

18. LENNARD RIDGE/WEST PTILOTUS (EL 2369)

18.1 Introduction

The area defined for investigation was a large mafic body north of Lennard Ridge (which itself has been subject to previous exploration). At East Ptilotus, shears in an unrelated intrusive dolerite are known to host sub-economic gold mineralisation. Investigations of the Lennard Ridge mafic body were designed to test for a similar style of gold enrichment.

18.2 Work Undertaken

Six lines of Max-Min electromagnetics were conducted on traverses 12900E, 13300E, 13700E, 14100E, 14500E and 14900E for a total of 9.0 line kilometres.

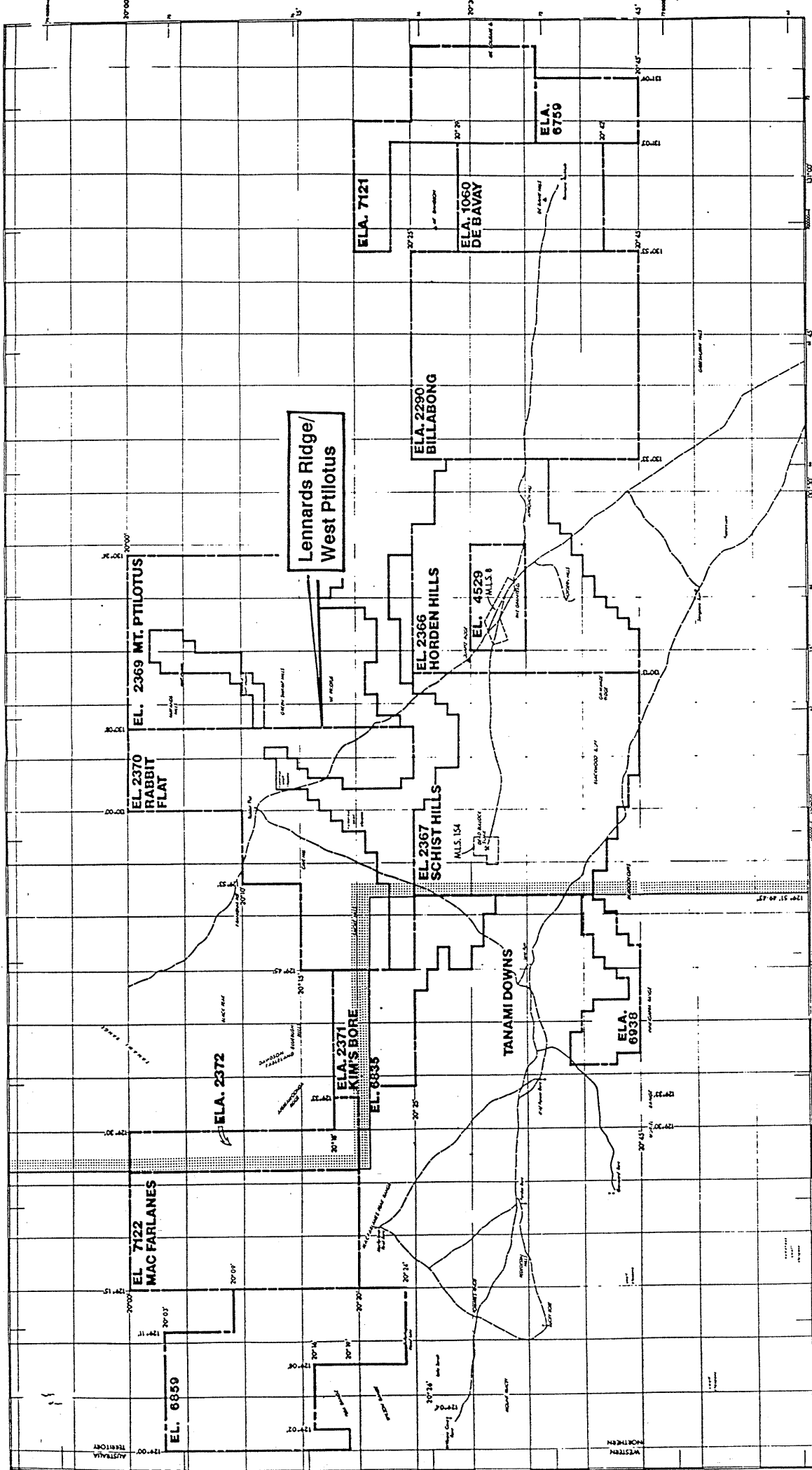
Subsequently eight lines of grid based RAB holes were drilled to obtain samples of weathered bedrock for identification and assay. The six lines tested with EM were drilled (see above) together with two additional traverses at 15100E and 15300E. 81 holes were completed for a total of 1039 metres and 325 samples.

18.3 Results

RAB drilling encountered a body of basalt, in contact with a "Granites" type granite to the north. Results obtained were generally disappointing except for two anomalous zones, up to 220 and 80 ppb Au, on lines 13700E and 14100E. Interpretation of EM data indicated possible shear zones within the granite. Drilling of these shear zones returned negligible gold and arsenic results.

18.4 Plans

<u>Drawing No</u>	<u>Title</u>	<u>Scale</u>
100-1227	Lennard Ridge RAB X-Sect 12900E	1:500
100-1228	Lennard Ridge RAB X-Sect 13300E	1:500
100-1229	Lennard Ridge RAB X-Sect 13700E	1:500
100-1230	Lennard Ridge RAB X-Sect 14100E	1:500
100-1231	Lennard Ridge RAB X-Sect 14500E	1:500
100-1232	Lennard Ridge RAB X-Sect 14900E	1:500
100-1233	Lennard Ridge RAB X-Sect 15100E	1:500
100-1234	Lennard Ridge RAB X-Sect 15300E	1:500
300-1249	Lennard Ridge RAB X-Sect 13900E	1:500



NORTH FLINDERS MINES LIMITED

Tanami Reconnaissance : Northern Territory

EL LAYOUT

1:250 000

DATE OF
REVISION

REVISION
NO.

REVISION
DESCRIPTION

REVISION
DATE

REVISION
BY

REVISION
CHECKED

REVISION
APPROVED

REVISION
DRAWN

REVISION
SCALE

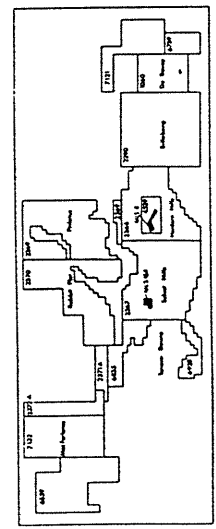
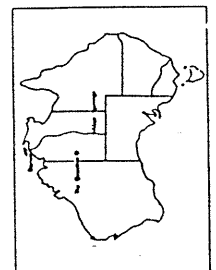
REVISION
SHEET NO.

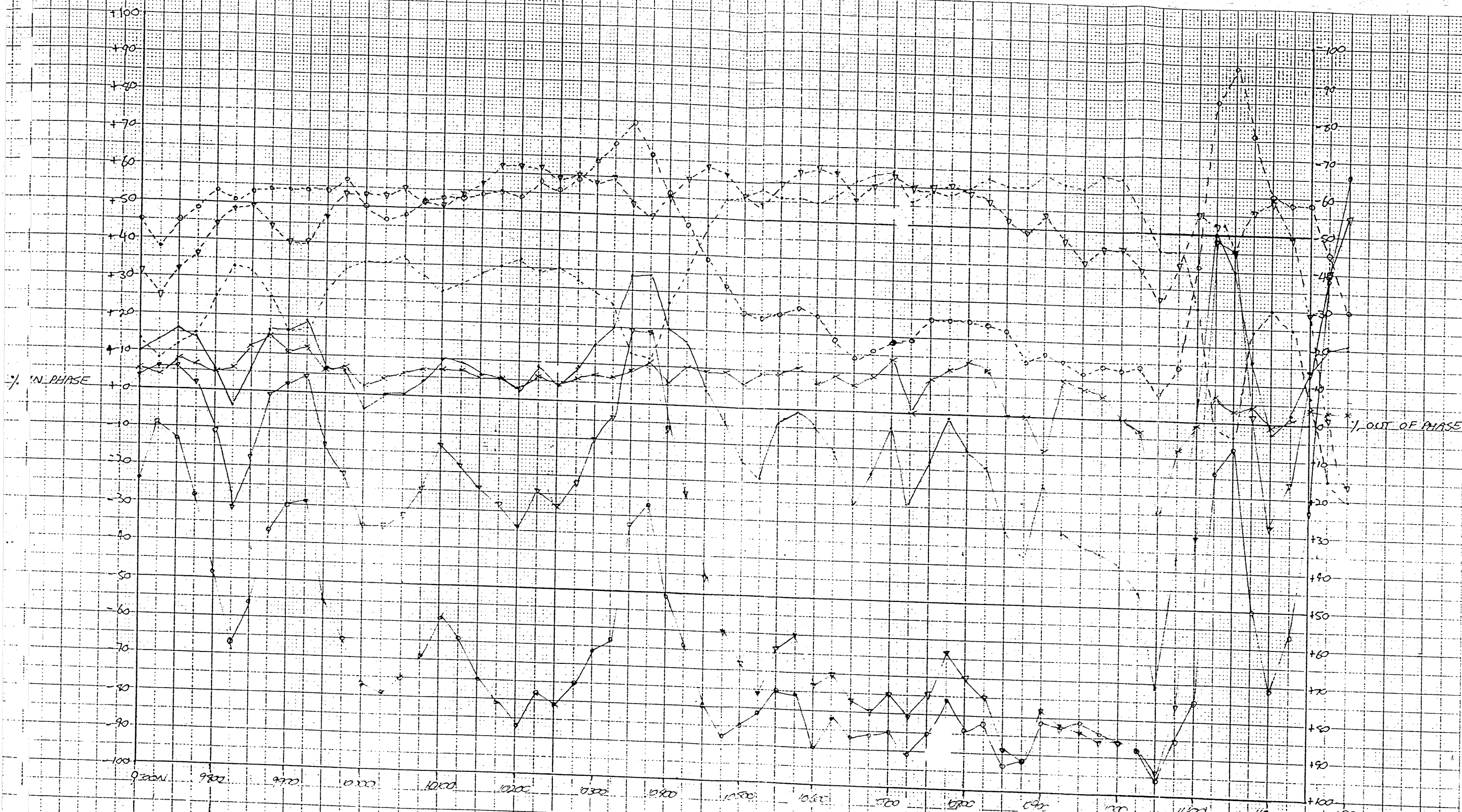
REVISION
SHEET TOTAL

LEGEND

- 1. Road
- 2. Railway
- 3. Boundary
- 4. Contour
- 5. Spot Height
- 6. Elevation
- 7. Depression
- 8. Water
- 9. Swamp
- 10. Forest
- 11. Shrub
- 12. Grass
- 13. Bare
- 14. Sand
- 15. Clay
- 16. Limestone
- 17. Granite
- 18. Basalt
- 19. Gneiss
- 20. Schist
- 21. Slate
- 22. Quartzite
- 23. Marble
- 24. Soapstone
- 25. Slate
- 26. Gneiss
- 27. Schist
- 28. Slate
- 29. Gneiss
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- 90. Schist
- 91. Slate
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- 93. Schist
- 94. Slate
- 95. Gneiss
- 96. Schist
- 97. Slate
- 98. Gneiss
- 99. Schist
- 100. Slate

LOCATION MAP





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

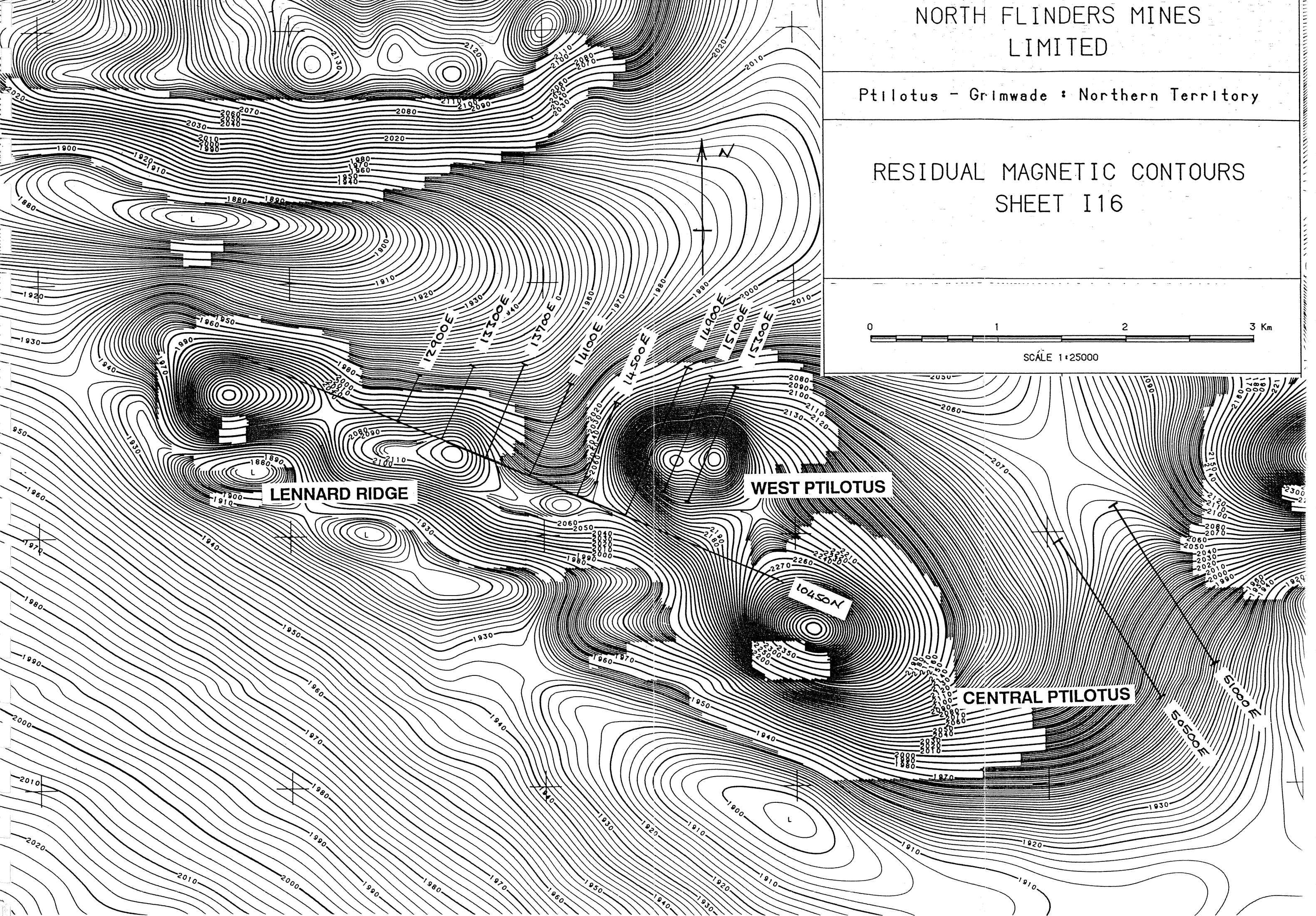
IN-PHASE
 OUT-OF-PHASE

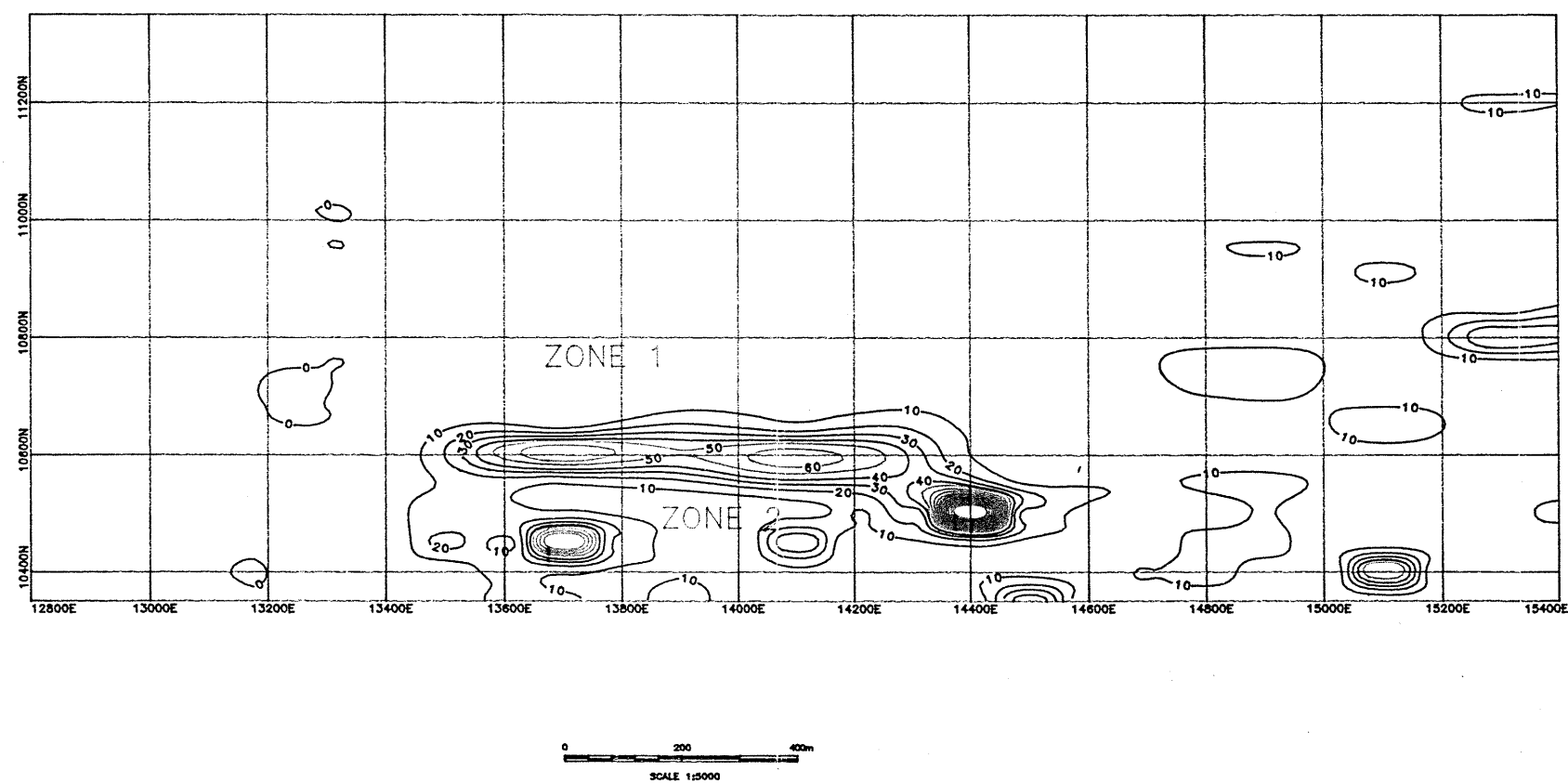
CONDUCTORS
 GOOD
 MEDIUM
 POOR

SCALE
 100m

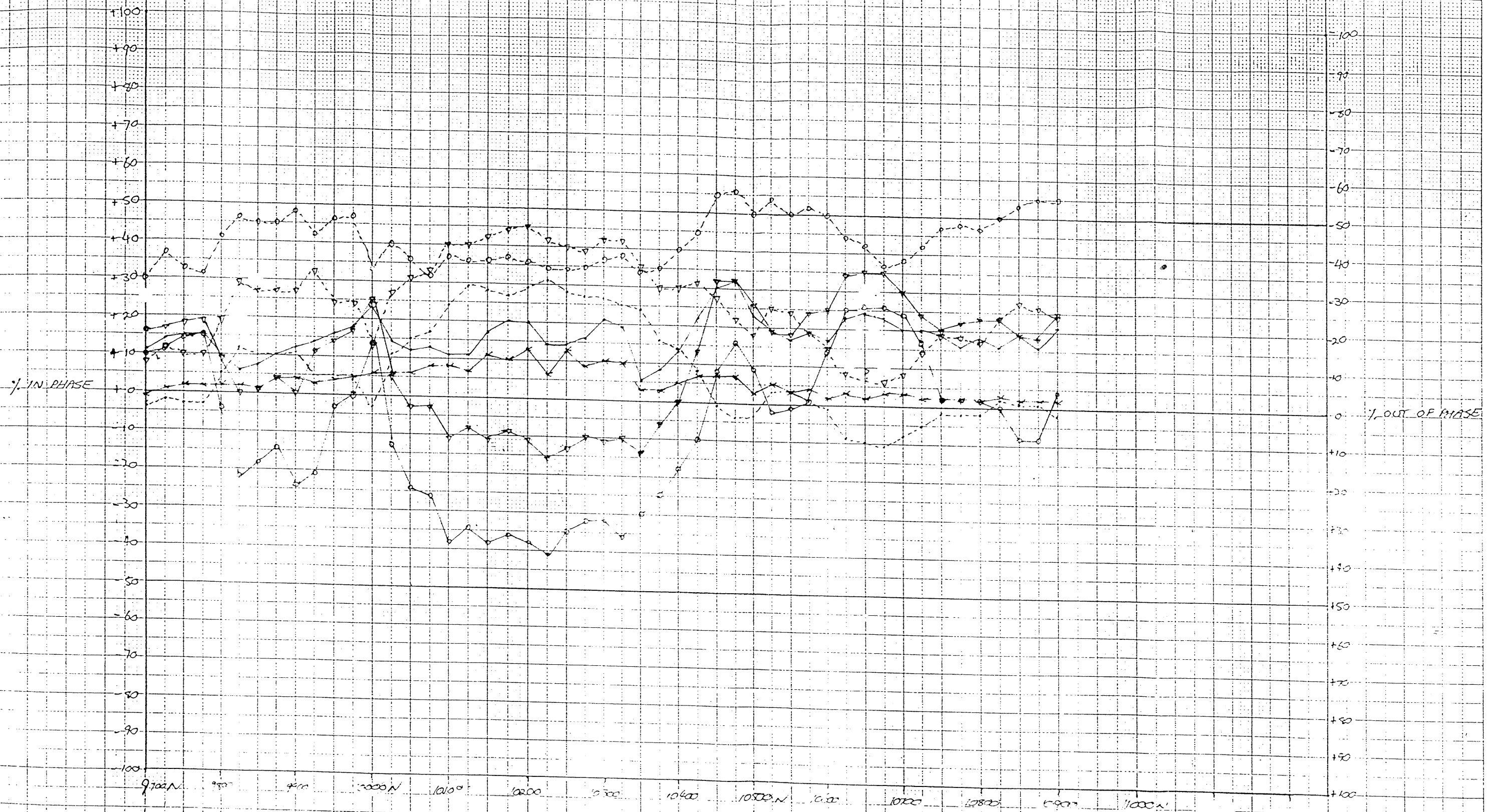
NORTH FLINDERS EXPLORATION
 PROSPECT: LENNARDS RIDGE
 LINE: 14900E
 MAX-MIN PROFILE
 AFB MARCH 1991

SCALE 1:25000





GOLD CONTOURS
LENNARD RIDGE AREA



FREQUENCIES

3555 Hz
1777 Hz
888 Hz
222 Hz

Tx-Rx SEPARATION = 100m

IN-PHASE

○—○
△—△
—
×—×

OUT-OF-PHASE

○---○
△---△

CONDUCTORS

GOOD
MEDIUM
POOR

=====

SCALE

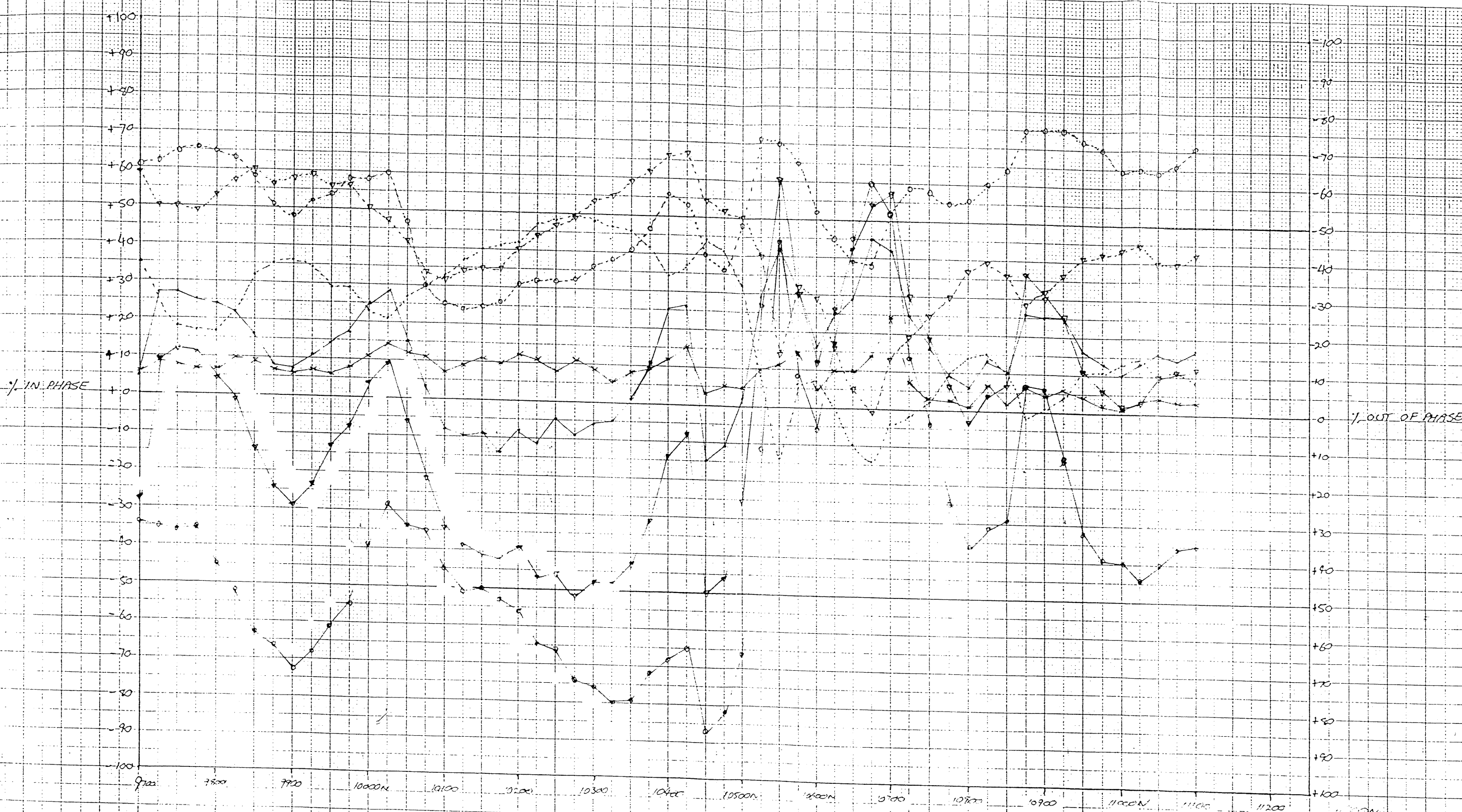
100m

NORTH FLINDERS EXPLORATION

PROSPECT: LEANARD RIDGE

LINE: R700E

MAX-MIN PROFILE



FREQUENCIES

3555 Hz	○—○
1777 Hz	△—△
888 Hz	●—●
222 Hz	×—×

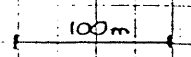
OUT-OF-PHASE

○---
△---
●---

CONDUCTORS

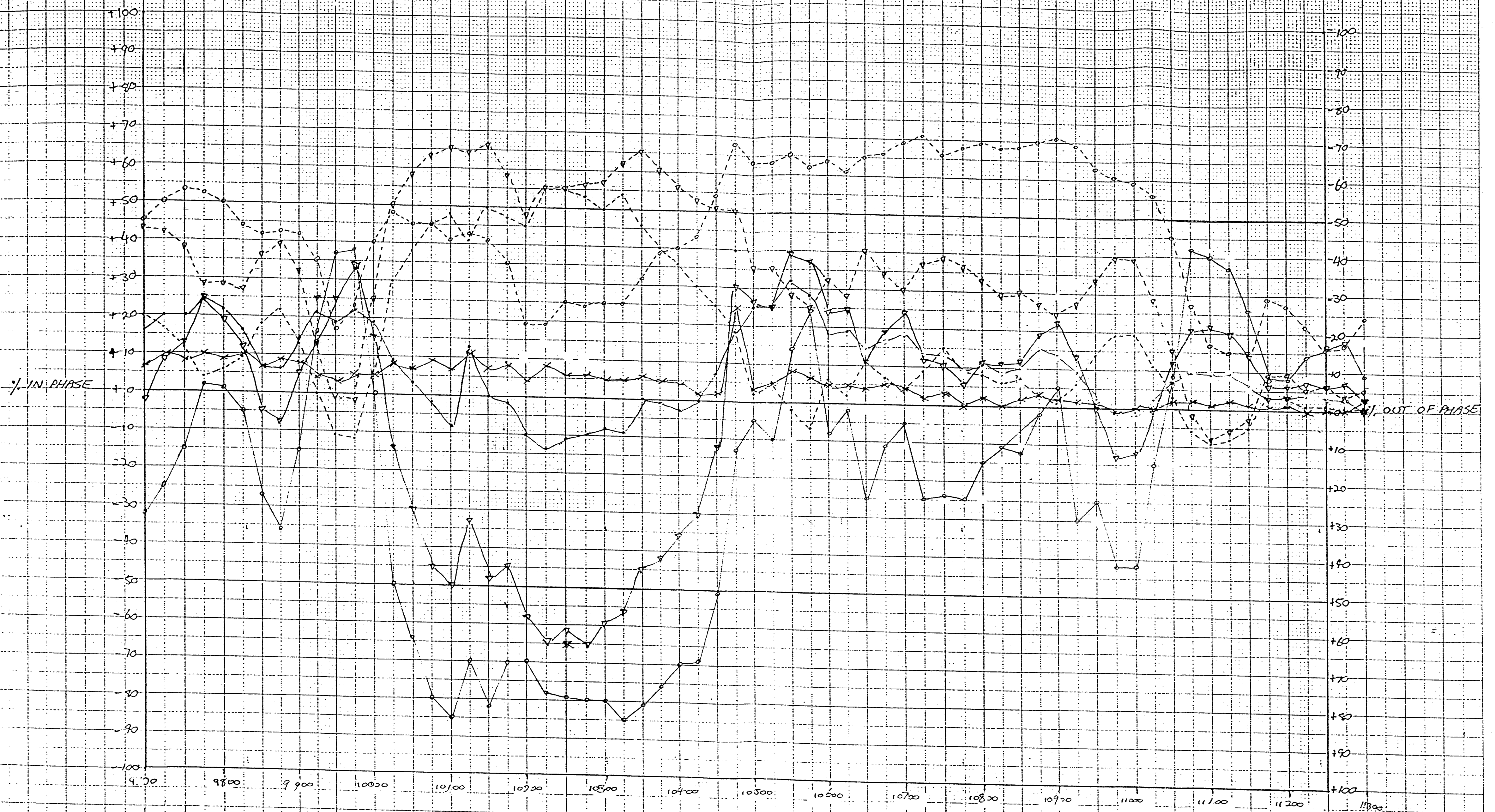
GOOD	=====
MEDIUM	=====
POOR	-----

SCALE



Tx-Rx SEPARATION - 100m

NORTH FLINDERS EXPLORATION
 PROSPECT: LENNARD RIDGE
 LINE: 13300E
 MAX-MIN PROFILE



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

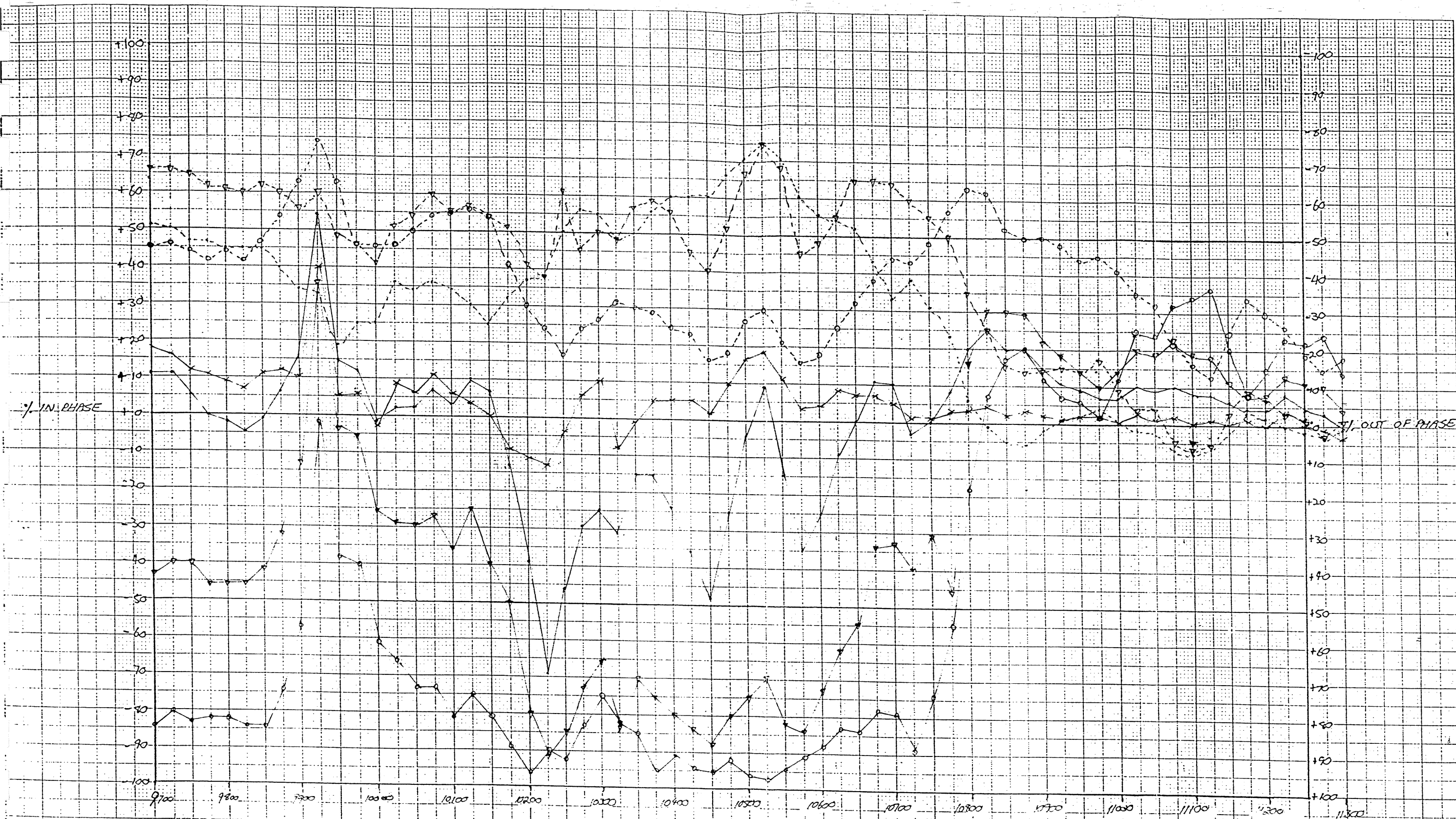
PROSPECT: LENNARDS RIDGE

LINE : 13700 E

MAX-MIN PROFILE

AFR

MARCH 1991



FREQUENCIES

3555 Hz
1777 Hz
888 Hz
222 Hz

$T_x - R_x$ SEPARATION - 100m

IN-PHASE

○—○
△—△
●—●
×—×

OUT-OF-PHASE

○---○
△---△
●---●
×---×

CONDUCTORS

GOOD
MEDIUM
POOR

SCALE

100m

NORTH FLINDERS EXPLORATION

PROSPECT: LENNARD RIDGE

LINE: 14-100E

MAX-MIN PROFILE

DFR MARCH 1961

% IN PHASE

% OUT OF PHASE

FREQUENCIES

IN-PHASE

OUT-OF-PHASE

CONDUCTORS

SCALE

- 3555 Hz
- 1777 Hz
- 888 Hz
- 222 Hz

-
- ▽—▽
-
- x—x

-
- ▽---▽
-
- x---x

- 6000
- MEDIUM
- POOR

100m

Tx - Rx SEPARATION - 100m

NORTH FLINDERS EXPLORATION
PROSPECT: LEONARDS RIDGE
LINE: 14500 E
MAX-MIN PROFILE
AFR