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**MICROFILMED**

GEOPHOTO MINERALS REPORT 1970/1

UPPER SCAMANDER ANOMALIES

N.E. TASMANIA - EL6/68

INCLUDING I.P. RESULTS BY

AUSTRAL EXPLORATION SERVICES PTY. LTD.

FOR

TEXINS DEVELOPMENT PTY. LTD.

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UPPER SCAMANDER ANOMALIES - NORTH EAST TASMANIA

Highest copper stream sediment anomalies in the Upper Scamander area are shown on the attached plate. (Fig. 1)

A satisfactory explanation for the source of the high copper anomalies has not been determined by the field parties despite gridding, geologic scouting and rock and soil geochemistry over grids.

A pilot I.P. survey (Appendix I) was conducted over this anomaly by Austral Geophysics in December 1969 to check out the anomaly.

Weak anomalies were revealed but no diamond drilling targets were recommended by the consulting geophysicist.

Further geological work should be done on these anomalies for two reasons.

- i Our recent Mineral Hill, Queensland drilling experience in a very similar geologic situation shows mineralisation despite absence of I.P. response.

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ii In any event the I.P. survey should be extended when convenient as recommended on the attached figure, as all prospective ground was not covered in the limited survey done. Weather prevented completion in December. Also R.E.M. and S.P. surveys should cover this area more completely than I.P.

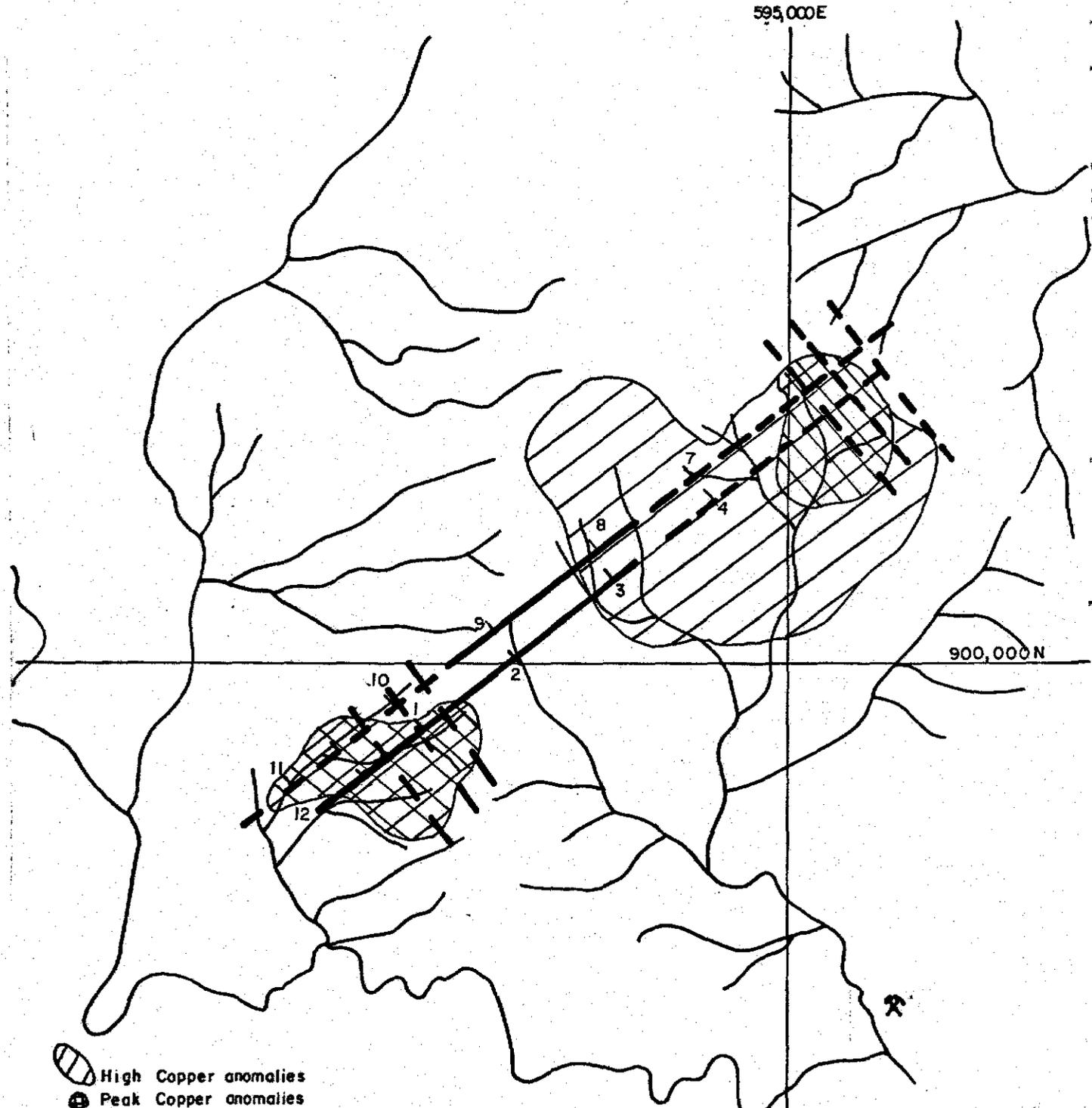
J.H. RATTIGAN

Minerals Exploration Manager.

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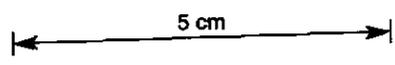
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# UPPER SCAMANDER ANOMALIES



-  High Copper anomalies
-  Peak Copper anomalies
-  IP Traverse completed
-  IP Traverse extensions recommended.

5 cm



SCALE : 1:25,000

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Appendix I.

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# **Austral Exploration Services Pty Ltd**



**5 DELORAINE ROAD, EDWARDSTOWN, SOUTH AUSTRALIA**

P.O. Box 16, Edwardstown, South Australia 5039

Phone 76 1233, 3 lines      After Hours 76 4022

COMMENTS ON

INDUCED POLARIZATION RESULTS

UPPER SCAMANDER AREA

Survey For

GÉOPHOTO RESOURCES CONSULTANTS

by

John E. Webb  
Consulting Geophysicist

January, 1975.

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UPPER SCAMANDER AREA

Line 1

This line has four anomalies in metal factor.

34NE to 37NE. This anomaly has a medium expression in metal factor with a coincident resistivity low. It lies within a wide of higher frequency effects.

24NE to 27NE. This is a near surface anomaly in metal factor and is most likely due to a very shallow source. There is a medium value resistivity low and an increase in frequency effect.

17NE to 20NE. This is a zone of slight increase in metal factor with a coincident resistivity low but nothing of note in the frequency effects.

8SW to 3SW. This is a metal factor anomaly within an area of lower resistivities with a very slight increase in frequency effects.

Line 2

This line has three metal factor anomalies.

36NE to 38NE. This has a metal factor high in the 3rd and 4th separations. There is an accompanying medium resistivity low and a small increase in frequency effects.

33NE to 35NE. This is a local shallow high in metal factor with an accompanying resistivity low. Although it lies within a zone of higher frequency effects, it does not have a high associated with the anomaly.

28NE to 31NE. This is a local metal factor high with an accompanying frequency effect high and resistivity low.

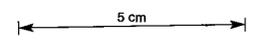
Conclusions

None of the anomalies on these two lines look particularly interesting and no drilling targets are recommended. Line 1, 34NE to 37NE could be worthy of further investigation. Likewise Line 2, 36NE to 38NE which is very likely from the same source.

Drawing

- 1. Induced polarization survey 12, 1, 2, 3
- 2. ✓ ✓ ✓ 809

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AUSTRAL EXPLORATION SERVICES PTY. LTD.

INDUCED POLARIZATION SURVEY

CLIENT: GEOPHOTO RESOURCES

LOCALITY: UPPER SCAMANDER

DATE: 10th, 11th, 14th, 15th DECEMBER 1969

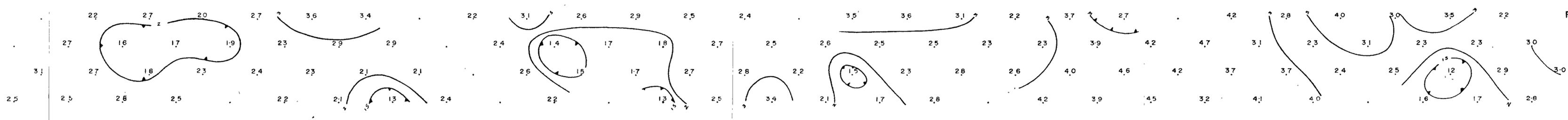
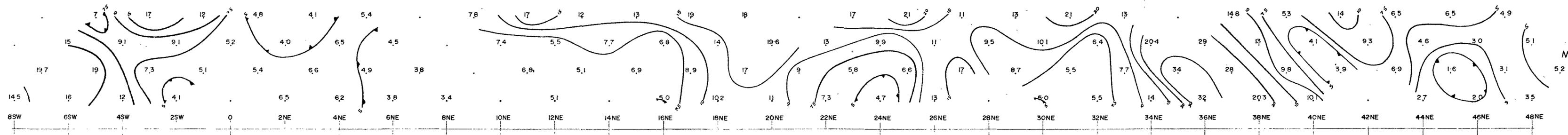
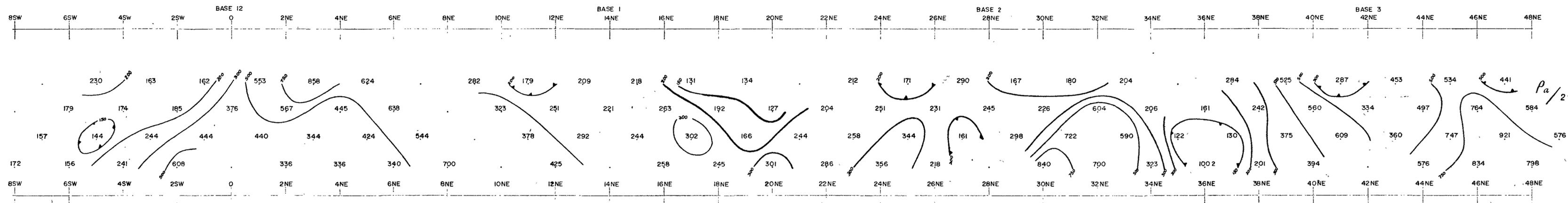
LINE: ① BASES 12, 1, 2, 3.

ELECTRODE INTERVAL: 200ft

FREQUENCY: 3-0.3c.p.s.

SCALE: 1" reps. 200ft

DRAWN BY: W.A.



$\rho_a / 2\pi$

M.F.

F.E.

5 cm

AUSTRAL EXPLORATION SERVICES PTY. LTD.

INDUCED POLARIZATION SURVEY

CLIENT: GEOPHOTO RESOURCES

LOCALITY: UPPER SCAMANDER

DATE: 16th DECEMBER 1969

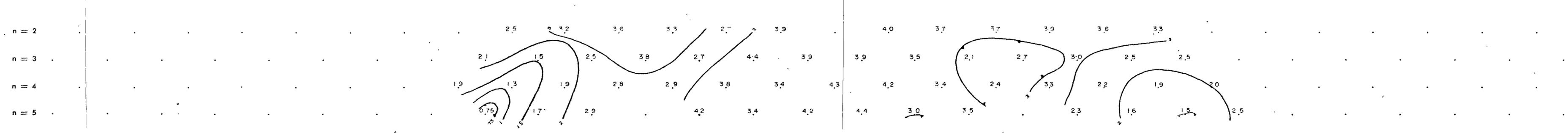
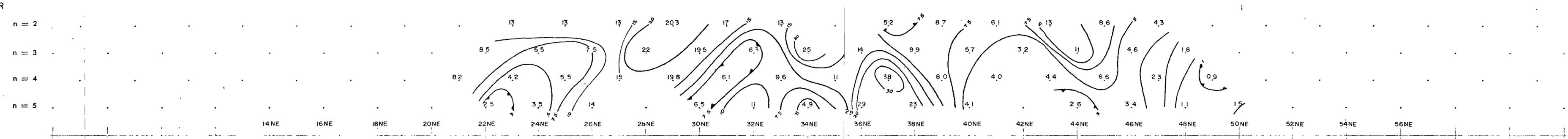
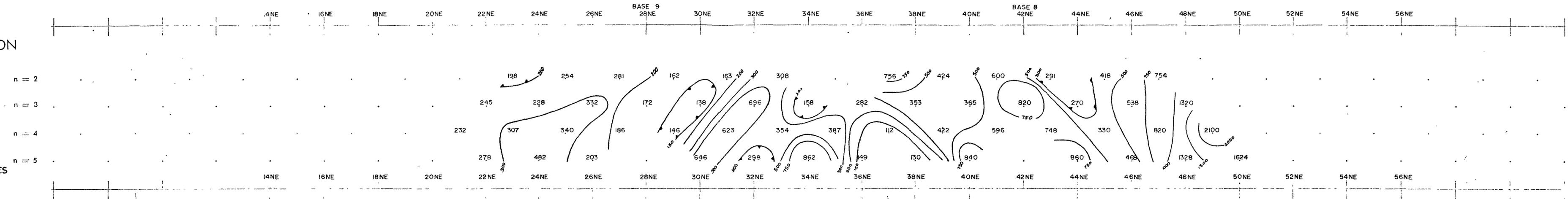
LINE: ② BASES 8, 9

ELECTRODE INTERVAL: 200ft

FREQUENCY: 3 - 0 3 c.p.s.

SCALE: 1" reps 200ft

DRAWN BY: W.A.



$P_a / 2\pi$

M.F.

F.E.