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<b>MINES</b>	
File Ref.	<b>EL19/86</b>
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E.L.19/86

TRIAL HARBOUR, TASMANIA

ANNUAL REPORT FOR THE PERIOD OCTOBER 1987 - SEPTEMBER 1988

AND

RELINQUISHMENT REPORT

ROGER POLTOCK GEOLOGICAL PTY LTD

for M.G.CREASY

**OPEN FILE**

**AMG REFERENCE POINTS ADDED**

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WORK COMPLETED BY M.G.CREASY

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REFERENCES

GREEN T.H The Geology of the Trial Harbour District.  
Papers and Proceedings of the Royal Society of  
Tasmania, Vol 100.

POLTOCK R. 1987 Trial Harbour, Tasmania  
Annual Report for the Period October 1986 to  
September 1987.

WATERHOUSE L. 1916 The South Heemskirk Tin Field.  
Tasmanian Department of Mines  
Geological Survey Bulletin No.21.

002

SUMMARY

The interpreted occurrence of stranded and reworked beach deposits in Fen Creek area were investigated using panned concentrate stream geochemistry and reconnaissance geological mapping.

The beach deposits weren't located and significant concentrations of heavy minerals weren't observed in panned concentrates.

#### INTRODUCTION

E.L.19/86 is located at Trial Harbour on the West Coast of Tasmania, the licence covering an area of 21skm see Fig.1.

The area was granted to R.W.Creasy on 27-10-1986.

The licence is accessed from Zeehan on an all weather gravel road which ends at Remine a holiday village at Trial Harbour. The ultramafic outcrops on the beach and extends inland for about 2.5 km to the Little Henty River. Most of the area is sparsely vegetated.

The ultramafic occurs within the Cambrian Crimson Creek Formation sediments, both rock types have been locally metasomatized and hornfelsed by the Devonian Heemskirk Granite Batholith which is located several hundred metres to the north see Fig.2.

Ordovician to Devonian sediments are exposed in the Little Henty Syncline in the south and east.

NW trending faults have down faulted a block of Permian sediments and a Jurassic dolerite sill in the south.

Extensive Quaternary beach deposits blanket older lithologies in the coastal section of the licence.

**CONCLUSIONS AND RECOMMENDATIONS**

In the past two years exploration the gold/ platinoid potential of the ultramafics has been fully tested. Industrial and precious metal potential of beach sands has been partially tested.

No further exploration is warranted in the area.

#### PREVIOUS EXPLORATION

The Trial Harbour ultramafic lies on the southern limit of the South Heemskirk Tin Field, the granite and enclosing rocks have been prospected for tin since the 1870's.

Nickel mineralization at Trial Harbour was explored in the early 1900's, the workings were already abandoned when Waterhouse investigated the area in 1916.

Green carried out detailed geological mapping and a petrological study of the ultramafics and enclosing sediments in the contact metamorphic zone of the Heemskirk Granite at Trial Harbour.

Modern exploration by mining companies has focused on the tin tungsten potential of the granite and its metamorphic aureole. Contact tin greizens are located in the northern part of E.L.19/86 and calcsilicate hornfels have been mapped in Crimson Creek Formation carbonates in the Little Henty River. Renison Ltd was the last company to hold the area as part of E.L 11/76.

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WORK COMPLETED BY M.G. CREASY

1986 - 1987

The gold and platinoid potential of the Trial Harbour Ultramafic was assessed with a stream and rock geochemical sampling program see Poltock 1987.

1987 - 1988

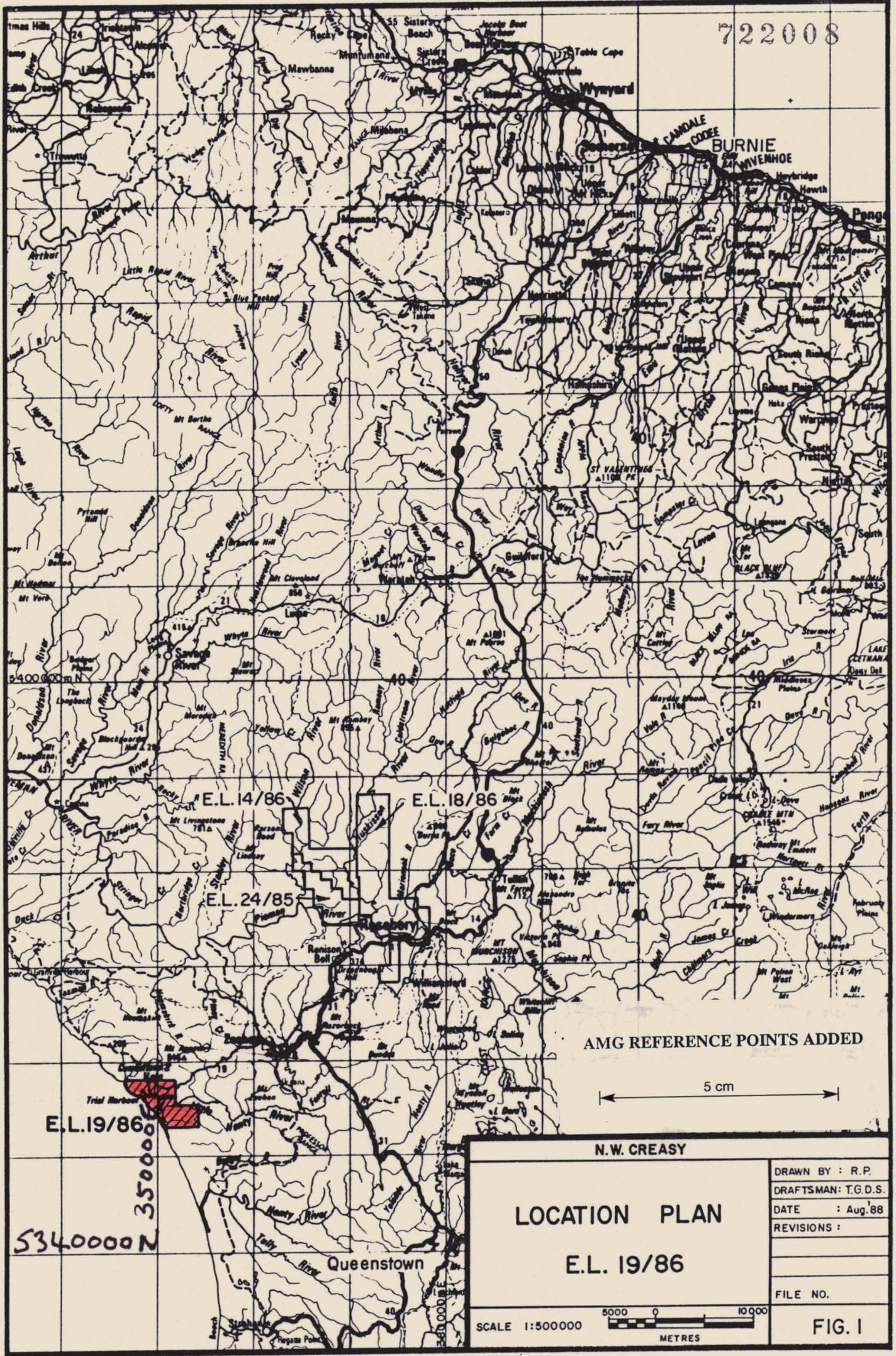
An interpreted area of stranded and reworked beach deposits overlying Gordon Limestone in the upper section of Fen Creek were assessed for their precious and industrial metal content.

A 1.5km access line from Ocean Beach through thick coastal heath was cut see Fig.3.

A large panned concentrate (No 1765) was collected from streams draining the area of interest. The concentrate was only visually assessed, no precious or industrial metals were present. An active stream sediment was also collected from the same area, this sample (No 1766) was not analysed.

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35000

E.L. 14/86

E.L. 18/86

E.L. 24/85

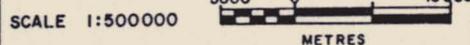
E.L. 19/86

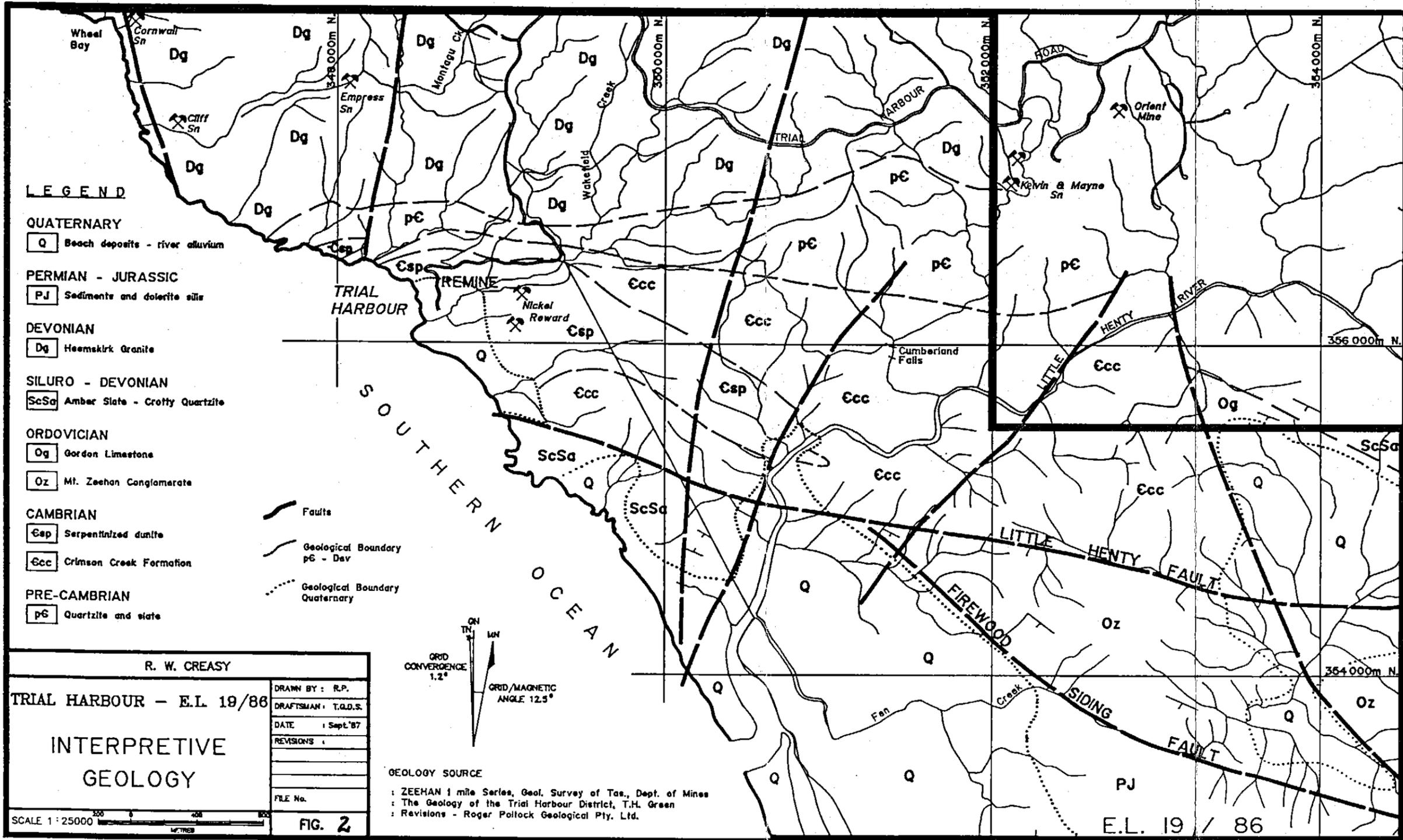
Queenstown

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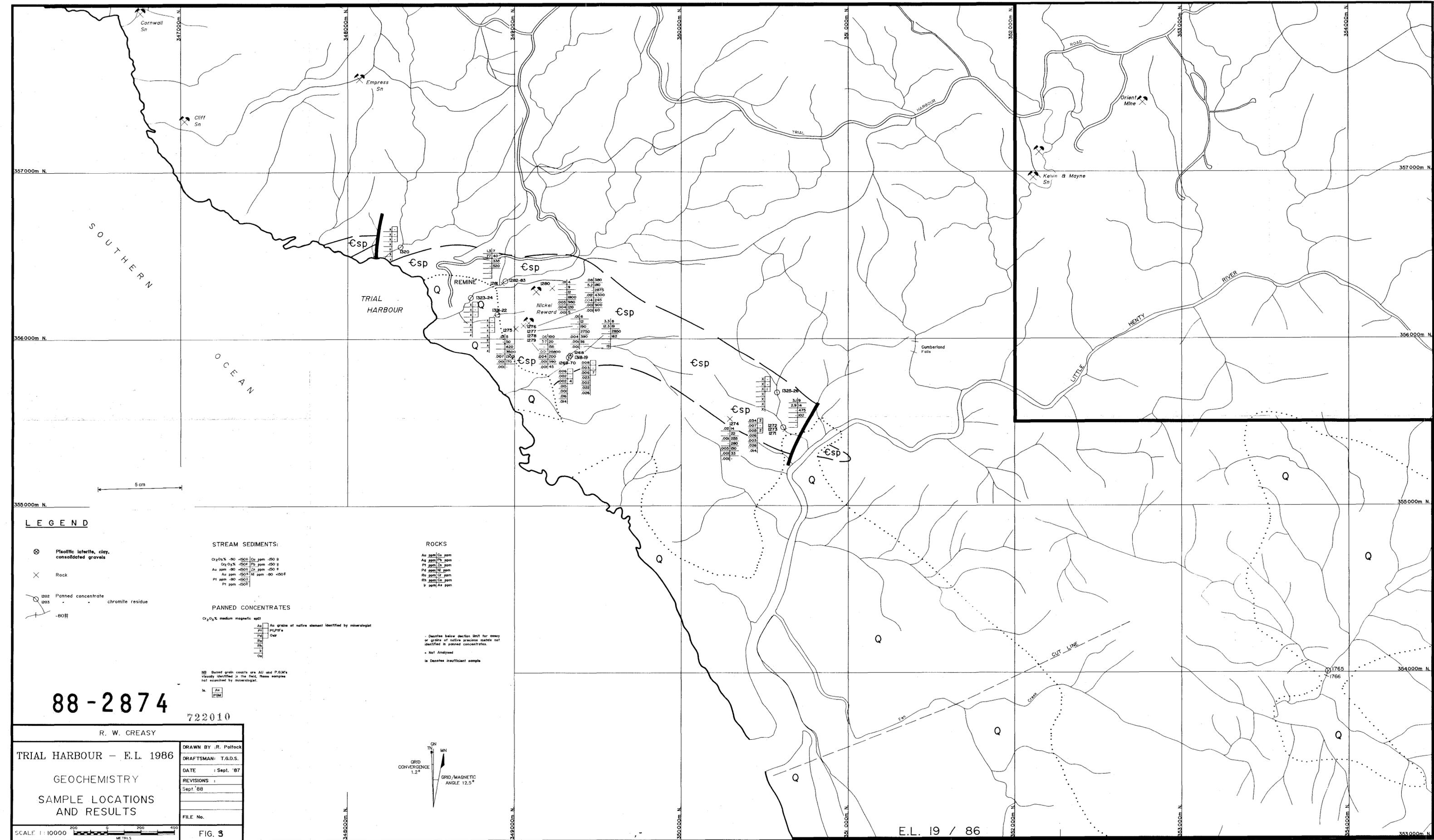


N.W. CREASY	
<b>LOCATION PLAN</b>	
<b>E.L. 19/86</b>	
DRAWN BY : R.P.	
DRAFTSMAN: T.G.D.S.	
DATE : Aug. 88	
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<b>FIG. 1</b>	





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LEGEND

- ⊗ Plasillic laterite, clay, consolidated gravels
- × Rock
- 1002 Panned concentrate
- 003 chromite residue
- 80#

STREAM SEDIMENTS:

Cr<sub>2</sub>O<sub>3</sub>% -80 -H501 Cu ppm -H50 #  
 Cr<sub>2</sub>O<sub>3</sub>% -H501 Pb ppm -H50 #  
 Au ppm -80 -H501 Zn ppm -H50 #  
 Au ppm -H501 Ni ppm -80 -H50 #  
 Pt ppm -80 -H501  
 Pt ppm -H50 #

ROCKS

Au ppm Cu ppm  
 Ag ppm Zn ppm  
 Pt ppm Ni ppm  
 Pb ppm Ni ppm  
 Ni ppm Cr ppm  
 Pb ppm Cu ppm  
 Ir ppm Ag ppm

PANNED CONCENTRATES

Cr<sub>2</sub>O<sub>3</sub>% medium magnetic split

Au	Au grains of native element identified by mineralogist
Pt	Pt/PtFe
Pb	Os
Ni	
Cr	
Ir	
Ag	

- Denotes below detection limit for assay or grade of native precious metals not identified in panned concentrates.  
 - Not Analyzed  
 is Denotes insufficient sample

NB Based grain counts are Au and Pt. P.G.M.'s visually identified in the field, these samples not examined by mineralogist.

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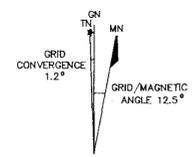
R. W. CREASY

TRIAL HARBOUR - E.L. 1986

DRAWN BY	: R. Pollock
DRAFTSMAN	: T.G.D.S.
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FIG. 3

SCALE 1:10000



E.L. 19 / 86