

16. CENTRAL PTILOTUS (EL 2369)

16.1 Introduction

This area of interest lies between Mt. Pilotus and the East Pilotus prospect. The purpose of the exploration activity was to test for the possibility of gold bearing Davidson Beds beneath cover between two known mineralised areas.

16.2 Work Undertaken

Two lines of Max-Min electromagnetics were conducted on traverses 50500E and 51000E for a total of 3.0 line kilometres.

A single RAB drill traverse over 50500E tested bedrock beneath colluvial and aeolian cover. 28 holes were drilled for a total of 307 metres and 94 samples.

16.3 Results

The EM interpretation suggested that Davidson Beds may be present beneath cover sediments. However, RAB drilling indicated that unprospective greywackes constituted most of the bedrock in the area tested, with conductive EM zones probably reflecting small shears.

16.4 Plans

<u>Drawing No</u>	<u>Title</u>	<u>Scale</u>
300-1218	Ptilotus Central - RAB X-Section 50500E	1:500

See also Fact Geology plans listed under East Pilotus.

- GRANITE
- INTRUSIVE DOLERITE
- BASALT
- DAVIDSON BEDS
- MADIGAN BEDS
- REGIONAL SHEAR

NORTH
PTILOTUS

EAST PTILOTUS

LENNARD
RIDGE

PTILOTUS

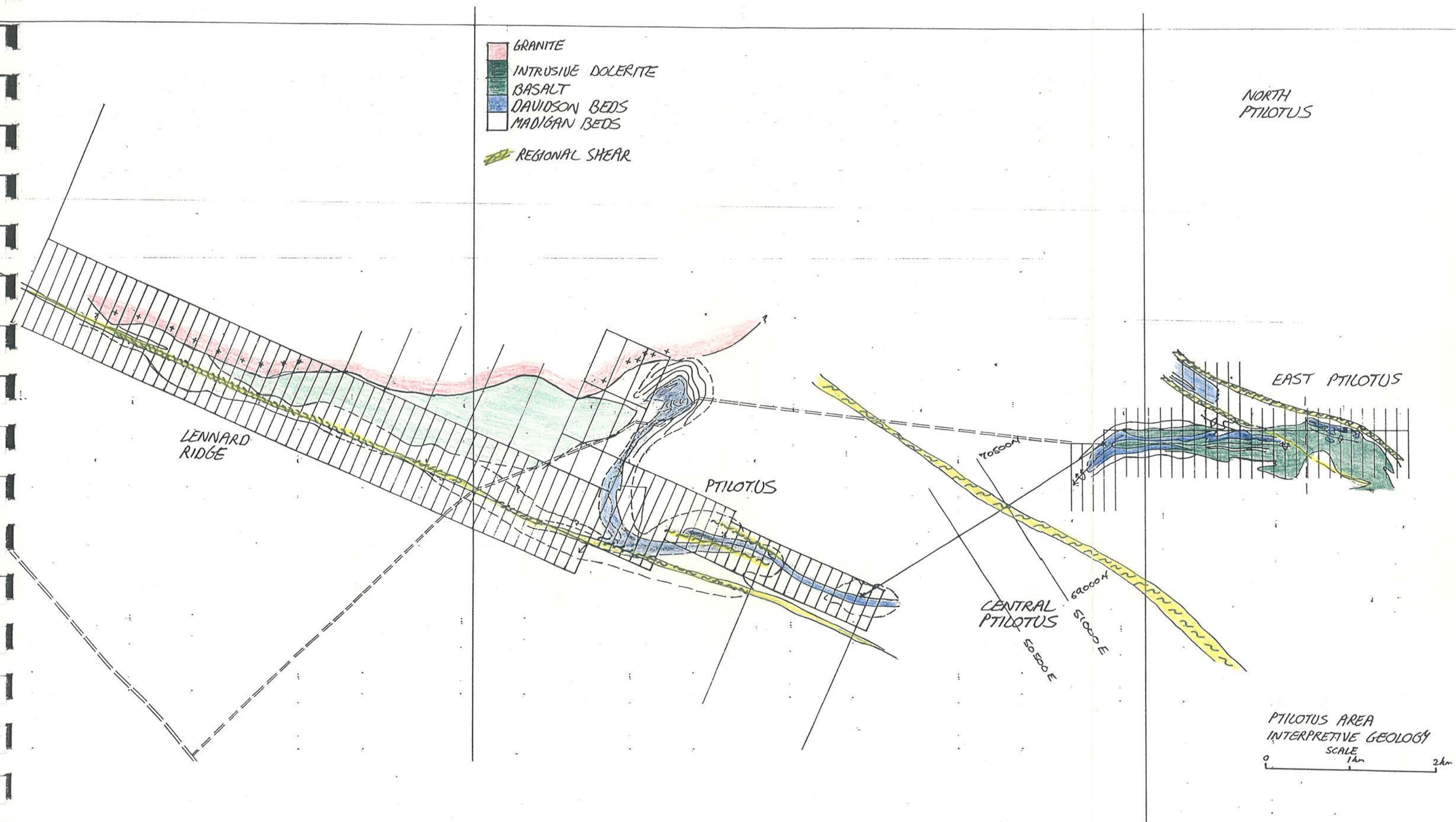
CENTRAL
PTILOTUS

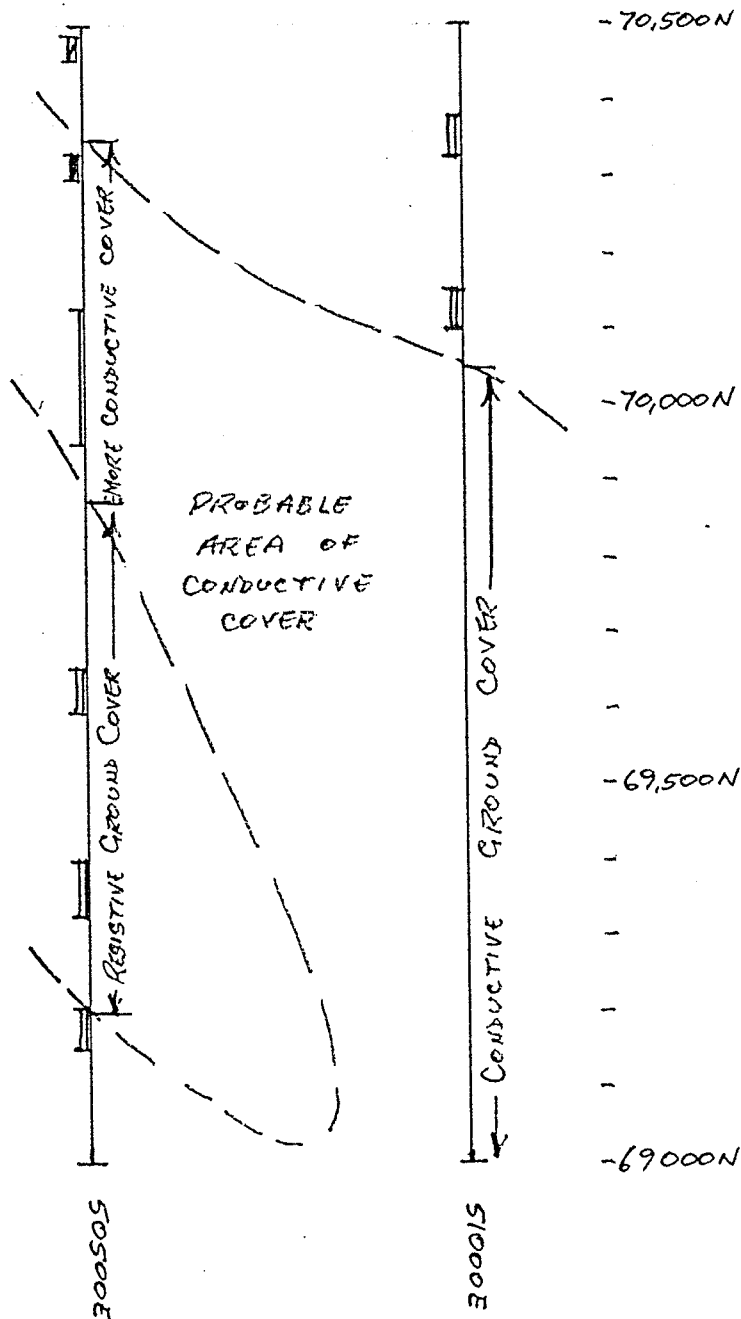
50500 E

60000 E

PTILOTUS AREA
INTERPRETIVE GEOLOGY

SCALE
0 1km 2km





MAX-MIN ANOMALIES

Good |||
Medium ||-
Poor - - -

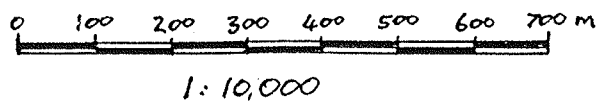


FIG 2

NORTH FLINDERS EXPLORATION

PTILOTUS CENTRAL

SUMMARY OF MAX-MIN DATA

Hugh Rutter

March 1991

Geophysical Exploration Consultants P/L

% IN PHASE

% OUT OF PHASE

FREQUENCIES

IN-PHASE

OUT-OF-PHASE

CONDUCTORS

SCALE

3555 Hz

o—o

o---o

GOOD

=====

100m

1777 Hz

△—△

△---△

MEDIUM

=====

888 Hz

·—·

·---·

POOR

=====

222 Hz

x—x

x---x

Tx-Rx SEPARATION - 100m

NORTH FLINDERS EXPLORATION

PROSPECT: PTILLOTUS CENTRAL

LINE: 50500E

MAX-MIN PROFILE

AFR

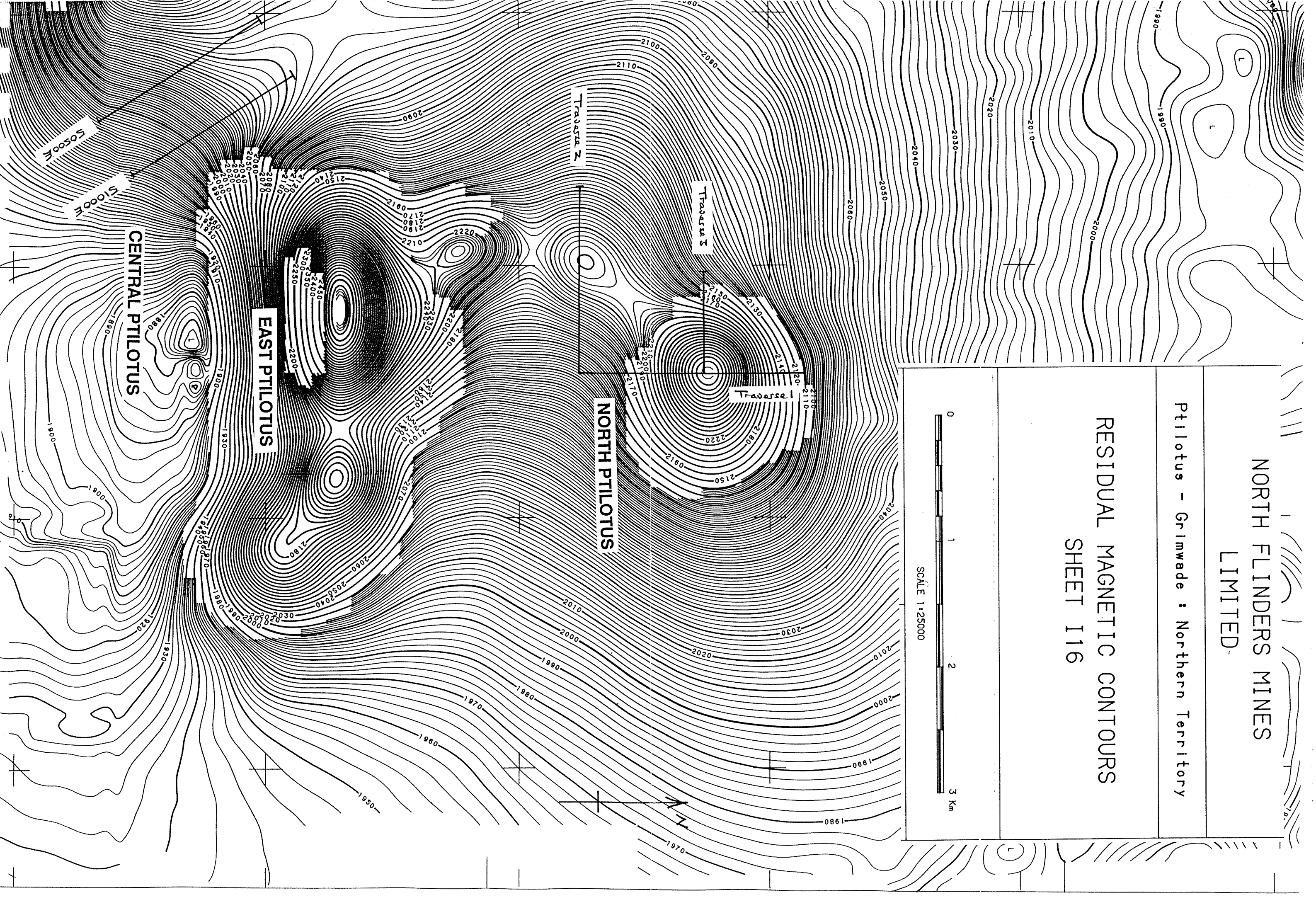
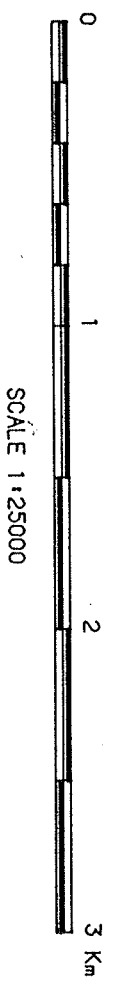
1991

ALCATOR A3 - 297 x 470 mm

NORTH FLINDERS MINES
LIMITED

Ptlotus - Grimwade : Northern Territory

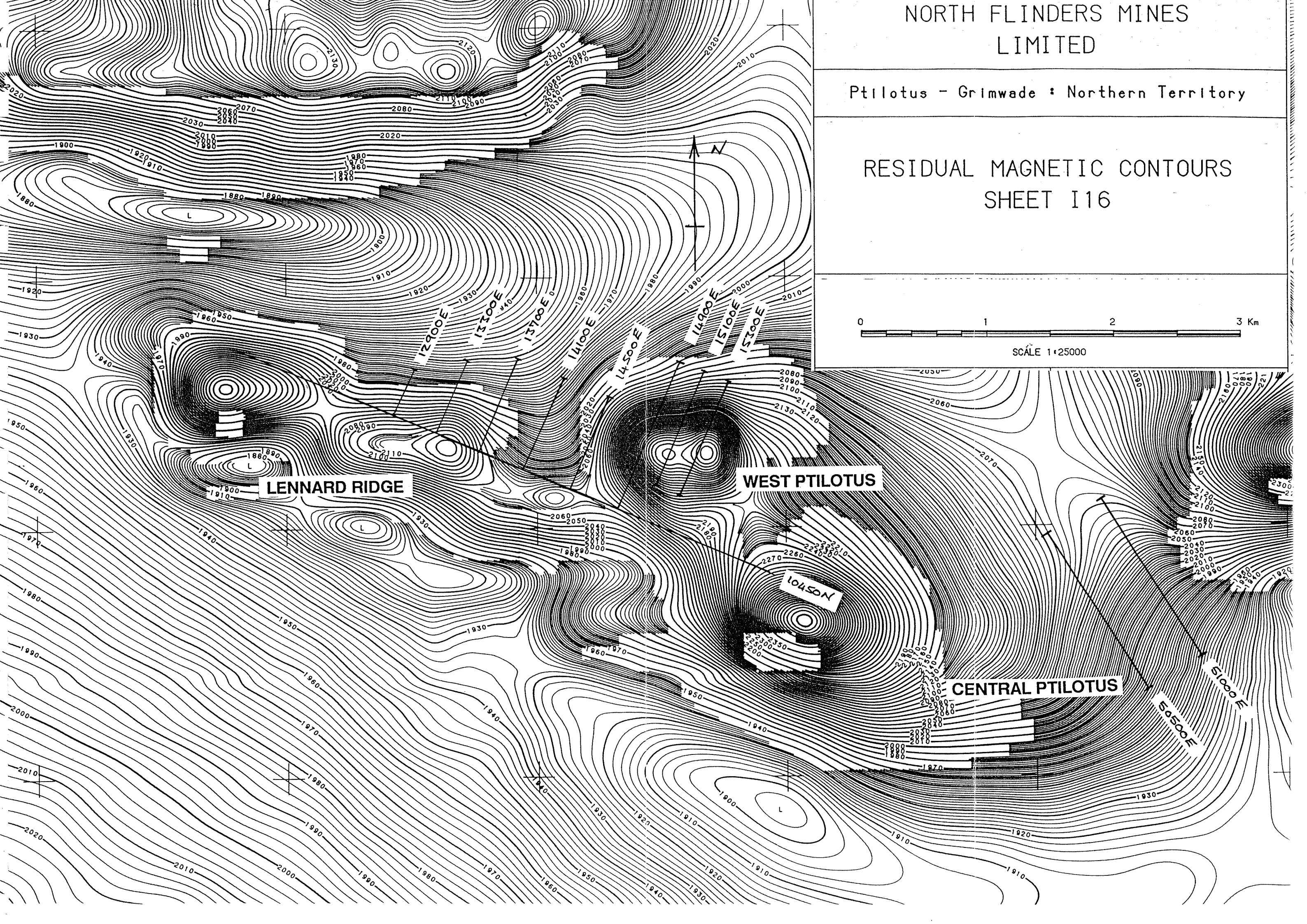
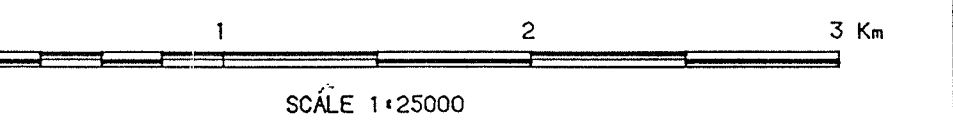
RESIDUAL MAGNETIC CONTOURS
SHEET 116

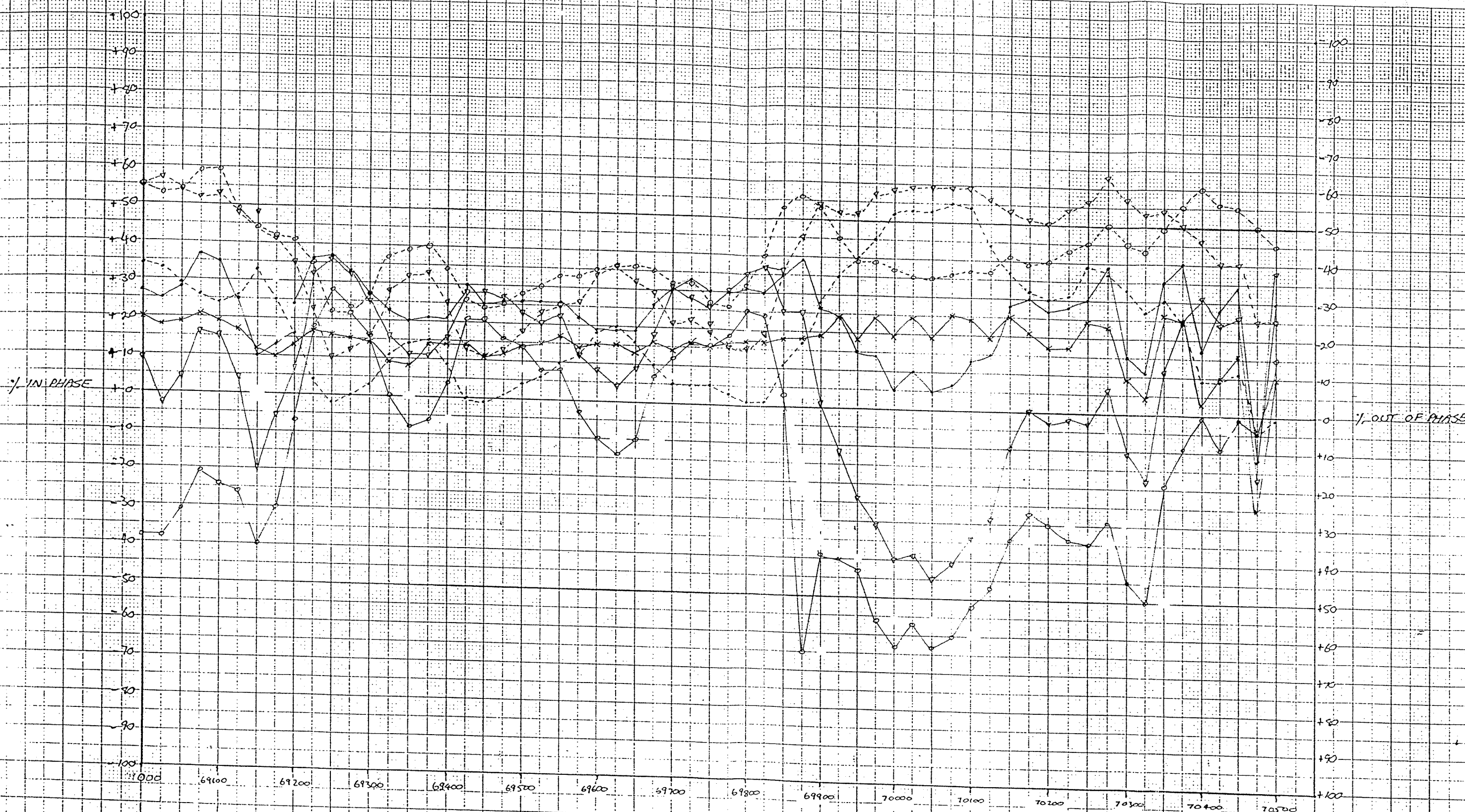


NORTH FLINDERS MINES
LIMITED

Ptilotus - Grimwade : Northern Territory

RESIDUAL MAGNETIC CONTOURS
SHEET 116





FREQUENCIES
 3555 Hz
 1777 Hz
 888 Hz
 222 Hz
 Tx - Rx SEPARATION - 100m

IN-PHASE
 OUT-OF-PHASE

CONDUCTORS
 6000
 MEDIUM
 POOR

SCALE
 100m

NORTH FLINDERS EXPLORATION
 PROSPECT: PTILOTEUS CENTRAL
 LINE: 50500E
 MAX-MIN PROFILE
 AFR 1991

ALCATOR A3 - 297 x 410 mm