

827075

DEC 17 1979

KERR ADDISON MINES LIMITED

(FOR INTER-OFFICE USE ONLY)

BC-9
4B

To D.A. Lowrie From W.M. Sirola
920/1E
Subject BIG BAR CLAIMS, CLINTON MINING DIVISION - Date December 13, 1979
INDUCED POLARIZATION SURVEY (92-0)

Please find enclosed:-

- (a) A copy of Jones' geological map, (File BC/9-2)
- (b) A copy of our geochemical plan showing anomalous gold in rock samples, and (File BC/9-5)
- (c) A plan showing I.P. results.

J.D.B.
A.H.C.
P.S.C.
W.J.
~~DMH~~
DMH
J.B.S.
[Signature]
FILE

All of these are on a scale of 1 : 5,000.

Thus far, everything seems to be working according to Hoyle in the sense that we have a superposition of the I.P. anomalous trend over the heart of the anomalous gold geochemistry and over the greatest density of quartz veins as mapped by Harold Jones.

We are not sure at this point in time why the trend of the anomalous parameters is north-westerly, but it may be that there is a broad zone of fracturing and silicification along a fault which does not manifest itself as any kind of linear. In any case, I am very pleased to see this coincidence of factors and we will have to consider acquiring more ground to the south. Unfortunately, because of very rough terrain, the I.P. crew was unable to extend the survey beyond line 13+00 East.

I am not, for the time being, giving much credence to those anomalous features shown on the I.P. map as dashed red lines. These are shown from line 4 east to 7 east, but they may simply reflect the change from the oxidised zone to the primary zone.

I think that we now have sufficient positive criteria which fit the bi-modal model of Tertiary gold mineralization to justify further work in the Spring.

The interpretation might well be: a series of parallel trending fracture zones trending northeasterly

[Signature]

W.M. Sirola

W.M. Sirola

Dec 17/79

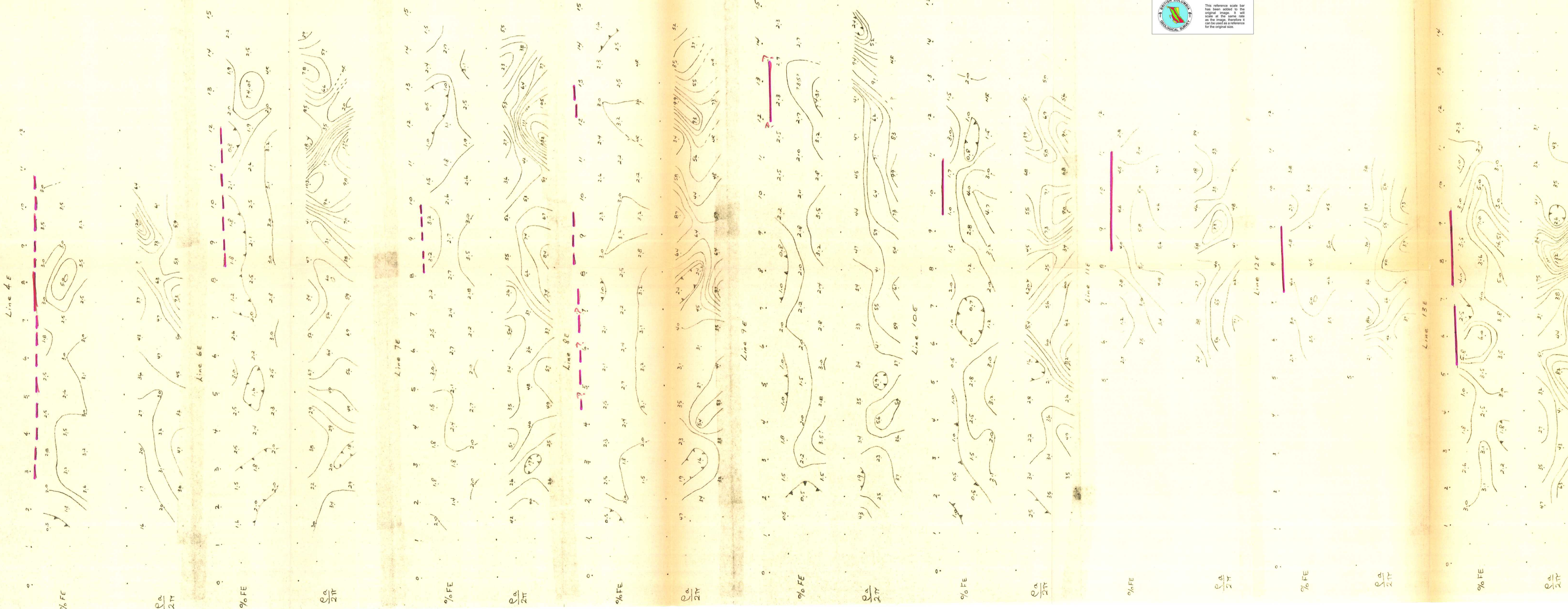
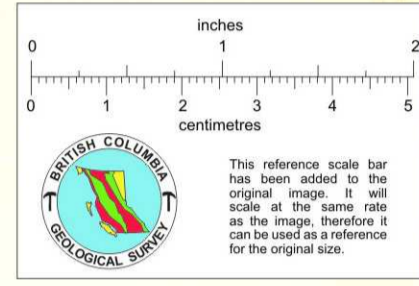
Encls.

WMS:meh

INDUCED POLARIZATION SURVEY
(Frequency Domain)

Dipole-Dipole array, spread = 100 meters
Frequencies = 10 Hz & 0.3 Hz

Scale: 2cm = 100 meters (1:50)



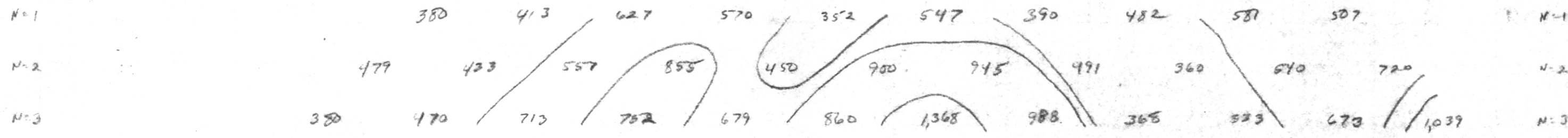
Geotronics Surveys Ltd.
Kerr-Addison Mines Ltd.
Big Bar Property
Nov. 1979

L-9N

(TOP OF HILL)

7^E 7+50^E 8^E 8+50^E 9^E 9+50^E 10^E 10+50^E 11^E 11+50^E 12^E 12+50^E 13^E 13+50^E 14^E 14+50^E 15^E

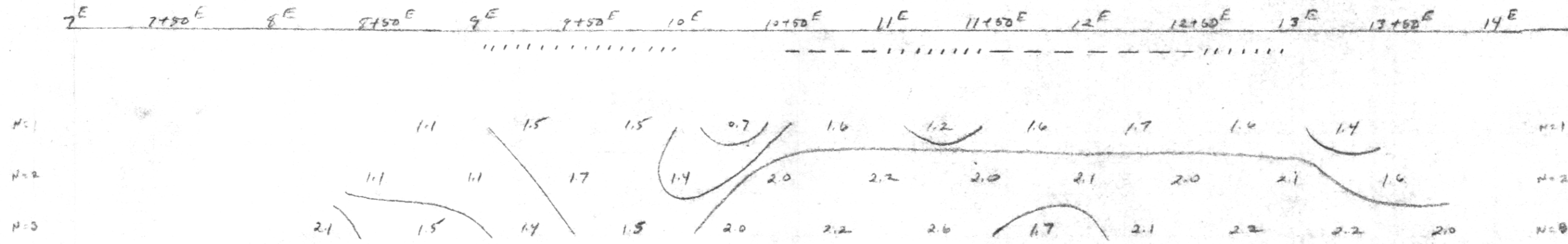
RES.



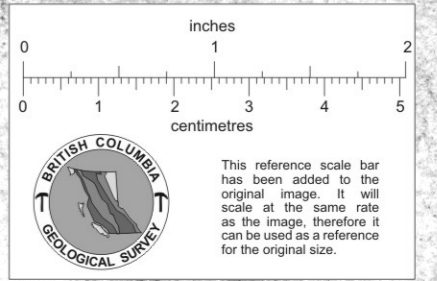
APPARENT RESISTIVITY (OHM-METERS)

PHOENIX GEOPHYSICALS LTD
 KEAR ARDISON MINES LTD
 AREA: BIG BAR, B.C.
 LINE: 9N
 SURVEY: DIPOLE-DIPOLE
 SPREAD: 50 METERS
 SCALE: 1" = 50M
 FREQUENCY: 5 & 0.31 Hz
 INSTRUMENT: JPV-1
 OPERATOR: M. PHOENIX
 DATE: SEPTEMBER 11, 1977

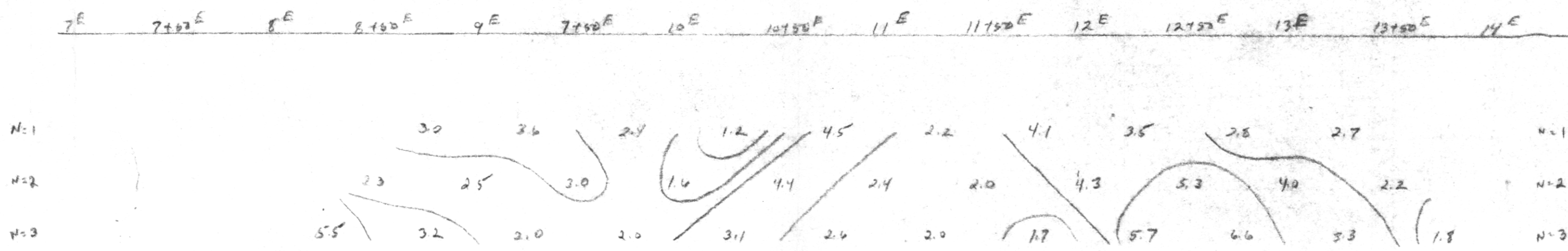
F.E.



FREQUENCY EFFECTS @ 5 & 0.31 Hz



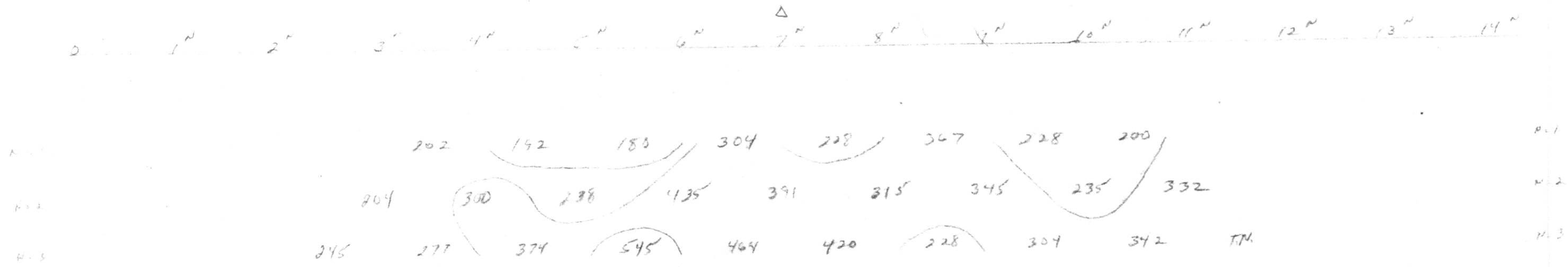
M.F.



METAL FACTORS

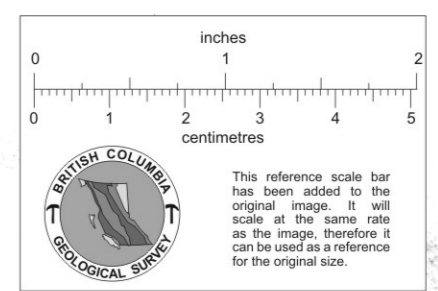
L-11E

RES.

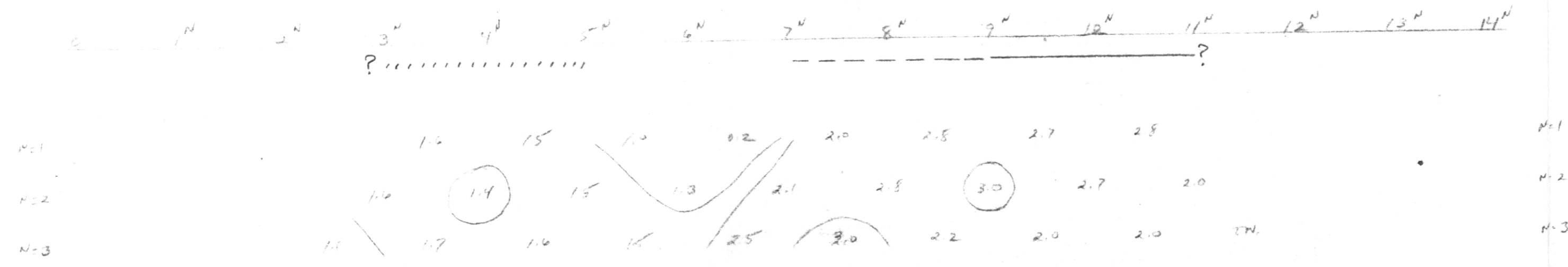


APPARENT
RESISTIVITY
(OHM-METERS)

PHOENIX GEOPHYSICS LTD
 KERR ADDISON MINES LTD
 AREA: BIG BAR, B.C.
 LINE: 11E
 SURVEY: DIPOLE-DIPOLE
 SPREAD: 100 METERS
 SCALE: 1" = 100 M
 FREQUENCY: 54031 HZ
 INSTRUMENT: TP-1
 OPERATOR: M. PARENT
 DATE: SEPTEMBER 8, 9, 1979

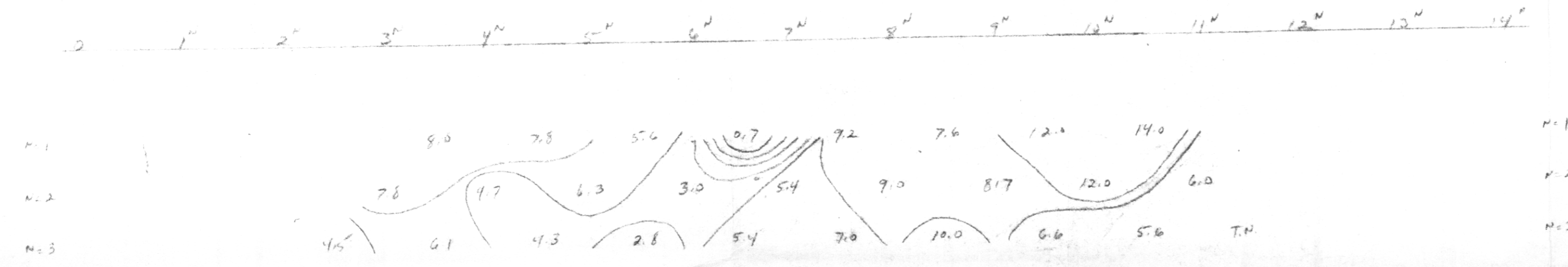


F.E.



FREQUENCY
EFFECTS
@ 54031 HZ

M.F.



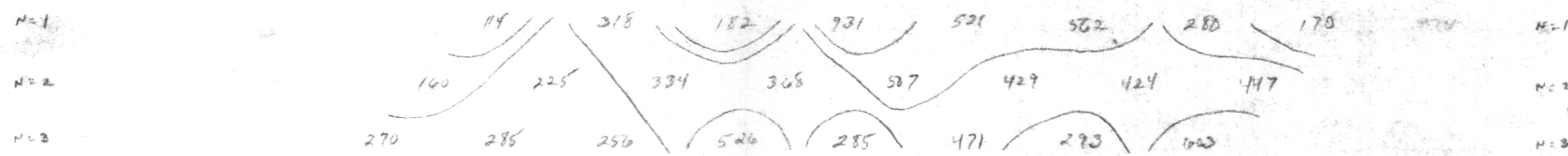
METAL FACTOR

KERR

C-12E

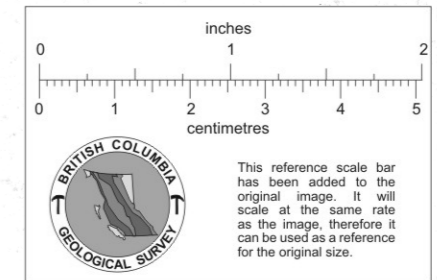


RES

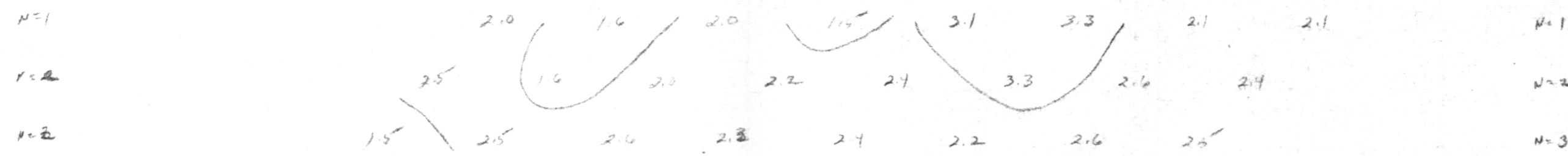
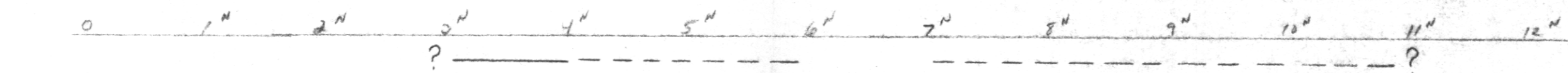


N=1
N=2
N=3
APPARENT RESISTIVITY (OHM-METERS)

PHOENIX GEOPHYSICS LTD
KERR ADRISSON MINES LTD
AREA: BIG BAR, B.C.
LINE: 12E
SURVEY: DIPOLE-DIPOLE
SPREAD: 100 METER
SCALE: 1" = 100 M
FREQUENCY: 5 & 0.3 Hz
INSTRUMENT: IPU-1
OPERATOR: M. PARENT
DATE: SEPTEMBER 9, 10 1979

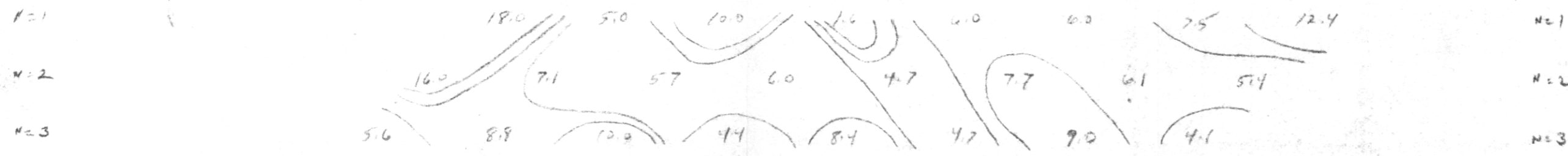
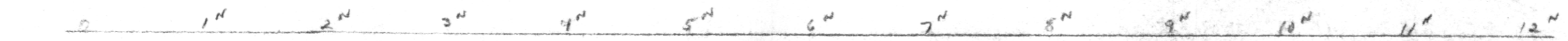


F.E.



N=1
N=2
N=3
FREQUENCY EFFECTS @ 5 & 0.31 Hz

M.F.



N=1
N=2
N=3
METAL FACTOR