBERS	
DhM Oreadought Hill Member	
1 N° 1 Horizon	
RRM Red Rock Member	
2 N° 2 Horizon	
RRM Renison Bell Member	
3 N° 3 Horizon	
DM Daisath Member	

REVISIONS

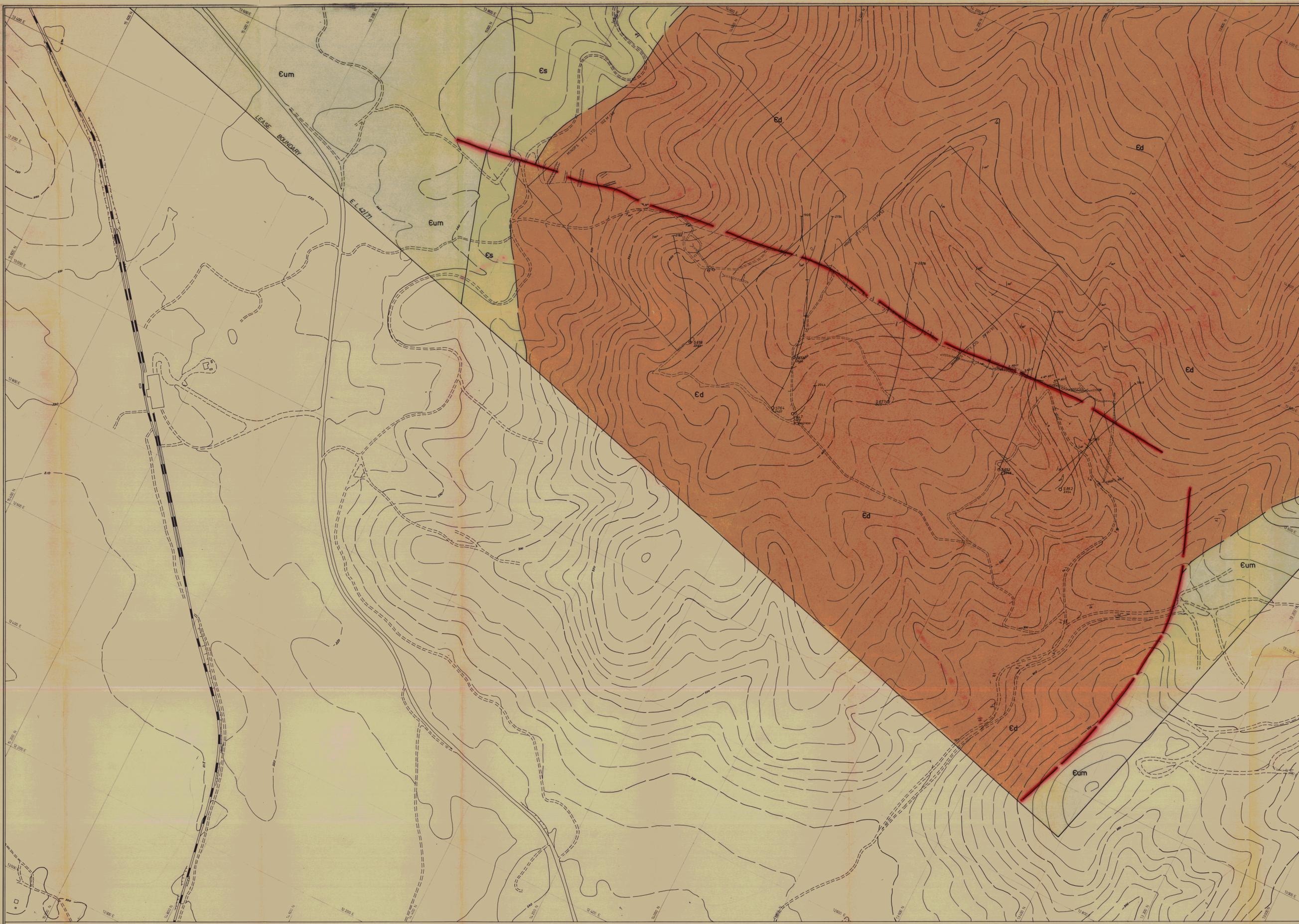
Geologist : P.R.S. SCALE: 1:1000 METRES

Draughtsman : E.V. DATE : AUGUST 1981

REVISIONS : DRAWING No. FIG. 2

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INTERPRETATIVE GEOLOGY
E.L. 42/71

5m



- LEGEND**
- Undifferentiated - Mid - Upper Cambrian Dundas Group
 - Undifferentiated - Mid and Post Mid Cambrian Ultramafic Complex
 - Splittes - Post Mid Cambrian Melba Splittes
 - Fault
 - Approximate Geological Boundary

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GRAND PRIZE AREA
 INTERPRETATIVE GEOLOGY

GEOLOGIST : L. D. Bond
 DRAUGHTSMAN : J. M. Matthews
 DATE : August 1980
 REVISIONS :

SCALE 1:2000 METRES

 DRAWING No. **FIG. 13**