

17. NORTH PTILOUS (EL 2369)

17.1 Introduction

The North Ptilotus area of interest lies approximately 3km north of the East Ptilotus prospect. Outcrop at this location is very sparse, but aeromagnetic data indicates a strong circular anomaly and a weaker associated ridge projecting in a south-easterly direction away from the main feature. As the magnetic signature suggested the possible presence of covered Davidson Beds, an exploration program was instigated to test the lithologies.

17.2 Work Undertaken

Three lines of Max-Min electromagnetics were conducted on Traverse 1 at 21500E (north-south, 12100N to 13900N), Traverse 2 at 12100N (east-west, 20000E to 21500E) and Traverse 3 at 13100N (east-west, 20700E to 21500E). A total of 4.1 line kilometres were surveyed.

Reconnaissance vacuum drilling was carried out on these traverses. 37 holes were drilled for a total of 331 metres and 243 samples.

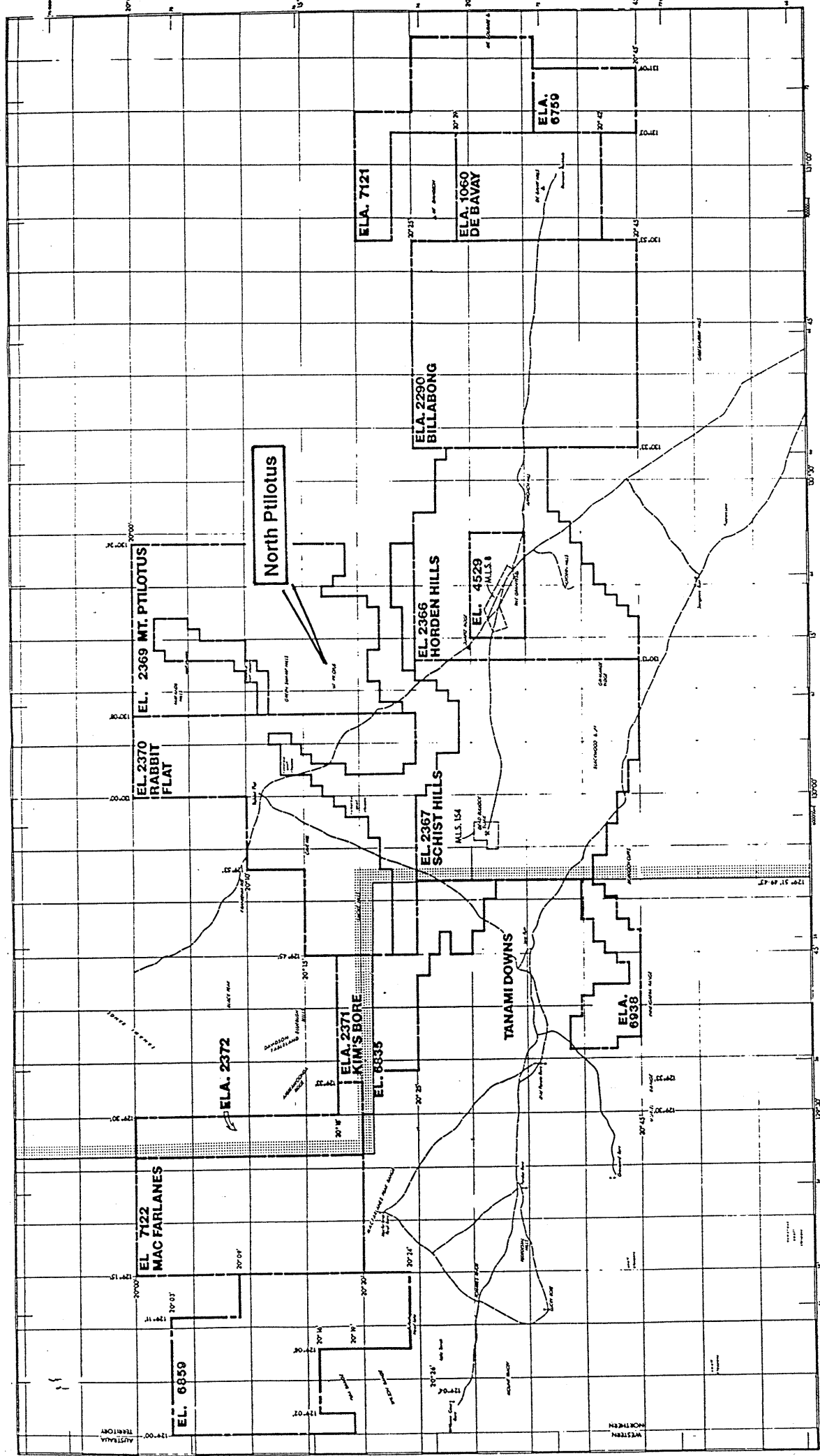
5 rock chip samples were collected from a patch of poor ferruginous schist outcrop at 21,100E on traverse 3.

17.3 Results

The three Max-Min EM traverses located conductors suggestive of buried Davidson Beds in the vicinity of the weakly anomalous magnetic ridge. However, vacuum drilling encountered only limited Davidson Beds type lithologies (eg. ferruginous and graphitic schist and ferruginous cherts). No elevated gold or arsenic assays were encountered from either the drilled samples or those collected by rock chipping.

17.4 Plans

<u>Drawing No</u>	<u>Title</u>	<u>Scale</u>
300-1262	Ptilotus North Vac. X-Section Trav. 1	1:500
300-1263	Ptilotus North Vac. X-Section Trav. 2	1:500
300-1264	Ptilotus North Vac. X-Section Trav. 3	1:500
300-1266	Ptilotus North Fact Geology Sheet 6	1:2500
300-1267	Ptilotus North Fact Geology Sheet 7	1:2500
300-1268	Ptilotus North Fact Geology Sheet 8	1:2500



NFM NORTH FLINDERS MINES LIMITED
 Tanami Reconnaissance : Northern Territory

EL LAYOUT

1:250 000

Scale: 1:250 000

DATE: 1990

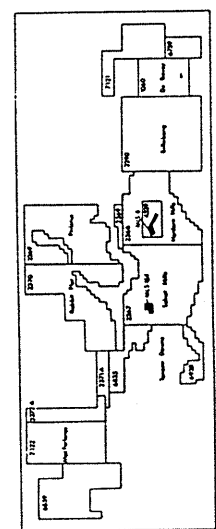
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FOR: [Signature]

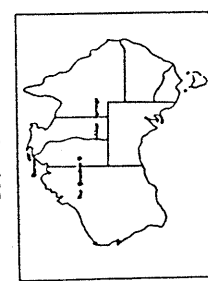
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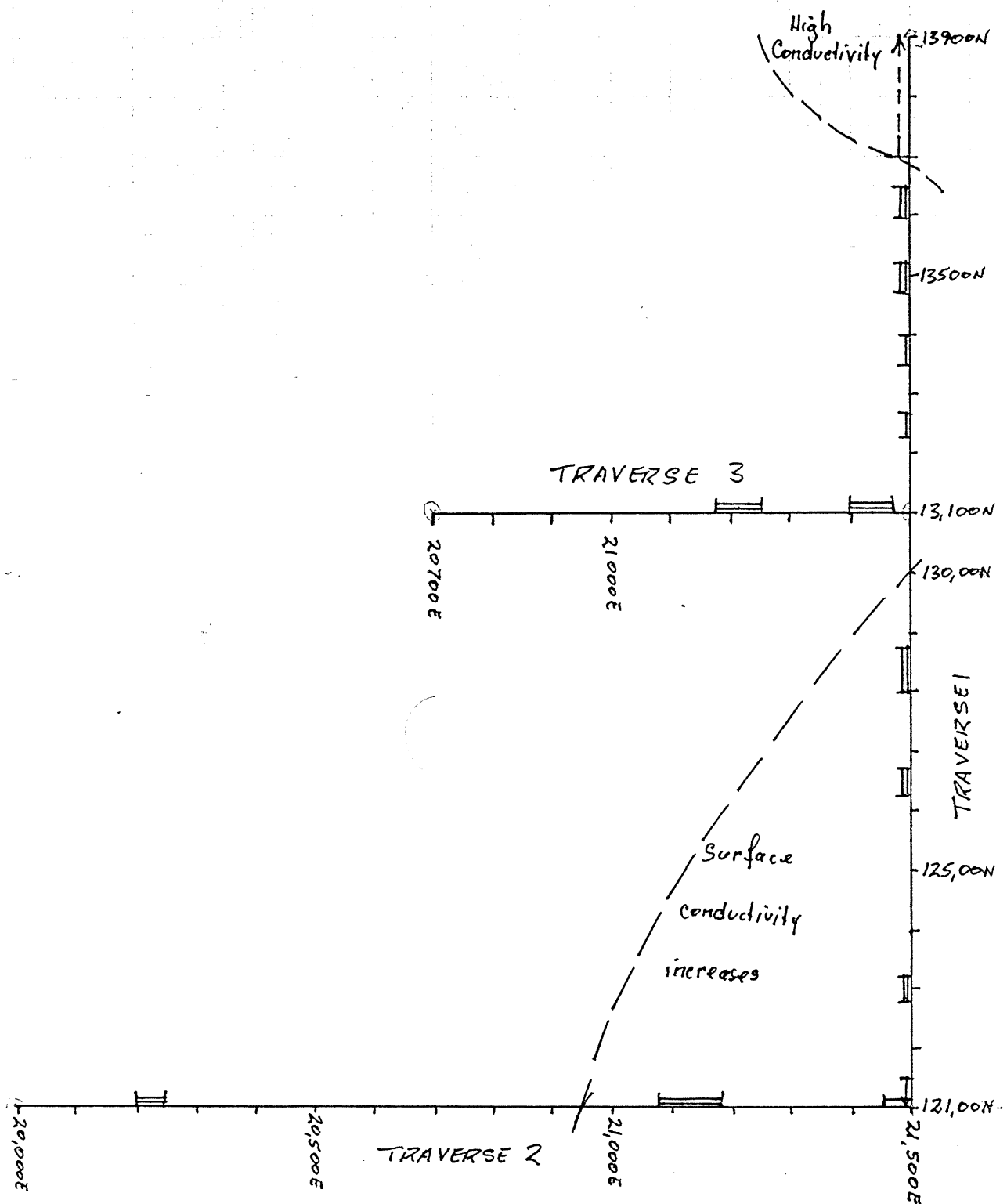
LEGEND

- Boundaries
- Water
- Vegetation
- Topography
- Infrastructure
- Other



LOCATION MAP





MAX-MIN CONDUCTORS

Good 
 Medium 
 Poor 

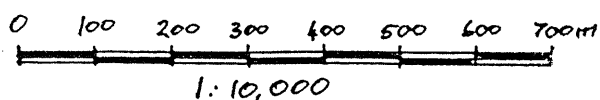


FIG 3

NORTH FLINDERS EXPLORATION

PTILOTUS NORTH

SUMMARY OF MAX-MIN DATA

H. Rutten

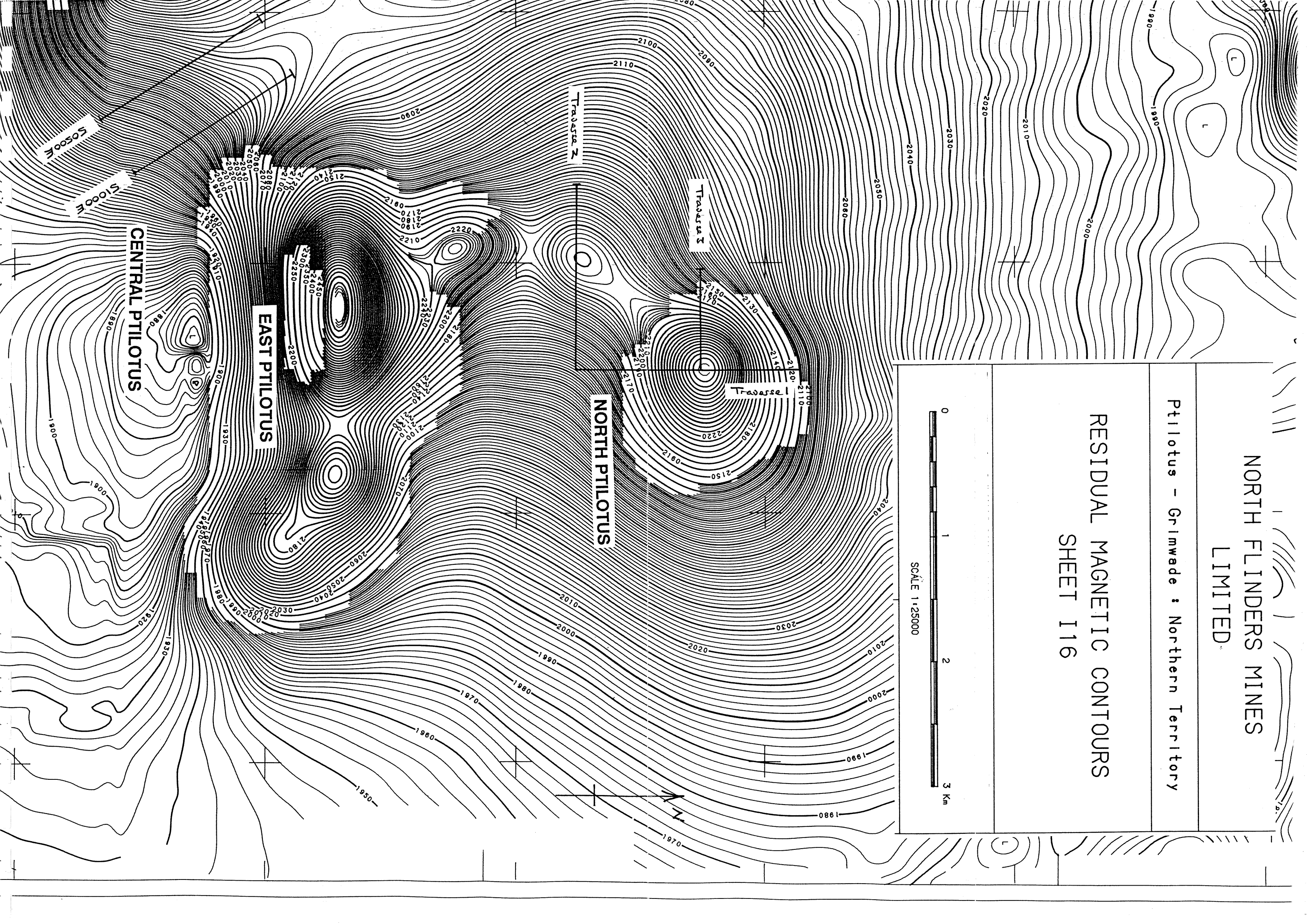
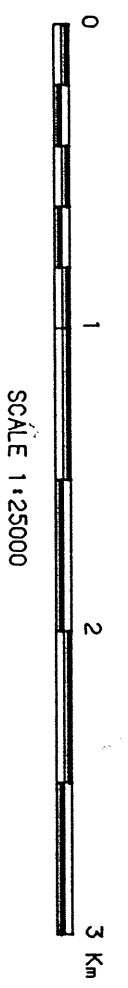
MAR. '91

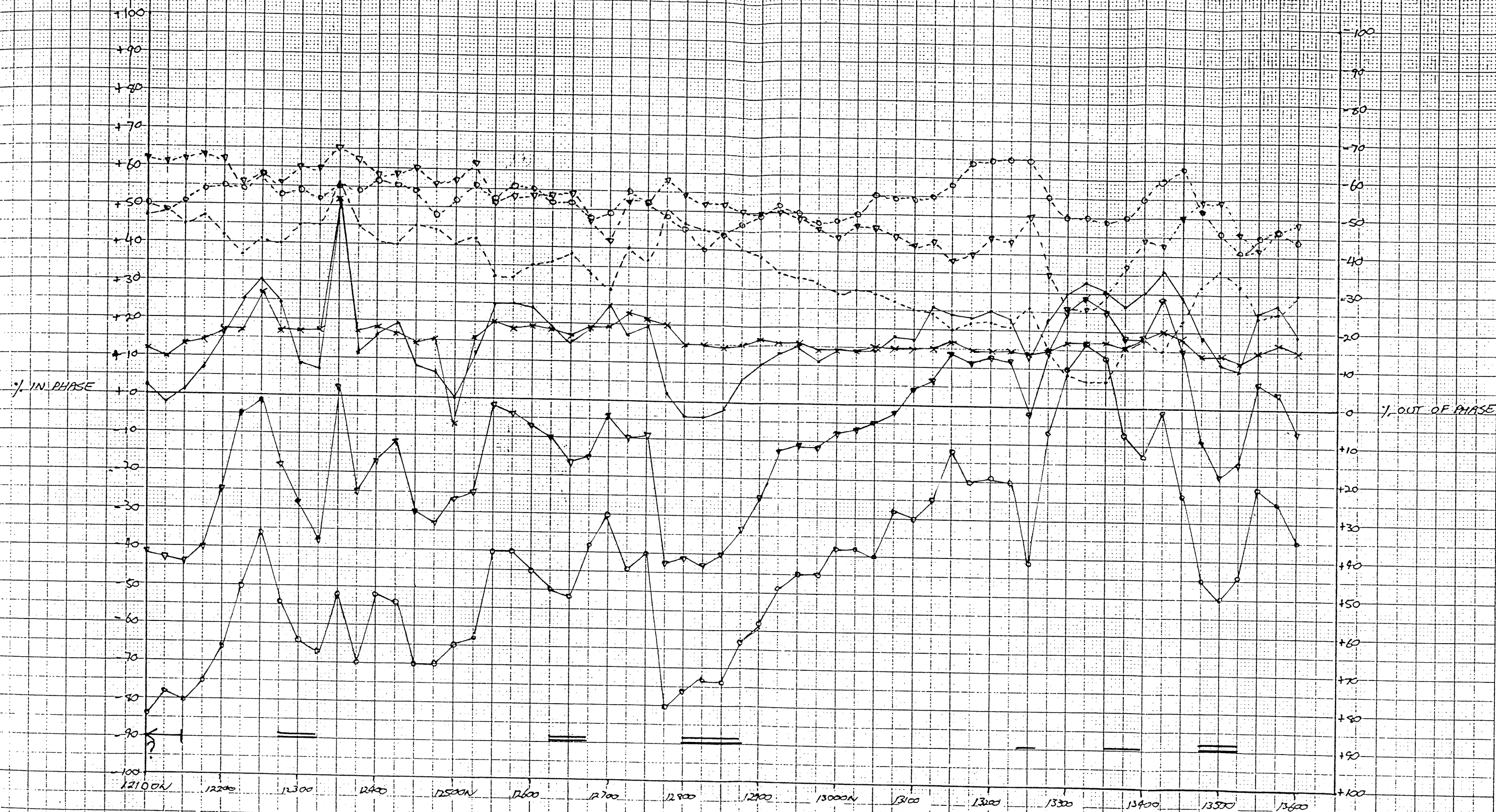
Geophysical Exploration Consultants P/L

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

○—○
▽—▽
.—.—
x—x

OUT-OF-PHASE

○---○
▽---▽
.—.—
x---x

CONDUCTORS

GOOD
MEDIUM
POOR

=====

SCALE

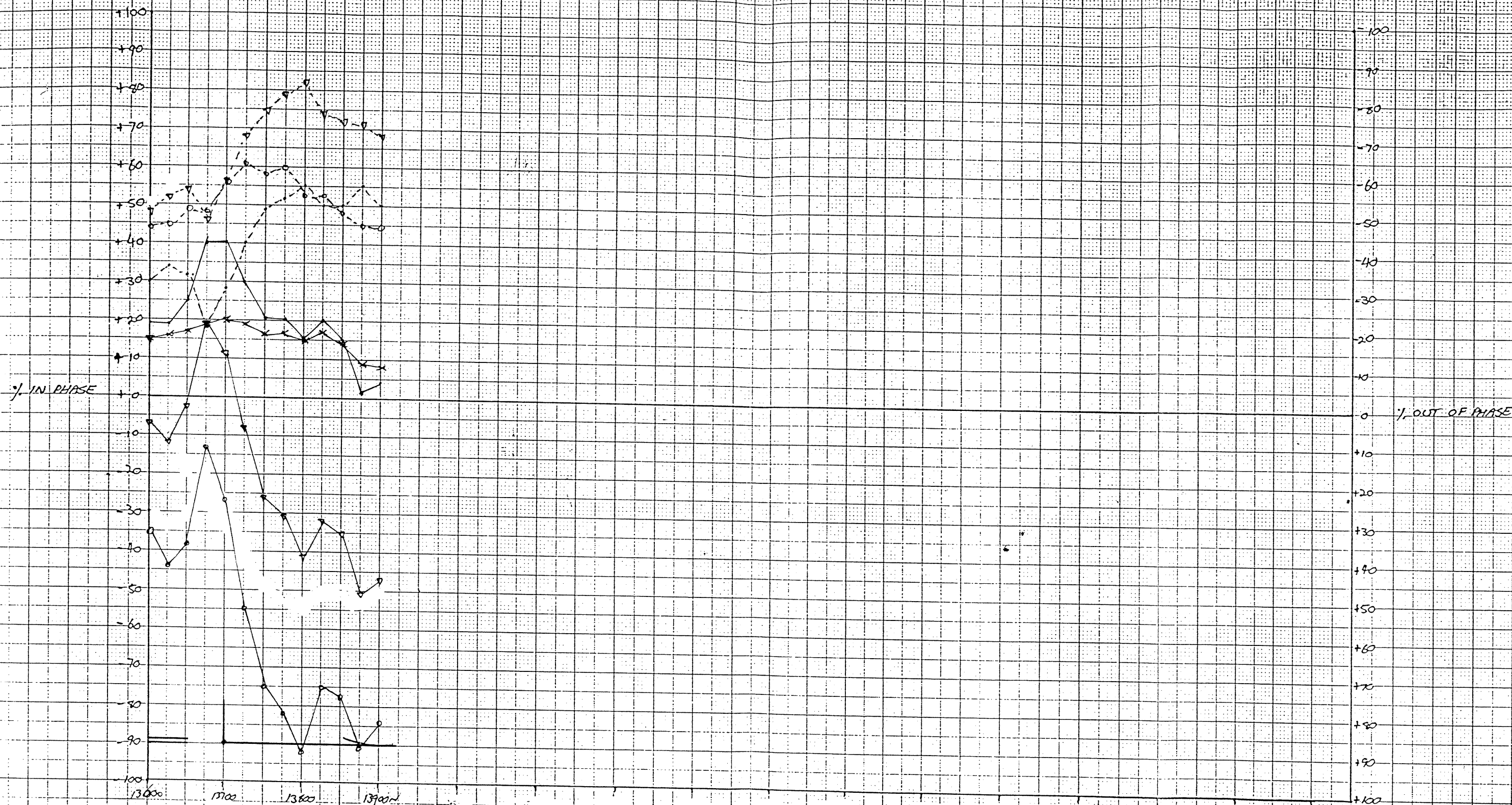
100m

NORTH FLINDERS EXPLORATION

PROSPECT: NORTH RTNLOTUS

LINE: TRAVERSE 1
(12100N TO 13900N)
MAX-MIN PROFILE

AFB MARCH 1991



FREQUENCIES

3555 Hz
1777 Hz
888 Hz
222 Hz

Tx - Rx SEPARATION - 100m

IN-PHASE

○ — ○
○ — ○
● — ●
x — x

OUT-OF-PHASE

○ - - - ○
○ - - - ○
● - - - ●
x - - - x

CONDUCTORS

GOOD
MEDIUM
POOR

SCALE

100m

NORTH FLINDERS EXPLORATION

PROSPECT: NORTH PTILOIUS

LINE: TRAVERSE 1 (CONT)
(13100N TO 13300N)
MAX-MIN PROFILE

MARCH 1991

% IN PHASE

% OUT OF PHASE

FREQUENCIES

IN-PHASE

OUT-OF-PHASE

CONDUCTORS

SCALE

3555 Hz

o—o

o---o

GOOD

=====

100m

1777 Hz

o--o

o---o

MEDIUM

=====

888 Hz

o--o

o---o

POOR

=====

222 Hz

x--x

o---o

Tx-Rx SEPARATION - 100m

NORTH FLINDERS EXPLORATION

PROSPECT: PTILOTUS NORTH

LINE: TRAVERSE 2

MAX-MIN PROFILE

AFB

MARCH 1991

% IN PHASE

% OUT OF PHASE

FREQUENCIES

IN-PHASE

OUT-OF-PHASE

CONDUCTORS

SCALE

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

○—○
▽—▽
●—●
x—x

○---○
▽---▽
●---●

6000
MEDIUM
POOR

100m

NORTH FLINDERS EXPLORATION

PROSPECT: PTILODES NORTH

LINE: TRAVERSE 3

MAX-MIN PROFILE

AFB MARCH 1991