

GEOPHYSICAL REPORT

KENA COPPER GOLD PROSPECT

NELSON MINING DIVISION

LAT. 49° 26', LONG 117° 16'  
NTS 82F/6W

FOR

NORAMCO MINING CORPORATION AND GOLDEN LAKE RESOURCES LTD.

BY

DELTA GEOSCIENCE LTD.

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

Part 3 of 3

20,654

NOVEMBER 21, 1990.

GRANT A. HENDRICKSON, P.GEOPH.

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## INTRODUCTION

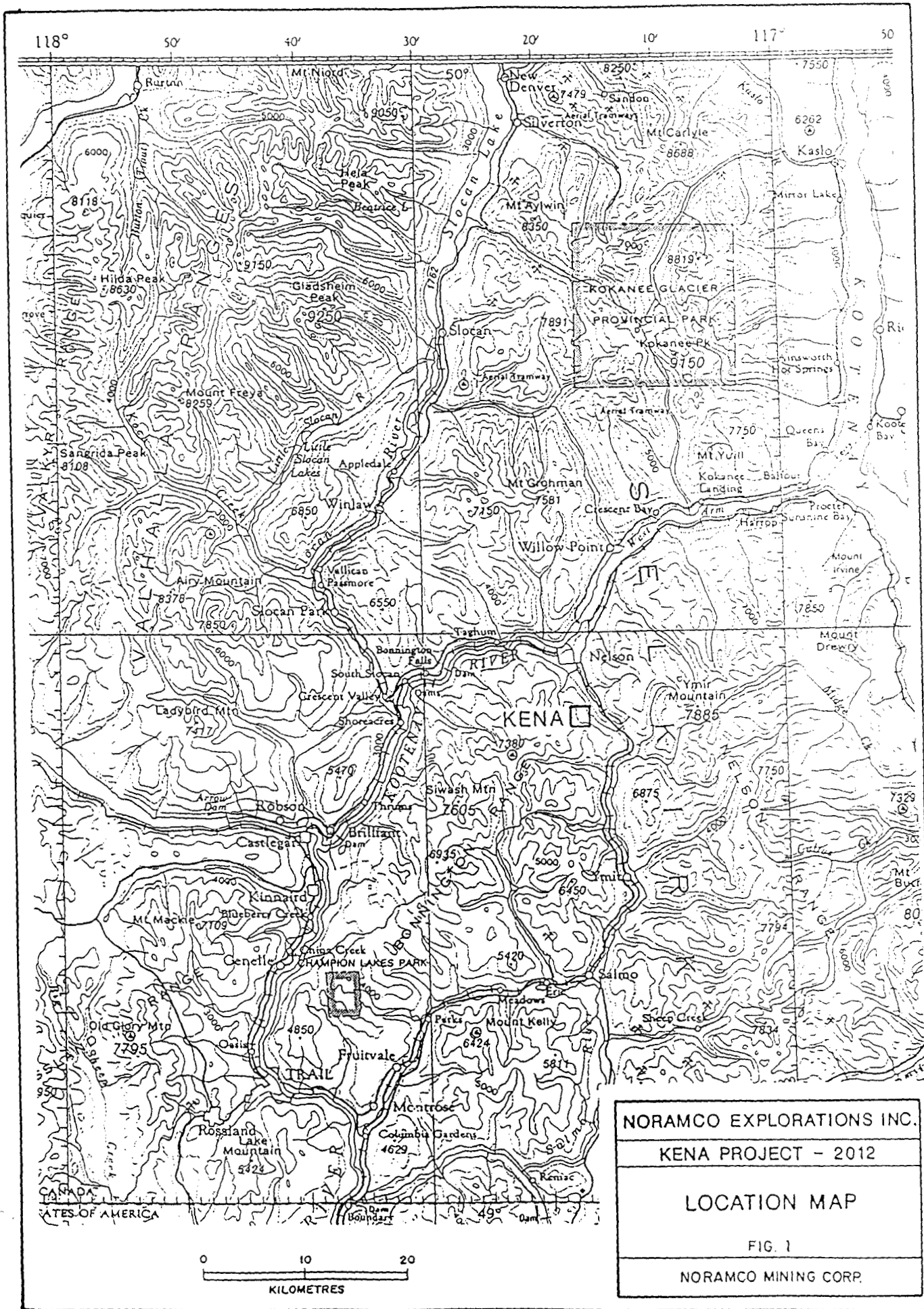
At the request of Noramco Mining Corporation Ltd., Delta Geoscience Ltd conducted Induced Polarization, Resistivity, VLF-EM and Magnetic surveys on the Kena Copper South Grid. Approximately 15kms of line were surveyed during the period September 23 to October 1, 1990.

The Kena Copper project is located in the Nelson Mining District, approximately 8kms south of the town of Nelson, B.C.

The exploration target is bulk tonnage copper and gold mineralization hosted in Jurassic age volcanic and intrusive rocks of the Rossland Group.

The geology of the survey area is described in more detail in an internal Noramco report referenced at the back of this report.

Steep topography and dense forest characterize the survey area. Overburden thickness is minimal (less than 10 meters). Fortunately a good network of logging roads provides access to most of the grid for four wheel drive vehicles.



NORAMCO EXPLORATIONS INC.  
 KENA PROJECT - 2012  
 LOCATION MAP  
 FIG. 1  
 NORAMCO MINING CORP.

PERSONNEL

Craig Raynes - Geophysicist Field Crew Chief.  
Tom Bokenfohr - Geophysical Technologist.  
Grant Hendrickson - Senior Geophysicist/Supervisor.  
William Lewis - Noramco Geologist (assisted the  
Delta Crew).  
1 local helper - provided by Noramco.

EQUIPMENT

2 - Scintrex IGS VLF/MAG Receivers.  
1 - Scintrex MP-3 Base Station Magnetometer.  
1 - BRGM IP-6 Induced Polarization Receiver.  
2 - Hunttec 2.5kva Induced Polarization Transmitters.  
5 - King VHF Radios.  
1 - Toshiba 3200 Field Computer.  
1 - Toshiba DL2600 Printer/Plotter.  
1 - Toshiba 1200 Field Computer.  
1 - Toyota 4x4 Truck.

### DATA PRESENTATION

Maps of the Fraser filtered vertical in-phase VLF, VLF vertical in-phase combined with VLF horizontal field strength and total magnetic field strength are presented as stacked profile plans and contour plans. The I.P. and Resistivity data is presented as pseudo-sections of each line with filtered profiles of each parameter at the top of the pseudo-section. The metal factor is also presented as a pseudo-section on the same plot as the chargeability and resistivity. Metal factor is defined as chargeability divided by resistivity times 100. All of these maps are at a scale of 1:2500.

Profile plans aid in interpretation since the profile shape (the wavelength) is directly related to the depth, attitude and width of anomalous areas. Profile data is presented increasing to the right or north from a base level (value at line position). Stacked profiles give an overall view of the data prior to any contouring bias.

Contoured plans give a good spatial view of the data's intensity and continuity.

The VLF-EM data was recorded using the Annapolis, Maryland station, NSS, transmitting at 21.4khz. Separate profile sections of the filtered VLF data for each line have been prepared, with the Fraser and Hjelt filtered values posted below the profiles. These sections have been appended to this report.

## SURVEY PROCEDURE

Noramco established a grid with a line spacing of 100 meters and a station separation of 25 meters.

VLF-EM and magnetic readings were taken at 12.5 meter intervals along the grid lines. The VLF station NSS was chosen for this survey since it is approximately on strike with the expected strike of the geological features of interest. Note that for optimum electromagnetic coupling, the conductive features (mineralized shear zones?) should strike directly towards the VLF transmitter.

Three components of the VLF-EM electromagnetic field were measured: the horizontal field strength, vertical in-phase and vertical quadrature. All of the vertical in-phase data was subsequently filtered using the Fraser and Hjelt filters. These filtering techniques help in understanding the spatial position of conductive zones, both along strike and downdip. Filtering also minimizes topographical effects in the data, an important consideration for this survey area.

Technical details of the filtering procedures are referenced at the end of this report and the reader is urged to refer to them.

Skin depth is an important parameter of VLF surveying which should be considered. It is a useful term for describing the depth of penetration of electromagnetic waves. A good conductor buried at one skin depth will yield a signal at the surface with an amplitude equal to approximately 10% of the incident signal. Detection of this weak a signal is difficult in the presence of any noise. Skin depth decreases with an increase in frequency, or a decrease in the resistivity of the bedrock and/or overburden. Skin depth for this relatively high resistivity survey area is estimated to be approximately 200 meters.

Magnetic field measurements were corrected for any diurnal variation and to a common datum, through the use of the MP-3 base station magnetometer which sampled the field every minute for the duration of the magnetic survey. The earth's magnetic field was relatively quiet ( $\pm 30$ nt) for the survey period.

The pole-dipole array was chosen for the Induced Polarization survey work, since we were tying into a previous pole-dipole survey. A dipole size of 25 meters was used with readings at N=1, 2, 3 and 4. The remote current electrode was kept to the west of the grid. This small array size gives good horizontal resolution, with the prime depth of investigation focused in the 20 to 50 meter range.

These geophysical surveys have been designed to help solve four main exploration problems:

- a) spatial position and quantity of subsurface disseminated sulphide mineralization.
- b) spatial position of structures, both along strike and cross-cutting.
- c) respond to the different lithologies to assist in geological mapping.
- d) cost effective surveying in rough terrain.

The Induced Polarization (chargeability) was expected to respond primarily to disseminated sulphide zones and only moderately to changes in lithology.

The Resistivity survey was expected to respond primarily to the lithology and moderately to structures (linear resistivity lows). Any correlation of high chargeability with resistivity lows would be significant exploration targets. Generally, disseminated sulphide mineralization has to be quite concentrated (>10%) in order to substantially reduce the bulk resistivity of the rock.

The VLF-EM survey was expected to respond primarily to conductive shear zones.

The magnetics were expected to respond primarily to near surface pyrrhotite/magnetite mineralization and moderately to lithology, due to slight changes in the magnetic susceptibility of the underlying bedrock. Mafic volcanic rocks or intrusives normally have a higher magnetic response than felsic volcanics or intrusives. Felsic intrusives are generally magnetic lows, however the response of intrusives depends largely on the amount of disseminated magnetite mineralization present - something which varies considerably between intrusives.



Intense hydrothermal alteration of mafic volcanics and intrusives can destroy magnetite mineralization, thus these rock types can display a very "local" magnetic low in areas of interest.

## DISCUSSION OF THE DATA

### Induced Polarization & Resistivity:

Line 8700N, Fig. #2 - from approx. 5+50W to 2+00W the chargeability background doubles to approx. 24msec, which suggests approx. 3% disseminated sulphide is present in this zone. At 4+12W there is a minor peak in the chargeability response. This peak falls on the immediate west side of a buried ( $\approx$ 50m deep) high resistivity, low chargeability zone. This high resistivity zone (2375W) is likely due to silicification.

Line 8800N, Fig. #3 - the increase in chargeability background noted on L.8700N appears more concentrated to the area between 5+00W and 4+00W on this line. The average sulphide concentration has probably increased to approx. 5%, which is enough to produce a small coincident resistivity low. Correlating weak VLF responses in this area suggest a steep east dip.

- the high resistivity zone on L.8700N, 375W has a similar response at 3+25W on this line.

- a modest I.P. response at 0+40W correlates with a weak decrease in resistivity. The Hjelt filtered data indicates a VLF-EM conductor is improving with depth along the west flank of this I.P. anomaly.

Line 8900N, Fig. #4 - a broad, near surface, modest I.P. response occurs between 3+50W and 2+25W. There is little, if any effect on the resistivity. Sulphide concentration in this zone is likely approx. 3%. No correlating VLF response was detected.

Line 9000N, Fig. #5 - a broad, near surface, modest chargeability response was detected between 4+00W and 2+00W. This increase in chargeability does not correlate with any significant change in the resistivity. Sulphide concentration is likely approx. 3% in this zone. No correlating VLF response was detected.

- the chargeability background has increased slightly on the east end of this line.

Line 9500N, Fig. #6 - a broad, moderately strong increase in chargeability occurs between 3+25W and 1+75W. Sulphide concentration in this zone is likely 5 to 6%. A modest resistivity low is coincident with the chargeability response. A significant VLF-EM conductor at 2+25W appears to be related to this build-up in chargeability. The VLF-EM data suggests a steep west dip for this zone.

- a second very significant strong increase in chargeability occurs between 0+25W and 1+35E. This response is likely due to two strongly chargeable zones close together. The higher chargeability zone has a significant resistivity low directly associated with it. A strong VLF-EM conductor is also coincident with this anomaly. The Hjelt VLF-EM filter section indicates the anomaly is dipping steeply east and improves with depth. The VLF anomaly continues on to the north, which is encouraging. The magnetics suggest this anomaly lies within the contact area between mafic rocks to the east and more felsic rocks to the north. A relatively modest magnetic low immediately west of the baseline on lines 9300N to 9800N may be due to an alteration effect (up-dip and possibly in the footwall) associated with the increase in sulphide mineralization in this area. The spatial extent of the stronger VLF responses agrees quite well with this magnetic low.

VLF-EM - Figs. #7 & 8:

The VLF data (Fig. #7) shows some effects from the steep topography of the grid. The generally high resistivity of this survey area and the minimal amount of overburden on the slopes help lessen the topographic influence. Conductive anomalies are indicated by cross-overs (positive to negative) in the vertical in-phase data as you go west to east. These cross-overs should occur with a coincident peak response in the horizontal field strength. Filtering of the data also helps reduce the topographic effects.

The strongest VLF responses correlate quite well with the stronger I.P. and resistivity anomalies, which is encouraging and will help in the evaluation of spatial extent of anomalies, since the I.P. survey coverage of the grid was not complete. The Hjelt filter VLF-EM sections suggest that several of the stronger VLF conductors are improving with depth (see L.9500N, L.9600N, L9700N and L.9400N just east of the baseline).

The overall trace of the VLF conductors (Fig. #8) likely indicates the near surface trace of significant fault structures. The local improvement in conductivity along these structures is probably due to sulphide mineralization which implies hydrothermal activity.

Magnetics, Fig. #9 & 10:

The magnetics appear to have done a good job in mapping the mafic geology of this grid. Offsets in the contour lines are likely due to lateral movement along fault lines. In other instances, a linear arrangement of narrow magnetic lows indicate a fault zone (a reduction of magnetic susceptibility due to the alteration of magnetite).

Interpreted faults based on the magnetic and VLF data can be seen in Fig. #10, the magnetic plan.

Offsets along the main E-W trending fault (crosses the grid from 8700N, 300E to 9650N, 450W) appear to be substantial (200 to 300 meters).

The effects of topography and possible shallow dips have been ignored in this discussion, since the data indicates we are dealing with steeply dipping structures and lithology.


CONCLUSIONS AND RECOMMENDATIONS

The strong I.P. anomalies and coincident VLF-EM conductors on line 9500N at 2+35N and at 0+40E should be evaluated by drilling. The apparent sulphide zones are broad, thus drill holes should be of good length.

The zone at 0+40E is the better geophysical target. This target, which appears to improve with depth, should be initially tested at the 75 to 100m depth.

If this drilling is encouraging, the I.P. survey should be expanded to cover all of the grid. Consideration should be given to using the gradient array in any further I.P. surveys, since this type of survey would likely achieve the objective in a more cost effective manner than the pole-dipole array.

The combined magnetic and VLF survey in this geologic setting is a very cost effective survey.

  
-----  
Grant A. Hendrickson, P.Geoph.

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STATEMENT OF QUALIFICATION

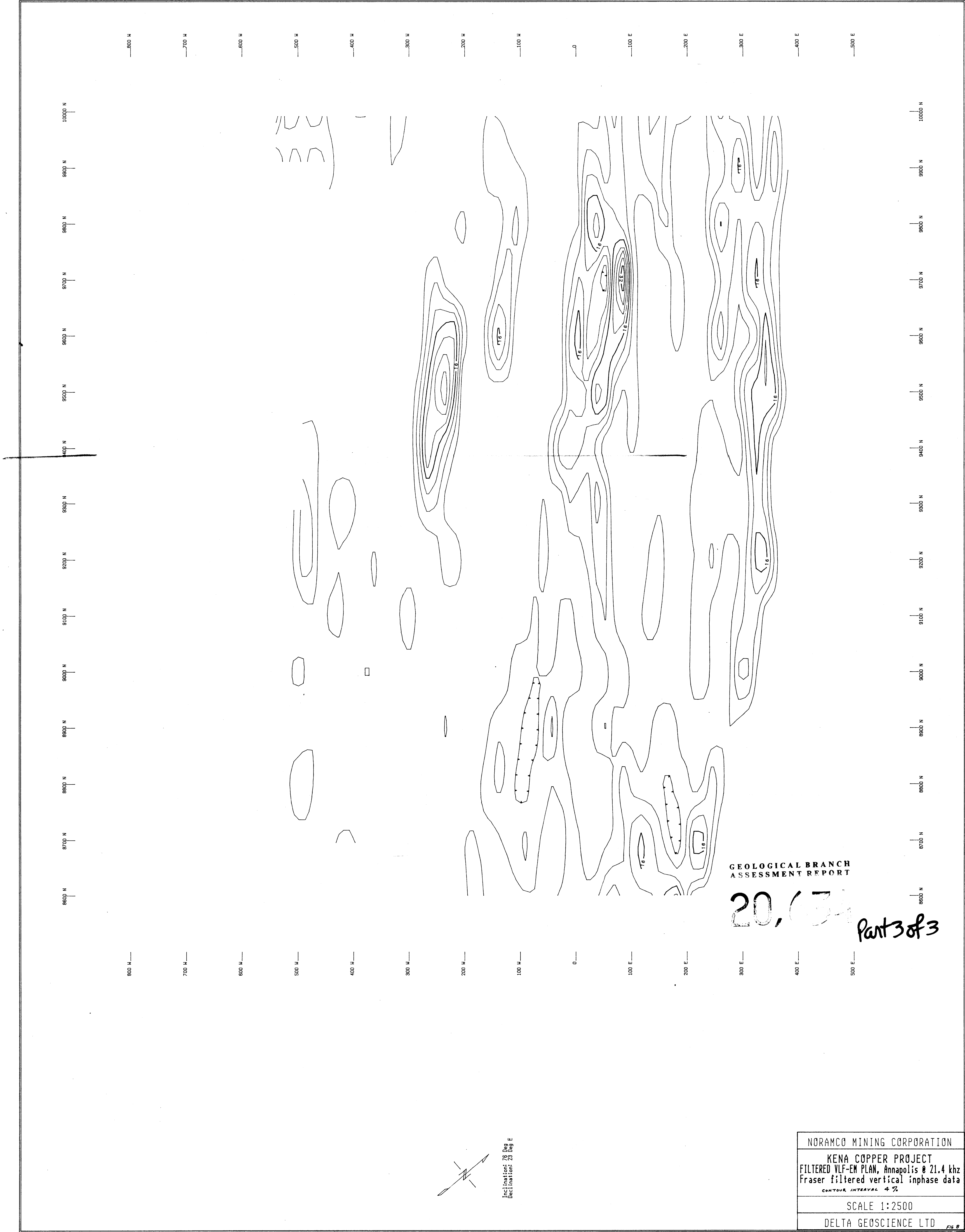
Grant A. Hendrickson

- B.Science, U.B.C. 1971, Geophysics option.
- For the past 19 years, I have been actively involved in mineral exploration projects throughout Canada, the United States, Europe and Central and South America.
- I am a registered Professional Geophysicist with the Association of Professional Engineers, Geologists and Geophysicists of Alberta.
- I am an active member of the S.E.G., E.A.E.G., and B.C.G.S.

Dated at Delta, British Columbia, this 21 day of  
Nov, 1990.

A handwritten signature in cursive script, reading "G. Hendrickson", written over a horizontal dashed line.

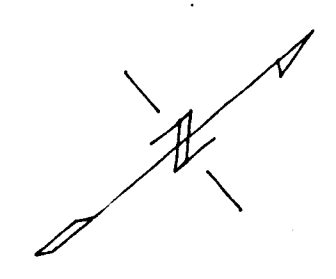
Grant A. Hendrickson, P.Geoph.



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

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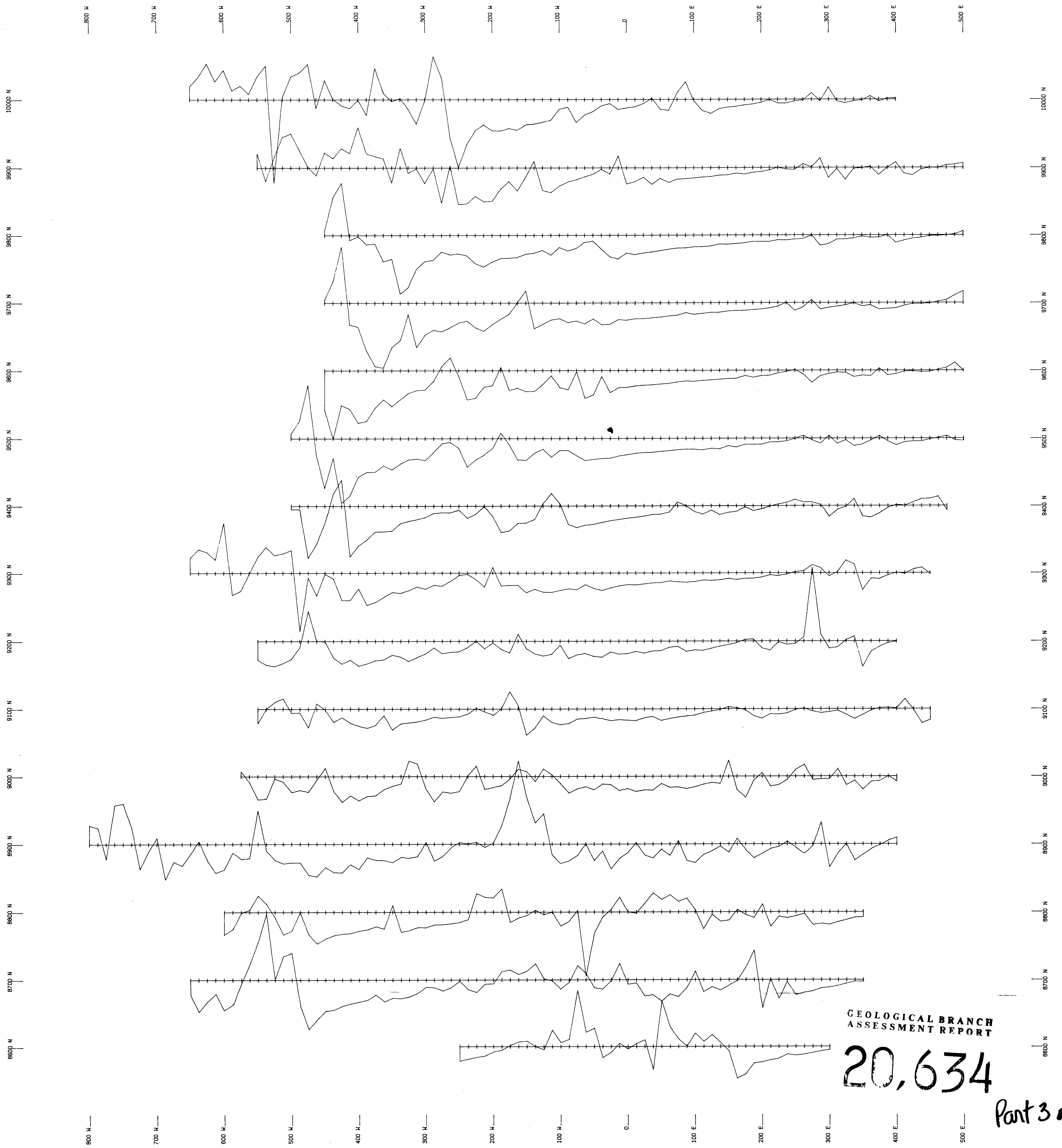


Inclination: 76 Deg  
Declination: 23 Deg E

|   |
|---|
| NORAMCO MINING CORPORATION  |
| KENA COPPER PROJECT<br>FILTERED VLF-EM PLAN, Annapolis @ 21.4 khz<br>Fraser filtered vertical inphase data<br>CONTOUR INTERVAL 4% |
| SCALE 1:2500  |
| DELTA GEOSCIENCE LTD  |

FIG 8

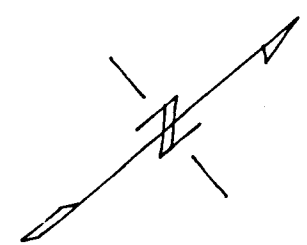




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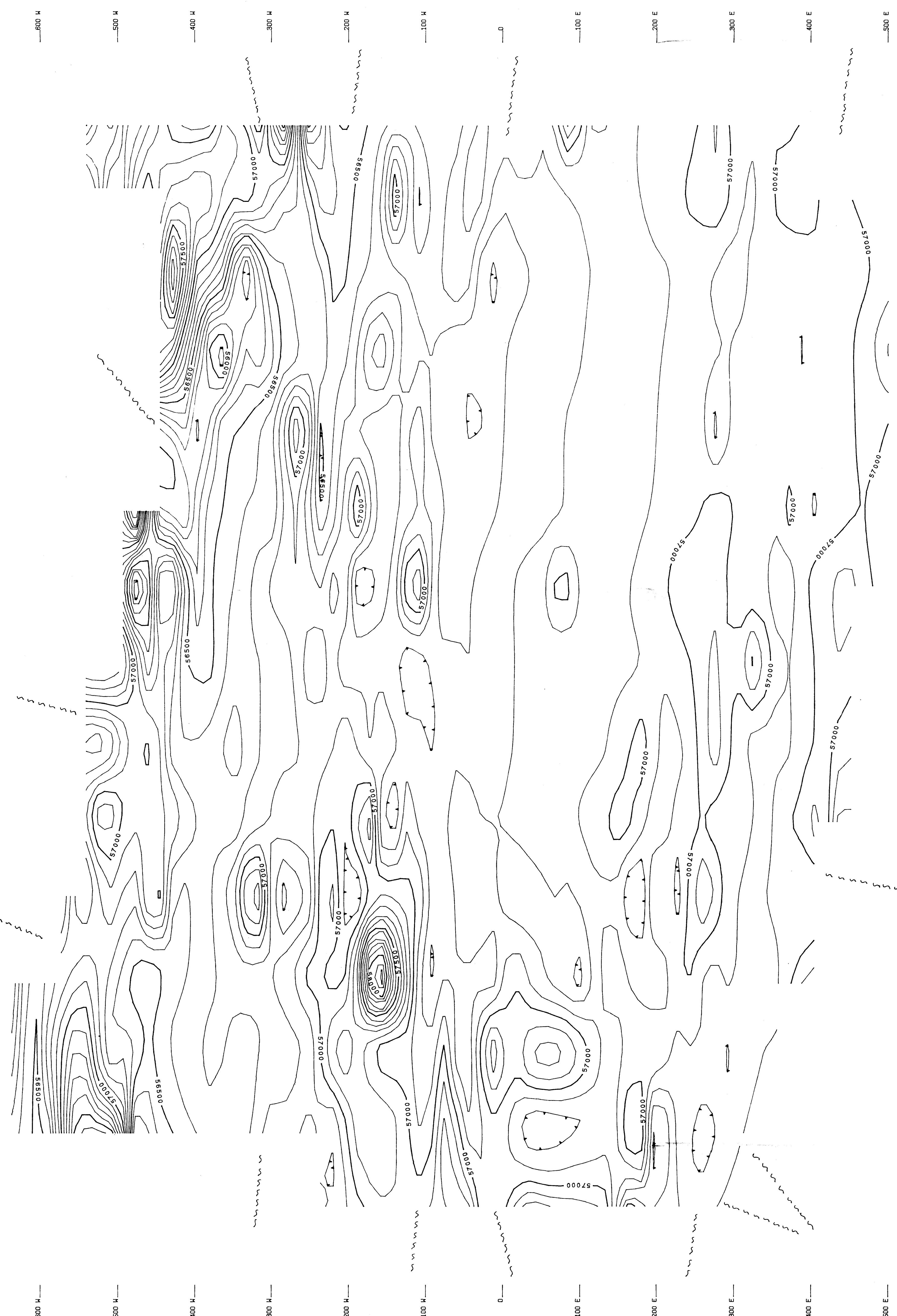
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Inclination: 76 Deg  
Declination: 23 Deg E

|  |
|--|
| NORAMCO MINING CORPORATION   |
| KENA COPPER PROJECT<br>TOTAL FIELD MAGNETIC PROFILES<br>1 cm = 300 nt, base 57000 nt |
| SCALE 1:2500   |
| DELTA GEOSCIENCE LTD   |

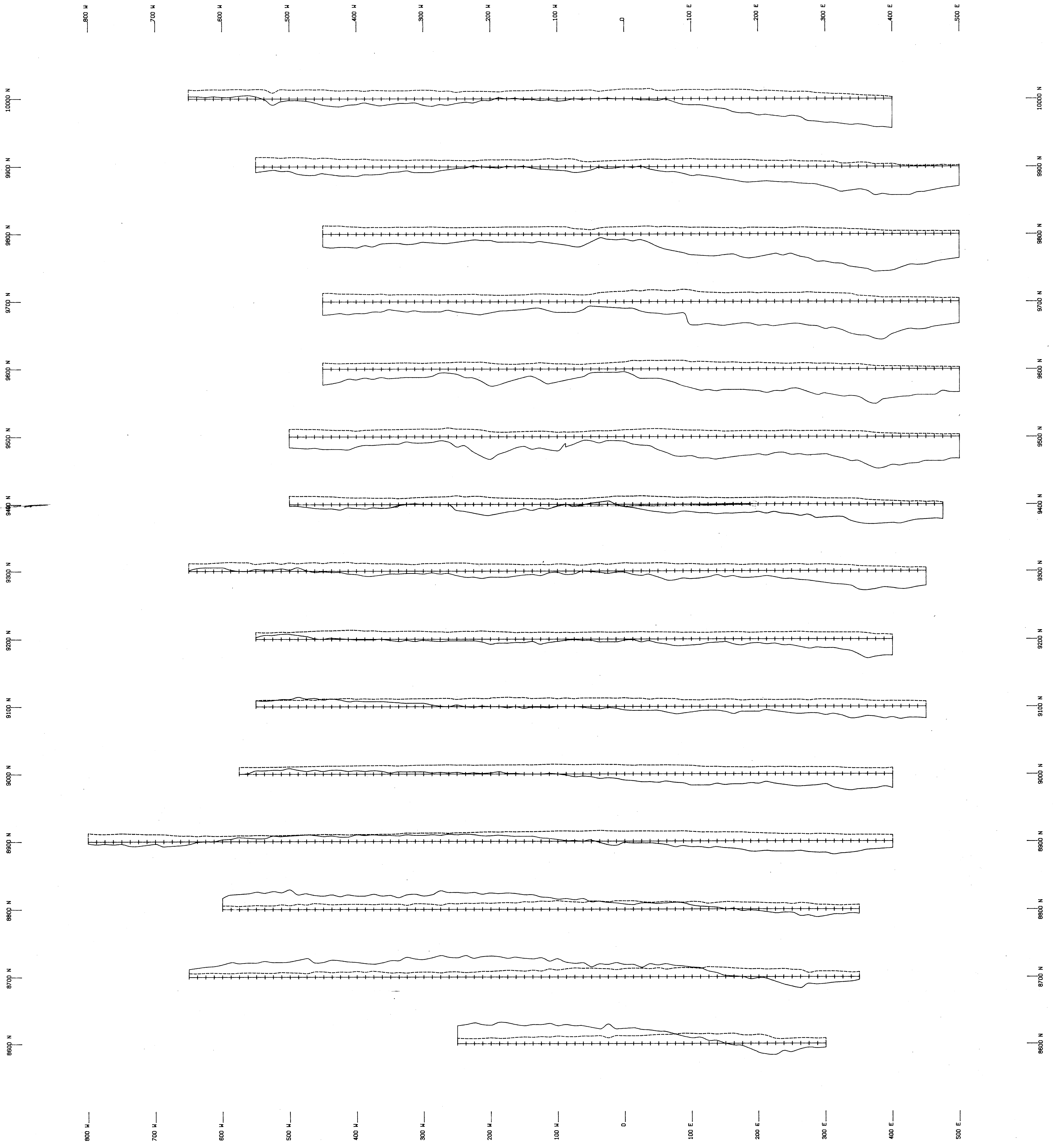


GEOLOGICAL BRANCH  
ASSESSMENT REPORT

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Part 3 of 3

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Declination: 23 Deg E

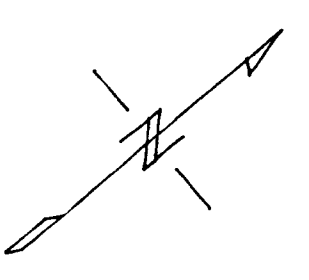
|   |
|---|
| NORAMCO MINING CORPORATION  |
| KENA COPPER PROJECT<br>TOTAL FIELD MAGNETIC PLAN<br>contour interval 100 nt |
| SCALE 1:2500  |
| DELTA GEOSCIENCE LTD <small>FIG 10</small>                                  |



GEOLOGICAL BRANCH  
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Part 3  
of 3



Inclination: 76 Deg  
Declination: 23 Deg E

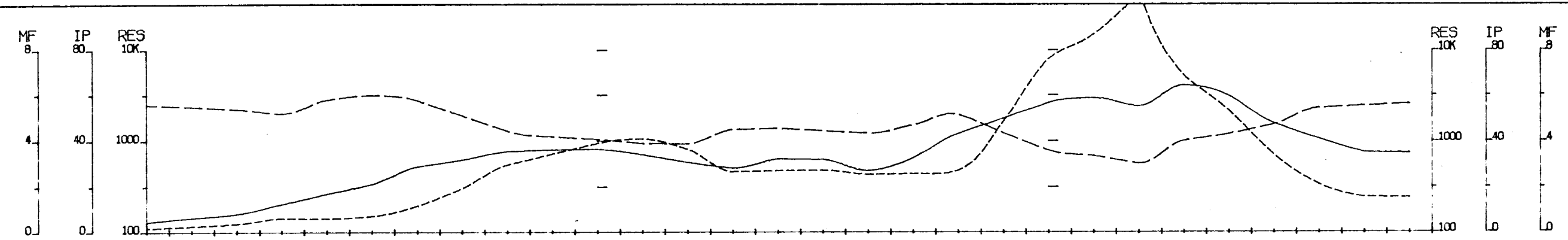
NORAMCO MINING CORPORATION  
KENA COPPER PROJECT  
VLF-EM PROFILES, Annapolis @ 21.4 khz  
vertical inphase solid line @ lcm=30Z, base 0  
horiz. field strength dash line @ lcm=10, base 5  
SCALE 1:2500  
DELTA GEOSCIENCE LTD

FIG 7

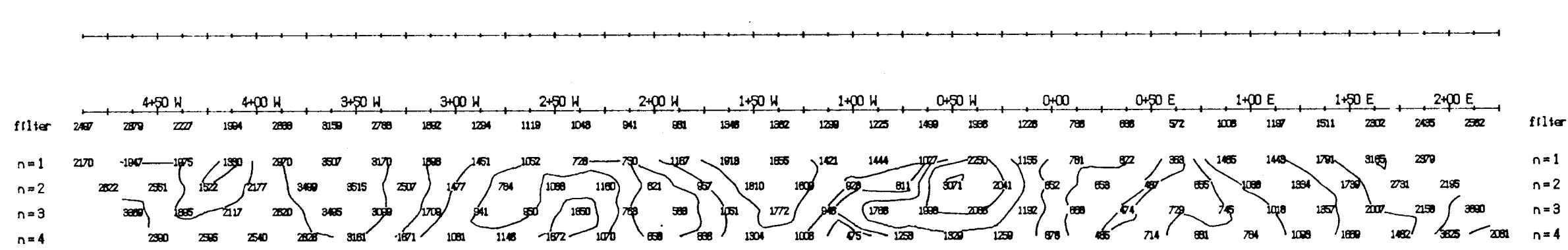
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ASSESSMENT REPORT

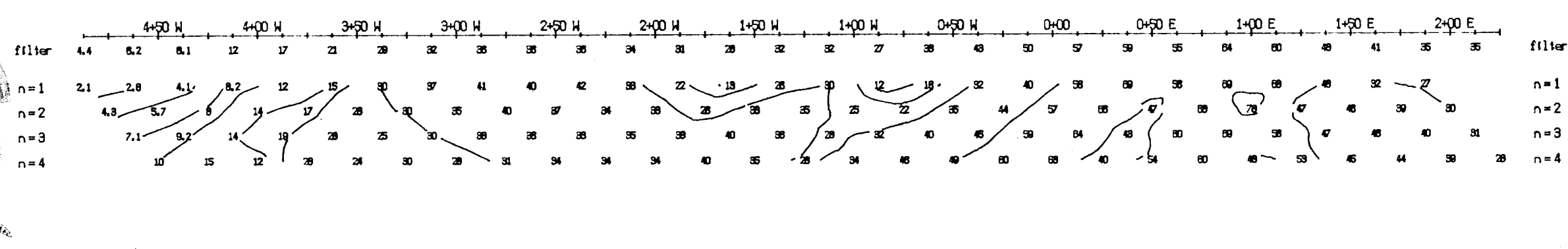
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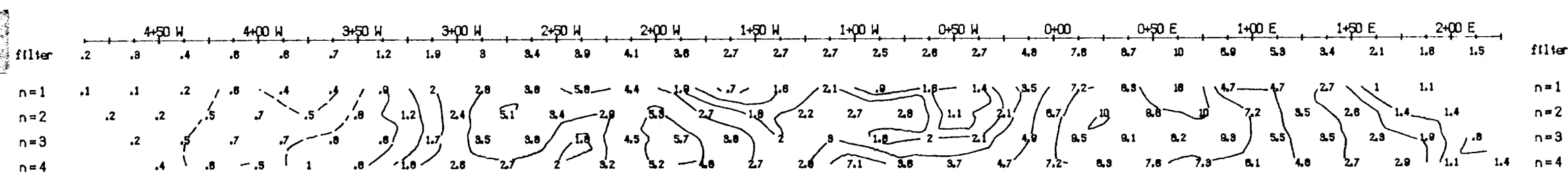
FILTERED PROFILES



TOPOGRAPHY  
RESISTIVITY  
(ohm-m)

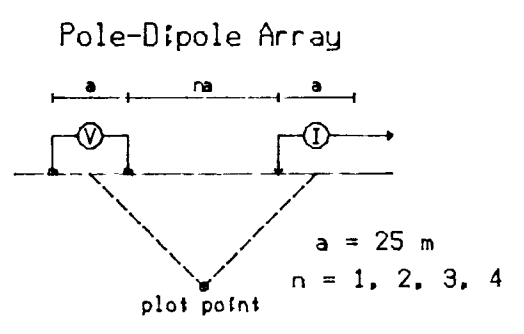


CHARGEABILITY  
(MSEC)  
INTERPRETATION



METAL FACTOR  
( $I_p/res * 100$ )

Line 9500 N



Filtered Profiles

Resistivity ----- \*  
IP ----- \*\*  
Metal Factor ----- \*\*\*

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10, ...

Instrument: IP6, 2.5 kva  
Operators: C.R., T.B.

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- Low resistivity feature.

NORAMCO MINING CORPORATION

INDUCED POLARIZATION SURVEY  
KENA PROJECT - SOUTH GRID  
NELSON, B.C.

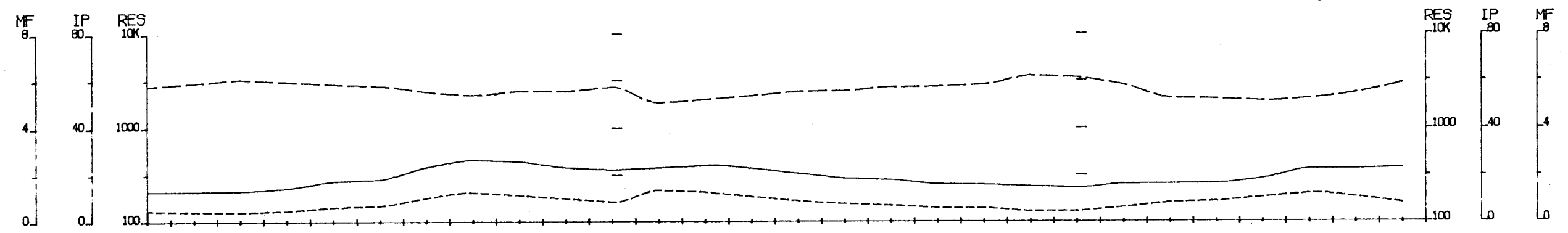
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Scale: 1 : 2500

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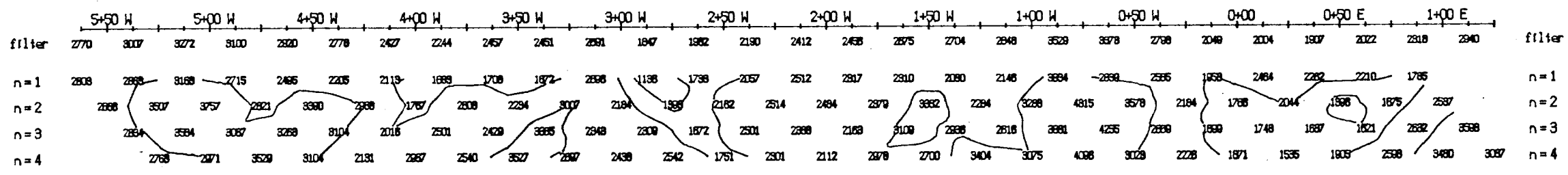
GEOLOGICAL BRANCH  
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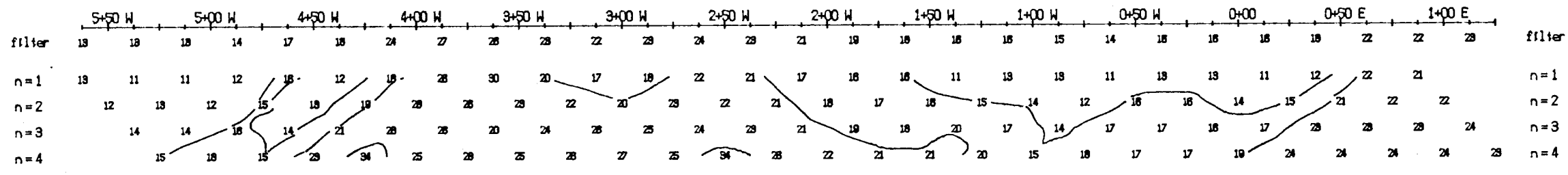


FILTERED PROFILES

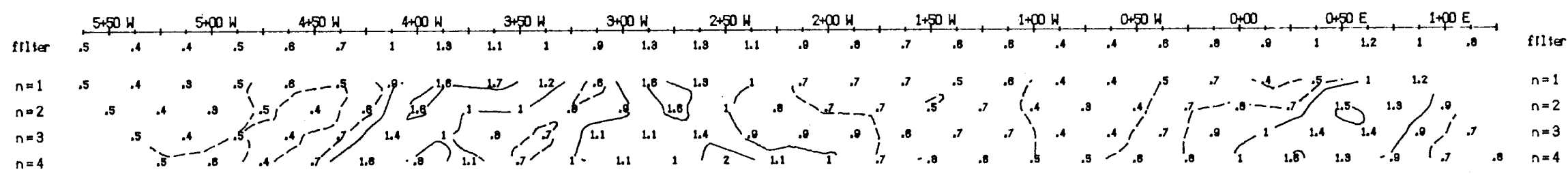
TOPOGRAPHY



RESISTIVITY  
(ohm-m)



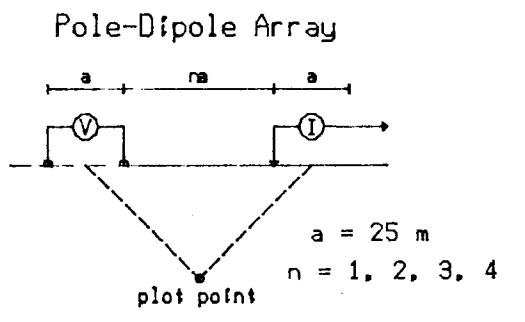
CHARGEABILITY  
(MSEC)



METAL FACTOR  
(ip/res \* 100)

INTERPRETATION

Line 9000 N



Filtered Profiles

Resistivity ----- filter \*  
IP ----- \*\*  
Metal Factor ----- \*\*\*

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10, ...

Instrument: IP6, 2.5 kva  
Operators: C.R., T.B.

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

NORAMCO MINING CORPORATION

INDUCED POLARIZATION SURVEY

KENA PROJECT - SOUTH GRID  
NELSON, B.C.

Date: 90/11/14 NTS Ref: 82 F/6W  
Interpretation by: C.W.R., G.A.H.  
Scale: 1 : 2500

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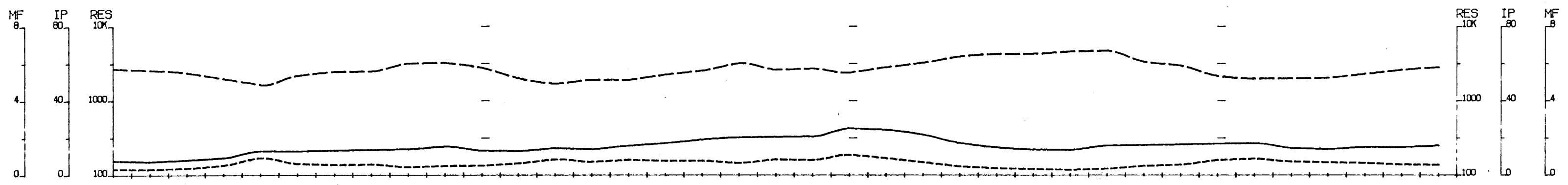
FIG 5



part 3 of 3

LOGICAL BRANCH  
ASSESSMENT REPORT

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FILTERED PROFILES

TOPOGRAPHY

RESISTIVITY  
(ohm-m)

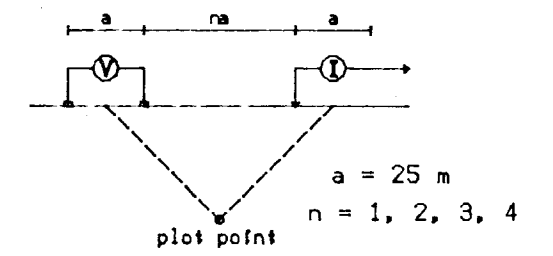
CHARGEABILITY  
(MSEC)

INTERPRETATION

METAL FACTOR  
(Ip/res \* 100)

Line 8900 N

Pole-Dipole Array



Filtered Profiles

Resistivity ----- filter \*  
IP ----- \*\*  
Metal Factor ----- \*\*\*

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10, ...

Instrument: IPB, 2.5 kva  
Operators: C.R., T.B.

INTERPRETATION

Strong increase in polarization accompanied by marked decrease in resistivity.

Well defined increase in polarization without marked resistivity decrease.

□ Poorly defined polarization increase with no resistivity signature.

▼ Low resistivity feature.

NORAMCO MINING CORPORATION

INDUCED POLARIZATION SURVEY

KENA PROJECT - SOUTH GRID  
NELSON, B.C.

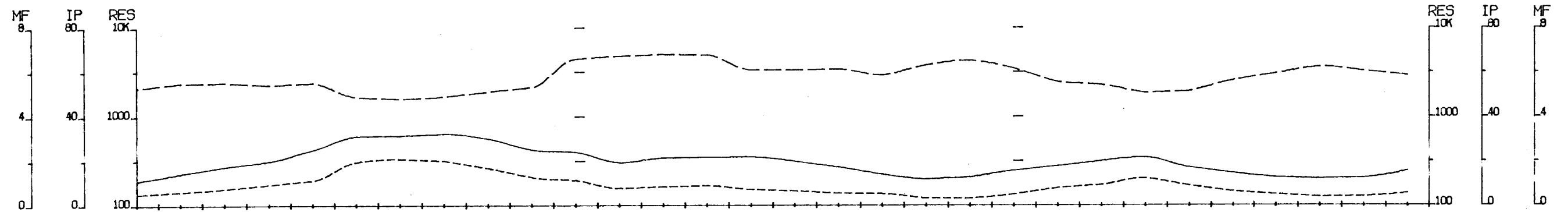
Date: 90/11/14 NTS Ref: 82 F/6W  
Interpretation by: C.W.R., G.A.H.  
Scale: 1 : 2500

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FIG 4

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FILTERED PROFILES

TOPOGRAPHY

| filter | 6+00 W | 5+50 W | 5+00 W | 4+50 W | 4+00 W | 3+50 W | 3+00 W | 2+50 W | 2+00 W | 1+50 W | 1+00 W | 0+50 W | 0+00 | 0+50 E | 1+00 E | filter |      |      |      |      |      |      |      |      |      |      |      |      |      |     |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| n=1    | 1714   | 1812   | 2054   | 1758   | 2542   | 1978   | 1238   | 1391   | 1549   | 1651   | 1778   | 1801   | 2178 | 1898   | 3947   | 3080   | 4087 | 1814 | 2770 | 3888 | 3050 | 1735 | 1997 | 1477 | 1688 | 8191 | 4188 | 4771 | 3532 | n=1 |
| n=2    | 2855   | 2582   | 1857   | 2815   | 1787   | 1884   | 1357   | 1519   | 1979   | 1594   | 3070   | 2168   | 2258 | 2729   | 8288   | 4119   | 2244 | 3111 | 4425 | 4004 | 2277 | 2848 | 1888 | 1707 | 2285 | 2818 | 3481 | 4380 | 2773 | n=2 |
| n=3    | 2748   | 2825   | 3078   | 1855   | 1788   | 1487   | 1758   | 2201   | 1828   | 2881   | 2852   | 2524   | 2730 | 2525   | 4081   | 2208   | 3128 | 4874 | 5281 | 3007 | 2838 | 2047 | 1878 | 2130 | 1854 | 2821 | 3118 | 3181 | 2700 | n=3 |
| n=4    | 2284   | 3887   | 2085   | 2000   | 1771   | 1888   | 2427   | 2812   | 2802   | 4358   | 3581   | 3788   | 6887 | 3142   | 2170   | 2858   | 4552 | 5538 | 3888 | 3645 | 2454 | 1888 | 2288 | 1788 | 2181 | 2744 | 2458 | 2808 | 3807 | n=4 |

RESISTIVITY (ohm-m)

Resistivity ----- \*  
 IP ----- \*\*  
 Metal Factor ----- \*\*\*

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10, ...

Instrument: IP6, 2.5 kva  
 Operators: C.R., T.B.

| filter | 6+00 W | 5+50 W | 5+00 W | 4+50 W | 4+00 W | 3+50 W | 3+00 W | 2+50 W | 2+00 W | 1+50 W | 1+00 W | 0+50 W | 0+00 | 0+50 E | 1+00 E | filter |     |     |    |    |    |    |    |    |     |     |     |     |     |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|-----|-----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
| n=1    | 6.6    | 10     | 18     | 21     | 28     | 38     | 32     | 34     | 28     | 27     | 18     | 28     | 25   | 28     | 22     | 17     | 9.8 | 8.8 | 9  | 14 | 17 | 19 | 24 | 11 | 8.8 | 8.8 | 8.2 | 7.2 | n=1 |
| n=2    | 12     | 18     | 18     | 20     | 32     | 30     | 37     | 38     | 28     | 28     | 24     | 28     | 28   | 28     | 17     | 15     | 11  | 8.7 | 19 | 18 | 19 | 28 | 19 | 17 | 11  | 10  | 8.9 | 18  | n=2 |
| n=3    | 18     | 19     | 17     | 24     | 27     | 35     | 35     | 28     | 24     | 25     | 38     | 17     | 30   | 27     | 19     | 17     | 18  | 14  | 18 | 19 | 21 | 21 | 21 | 17 | 19  | 12  | 15  | 18  | n=3 |
| n=4    | 19     | 18     | 20     | 22     | 31     | 38     | 28     | 21     | 24     | 17     | 17     | 12     | 12   | 12     | 21     | 19     | 17  | 18  | 18 | 20 | 20 | 21 | 19 | 18 | 14  | 18  | 17  | 17  | n=4 |

CHARGEABILITY (MSEC)

INTERPRETATION

Strong increase in polarization accompanied by marked decrease in resistivity.  
 Well defined increase in polarization without marked resistivity decrease.  
 Poorly defined polarization increase with no resistivity signature.  
 Low resistivity feature.

INTERPRETATION

| filter | 6+00 W | 5+50 W | 5+00 W | 4+50 W | 4+00 W | 3+50 W | 3+00 W | 2+50 W | 2+00 W | 1+50 W | 1+00 W | 0+50 W | 0+00 | 0+50 E | 1+00 E | filter |    |    |    |    |    |    |     |     |     |    |    |    |    |     |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|----|----|----|----|----|----|-----|-----|-----|----|----|----|----|-----|
| n=1    | .4     | .8     | .8     | 1.2    | 1.1    | 2.8    | 2.8    | 2.9    | 2.2    | 1.8    | 1.8    | .9     | 1.1  | 1.8    | .7     | .7     | .4 | .5 | .8 | .2 | .5 | 1  | .9  | 1.8 | .7  | .8 | .2 | .2 | .2 | n=1 |
| n=2    | .5     | .8     | 1      | 1.2    | 1.8    | 2.2    | 2.7    | 2.4    | 1.4    | 1.8    | .8     | 1.2    | 1.2  | 1.2    | .7     | .4     | .7 | .5 | .4 | .2 | .8 | .8 | 1.2 | 1.1 | .8  | .5 | .8 | .2 | .5 | n=2 |
| n=3    | .8     | .8     | .8     | 1.2    | 1.5    | 2.4    | 2      | 1.2    | 1.8    | 1.1    | 1.2    | 1.5    | 1.1  | 1.1    | .5     | .8     | .8 | .8 | .8 | .8 | .8 | .7 | 1   | 1.1 | 1   | .8 | .4 | .4 | .8 | n=3 |
| n=4    | .8     | .5     | 1      | 1.1    | 1.8    | 1.7    | 1.1    | .9     | .8     | .4     | 0      | .1     | 1.2  | .7     | .9     | .8     | .8 | .8 | .4 | .5 | .8 | .8 | 1   | .8  | 1.1 | .8 | .5 | .8 | .8 | n=4 |

METAL FACTOR (tp/res \* 100)

NORAMCO MINING CORPORATION  
 INDUCED POLARIZATION SURVEY  
 KENA PROJECT - SOUTH GRID  
 NELSON, B.C.

Date: 90/11/14 NTS Ref: 82 F/6W  
 Interpretation by: C.W.R., G.A.H.  
 Scale: 1 : 2500

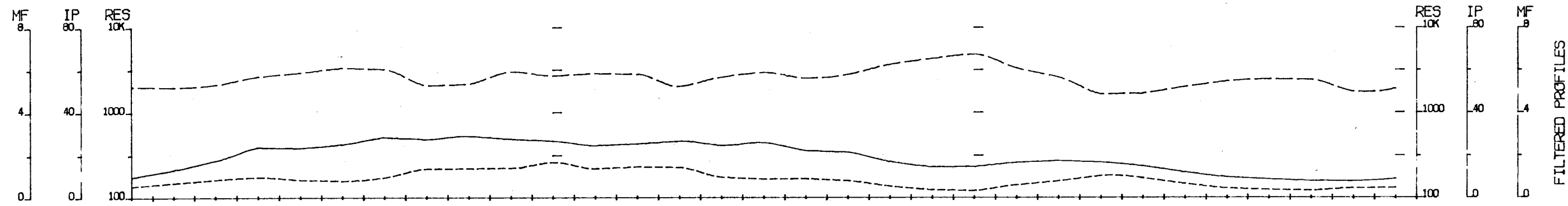
DELTA GEOSCIENCE LTD

FIG 3

Part 3 of 3

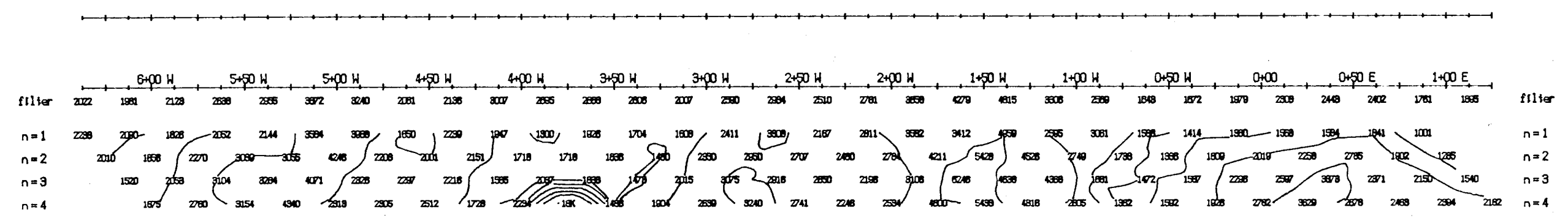
GEOLOGICAL BRANCH  
ASSESSMENT REPORT

20,634

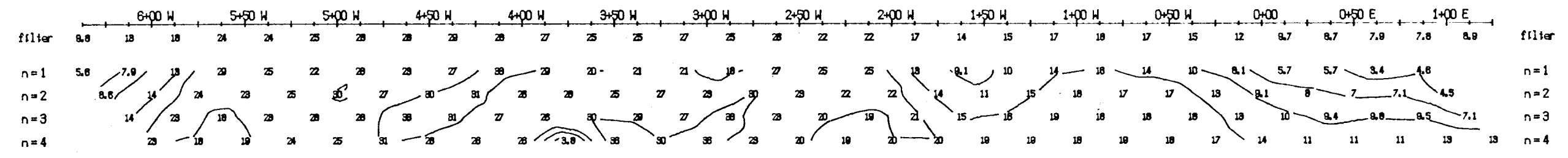


FILTERED PROFILES

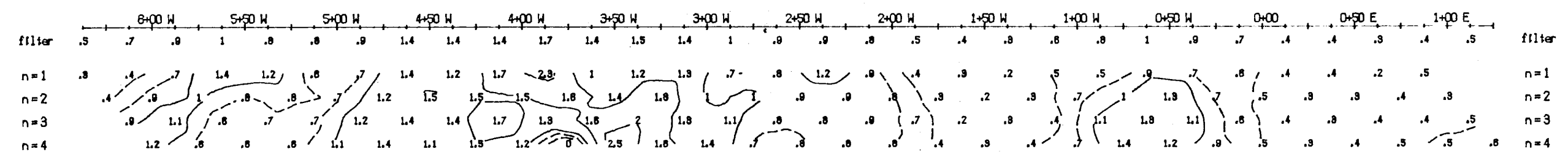
TOPOGRAPHY



RESISTIVITY  
(ohm-m)

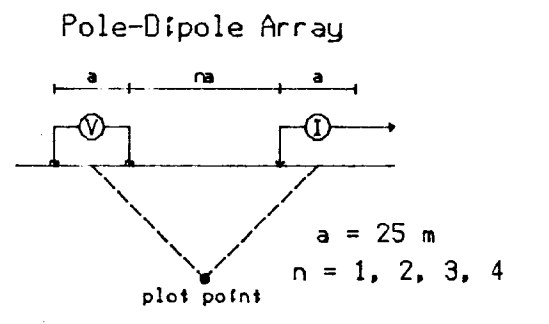


CHARGEABILITY  
(MSEC)



METAL FACTOR  
((p/res \* 100))

Line 8700 N



Filtered Profiles

Resistivity ----- filter \*  
 IP ----- \*\*  
 Metal Factor ----- \*\*\*  
 Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10....

Instrument: IP6, 2.5 kva  
 Operators: C.R., T.B.

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

NORAMCO MINING CORPORATION

INDUCED POLARIZATION SURVEY  
 KENA PROJECT - SOUTH GRID  
 NELSON, B.C.

Date: 90/11/14 NTS Ref: 82 F/6W  
 Interpretation by: C.W.R., G.A.H.  
 Scale: 1 : 2500

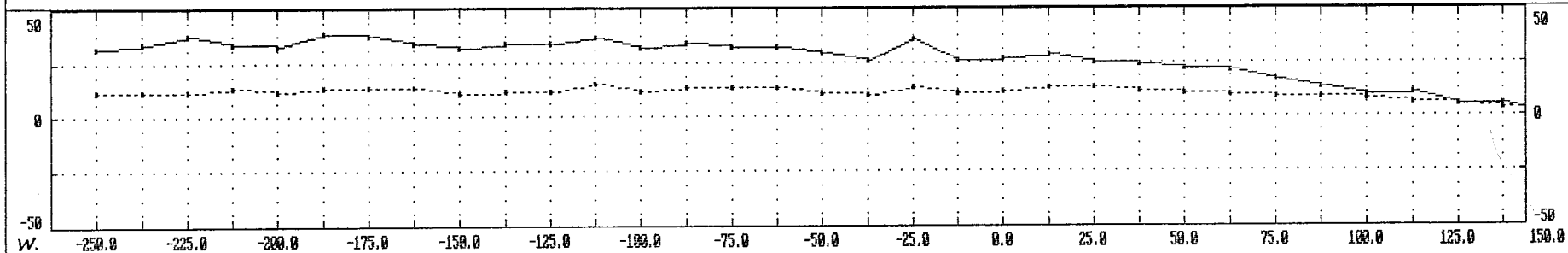
DELTA GEOSCIENCE LTD



# KENA COPPER GRID ULF DATA.

LINE 8600N. 21.4khz.

|       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| QZ    | 12.0 | 12.0 | 12.0 | 13.0 | 12.0 | 13.0 | 13.0 | 13.0 | 11.0 | 12.0 | 12.0 | 15.0 | 12.0 | 13.0 | 13.0 | 13.0 | 11.0 | 10.0 | 13.0 | 11.0 | 12.0 | 13.0 | 13.0 | 12.0 | 11.0 | 10.0 | 9.0  | 9.0  | 8.0  | 6.0  | 5.0  | 4.0  | 3.0 |
| Iz    | 32.0 | 34.0 | 37.0 | 34.0 | 33.0 | 38.0 | 37.0 | 34.0 | 32.0 | 34.0 | 34.0 | 36.0 | 32.0 | 34.0 | 32.0 | 32.0 | 29.0 | 26.0 | 35.0 | 26.0 | 27.0 | 28.0 | 25.0 | 24.0 | 22.0 | 21.0 | 17.0 | 13.0 | 10.0 | 11.0 | 5.0  | 5.0  | 0.0 |
| FRELT |      | -5.0 | 4.0  | 0.0  | -8.0 | 0.0  | 9.0  | 5.0  | -2.0 | -4.0 | 0.0  | 4.0  | 2.0  | 2.0  | 5.0  | 9.0  | 0.0  | -6.0 | 0.0  | 6.0  | 0.0  | 6.0  | 7.0  | 6.0  | 8.0  | 13.0 | 15.0 | 9.0  | 7.0  | 11.0 | 11.0 | 13.0 | 12  |

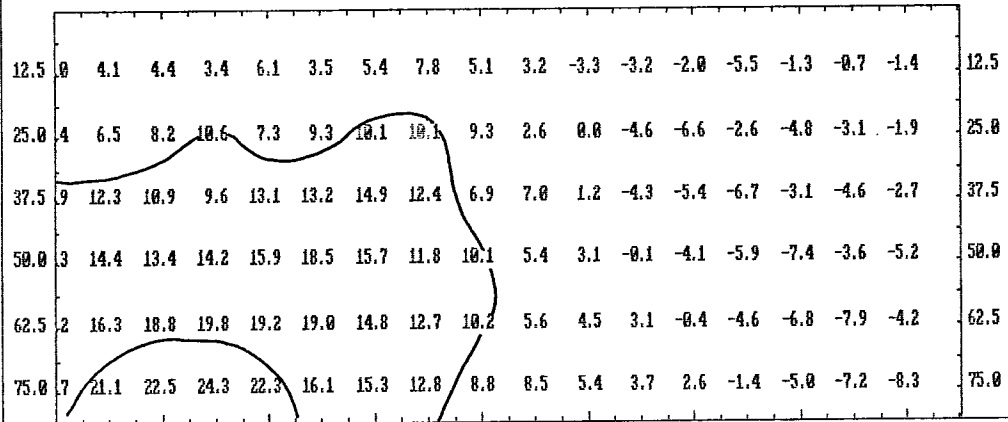
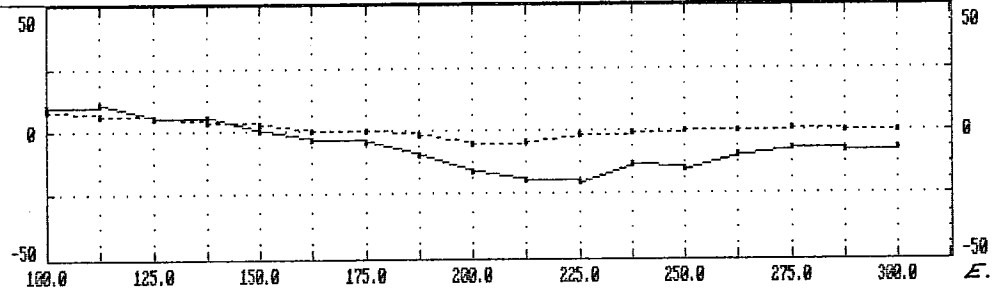


|      |      |      |      |      |      |      |     |      |     |      |      |     |     |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|-----|------|-----|------|------|-----|-----|-----|-----|------|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 12.5 | -1.7 | -2.7 | -0.7 | 2.0  | -2.2 | -1.7 | 2.2 | 2.5  | 0.0 | -0.5 | -1.1 | 1.1 | 1.2 | 0.3 | 2.0 | 0.9  | 4.4  | -3.2 | 0.3 | 5.0  | -1.5 | 2.3  | 2.5  | 2.3  | 2.7  | 3.7  | 5.1  | 5.1  | 2.0  | 4.1  | 4.4  | 3.4  | 12.5 |
| 25.0 | -2.8 | -1.4 | 0.0  | -2.1 | -0.2 | -0.6 | 0.4 | 2.4  | 2.1 | -1.2 | 0.1  | 1.1 | 1.1 | 2.6 | 2.3 | 4.5  | -1.1 | 4.2  | 1.7 | -0.3 | 6.7  | 2.8  | 3.7  | 4.7  | 6.5  | 7.3  | 8.3  | 7.7  | 8.4  | 6.5  | 8.2  | 10.6 | 25.0 |
| 37.5 | 0.5  | 0.0  | -4.0 | -2.2 | 0.4  | 3.4  | 0.2 | -0.3 | 1.3 | 2.4  | 0.6  | 0.3 | 1.6 | 3.1 | 6.7 | -0.5 | 5.3  | 3.6  | 3.8 | 3.9  | 2.8  | 8.9  | 4.6  | 8.0  | 10.2 | 10.5 | 9.4  | 12.9 | 11.9 | 12.3 | 10.9 | 9.6  | 37.5 |
| 50.0 | 2.1  | -1.7 | -1.0 | -0.9 | 1.0  | 1.4  | 2.0 | 0.0  | 1.2 | 2.3  | 3.4  | 1.3 | 2.3 | 5.2 | 0.0 | 7.2  | 4.6  | 5.4  | 6.2 | 6.1  | 5.9  | 5.2  | 12.4 | 10.4 | 12.7 | 13.2 | 14.2 | 13.1 | 14.3 | 14.4 | 13.4 | 14.2 | 50.0 |
| 62.5 | 0.6  | 0.6  | 1.5  | 0.9  | -0.3 | 0.3  | 0.0 | 4.0  | 1.0 | 1.9  | 4.7  | 6.0 | 5.9 | 0.0 | 5.0 | 5.7  | 6.3  | 6.5  | 8.1 | 8.0  | 9.4  | 10.3 | 10.8 | 17.1 | 11.1 | 14.9 | 14.9 | 15.3 | 16.2 | 16.3 | 18.8 | 19.8 | 62.5 |
| 75.0 | 1.8  | 3.6  | 3.6  | 1.5  | 0.7  | -1.4 | 2.4 | 1.9  | 5.1 | 3.0  | 5.0  | 9.3 | 3.9 | 6.9 | 5.2 | 5.9  | 7.4  | 9.3  | 8.6 | 11.0 | 12.3 | 13.3 | 13.3 | 10.6 | 18.5 | 12.9 | 16.1 | 18.8 | 17.7 | 21.1 | 22.5 | 24.3 | 75.0 |

# KENA COPPER GRID ULF DATA.

LINE 0600N. 21.4kHz.

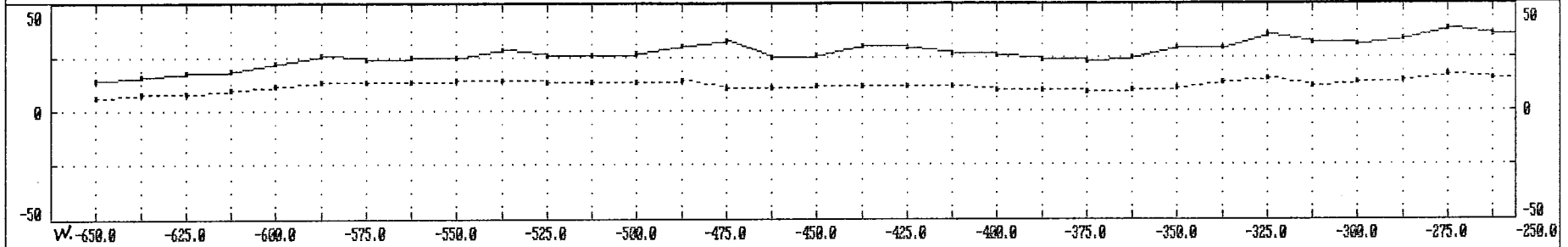
Q% 8.0 6.0 5.0 4.0 3.0 0.0 0.0 -2.0 -5.0 -4.0 -2.0 -1.0 0.0 0.0 1.0 0.0 0.0  
 I% 10.0 11.0 5.0 5.0 0.0 -3.0 -4.0 -10.0 -16.0 -19.0 -20.0 -13.0 -15.0 -10.0 -7.0 -8.0 -7.0  
 FREQ 7.0 11.0 11.0 13.0 12.0 11.0 19.0 21.0 13.0 -2.0 -11.0 -8.0 -11.0 -10.0 -2.0



# KENA COPPER GRID ULF DATA.

LINE 0700N. 21.4kHz.

|       |      |      |      |       |      |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |       |       |      |      |      |      |      |      |      |      |
|-------|------|------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|-------|-------|------|------|------|------|------|------|------|------|
| Q%    | 6.0  | 8.0  | 8.0  | 10.0  | 12.0 | 13.0 | 13.0 | 13.0 | 14.0 | 14.0 | 13.0 | 13.0 | 13.0  | 14.0 | 11.0 | 11.0 | 12.0 | 12.0 | 12.0 | 12.0 | 10.0 | 10.0 | 9.0  | 10.0  | 11.0  | 13.0 | 15.0 | 12.0 | 13.0 | 14.0 | 17.0 | 15.0 | 14.0 |
| I%    | 14.0 | 16.0 | 18.0 | 19.0  | 22.0 | 26.0 | 24.0 | 25.0 | 25.0 | 28.0 | 26.0 | 26.0 | 27.0  | 30.0 | 33.0 | 25.0 | 26.0 | 30.0 | 29.0 | 27.0 | 26.0 | 24.0 | 23.0 | 25.0  | 29.0  | 29.0 | 35.0 | 32.0 | 31.0 | 34.0 | 38.0 | 35.0 | 34.0 |
| FRELT |      | -7.0 | -7.0 | -11.0 | -9.0 | -1.0 | 0.0  | -4.0 | -4.0 | 1.0  | 1.0  | -5.0 | -10.0 | -1.0 | 12.0 | 2.0  | -8.0 | 0.0  | 6.0  | 6.0  | 6.0  | 2.0  | -7.0 | -10.0 | -10.0 | -9.0 | 1.0  | 2.0  | -9.0 | -8.0 | 3.0  | 1.0  | -2.0 |

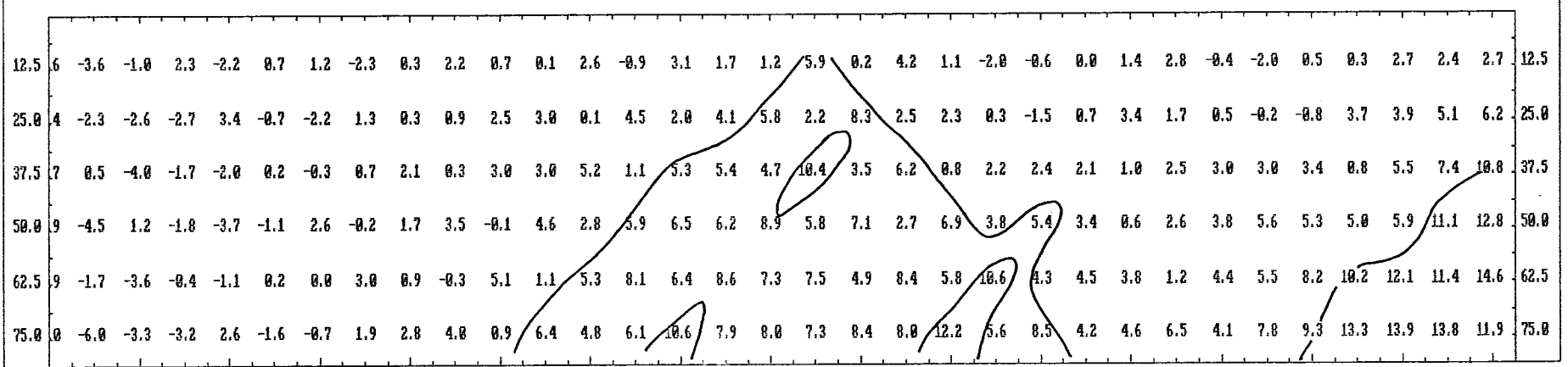
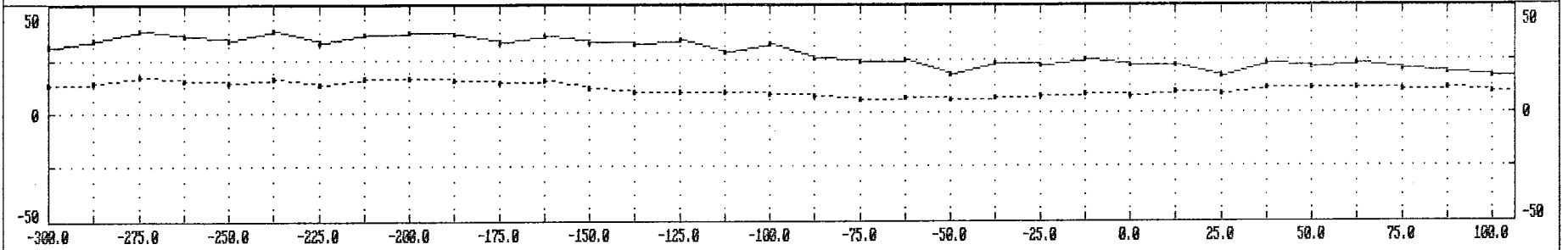


|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 12.5 | -2.2 | -2.7 | -2.6 | -2.7 | -4.5 | -1.5 | -0.2 | -0.9 | -1.6 | -0.8 | 0.7  | -1.3 | -1.5 | -3.4 | 2.3  | 3.7  | -2.7 | -0.9 | 1.0  | 1.6  | 1.8  | 1.6  | -0.6 | -4.0 | -2.4 | -3.8 | -2.5 | 1.6  | -1.6 | -3.6 | -1.0 | 2.3  |
| 25.0 | -2.3 | -3.8 | -4.6 | -6.1 | -3.9 | -4.1 | -2.5 | -2.1 | -2.4 | -0.9 | -1.0 | -1.5 | -4.4 | 0.5  | 0.6  | 0.5  | 2.5  | -1.4 | -0.8 | 3.5  | 3.3  | 0.3  | -1.8 | -2.9 | -7.4 | -4.2 | -1.1 | -3.6 | -2.4 | -2.3 | -2.6 | -2.7 |
| 37.5 | -1.7 | -4.3 | -7.6 | -5.5 | -5.4 | -4.7 | -5.2 | -2.6 | -0.9 | -2.9 | -3.7 | -5.1 | 1.5  | 0.0  | -2.1 | -1.9 | 1.1  | 2.8  | 0.3  | 1.1  | 2.1  | -0.7 | -1.3 | -4.9 | -5.3 | -4.7 | -5.2 | -5.0 | -3.7 | 0.5  | -4.0 | -1.7 |
| 50.0 | -1.9 | -5.4 | -5.8 | -6.6 | -5.7 | -6.6 | -4.1 | -3.9 | -2.9 | -2.3 | -5.3 | -0.8 | -1.9 | -2.6 | -3.5 | -1.9 | -0.1 | 2.6  | 4.7  | -0.7 | -2.4 | -0.2 | -3.8 | -3.2 | -3.4 | -5.7 | -8.2 | -6.1 | -2.9 | -4.5 | 1.2  | -1.8 |
| 62.5 | -2.5 | -2.6 | -4.6 | -5.4 | -7.8 | -6.1 | -4.8 | -4.0 | -5.5 | -6.1 | 0.3  | -2.4 | -4.2 | -3.6 | -1.3 | -2.3 | -0.2 | 1.0  | 1.2  | 1.5  | -2.6 | -5.8 | -1.8 | -1.5 | -4.6 | -6.8 | -6.1 | -6.5 | -6.9 | -1.7 | -3.6 | -0.4 |
| 75.0 | -0.3 | -1.6 | -2.5 | -5.5 | -5.3 | -6.4 | -6.5 | -7.3 | -8.6 | -3.4 | -2.3 | -2.6 | -3.6 | -1.9 | -1.2 | 0.8  | 0.3  | -1.4 | -2.6 | -0.9 | -2.1 | -5.0 | -3.5 | -2.3 | -5.5 | -4.4 | -5.2 | -7.1 | -5.0 | -6.0 | -3.3 | -3.2 |

# KENA COPPER GRID ULF DATA.

LINE 0700N. 21.4kHz.

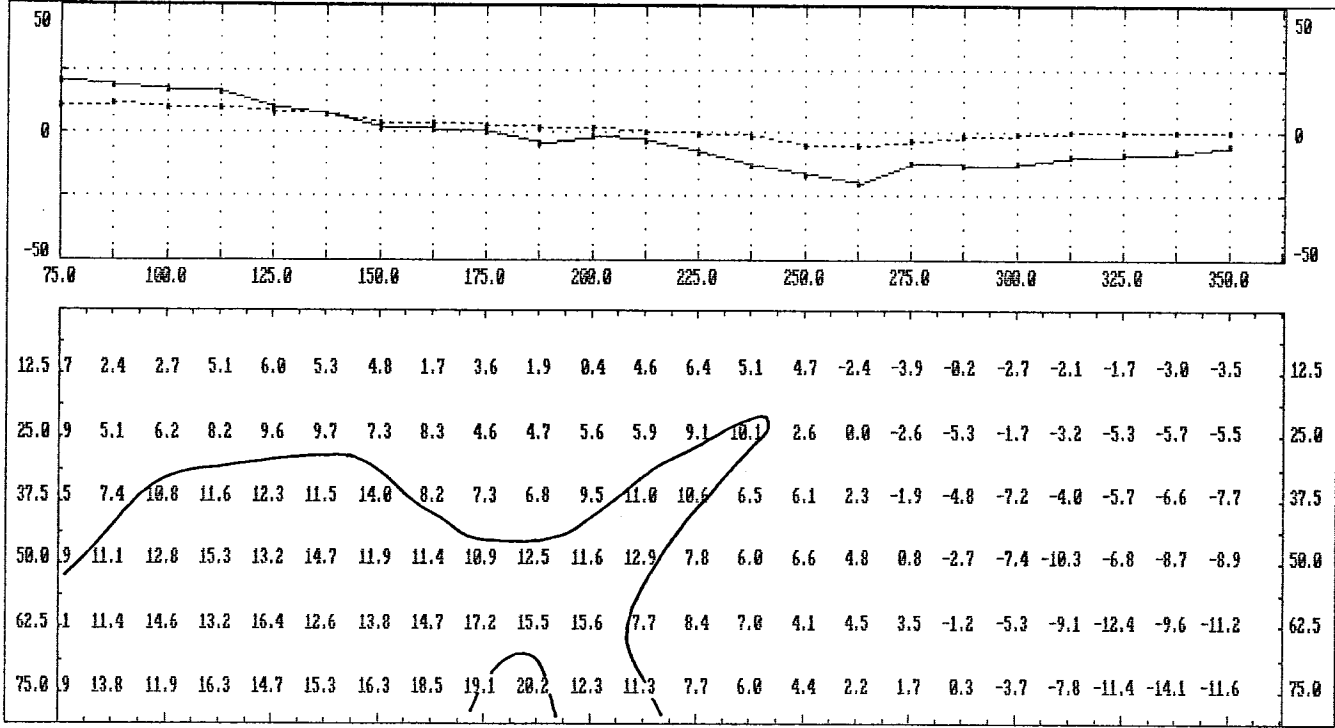
|       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Q%    | 13.0 | 14.0 | 17.0 | 15.0 | 14.0 | 16.0 | 13.0 | 16.0 | 16.0 | 15.0 | 14.0 | 15.0 | 12.0 | 10.0 | 10.0 | 10.0 | 9.0  | 8.0  | 6.0  | 7.0  | 6.0  | 7.0  | 8.0  | 9.0  | 8.0  | 10.0 | 9.0  | 12.0 | 12.0 | 12.0 | 11.0 | 12.0 | 10.0 | 10.0 |
| I%    | 31.0 | 34.0 | 38.0 | 35.0 | 34.0 | 38.0 | 33.0 | 36.0 | 37.0 | 36.0 | 33.0 | 35.0 | 33.0 | 32.0 | 34.0 | 28.0 | 32.0 | 26.0 | 24.0 | 25.0 | 18.0 | 23.0 | 22.0 | 25.0 | 22.0 | 22.0 | 17.0 | 23.0 | 21.0 | 23.0 | 20.0 | 19.0 | 17.0 | 16.0 |
| FRELT | -9.0 | -8.0 | 3.0  | 1.0  | -2.0 | 3.0  | -2.0 | -4.0 | 4.0  | 5.0  | 1.0  | 3.0  | 2.0  | 3.0  | 6.0  | 4.0  | 10.0 | 9.0  | 7.0  | 8.0  | -2.0 | -6.0 | -2.0 | 3.0  | 8.0  | 4.0  | -5.0 | -4.0 | 1.0  | 5.0  | 7.0  | 6.0  | 10.0 | 16.0 |



# KENA COPPER GRID ULF DATA.

LINE 0700N. 21.4kHz.

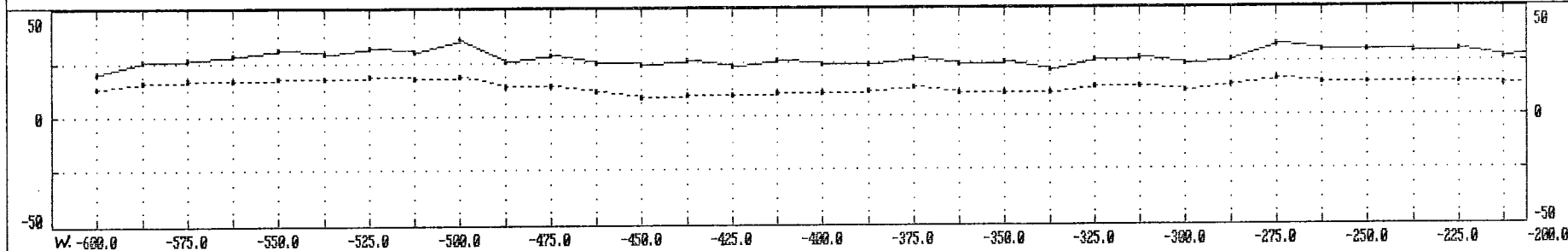
Q% 11.0 12.0 10.0 10.0 8.0 7.0 4.0 4.0 3.0 2.0 2.0 0.0 -1.0 -2.0 -5.0 -5.0 -3.0 -2.0 -1.0 0.0 0.0 0.0 0.0  
 I% 20.0 19.0 17.0 16.0 10.0 7.0 2.0 1.0 0.0 -4.0 -2.0 -3.0 -8.0 -13.0 -17.0 -20.0 -12.0 -13.0 -12.0 -10.0 -9.0 -8.0 -5.0  
 FRFLT 7.0 6.0 10.0 16.0 17.0 14.0 8.0 7.0 7.0 1.0 5.0 16.0 19.0 16.0 2.0 -12.0 -7.0 -3.0 -6.0 -5.0 -6.0



# KENA COPPER GRID ULF DATA.

LINE 8800N. 21.4khz.

|       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|
| QZ    | 13.0 | 16.0 | 17.0 | 17.0 | 18.0 | 18.0 | 19.0 | 18.0 | 19.0 | 14.0 | 14.0 | 12.0 | 9.0  | 10.0 | 10.0 | 11.0 | 11.0 | 12.0 | 13.0 | 11.0 | 11.0 | 11.0 | 13.0 | 13.0 | 12.0 | 14.0  | 17.0 | 15.0 | 15.0 | 15.0 | 15.0 | 14.0 | 14.0 |
| IX    | 20.0 | 26.0 | 27.0 | 28.0 | 31.0 | 29.0 | 32.0 | 30.0 | 35.0 | 26.0 | 28.0 | 25.0 | 24.0 | 26.0 | 23.0 | 26.0 | 24.0 | 24.0 | 27.0 | 24.0 | 25.0 | 21.0 | 26.0 | 27.0 | 24.0 | 26.0  | 33.0 | 30.0 | 30.0 | 29.0 | 30.0 | 27.0 | 29.0 |
| FRELT |      | -9.0 | -6.0 | -5.0 | -2.0 | -2.0 | -4.0 | 1.0  | 11.0 | 8.0  | 5.0  | 3.0  | 0.0  | 1.0  | -1.0 | 1.0  | -1.0 | -3.0 | 2.0  | 5.0  | 2.0  | -7.0 | -4.0 | 3.0  | -8.0 | -13.0 | -1.0 | 4.0  | 1.0  | 2.0  | 3.0  | 0.0  | -1   |

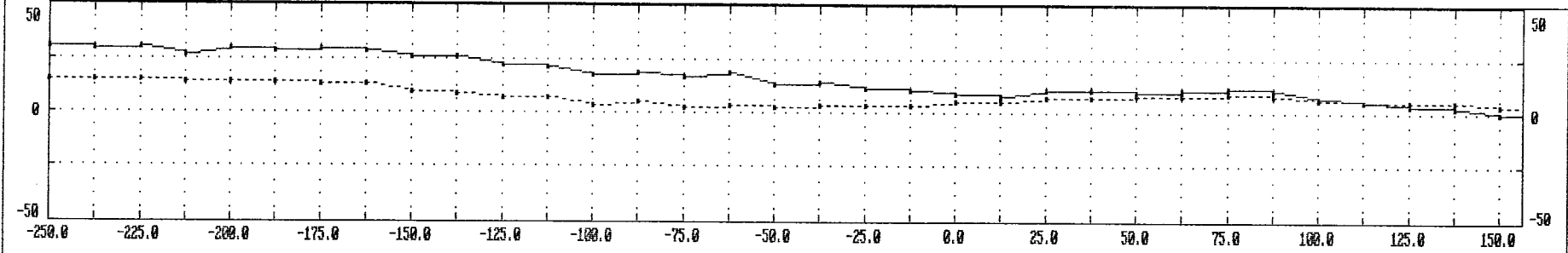


|      |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |      |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|------|
| 12.5 | -5.4 | -4.4 | -1.7 | -3.3 | -0.7 | -1.3 | -0.1 | -1.6 | 2.4 | 4.4 | 0.3 | 3.5 | -0.9 | 1.0  | 0.1  | -1.0 | 1.6  | -2.0 | 0.6  | 0.7  | 1.3  | -0.1 | -3.6 | 0.6  | 0.1  | -5.3 | -2.1 | 1.2  | 0.3  | 0.2  | 1.3  | 0.6 | 12.5 |
| 25.0 | -3.5 | -6.1 | -6.3 | -1.1 | -2.7 | -2.0 | -2.6 | 1.5  | 2.2 | 2.8 | 6.4 | 0.3 | 2.7  | -0.1 | 1.0  | 1.6  | -2.0 | 0.6  | -0.4 | 1.7  | -0.5 | -2.0 | 0.3  | -3.0 | -3.9 | -1.5 | -3.5 | -2.4 | 1.7  | 1.7  | 0.1  | 0.4 | 25.0 |
| 37.5 | -0.8 | -4.9 | -5.3 | -5.6 | -1.3 | -3.6 | 1.1  | 1.3  | 1.2 | 3.7 | 2.0 | 6.6 | 0.4  | 2.4  | 0.2  | -1.2 | 1.4  | -0.8 | 2.4  | -1.3 | -1.5 | 1.3  | -0.9 | -4.8 | -5.1 | -2.6 | -1.3 | -2.9 | -0.6 | 2.6  | 1.2  | 1.4 | 37.5 |
| 50.0 | 0.6  | -1.2 | -4.5 | -6.0 | -6.9 | 1.5  | 0.3  | 2.9  | 4.4 | 1.8 | 4.4 | 0.9 | 5.4  | 0.6  | -0.4 | 0.2  | -1.1 | 2.8  | -1.2 | 0.0  | 1.0  | -1.1 | -3.1 | -3.6 | -2.7 | -4.3 | -2.0 | 0.7  | -2.1 | -0.3 | 3.0  | 1.3 | 50.0 |
| 62.5 | 3.7  | -0.1 | -1.1 | -6.2 | -3.2 | -2.4 | 2.8  | 3.2  | 2.6 | 6.0 | 2.4 | 3.6 | 2.6  | 3.4  | -0.6 | 0.5  | 2.2  | -1.3 | -0.9 | -0.2 | 0.2  | -4.3 | -2.7 | -0.2 | -1.9 | -1.7 | -2.6 | -0.9 | -0.1 | -2.0 | -0.3 | 5.0 | 62.5 |
| 75.0 | 4.3  | 3.7  | -1.5 | 2.0  | -1.8 | -2.4 | 0.5  | 2.2  | 3.7 | 2.5 | 5.4 | 4.3 | 3.4  | 3.7  | 5.8  | 2.5  | 0.1  | -2.3 | -0.7 | -0.2 | -5.5 | -1.4 | -2.0 | -1.6 | 0.0  | -0.6 | -0.1 | -3.0 | -0.4 | 0.6  | -0.2 | 1.5 | 75.0 |

# KENA COPPER GRID ULF DATA.

LINE 8800N. 21.4kHz.

|       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |     |     |     |     |     |     |     |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|
| Q%    | 15.0 | 15.0 | 15.0 | 14.0 | 14.0 | 14.0 | 13.0 | 13.0 | 10.0 | 9.0  | 7.0  | 7.0  | 4.0  | 5.0  | 3.0  | 4.0  | 3.0  | 4.0  | 4.0  | 4.0  | 4.0 | 5.0  | 5.0  | 7.0  | 7.0  | 8.0  | 8.0  | 9.0  | 8.0 | 6.0 | 5.0 | 5.0 | 5.0 | 4.0 | 2.0 |
| I%    | 30.0 | 29.0 | 30.0 | 27.0 | 29.0 | 28.0 | 29.0 | 28.0 | 26.0 | 26.0 | 22.0 | 21.0 | 18.0 | 19.0 | 17.0 | 19.0 | 13.0 | 14.0 | 12.0 | 11.0 | 9.0 | 8.0  | 11.0 | 11.0 | 10.0 | 11.0 | 12.0 | 11.0 | 7.0 | 5.0 | 4.0 | 3.0 | 0.0 | 1.0 |     |
| FRELT | 1.0  | 2.0  | 3.0  | 0.0  | -1.0 | 0.0  | 3.0  | 5.0  | 6.0  | 9.0  | 9.0  | 6.0  | 3.0  | 1.0  | 4.0  | 9.0  | 6.0  | 4.0  | 6.0  | 6.0  | 1.0 | -5.0 | -2.0 | 1.0  | -2.0 | -2.0 | 5.0  | 11.0 | 9.0 | 5.0 | 6.0 | 6.0 | 5.0 | 6   |     |

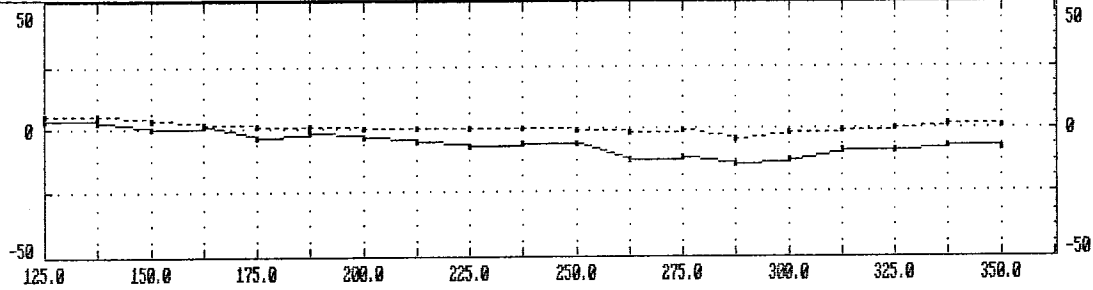


|      |   |      |      |     |      |     |      |     |     |     |     |     |      |      |      |      |     |     |     |     |     |      |      |      |      |      |     |     |     |     |     |      |      |      |
|------|---|------|------|-----|------|-----|------|-----|-----|-----|-----|-----|------|------|------|------|-----|-----|-----|-----|-----|------|------|------|------|------|-----|-----|-----|-----|-----|------|------|------|
| 12.5 | 3 | 0.2  | 1.3  | 0.6 | -0.5 | 0.5 | -0.1 | 2.3 | 1.4 | 3.0 | 3.3 | 2.7 | 1.5  | 1.4  | 0.4  | 2.6  | 3.3 | 0.9 | 2.6 | 1.5 | 1.9 | -0.9 | -1.6 | 0.4  | -0.2 | -0.7 | 0.4 | 3.1 | 3.7 | 2.4 | 1.7 | 3.0  | 1.4  | 12.5 |
| 25.0 | 7 | 1.7  | 0.1  | 0.4 | 1.4  | 0.2 | 2.4  | 1.8 | 4.6 | 4.2 | 5.4 | 4.8 | 3.8  | 2.1  | 3.9  | 4.1  | 3.4 | 4.9 | 2.7 | 3.7 | 0.9 | 0.6  | 0.1  | -0.8 | 0.1  | 0.6  | 2.2 | 3.6 | 5.3 | 5.2 | 4.4 | 3.1  | 5.3  | 25.0 |
| 37.5 | 6 | 2.6  | 1.2  | 1.4 | 0.7  | 2.4 | 0.6  | 5.4 | 4.8 | 7.5 | 5.9 | 6.4 | 4.9  | 5.9  | 4.7  | 4.2  | 5.6 | 5.3 | 7.2 | 2.2 | 3.0 | 2.1  | 1.3  | -0.5 | -0.3 | 3.4  | 4.5 | 4.5 | 5.3 | 7.6 | 6.3 | 6.4  | 5.2  | 37.5 |
| 50.0 | 1 | -0.3 | 3.0  | 1.3 | 3.1  | 2.0 | 5.0  | 4.3 | 6.7 | 6.0 | 7.9 | 6.0 | 8.2  | 7.4  | 6.4  | 6.2  | 6.3 | 7.6 | 5.3 | 6.4 | 3.7 | 3.4  | 1.8  | 1.4  | 2.5  | 3.4  | 5.5 | 6.3 | 6.8 | 7.5 | 9.7 | 8.8  | 6.8  | 50.0 |
| 62.5 | 1 | -2.0 | -0.3 | 5.0 | 3.0  | 5.9 | 5.5  | 7.5 | 4.3 | 7.2 | 5.4 | 9.0 | 8.3  | 9.6  | 9.8  | 8.9  | 8.9 | 6.0 | 6.0 | 6.0 | 6.5 | 2.8  | 4.0  | 5.1  | 5.4  | 4.4  | 5.2 | 8.0 | 7.9 | 9.2 | 9.3 | 9.5  | 9.8  | 62.5 |
| 75.0 | 4 | 0.6  | -0.2 | 1.5 | 6.7  | 6.2 | 7.3  | 6.0 | 7.9 | 4.8 | 9.5 | 8.4 | 10.6 | 10.9 | 10.9 | 11.7 | 8.5 | 7.5 | 6.4 | 6.5 | 5.0 | 6.4  | 5.5  | 7.0  | 7.3  | 7.4  | 7.5 | 6.0 | 9.9 | 8.6 | 8.6 | 10.2 | 11.9 | 75.0 |

# KENA COPPER GRID ULF DATA.

LINE 8800N. 21.4khz.

|        |     |     |     |     |      |      |      |      |      |      |      |       |       |       |       |      |      |      |      |
|--------|-----|-----|-----|-----|------|------|------|------|------|------|------|-------|-------|-------|-------|------|------|------|------|
| Q%     | 5.0 | 5.0 | 4.0 | 2.0 | 1.0  | 1.0  | 0.0  | 0.0  | 0.0  | 0.0  | -1.0 | -2.0  | -1.0  | -4.0  | -2.0  | -1.0 | 0.0  | 2.0  | 1.0  |
| I%     | 4.0 | 3.0 | 0.0 | 1.0 | -3.0 | -2.0 | -3.0 | -5.0 | -7.0 | -6.0 | -6.0 | -12.0 | -11.0 | -14.0 | -12.0 | -9.0 | -9.0 | -7.0 | -8.0 |
| FREFLT | 6.0 | 6.0 | 5.0 | 6.0 | 3.0  | 3.0  | 7.0  | 5.0  | 0.0  | 5.0  | 11.0 | 7.0   | 3.0   | -4.0  | -8.0  | -5.0 | -3.0 |      |      |



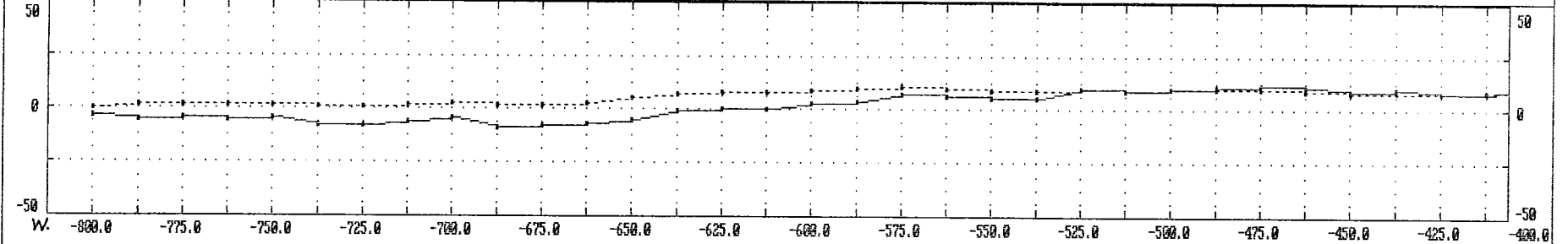
|      |   |      |      |      |     |      |     |      |     |      |     |     |     |      |      |      |      |      |      |      |
|------|---|------|------|------|-----|------|-----|------|-----|------|-----|-----|-----|------|------|------|------|------|------|------|
| 12.5 | 7 | 3.0  | 1.4  | 2.1  | 2.3 | 0.4  | 2.2 | 2.3  | 1.4 | -0.2 | 4.0 | 2.0 | 1.1 | 1.0  | -3.2 | -1.6 | -1.5 | -0.9 | 0.4  | 12.5 |
| 25.0 | 4 | 3.1  | 5.3  | 3.9  | 2.4 | 4.6  | 3.4 | 3.2  | 2.4 | 4.2  | 2.3 | 4.8 | 3.8 | -1.5 | -1.2 | -3.5 | -1.9 | -0.8 | -0.9 | 25.0 |
| 37.5 | 3 | 6.4  | 5.2  | 5.1  | 6.3 | 5.4  | 5.1 | 2.3  | 6.1 | 5.1  | 5.0 | 3.3 | 2.3 | 2.0  | -2.3 | -1.4 | -3.4 | -2.2 | -0.6 | 37.5 |
| 50.0 | 7 | 8.8  | 6.8  | 6.0  | 6.9 | 5.4  | 4.1 | 8.4  | 5.7 | 8.0  | 6.0 | 3.0 | 2.0 | 1.2  | 1.5  | -1.7 | -1.5 | -3.3 | -2.4 | 50.0 |
| 62.5 | 3 | 9.5  | 9.8  | 8.4  | 6.8 | 6.1  | 8.8 | 7.0  | 9.4 | 6.0  | 5.1 | 4.7 | 2.5 | 1.4  | 1.9  | 1.7  | -1.8 | -1.6 | -3.1 | 62.5 |
| 75.0 | 6 | 10.2 | 11.9 | 11.2 | 8.2 | 10.6 | 9.3 | 10.2 | 7.2 | 6.0  | 4.3 | 3.8 | 3.8 | 2.7  | 1.8  | 2.1  | 1.8  | -1.9 | -1.5 | 75.0 |



# KENA COPPER GRID ULF DATA.

LINE 8900N. 21.4kHz.

|      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|------|------|
| Qz   | 0.0  | 2.0  | 2.0  | 2.0  | 2.0  | 1.0  | 1.0  | 2.0  | 3.0  | 2.0  | 2.0  | 3.0   | 5.0  | 7.0  | 8.0  | 8.0  | 9.0  | 10.0 | 11.0 | 10.0 | 9.0  | 9.0  | 10.0 | 9.0  | 10.0 | 10.0 | 10.0 | 9.0  | 8.0 | 8.0  | 8.0  | 9.0  | 9.0  |
| Iz   | -3.0 | -5.0 | -4.0 | -5.0 | -4.0 | -8.0 | -8.0 | -6.0 | -4.0 | -9.0 | -8.0 | -7.0  | -5.0 | -1.0 | 0.0  | 0.0  | 3.0  | 4.0  | 7.0  | 6.0  | 5.0  | 5.0  | 10.0 | 9.0  | 10.0 | 11.0 | 12.0 | 11.0 | 9.0 | 10.0 | 8.0  | 8.0  | 12.0 |
| FREQ | 1.0  | 0.0  | 3.0  | 7.0  | 2.0  | -6.0 | -1.0 | 7.0  | 2.0  | -5.0 | -9.0 | -11.0 | -6.0 | -4.0 | -7.0 | -8.0 | -6.0 | 0.0  | 3.0  | -4.0 | -9.0 | -4.0 | -2.0 | -4.0 | -2.0 | 3.0  | 4.0  | 2.0  | 3.0 | -2.0 | -7.0 | -3.0 |      |

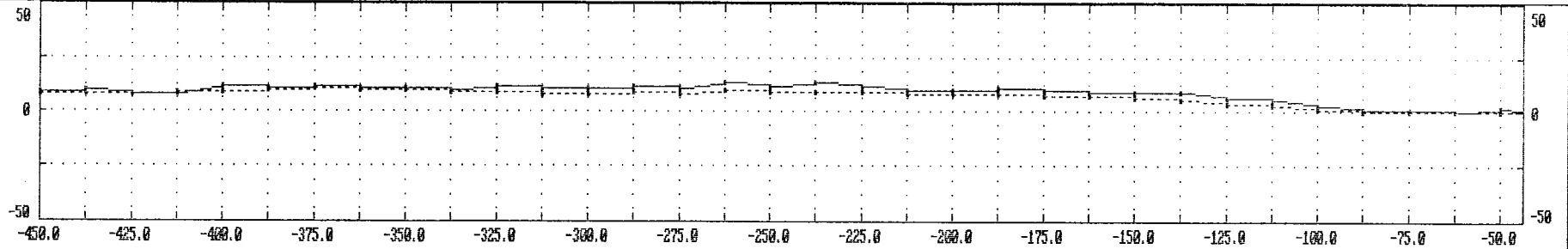


|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 12.5 | 1.6  | 0.5  | 0.5  | 0.3  | 1.5  | 2.2  | -0.7 | -1.9 | 1.6  | 1.9  | -1.7 | -1.6 | -3.0 | -3.5 | -1.2 | -2.6 | -2.5  | -2.4 | -1.5 | 0.5  | 0.2  | -2.9 | -2.5 | -0.4 | -1.6 | -0.9 | -0.2 | 1.8  | 0.6  | 0.4  | 1.3  | -2.5 |
| 25.0 | 0.8  | 1.4  | 0.2  | 2.0  | 2.7  | 0.8  | 0.0  | 0.0  | -0.5 | 0.5  | 0.3  | -5.4 | -5.6 | -4.4 | -4.5 | -3.5 | -5.2  | -4.6 | -2.1 | -1.3 | -2.5 | -2.4 | -3.1 | -3.7 | -1.0 | -1.0 | -0.3 | -0.1 | 2.2  | 1.5  | -1.8 | -0.5 |
| 37.5 | 0.6  | 0.5  | 3.3  | 2.4  | -0.2 | -0.8 | 1.7  | 1.9  | -1.0 | -2.4 | -3.5 | -2.5 | -5.2 | -6.9 | -7.4 | -7.7 | -4.6  | -3.5 | -4.0 | -5.0 | -3.8 | -2.4 | -3.4 | -4.8 | -4.4 | -0.2 | -0.9 | 1.1  | 1.4  | -0.6 | -0.6 | -1.8 |
| 50.0 | -0.0 | 1.3  | 1.7  | 1.2  | -0.6 | 1.3  | 1.1  | 0.1  | -0.1 | -4.3 | -5.2 | -3.9 | -4.7 | -8.2 | -9.0 | -8.0 | -6.1  | -4.0 | -6.1 | -5.4 | -4.7 | -5.3 | -4.4 | -4.2 | -3.3 | -3.5 | 0.2  | -0.3 | -1.6 | -0.5 | -0.3 | -0.6 |
| 62.5 | 0.1  | 0.3  | -0.3 | -0.9 | 2.5  | 1.6  | 0.2  | -0.8 | -3.3 | -3.4 | -5.7 | -7.3 | -6.3 | -6.6 | -8.8 | -7.3 | -6.9  | -9.0 | -6.5 | -6.1 | -7.2 | -6.1 | -4.6 | -2.0 | -3.6 | -3.0 | -3.1 | -2.4 | -2.3 | -2.1 | -1.0 | 0.1  |
| 75.0 | -1.1 | -1.4 | -1.8 | 1.5  | 1.1  | 1.2  | -0.3 | -3.8 | -3.9 | -4.3 | -4.9 | -7.8 | -9.1 | -7.2 | -5.8 | -8.4 | -10.9 | -9.3 | -8.9 | -7.4 | -7.4 | -6.6 | -3.7 | -4.3 | -1.6 | -2.4 | -4.9 | -5.0 | -2.7 | -2.4 | -1.9 | -0.3 |

# KENA COPPER GRID ULF DATA.

LINE 8906N. 21.4kHz.

|      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |      |      |
|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| Q%   | 8.0 | 8.0  | 8.0  | 9.0  | 9.0  | 10.0 | 11.0 | 10.0 | 10.0 | 9.0  | 9.0  | 8.0  | 8.0  | 9.0  | 8.0  | 10.0 | 9.0  | 9.0  | 8.0  | 8.0  | 8.0  | 7.0  | 7.0  | 6.0 | 5.0 | 4.0 | 3.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| I%   | 9.0 | 10.0 | 8.0  | 8.0  | 12.0 | 11.0 | 12.0 | 11.0 | 11.0 | 10.0 | 12.0 | 11.0 | 11.0 | 12.0 | 11.0 | 13.0 | 12.0 | 13.0 | 12.0 | 10.0 | 10.0 | 11.0 | 10.0 | 9.0 | 9.0 | 9.0 | 6.0 | 5.0 | 3.0 | 1.0 | 1.0 | 0.0 | 2.0  | -2.0 |
| FRF% | 2.0 | 3.0  | -2.0 | -7.0 | -3.0 | 0.0  | 1.0  | 2.0  | 0.0  | -2.0 | 0.0  | 0.0  | -1.0 | -1.0 | -2.0 | -1.0 | 0.0  | 3.0  | 5.0  | 1.0  | -1.0 | 2.0  | 3.0  | 1.0 | 3.0 | 7.0 | 7.0 | 7.0 | 6.0 | 3.0 | 0.0 | 1.0 | 10.0 | 13.0 |



|      |   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |      |     |     |     |     |     |     |     |      |      |      |     |     |      |
|------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|------|------|------|-----|-----|------|
| 12.5 | 6 | 0.4  | 1.3  | -2.5 | -1.5 | -0.1 | -0.3 | 0.5  | 0.6  | -0.5 | -0.7 | 0.7  | -0.9 | 0.1  | -0.7 | -0.6 | 0.3  | -0.1 | 1.8 | 1.2 | -0.3 | 0.2 | 1.2 | 0.9 | 0.4 | 2.2 | 2.7 | 2.0 | 2.9  | 1.2  | 1.2  | 0.2 | 1.5 | 12.5 |
| 25.0 | 2 | 1.5  | -1.8 | -0.5 | -2.1 | -1.7 | 0.6  | 0.5  | -0.4 | -0.5 | -0.1 | -1.2 | 0.6  | -0.8 | -0.5 | -0.7 | -0.4 | 1.8  | 1.3 | 1.2 | 1.5  | 1.1 | 1.1 | 2.1 | 3.0 | 2.7 | 3.7 | 5.3 | 4.0  | 3.8  | 1.0  | 2.2 | 4.6 | 25.0 |
| 37.5 | 4 | -0.6 | -0.6 | -1.8 | -0.9 | -1.8 | -1.2 | 0.1  | 0.0  | 0.6  | -0.6 | -0.1 | -2.0 | 0.1  | -1.0 | -0.2 | 1.2  | 1.0  | 1.5 | 1.9 | 3.0  | 2.2 | 1.3 | 2.5 | 4.2 | 5.2 | 6.1 | 5.1 | 5.4  | 2.6  | 4.7  | 5.8 | 5.5 | 37.5 |
| 50.0 | 6 | -0.5 | -0.3 | -0.6 | -1.8 | -0.8 | -2.5 | -1.7 | 0.7  | -0.4 | 1.0  | -0.8 | -0.7 | -1.6 | 0.1  | 0.7  | 1.4  | 1.5  | 1.3 | 3.0 | 2.1  | 2.8 | 4.6 | 3.9 | 4.7 | 6.3 | 5.4 | 5.7 | 4.9  | 7.3  | 8.2  | 7.9 | 4.1 | 50.0 |
| 62.5 | 3 | -2.1 | -1.0 | 0.1  | 0.0  | -1.8 | -1.0 | -2.1 | -2.7 | 0.6  | -1.1 | 0.5  | -0.4 | 0.4  | 0.8  | 1.0  | 0.7  | 0.8  | 2.2 | 2.4 | 3.4  | 4.1 | 5.4 | 5.7 | 5.4 | 5.5 | 7.1 | 5.7 | 7.3  | 9.8  | 10.5 | 5.9 | 5.7 | 62.5 |
| 75.0 | 7 | -2.4 | -1.9 | -0.3 | -0.6 | -0.4 | -1.6 | -1.6 | -1.6 | -2.7 | 0.1  | -0.8 | 0.9  | 1.4  | 1.3  | 0.6  | 2.4  | 2.4  | 1.6 | 2.4 | 3.4  | 4.9 | 5.6 | 7.4 | 7.6 | 6.7 | 5.8 | 8.4 | 10.5 | 10.0 | 7.2  | 8.2 | 6.5 | 75.0 |

Handwritten annotations on the graph area:

- A diagonal line with tick marks and labels: 200, 250, and 200-210.
- A circled '2' near the 200 mark.
- A large handwritten '7' near the 75.0 row.



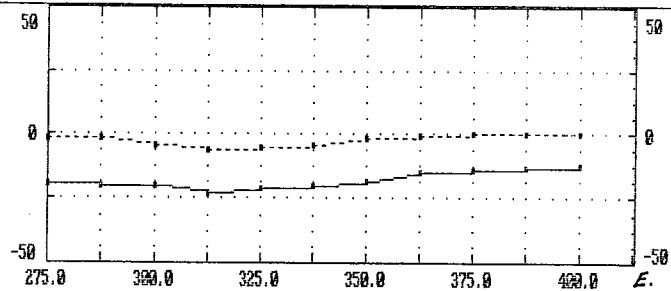
# KENA COPPER GRID ULF DATA.

LINE 8900N. 21.4kHz.

0% -2.0 -2.0 -4.0 -6.0 -5.0 -4.0 -2.0 -1.0 0.0 0.0 0.0

1% -19.0 -20.0 -20.0 -23.0 -21.0 -20.0 -18.0 -15.0 -14.0 -13.0 -12.0

FRELT 4.0 4.0 4.0 -2.0 -6.0 -8.0 -9.0 -6.0 -4.0

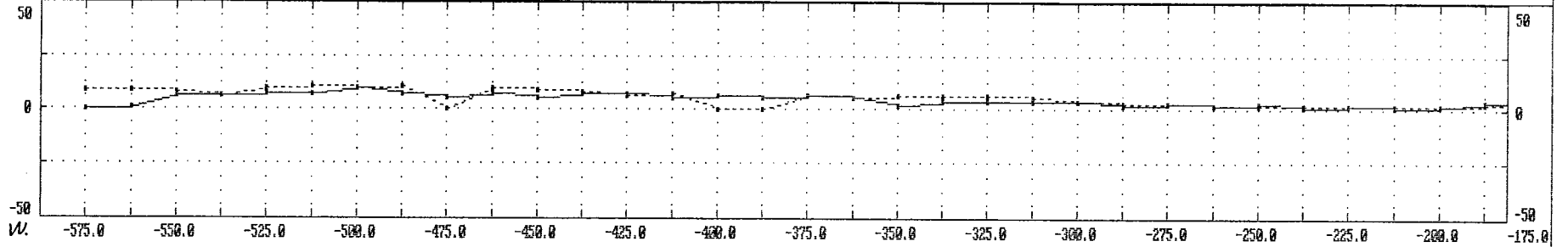


|      |   |      |      |      |      |      |      |      |      |      |      |      |
|------|---|------|------|------|------|------|------|------|------|------|------|------|
| 12.5 | 1 | 0.5  | 1.9  | 0.5  | -2.1 | -1.8 | -3.4 | -2.7 | -1.7 | -1.7 | -1.5 | 12.5 |
| 25.0 | 9 | 3.0  | 0.7  | -0.4 | -1.4 | -4.7 | -4.4 | -4.3 | -3.9 | -3.2 | -3.2 | 25.0 |
| 37.5 | 8 | 1.5  | 1.2  | -1.1 | -3.3 | -4.0 | -6.2 | -5.6 | -5.6 | -5.1 | -4.2 | 37.5 |
| 50.0 | 5 | 1.3  | -0.1 | -1.4 | -3.3 | -4.7 | -5.3 | -7.6 | -7.0 | -7.0 | -6.5 | 50.0 |
| 62.5 | 6 | -0.3 | -1.9 | -2.5 | -2.4 | -4.4 | -5.6 | -6.4 | -9.0 | -8.5 | -8.3 | 62.5 |
| 75.0 | 1 | -1.4 | -2.0 | -3.2 | -3.9 | -3.7 | -5.7 | -6.7 | -7.4 | -9.8 | -9.5 | 75.0 |

# KENA COPPER GRID ULF DATA.

LINE 9000N. 21.4kHz.

|       |     |       |      |      |      |      |      |      |     |      |      |     |     |     |     |     |     |     |      |      |     |     |     |     |     |     |     |     |     |      |      |     |     |
|-------|-----|-------|------|------|------|------|------|------|-----|------|------|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|
| QZ    | 9.0 | 9.0   | 8.0  | 6.0  | 10.0 | 11.0 | 10.0 | 11.0 | 0.0 | 10.0 | 9.0  | 8.0 | 6.0 | 7.0 | 0.0 | 0.0 | 6.0 | 5.0 | 6.0  | 6.0  | 6.0 | 5.0 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0  | 2.0  | 3.0 | 2.0 |
| IX    | 0.0 | 1.0   | 6.0  | 6.0  | 7.0  | 7.0  | 10.0 | 7.0  | 5.0 | 7.0  | 5.0  | 7.0 | 7.0 | 5.0 | 6.0 | 5.0 | 6.0 | 5.0 | 2.0  | 4.0  | 4.0 | 4.0 | 4.0 | 2.0 | 3.0 | 2.0 | 3.0 | 1.0 | 2.0 | 1.0  | 2.0  | 4.0 | 1.0 |
| FRFLT |     | -11.0 | -6.0 | -2.0 | -4.0 | -3.0 | 5.0  | 5.0  | 0.0 | 0.0  | -2.0 | 0.0 | 3.0 | 1.0 | 0.0 | 0.0 | 4.0 | 5.0 | -1.0 | -2.0 | 0.0 | 2.0 | 3.0 | 1.0 | 0.0 | 1.0 | 2.0 | 1.0 | 0.0 | -3.0 | -2.0 | 4.0 | 4   |

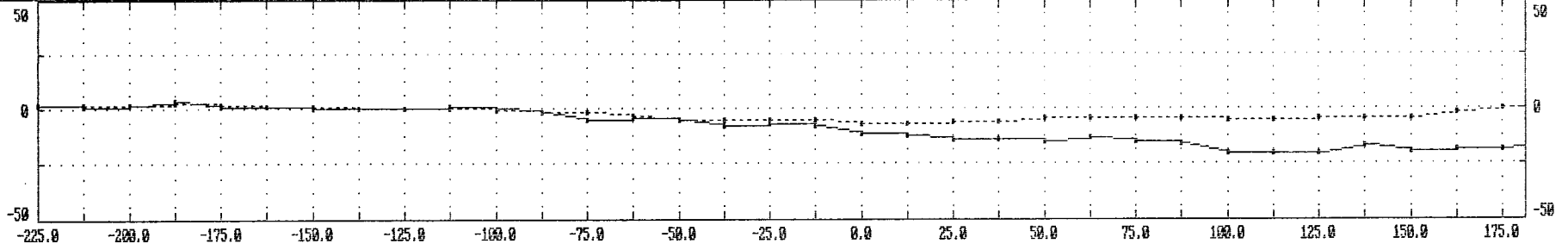


|      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |     |     |      |     |     |      |      |      |      |     |     |     |     |      |      |      |      |     |      |
|------|------|------|------|------|------|------|------|------|------|-----|------|------|------|------|-----|-----|------|-----|-----|------|------|------|------|-----|-----|-----|-----|------|------|------|------|-----|------|
| 12.5 | -1.8 | -3.6 | -3.3 | -1.2 | -0.9 | -1.5 | -0.2 | 3.0  | -0.3 | 0.3 | 0.3  | -1.3 | 1.4  | 0.3  | 0.1 | 0.5 | -0.1 | 2.4 | 0.5 | -1.0 | 0.4  | -0.2 | 1.3  | 0.5 | 0.2 | 0.1 | 0.6 | 0.6  | -0.3 | 0.4  | -1.7 | 0.8 | 12.5 |
| 25.0 | -3.3 | -4.3 | -3.4 | -3.3 | -2.5 | -1.1 | 0.3  | -0.3 | 2.8  | 0.0 | -1.3 | 1.2  | 0.3  | 1.3  | 0.5 | 0.1 | 2.2  | 1.0 | 1.4 | 0.7  | -1.0 | 1.4  | 1.0  | 1.4 | 0.4 | 0.4 | 0.7 | 1.0  | 0.9  | -1.5 | 0.7  | 0.0 | 25.0 |
| 37.5 | -1.2 | -3.1 | -4.7 | -5.2 | -2.9 | 0.9  | -0.4 | 0.7  | -0.7 | 1.4 | 0.8  | -0.5 | 0.9  | -0.4 | 1.6 | 3.3 | 1.0  | 1.0 | 0.9 | 1.3  | 2.1  | -0.3 | 1.0  | 0.8 | 2.1 | 1.7 | 0.9 | 0.6  | -1.1 | 1.4  | 0.4  | 2.0 | 37.5 |
| 50.0 | -0.5 | -1.5 | -4.7 | -4.1 | -1.9 | -2.6 | 1.6  | 0.1  | 0.4  | 1.2 | 1.6  | 0.6  | -1.0 | 0.8  | 1.6 | 1.9 | 2.1  | 0.9 | 1.8 | 1.6  | 1.8  | 2.1  | -0.3 | 2.3 | 1.5 | 1.9 | 1.6 | -0.6 | 2.8  | 1.3  | 2.2  | 1.5 | 50.0 |
| 62.5 | 1.4  | -1.6 | -1.1 | -1.1 | -3.7 | -1.5 | -2.1 | 0.5  | 1.6  | 1.5 | 1.8  | 2.6  | 1.1  | 1.2  | 1.1 | 0.1 | 1.0  | 1.8 | 2.0 | 2.0  | 2.2  | 2.5  | 2.5  | 0.3 | 2.2 | 1.8 | 0.8 | 2.7  | 1.8  | 2.7  | 1.9  | 2.9 | 62.5 |
| 75.0 | 1.7  | 1.8  | 1.6  | -0.8 | -1.0 | -3.3 | -2.4 | -0.6 | 1.4  | 2.1 | 1.9  | 2.4  | 5.3  | 2.0  | 0.7 | 1.5 | 0.3  | 2.2 | 1.0 | 1.5  | 2.1  | 2.7  | 3.2  | 3.0 | 1.1 | 1.3 | 2.6 | 2.8  | 3.2  | 2.5  | 3.4  | 1.8 | 75.0 |

# KENA COPPER GRID ULF DATA.

LINE 9000N, 21.4kHz.

|       |     |      |      |     |     |     |     |      |      |     |      |      |      |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |
|-------|-----|------|------|-----|-----|-----|-----|------|------|-----|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| Q%    | 2.0 | 2.0  | 2.0  | 3.0 | 2.0 | 1.0 | 1.0 | 0.0  | 0.0  | 0.0 | -1.0 | -2.0 | -2.0 | -3.0 | -5.0 | -5.0 | -5.0 | -5.0 | -7.0  | -7.0  | -6.0  | -6.0  | -4.0  | -4.0  | -4.0  | -4.0  | -5.0  | -5.0  | -4.0  | -4.0  | -4.0  | -2.0  | 0.0   | 1.0  |
| I%    | 2.0 | 1.0  | 2.0  | 4.0 | 1.0 | 1.0 | 0.0 | 0.0  | 0.0  | 1.0 | 0.0  | -2.0 | -5.0 | -4.0 | -5.0 | -8.0 | -7.0 | -8.0 | -11.0 | -12.0 | -14.0 | -14.0 | -15.0 | -13.0 | -15.0 | -16.0 | -20.0 | -20.0 | -20.0 | -17.0 | -19.0 | -18.0 | -16.0 |      |
| FRELI | 0.0 | -3.0 | -2.0 | 4.0 | 4.0 | 2.0 | 1.0 | -1.0 | -1.0 | 3.0 | 8.0  | 7.0  | 2.0  | 4.0  | 6.0  | 2.0  | 4.0  | 8.0  | 7.0   | 5.0   | 3.0   | 0.0   | -1.0  | 3.0   | 8.0   | 9.0   | 4.0   | -3.0  | -4.0  | 0.0   | 0.0   | -3.0  | -3.0  | -3.0 |

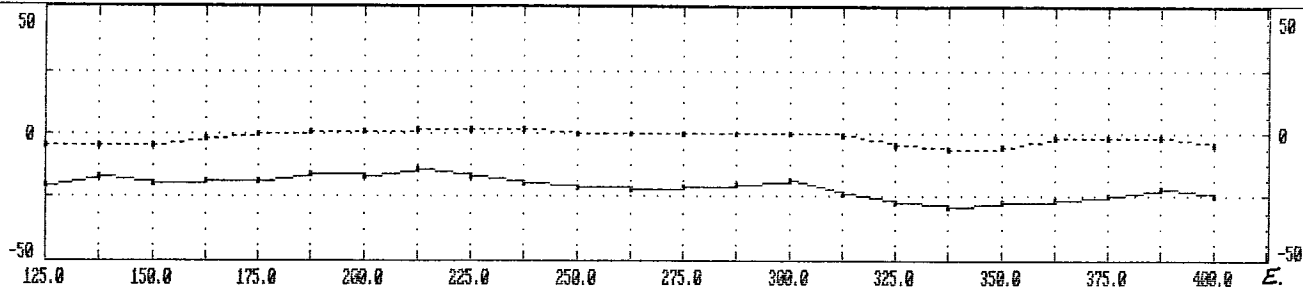


|      |   |      |      |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |      |      |      |      |      |      |
|------|---|------|------|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|------|------|------|------|------|------|
| 12.5 | 3 | 0.4  | -1.7 | 0.0 | 1.7 | 0.5 | 0.8 | 0.1 | -0.3 | 0.4 | 1.8 | 3.0 | 1.7 | 0.4 | 2.7 | 1.5 | 0.5 | 2.9 | 2.4 | 2.1 | 1.4 | 0.9 | -0.2 | 0.5 | 2.0 | 2.9 | 2.4 | 0.3 | -1.4 | -0.6 | 0.3  | -0.8 | -1.3 | 12.5 |
| 25.0 | 9 | -1.5 | 0.7  | 0.0 | 1.3 | 2.5 | 1.2 | 0.2 | 0.4  | 2.1 | 3.3 | 3.3 | 3.5 | 4.1 | 1.9 | 3.2 | 4.4 | 2.8 | 4.4 | 4.3 | 3.3 | 1.3 | 1.4  | 1.6 | 3.3 | 4.4 | 3.0 | 0.5 | -0.5 | -1.0 | -0.7 | 0.1  | -0.8 | 25.0 |
| 37.5 | 1 | 1.4  | 0.4  | 2.0 | 1.0 | 1.8 | 2.3 | 1.3 | 2.2  | 3.4 | 3.1 | 3.9 | 6.2 | 4.9 | 4.8 | 4.0 | 5.2 | 6.4 | 4.9 | 5.8 | 3.4 | 3.0 | 2.9  | 4.2 | 3.7 | 3.5 | 2.6 | 2.7 | 1.7  | -0.5 | -1.5 | -1.2 | -1.0 | 37.5 |
| 50.0 | 0 | 1.3  | 2.2  | 1.5 | 1.8 | 0.9 | 2.2 | 4.3 | 4.6  | 3.9 | 3.9 | 5.0 | 4.8 | 5.9 | 7.5 | 7.3 | 6.3 | 6.4 | 6.4 | 3.6 | 5.4 | 5.5 | 6.0  | 5.1 | 3.9 | 2.7 | 3.5 | 4.1 | 2.9  | 0.9  | -1.3 | -2.7 | -0.7 | 50.0 |
| 62.5 | 8 | 2.7  | 1.9  | 2.9 | 1.2 | 2.2 | 2.9 | 5.3 | 5.4  | 4.5 | 5.9 | 5.4 | 5.7 | 7.5 | 8.2 | 9.0 | 7.5 | 6.5 | 5.9 | 6.4 | 4.9 | 8.1 | 7.9  | 6.5 | 4.4 | 4.6 | 3.5 | 2.4 | 3.1  | 2.8  | 0.6  | 0.0  | 1.1  | 62.5 |
| 75.0 | 2 | 2.5  | 3.4  | 1.8 | 3.2 | 2.8 | 5.2 | 4.1 | 5.2  | 8.2 | 5.9 | 6.4 | 7.5 | 7.8 | 8.7 | 8.8 | 9.2 | 6.6 | 6.4 | 7.7 | 9.7 | 8.4 | 8.5  | 6.5 | 5.6 | 4.9 | 4.1 | 3.4 | 3.0  | 2.3  | 2.7  | 2.8  | 1.8  | 75.0 |

# KENA COPPER GRID ULF DATA.

LINE 9000N. 21.4kHz.

Q% -4.0 -4.0 -4.0 -2.0 0.0 1.0 1.0 2.0 2.0 2.0 0.0 0.0 0.0 0.0 0.0 -1.0 -4.0 -6.0 -5.0 -2.0 -2.0 -2.0 -4.0  
 I% -20.0 -17.0 -19.0 -18.0 -18.0 -16.0 -17.0 -14.0 -17.0 -19.0 -21.0 -22.0 -21.0 -20.0 -18.0 -24.0 -27.0 -29.0 -27.0 -26.0 -25.0 -22.0 -25.0  
 FRELT -4.0 0.0 0.0 -3.0 -3.0 -3.0 -2.0 5.0 9.0 7.0 3.0 -2.0 -5.0 1.0 13.0 14.0 5.0 -3.0 -5.0 -6.0 -4.0

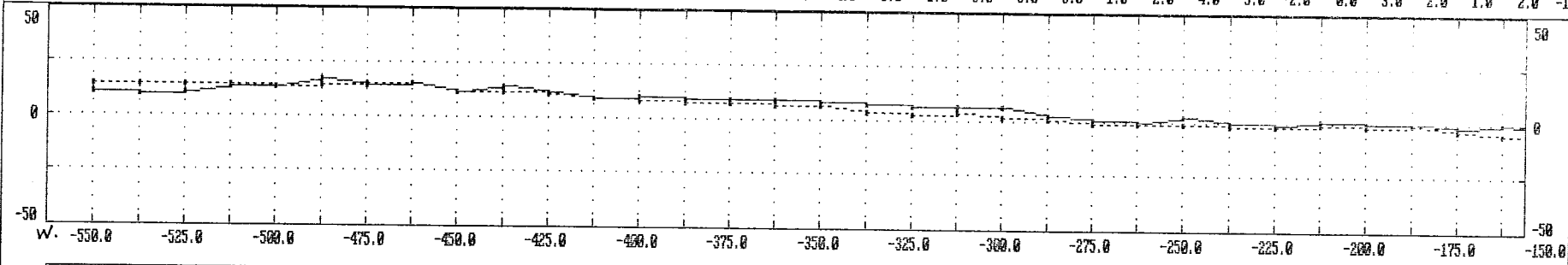


|      |   |      |      |      |      |      |      |     |     |     |     |     |      |      |     |     |     |     |      |      |      |      |      |      |
|------|---|------|------|------|------|------|------|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|------|------|------|------|------|------|
| 12.5 | 4 | -0.6 | 0.3  | -0.8 | -1.3 | -0.5 | -1.0 | 0.1 | 3.2 | 2.2 | 2.1 | 0.0 | -0.4 | -1.2 | 2.6 | 5.1 | 2.9 | 0.6 | -1.8 | -0.9 | -2.5 | -0.1 | 1.8  | 12.5 |
| 25.0 | 5 | -1.0 | -0.7 | 0.1  | -0.8 | -2.2 | -0.6 | 1.8 | 2.0 | 4.9 | 3.1 | 1.3 | -1.3 | 1.8  | 3.8 | 5.1 | 5.2 | 1.3 | -1.1 | -3.4 | -0.2 | 0.1  | 0.4  | 25.0 |
| 37.5 | 7 | -0.5 | -1.5 | -1.2 | -1.0 | -0.9 | 1.3  | 2.2 | 4.3 | 2.6 | 3.8 | 0.4 | 2.6  | 3.4  | 4.4 | 4.1 | 4.4 | 4.7 | -0.6 | -0.9 | -2.0 | -0.2 | 0.0  | 37.5 |
| 50.0 | 9 | 0.9  | -1.3 | -2.7 | -0.7 | 2.4  | 2.5  | 3.3 | 2.3 | 2.1 | 0.6 | 5.7 | 5.8  | 6.2  | 3.6 | 2.5 | 2.7 | 1.9 | 4.7  | 1.9  | 0.1  | -1.1 | -0.1 | 50.0 |
| 62.5 | 1 | 2.8  | 0.6  | 0.0  | 1.1  | 1.3  | 3.1  | 1.5 | 1.9 | 0.7 | 5.5 | 6.5 | 9.1  | 5.9  | 4.2 | 2.4 | 0.6 | 2.4 | 3.5  | 4.9  | 2.1  | 0.6  | -0.1 | 62.5 |
| 75.0 | 0 | 2.3  | 2.7  | 2.8  | 1.8  | 2.0  | 1.8  | 2.8 | 0.4 | 4.5 | 6.1 | 8.3 | 6.6  | 7.7  | 5.4 | 2.5 | 2.6 | 2.2 | 3.0  | 3.9  | 5.2  | 2.2  | 0.9  | 75.0 |

# KENA COPPER GRID VLF DATA.

LINE 9100N. 21.4khz.

|       |      |      |      |      |      |      |      |      |      |      |      |     |      |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|-------|------|------|------|------|------|------|------|------|------|------|------|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| QZ    | 14.0 | 14.0 | 14.0 | 14.0 | 13.0 | 14.0 | 15.0 | 15.0 | 12.0 | 12.0 | 11.0 | 9.0 | 8.0  | 7.0 | 7.0 | 6.0 | 6.0 | 4.0 | 3.0 | 4.0 | 2.0 | 1.0 | -1.0 | -1.0 | -1.0 | -2.0 | -2.0 | -1.0 | -2.0 | -1.0 | -3.0 | -5.0 | -6.0 |
| IZ    | 11.0 | 10.0 | 11.0 | 13.0 | 13.0 | 17.0 | 14.0 | 15.0 | 12.0 | 14.0 | 12.0 | 9.0 | 10.0 | 9.0 | 9.0 | 8.0 | 7.0 | 6.0 | 6.0 | 6.0 | 3.0 | 1.0 | 0.0  | 3.0  | 0.0  | -1.0 | 1.0  | 0.0  | 0.0  | -2.0 | 0.0  | 0.0  | -3.0 |
| FRELT |      | -3.0 | -5.0 | -6.0 | -5.0 | 1.0  | 4.0  | 3.0  | 1.0  | 5.0  | 7.0  | 2.0 | 1.0  | 1.0 | 1.0 | 3.0 | 4.0 | 3.0 | 1.0 | 3.0 | 8.0 | 8.0 | 1.0  | -2.0 | 4.0  | 3.0  | -2.0 | 0.0  | 3.0  | 2.0  | 1.0  | 2.0  | -1   |



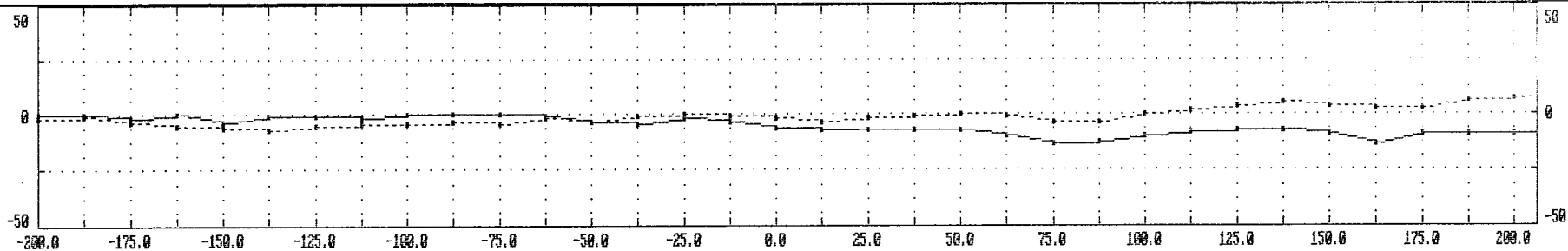
|      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |     |      |      |      |     |     |     |     |
|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|------|------|------|-----|-----|-----|-----|
| 12.5 | 0.3  | -0.1 | -2.2 | -1.0 | -2.6 | -0.5 | 1.0  | 1.0 | 1.3 | 0.1 | 3.3 | 1.1 | 0.3 | 1.0 | 0.1 | 0.9 | 1.3 | 1.3 | 1.1 | 0.5 | 2.1 | 2.8 | 2.1 | -0.6 | 0.1 | 2.4  | -0.7 | -0.1 | 0.5 | 1.3 | 0.0 | 0.6 |
| 25.0 | -0.1 | -1.2 | -1.0 | -4.0 | -1.7 | -0.7 | 0.7  | 1.5 | 1.1 | 3.3 | 1.3 | 3.5 | 2.3 | 0.5 | 1.4 | 2.1 | 2.6 | 2.2 | 1.4 | 2.6 | 3.5 | 3.8 | 2.1 | 2.1  | 1.6 | -0.1 | 2.4  | 0.4  | 0.4 | 0.7 | 2.0 | 0.4 |
| 37.5 | -1.1 | -0.9 | -3.1 | -1.3 | -2.5 | -0.4 | -0.4 | 0.8 | 4.8 | 2.5 | 3.5 | 1.6 | 3.4 | 2.9 | 2.5 | 2.7 | 2.6 | 2.5 | 4.3 | 4.6 | 4.3 | 2.4 | 3.8 | 4.7  | 1.7 | 1.1  | 0.4  | 3.2  | 0.5 | 1.6 | 1.4 | 1.0 |
| 50.0 | -0.7 | -2.8 | -1.3 | -2.2 | -0.2 | -1.9 | -0.1 | 2.7 | 2.1 | 5.1 | 3.5 | 4.1 | 2.6 | 4.1 | 3.8 | 2.0 | 3.0 | 4.3 | 5.4 | 6.1 | 3.7 | 4.9 | 4.6 | 3.4  | 3.7 | 2.1  | 2.2  | 0.5  | 4.1 | 1.5 | 0.8 | 2.5 |
| 62.5 | -2.7 | -1.2 | -1.7 | 0.0  | -1.3 | -0.1 | 1.3  | 1.4 | 3.2 | 2.8 | 5.4 | 4.2 | 4.9 | 3.7 | 5.0 | 3.7 | 3.5 | 5.7 | 5.8 | 4.0 | 6.2 | 5.9 | 4.1 | 4.0  | 4.3 | 5.4  | 2.5  | 3.1  | 1.4 | 3.4 | 2.2 | 0.6 |
| 75.0 | -0.7 | -1.4 | 0.2  | -0.7 | 0.4  | 2.1  | 1.2  | 1.5 | 2.2 | 2.9 | 3.4 | 6.2 | 5.4 | 5.6 | 4.1 | 6.7 | 6.6 | 5.4 | 4.1 | 5.2 | 5.8 | 5.0 | 5.4 | 5.4  | 5.5 | 4.7  | 6.4  | 3.8  | 2.4 | 2.1 | 2.9 | 1.4 |



# KENA COPPER GRID ULF DATA.

LINE 9100N. 21.4khz.

|       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |       |       |       |      |      |      |      |       |      |      |      |      |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|------|------|------|------|-------|------|------|------|------|
| QZ    | -2.0 | -1.0 | -3.0 | -5.0 | -6.0 | -7.0 | -5.0 | -4.0 | -4.0 | -3.0 | -4.0 | -2.0 | -3.0 | -1.0 | 0.0  | -1.0 | -2.0 | -3.0 | -2.0 | -1.0 | 0.0  | -1.0  | -3.0  | -3.0  | 0.0   | 2.0  | 4.0  | 5.0  | 4.0  | 3.0   | 3.0  | 6.0  | 7.0  | 7.0  |
| IX    | 0.0  | 0.0  | -2.0 | 0.0  | -3.0 | -1.0 | -1.0 | -2.0 | 0.0  | 0.0  | 0.0  | -1.0 | -3.0 | -4.0 | -2.0 | -3.0 | -6.0 | -7.0 | -7.0 | -7.0 | -7.0 | -10.0 | -13.0 | -12.0 | -10.0 | -8.0 | -7.0 | -7.0 | -9.0 | -13.0 | -9.0 | -9.0 | -9.0 | -6.0 |
| FRFLT | 3.0  | 2.0  | 1.0  | 2.0  | -1.0 | -1.0 | 0.0  | -3.0 | -2.0 | 1.0  | 4.0  | 6.0  | 2.0  | -2.0 | 3.0  | 8.0  | 5.0  | 1.0  | 0.0  | 3.0  | 9.0  | 8.0   | -1.0  | -7.0  | -7.0  | -4.0 | 1.0  | 8.0  | 6.0  | -4.0  | -4.0 | -3.0 | -4.0 | 3    |

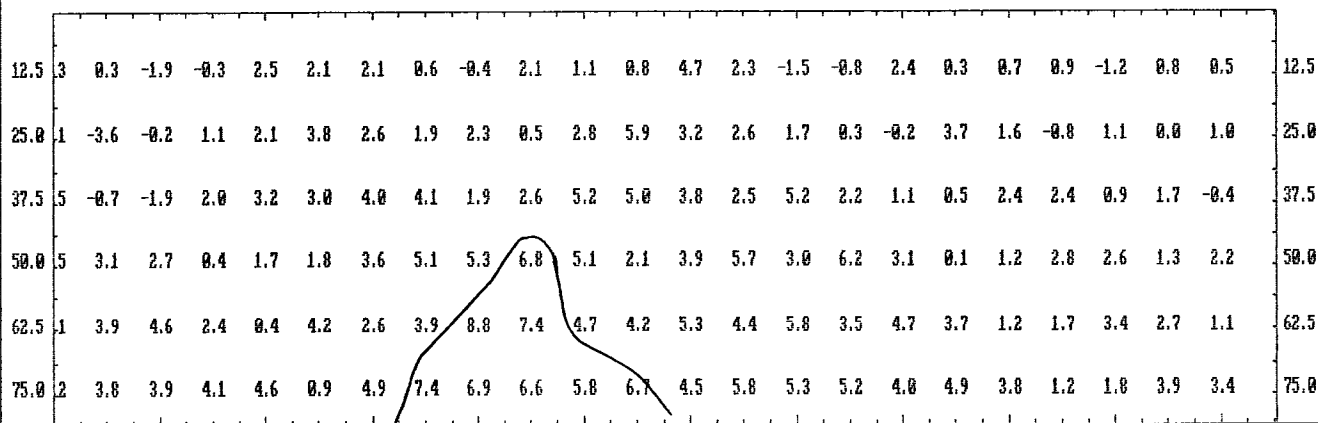
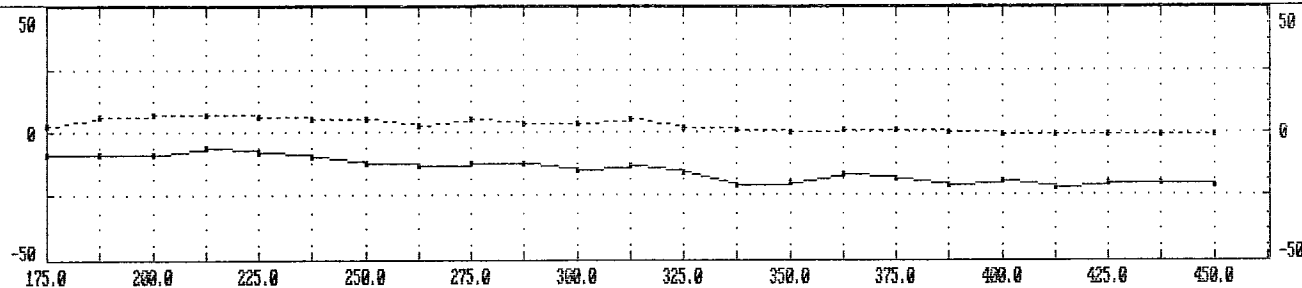


|      |   |     |     |     |      |      |      |      |      |      |     |     |     |      |      |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|------|---|-----|-----|-----|------|------|------|------|------|------|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| 12.5 | 5 | 1.3 | 0.0 | 0.6 | 0.0  | -1.4 | 0.7  | -0.8 | -1.1 | 0.3  | 0.6 | 1.7 | 1.9 | -0.1 | -0.1 | 2.5 | 2.3 | 0.8 | 0.7 | 0.5 | 1.0 | 3.4 | 1.0 | -1.6 | -2.2 | -1.8 | -0.4 | 0.7  | 3.3  | 0.1  | -2.3 | 0.3  | -1.9 | 12.5 |
| 25.0 | 4 | 0.7 | 2.0 | 0.4 | -0.7 | 1.3  | -1.3 | -0.2 | -0.6 | -0.4 | 1.9 | 2.0 | 1.4 | 1.2  | 2.0  | 2.3 | 3.9 | 3.0 | 0.6 | 1.6 | 3.6 | 3.2 | 2.0 | -0.5 | -3.3 | -2.0 | -0.1 | 2.6  | 0.7  | 1.0  | 0.1  | -3.6 | -0.2 | 25.0 |
| 37.5 | 5 | 1.6 | 1.4 | 1.0 | 1.6  | -0.7 | 0.1  | -1.4 | 0.0  | 1.7  | 1.7 | 1.3 | 2.3 | 4.1  | 4.1  | 2.6 | 1.5 | 2.9 | 4.2 | 4.6 | 3.7 | 2.1 | 0.9 | 0.4  | -1.5 | -2.2 | 0.7  | 0.2  | 1.5  | 1.8  | -0.5 | -0.7 | -1.9 | 37.5 |
| 50.0 | 1 | 1.5 | 0.8 | 2.5 | 0.9  | 0.0  | -0.4 | 1.0  | 0.7  | 2.3  | 1.5 | 1.5 | 4.1 | 4.2  | 3.7  | 3.5 | 2.3 | 4.1 | 6.6 | 5.4 | 2.8 | 0.6 | 0.4 | 0.6  | 1.9  | 2.7  | -1.3 | -0.9 | 0.1  | -0.7 | 1.5  | 3.1  | 2.7  | 50.0 |
| 62.5 | 4 | 3.4 | 2.2 | 0.6 | 1.8  | 1.1  | 1.7  | 2.1  | 3.4  | 0.1  | 1.5 | 3.2 | 2.9 | 4.0  | 4.9  | 4.4 | 5.6 | 6.0 | 4.6 | 4.2 | 3.2 | 1.2 | 0.8 | 2.2  | 4.2  | 2.2  | 0.3  | -1.3 | -1.9 | 0.4  | 2.1  | 3.9  | 4.6  | 62.5 |
| 75.0 | 4 | 2.1 | 2.9 | 1.4 | 1.0  | 2.7  | 3.0  | 3.4  | 0.7  | 2.4  | 2.5 | 4.2 | 3.8 | 3.3  | 4.9  | 5.8 | 7.7 | 6.6 | 4.7 | 3.2 | 3.3 | 3.1 | 2.4 | 4.1  | 2.1  | 2.5  | 2.6  | -1.0 | -1.5 | 0.6  | 2.2  | 3.8  | 3.9  | 75.0 |

# KENA COPPER GRID ULF DATA.

LINE 9100N. 21.4khz.

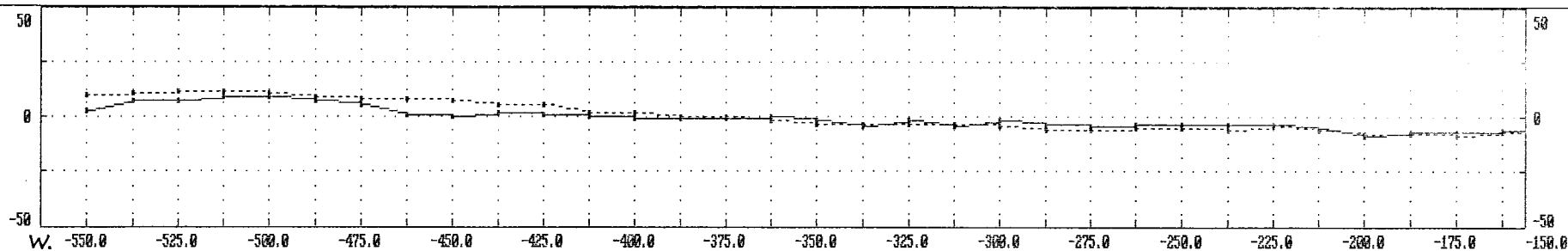
Q% 3.0 6.0 7.0 7.0 6.0 5.0 5.0 3.0 5.0 4.0 4.0 5.0 2.0 1.0 0.0 1.0 1.0 0.0 -1.0 -1.0 -1.0 -1.0  
 I% -9.0 -9.0 -9.0 -6.0 -8.0 -10.0 -12.0 -13.0 -12.0 -12.0 -15.0 -13.0 -16.0 -21.0 -20.0 -17.0 -18.0 -21.0 -19.0 -22.0 -20.0 -21.0  
 FRELT -4.0 -3.0 -4.0 3.0 8.0 7.0 3.0 -1.0 2.0 4.0 2.0 9.0 12.0 0.0 -6.0 2.0 5.0 2.0 2.0 -1.0 -1.0



# KENA COPPER GRID VLF DATA.

LINE 9200N. 21.4kHz.

|       |      |      |      |      |      |      |      |     |      |     |     |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-------|------|------|------|------|------|------|------|-----|------|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| QX    | 10.0 | 11.0 | 12.0 | 12.0 | 11.0 | 9.0  | 8.0  | 8.0 | 7.0  | 5.0 | 5.0 | 2.0 | 2.0  | 0.0  | 0.0  | -2.0 | -3.0 | -3.0 | -3.0 | -3.0 | -4.0 | -6.0 | -6.0 | -5.0 | -5.0 | -6.0 | -4.0 | -6.0 | -8.0 | -8.0 | -9.0 | -7.0 | -7.0 |
| IX    | 3.0  | 7.0  | 7.0  | 9.0  | 9.0  | 7.0  | 5.0  | 1.0 | 0.0  | 2.0 | 1.0 | 0.0 | -1.0 | -1.0 | -1.0 | 0.0  | -2.0 | -4.0 | -2.0 | -4.0 | -2.0 | -3.0 | -4.0 | -3.0 | -3.0 | -3.0 | -3.0 | -5.0 | -9.0 | -7.0 | -7.0 | -6.0 | -6.0 |
| FRELT |      | -6.0 | -4.0 | 0.0  | 6.0  | 10.0 | 11.0 | 4.0 | -2.0 | 1.0 | 4.0 | 3.0 | 1.0  | -1.0 | 0.0  | 5.0  | 4.0  | 0.0  | 0.0  | -1.0 | 1.0  | 2.0  | -1.0 | -1.0 | 0.0  | 2.0  | 8.0  | 8.0  | 0.0  | -3.0 | -2.0 | -3.0 | 1.0  |

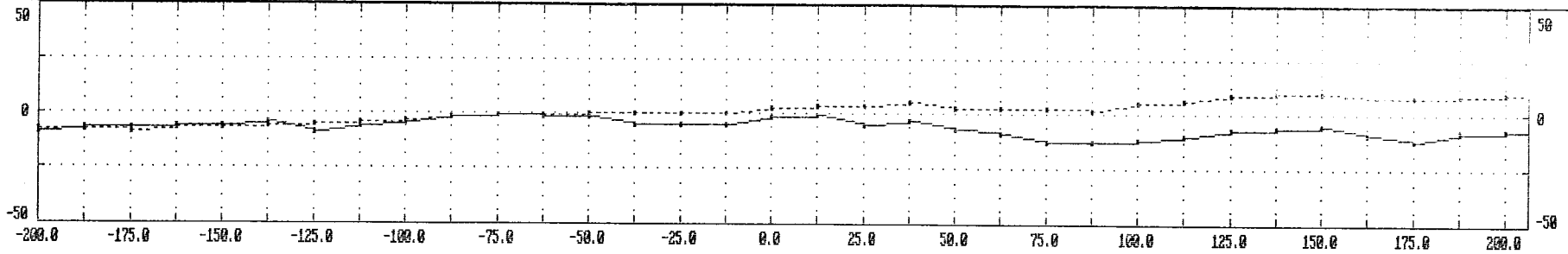


|      |      |      |      |      |     |     |     |     |      |     |     |     |     |     |      |     |     |      |     |      |      |      |      |      |      |     |     |     |     |      |      |      |
|------|------|------|------|------|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|------|-----|-----|------|-----|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|
| 12.5 | -3.7 | -2.4 | -1.4 | -1.3 | 1.6 | 2.5 | 3.5 | 3.3 | -0.1 | 0.0 | 1.3 | 1.0 | 0.6 | 0.3 | -0.2 | 0.5 | 2.5 | -0.1 | 0.3 | 0.3  | -0.8 | 1.3  | -0.2 | -0.5 | 0.3  | 0.4 | 1.2 | 3.5 | 1.2 | -0.9 | -0.5 | -0.4 |
| 25.0 | -1.4 | -3.7 | -2.5 | 0.4  | 1.1 | 4.3 | 5.1 | 3.1 | 2.5  | 1.0 | 1.3 | 2.7 | 1.7 | 0.2 | 0.6  | 2.0 | 1.0 | 2.4  | 0.0 | -0.5 | 1.3  | 0.0  | 1.2  | 0.2  | -0.5 | 1.1 | 3.6 | 2.2 | 2.6 | 0.8  | -1.9 | -1.8 |
| 37.5 | -0.7 | -2.3 | -2.5 | 0.0  | 4.4 | 4.8 | 4.2 | 4.5 | 3.9  | 3.3 | 1.6 | 0.0 | 1.9 | 2.7 | 3.1  | 1.1 | 1.8 | 0.7  | 2.3 | 2.0  | 0.0  | 0.9  | -0.5 | 0.9  | 1.2  | 3.4 | 2.2 | 2.4 | 1.2 | 1.4  | -0.7 | -0.1 |
| 50.0 | 1.0  | 0.9  | 0.5  | 1.2  | 3.1 | 4.3 | 4.6 | 6.4 | 6.3  | 4.7 | 3.5 | 0.2 | 1.1 | 3.8 | 2.2  | 3.4 | 2.2 | 2.3  | 2.7 | 2.1  | 0.7  | -0.3 | 1.2  | 0.8  | 4.0  | 2.3 | 1.3 | 1.8 | 1.6 | 0.7  | 3.8  | 0.7  |
| 62.5 | 3.9  | 3.7  | 4.7  | 3.6  | 1.3 | 2.9 | 5.6 | 6.1 | 7.1  | 6.9 | 5.0 | 4.4 | 3.2 | 1.6 | 3.4  | 2.1 | 2.5 | 2.7  | 1.9 | 2.4  | 2.5  | 1.1  | 0.6  | 3.9  | 1.6  | 2.8 | 2.1 | 1.6 | 1.0 | 3.6  | 1.8  | 0.7  |
| 75.0 | 6.0  | 7.9  | 6.8  | 4.4  | 3.6 | 2.5 | 4.4 | 6.4 | 6.4  | 7.0 | 8.4 | 6.2 | 5.5 | 3.8 | 1.9  | 2.9 | 3.0 | 1.5  | 1.1 | 1.6  | 1.6  | 3.6  | 4.5  | 2.6  | 3.6  | 1.7 | 2.4 | 0.7 | 3.4 | 1.9  | 1.0  | 0.2  |

# KENA COPPER GRID ULF DATA.

LINE 9200N. 21.4kHz.

|       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |       |       |       |      |      |      |      |       |      |      |      |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|------|------|------|------|-------|------|------|------|
| Q%    | -8.0 | -8.0 | -9.0 | -7.0 | -7.0 | -6.0 | -5.0 | -4.0 | -3.0 | -2.0 | -1.0 | -1.0 | 0.0  | 0.0  | 0.0  | 0.0  | 3.0  | 4.0  | 4.0  | 5.0  | 3.0  | 3.0  | 3.0   | 2.0   | 5.0   | 6.0   | 9.0  | 10.0 | 10.0 | 8.0  | 8.0   | 9.0  | 10.0 | 10.0 |
| I%    | -9.0 | -7.0 | -7.0 | -6.0 | -6.0 | -4.0 | -9.0 | -6.0 | -4.0 | -2.0 | -1.0 | -2.0 | -2.0 | -5.0 | -5.0 | -5.0 | -2.0 | -1.0 | -5.0 | -3.0 | -7.0 | -9.0 | -12.0 | -12.0 | -11.0 | -10.0 | -7.0 | -6.0 | -5.0 | -9.0 | -11.0 | -8.0 | -7.0 | -9.0 |
| FRFLI | 0.0  | -3.0 | -2.0 | -3.0 | 1.0  | 5.0  | -3.0 | -9.0 | -7.0 | -3.0 | 1.0  | 4.0  | 6.0  | 3.0  | -3.0 | -7.0 | -1.0 | 5.0  | 4.0  | 8.0  | 11.0 | 8.0  | 2.0   | -3.0  | -6.0  | -8.0  | -6.0 | 1.0  | 9.0  | 5.0  | -5.0  | -3.0 | 2.0  | 3.0  |

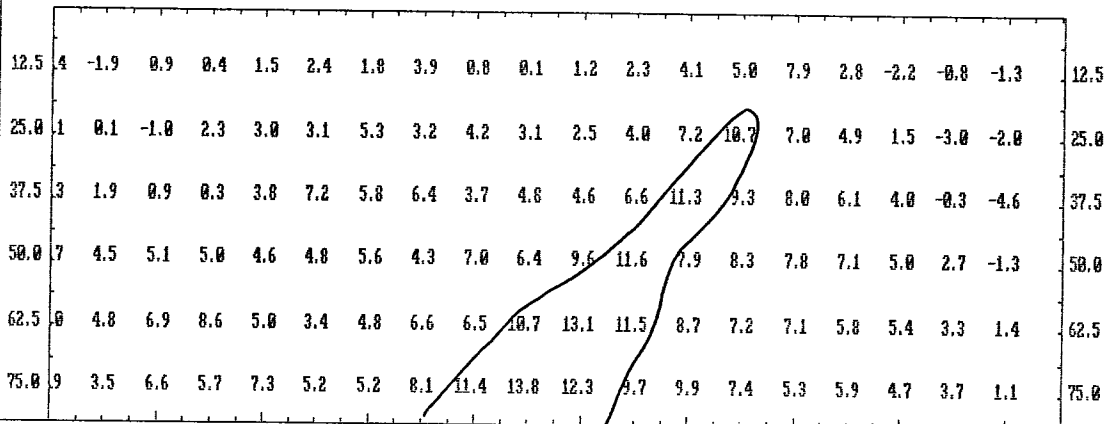
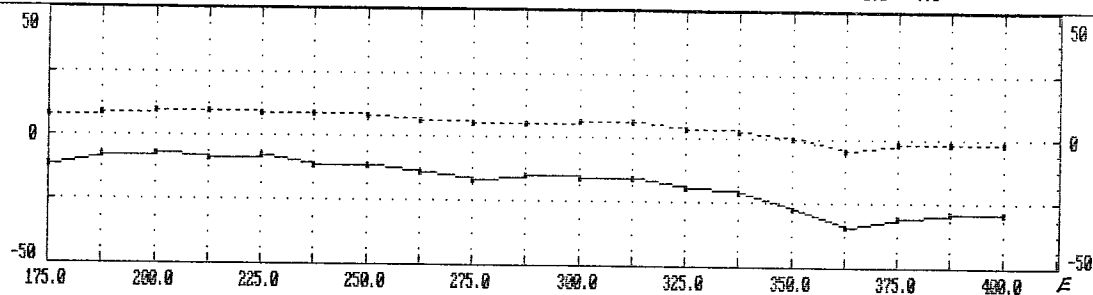


|      |   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| 12.5 | 2 | -0.9 | -0.5 | -0.4 | -1.3 | 1.4  | 0.0  | -3.2 | -2.0 | -2.2 | 0.0  | 0.5  | 1.8  | 1.6  | -0.1 | -1.1 | -2.4 | 2.0  | 1.2 | 1.7 | 4.1 | 2.9 | 2.2 | -0.6 | -1.1 | -2.6 | -2.2 | -1.1 | 1.2  | 3.2  | -0.4 | -1.9 | 0.9  | 12.5 |
| 25.0 | 6 | 0.8  | -1.9 | -1.8 | 1.2  | 0.0  | -1.5 | -1.1 | -4.5 | -2.4 | -1.3 | 1.4  | 2.0  | 1.4  | 0.1  | -1.6 | 0.8  | -0.3 | 3.3 | 4.6 | 3.6 | 4.6 | 2.4 | 1.2  | -2.1 | -2.9 | -3.3 | -0.3 | 2.1  | 1.1  | 1.1  | 0.1  | -1.0 | 25.0 |
| 37.5 | 2 | 1.4  | -0.7 | -0.1 | -0.2 | -1.3 | -1.6 | -2.8 | -1.4 | -4.3 | -0.7 | 0.7  | 2.2  | 1.3  | 0.1  | 1.5  | -1.4 | 0.8  | 2.1 | 5.7 | 6.8 | 4.2 | 4.1 | -0.3 | -1.6 | -3.6 | -0.7 | 0.6  | 0.2  | 1.1  | 2.3  | 1.9  | 0.9  | 37.5 |
| 50.0 | 6 | 0.7  | 3.8  | 0.7  | -2.7 | -3.1 | -3.4 | -2.2 | -1.4 | 1.5  | -1.2 | 0.3  | -1.0 | -0.5 | 2.1  | 0.2  | 2.3  | 2.3  | 3.8 | 3.9 | 5.2 | 5.5 | 1.5 | 2.4  | -0.5 | 0.4  | 0.5  | -1.7 | -1.1 | 0.7  | 1.7  | 4.5  | 5.1  | 50.0 |
| 62.5 | 0 | 3.6  | 1.8  | 0.7  | -1.8 | -4.1 | -2.2 | -1.7 | 0.2  | 0.3  | 1.4  | -3.6 | -2.8 | 0.4  | 0.7  | 3.2  | 4.1  | 5.6  | 4.2 | 3.2 | 2.9 | 2.7 | 3.3 | 1.1  | 4.5  | 3.4  | 0.3  | -1.8 | -0.8 | -0.1 | 3.0  | 4.8  | 6.9  | 62.5 |
| 75.0 | 4 | 1.9  | 1.0  | 0.2  | 0.0  | -0.3 | -3.1 | -0.5 | -0.8 | -0.7 | -2.5 | -1.5 | -1.6 | -1.3 | 2.1  | 4.5  | 6.7  | 5.9  | 5.1 | 3.4 | 2.0 | 1.1 | 2.3 | 5.2  | 3.9  | 3.8  | 1.6  | 2.7  | 0.0  | 1.3  | 1.9  | 3.5  | 6.6  | 75.0 |

# KENA COPPER GRID ULF DATA.

LINE 9200N, 21.4kHz.

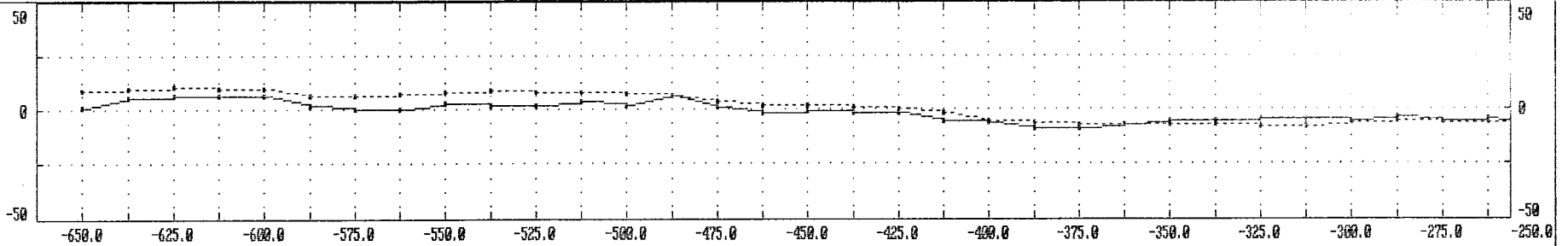
Q% 8.0 9.0 10.0 10.0 9.0 9.0 8.0 6.0 5.0 5.0 6.0 6.0 4.0 3.0 0.0 -4.0 -2.0 -2.0 -2.0  
 I% -11.0 -8.0 -7.0 -9.0 -8.0 -11.0 -11.0 -14.0 -17.0 -15.0 -16.0 -16.0 -19.0 -21.0 -27.0 -34.0 -31.0 -29.0 -29.0  
 FRFLT -5.0 -3.0 2.0 3.0 5.0 6.0 9.0 7.0 0.0 0.0 4.0 8.0 13.0 21.0 17.0 -1.0 -7.0



# KENA COPPER GRID VLF DATA.

LINE 9300N. 21.4kHz.

|       |      |      |      |      |      |     |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-------|------|------|------|------|------|-----|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| QZ    | 9.0  | 10.0 | 11.0 | 10.0 | 10.0 | 6.0 | 6.0  | 7.0  | 8.0  | 9.0  | 8.0  | 8.0  | 7.0  | 6.0 | 4.0  | 2.0  | 2.0  | 1.0  | 0.0  | -2.0 | -5.0 | -6.0 | -7.0 | -7.0 | -7.0 | -7.0 | -8.0 | -8.0 | -6.0 | -5.0 | -6.0 | -6.0 | -7.0 |
| IX    | 1.0  | 5.0  | 6.0  | 6.0  | 6.0  | 2.0 | 0.0  | 0.0  | 3.0  | 2.0  | 2.0  | 4.0  | 2.0  | 6.0 | 1.0  | -2.0 | -1.0 | -2.0 | -2.0 | -5.0 | -6.0 | -9.0 | -9.0 | -7.0 | -5.0 | -5.0 | -4.0 | -4.0 | -5.0 | -3.0 | -5.0 | -4.0 | -8.0 |
| FRFLT | -6.0 | -1.0 | 4.0  | 10.0 | 10.0 | 8.0 | -1.0 | -5.0 | -1.0 | -1.0 | -2.0 | -2.0 | -1.0 | 9.0 | 10.0 | 2.0  | 1.0  | 4.0  | 7.0  | 8.0  | 7.0  | 1.0  | -6.0 | -6.0 | -3.0 | -2.0 | 0.0  | 0.0  | -1.0 | 1.0  | 4.0  | 10.0 | 10.0 |

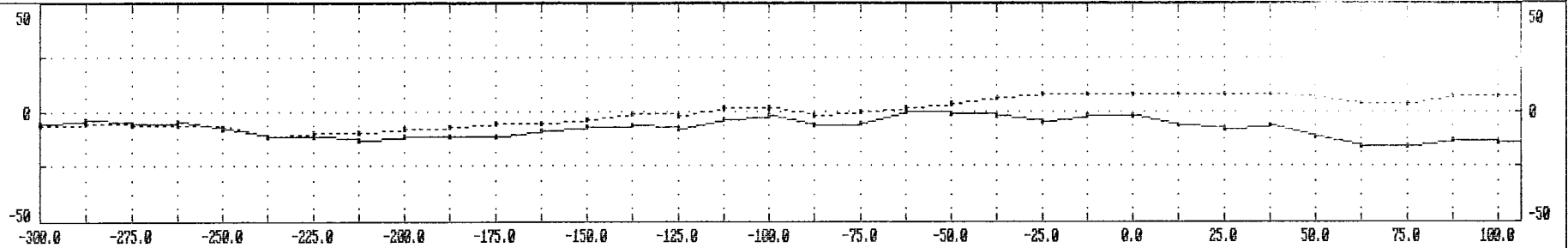


|      |      |      |      |      |     |      |     |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |     |     |     |
|------|------|------|------|------|-----|------|-----|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|-----|-----|-----|
| 12.5 | -3.5 | -2.9 | -0.6 | -0.1 | 2.4 | 3.3  | 1.4 | -1.3 | -1.2 | 0.6  | -1.8 | 0.4  | -0.8 | 0.5 | 4.9 | 1.1 | 0.9 | 1.1 | 2.1 | 2.6 | 2.3 | 1.9 | -1.1 | -2.2 | -1.3 | -0.8 | -1.0 | 0.7  | -0.7 | 0.4 | 1.1 | 1.8 |
| 25.0 | -1.7 | -3.4 | -2.6 | 1.9  | 3.4 | 2.6  | 1.3 | -0.2 | -0.8 | -1.2 | 1.3  | -2.0 | 0.5  | 3.6 | 2.4 | 5.1 | 2.3 | 1.9 | 2.9 | 4.8 | 4.2 | 1.1 | -0.3 | -2.1 | -2.4 | -1.4 | 0.4  | -0.7 | 0.6  | 0.3 | 1.9 | 4.6 |
| 37.5 | -0.5 | -2.0 | -1.1 | 1.3  | 3.1 | 2.5  | 2.8 | 2.5  | -1.3 | -1.3 | -2.8 | 2.1  | 3.7  | 2.9 | 3.8 | 2.1 | 6.0 | 4.0 | 4.1 | 4.6 | 3.2 | 2.3 | 0.8  | -0.3 | -2.1 | -1.2 | -1.2 | 0.8  | -0.1 | 2.4 | 3.6 | 2.8 |
| 50.0 | 1.4  | 1.8  | 2.0  | 1.0  | 0.3 | 3.3  | 3.5 | 2.4  | 3.3  | -1.4 | 0.0  | 1.1  | 2.1  | 2.6 | 2.7 | 5.7 | 5.1 | 8.5 | 5.8 | 2.7 | 3.0 | 2.5 | 2.1  | 1.1  | 0.4  | -2.2 | -1.6 | -1.4 | 2.0  | 3.7 | 4.4 | 4.7 |
| 62.5 | 5.7  | 5.5  | 4.0  | 1.2  | 0.3 | 1.5  | 2.9 | 4.4  | 1.8  | 4.2  | 3.2  | 0.7  | 1.0  | 2.6 | 3.4 | 4.7 | 8.0 | 7.4 | 8.6 | 4.8 | 2.8 | 2.3 | 1.7  | 2.1  | -0.7 | -0.3 | -2.4 | -0.1 | 2.6  | 3.4 | 4.8 | 4.5 |
| 75.0 | 8.6  | 7.7  | 4.4  | 3.7  | 2.4 | -0.4 | 1.7 | 1.4  | 4.5  | 5.9  | 5.4  | 3.5  | 2.3  | 3.4 | 5.9 | 7.0 | 6.7 | 7.1 | 4.9 | 7.6 | 3.9 | 1.9 | 2.8  | 0.4  | 1.7  | -1.3 | 0.9  | 1.5  | 1.5  | 3.5 | 3.3 | 4.3 |

# KENA COPPER GRID ULF DATA.

LINE 9300N. 21.4khz.

|       |      |      |      |      |      |       |       |       |       |       |       |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |      |      |       |       |       |       |       |       |
|-------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| QZ    | -6.0 | -5.0 | -6.0 | -6.0 | -7.0 | -11.0 | -10.0 | -10.0 | -8.0  | -7.0  | -5.0  | -5.0 | -3.0 | -1.0 | -2.0 | 2.0  | 2.0  | -2.0 | 0.0   | 2.0  | 4.0  | 6.0  | 8.0  | 8.0  | 8.0  | 8.0  | 8.0  | 6.0  | 4.0   | 4.0   | 7.0   | 7.0   | 8.0   |       |
| I%    | -5.0 | -3.0 | -5.0 | -4.0 | -8.0 | -11.0 | -11.0 | -13.0 | -11.0 | -11.0 | -11.0 | -9.0 | -7.0 | -6.0 | -8.0 | -3.0 | -2.0 | -6.0 | -5.0  | 0.0  | -1.0 | -2.0 | -4.0 | -2.0 | -2.0 | -6.0 | -8.0 | -6.0 | -11.0 | -16.0 | -16.0 | -13.0 | -14.0 | -13.0 |
| FRFLT | -1.0 | 1.0  | 4.0  | 10.0 | 10.0 | 5.0   | 2.0   | -2.0  | -2.0  | -2.0  | -6.0  | -7.0 | -2.0 | -2.0 | -9.0 | -3.0 | 6.0  | -3.0 | -10.0 | -2.0 | 5.0  | 3.0  | -2.0 | 2.0  | 10.0 | 6.0  | 3.0  | 13.0 | 15.0  | 2.0   | -5.0  | -2.0  | -3.0  | -9    |

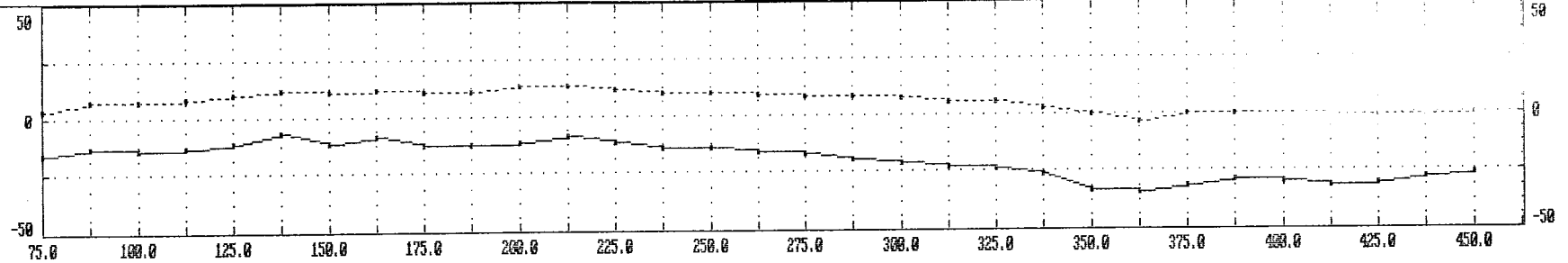


|      |   |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |      |      |      |      |
|------|---|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|------|------|------|------|
| 12.5 | 7 | 0.4 | 1.1 | 1.8 | 4.6 | 1.8 | 1.7 | 0.3 | -1.3 | -0.2 | -1.6 | -2.3 | -2.3 | 0.0  | -1.7 | -3.6 | 1.2  | 1.1  | -3.4 | -1.8 | 0.8  | 1.3  | 0.6  | -0.6 | 2.4 | 3.8 | 0.9 | 2.5 | 5.9 | 3.0 | -1.1 | -0.9 | -0.6 | 12.5 |
| 25.0 | 6 | 0.3 | 1.9 | 4.6 | 3.7 | 5.1 | 1.5 | 0.0 | 0.4  | -2.1 | -2.7 | -2.7 | -1.8 | -4.4 | -3.5 | -0.4 | -2.0 | -2.2 | -0.8 | -2.2 | -0.6 | 1.4  | 1.3  | 2.9  | 2.8 | 2.7 | 5.7 | 6.1 | 4.5 | 4.0 | 2.4  | -1.4 | -2.4 | 25.0 |
| 37.5 | 1 | 2.4 | 3.6 | 2.8 | 5.1 | 3.4 | 3.6 | 1.3 | -1.1 | -2.2 | -3.9 | -1.8 | -4.3 | -4.7 | -2.0 | -1.5 | -3.7 | -3.8 | -0.8 | 1.1  | -1.5 | -0.9 | 3.5  | 3.9  | 2.6 | 4.1 | 7.2 | 7.8 | 4.4 | 4.2 | 4.4  | 0.5  | -4.6 | 37.5 |
| 50.0 | 0 | 3.7 | 4.4 | 4.7 | 2.8 | 4.1 | 2.7 | 2.2 | -0.8 | -3.3 | -1.7 | -5.6 | -4.9 | -2.0 | -2.6 | -4.2 | -2.5 | -1.4 | -1.6 | -0.4 | 0.1  | -0.4 | 1.2  | 2.6  | 5.3 | 7.7 | 6.8 | 6.7 | 7.1 | 3.8 | 1.8  | 1.4  | 0.8  | 50.0 |
| 62.5 | 6 | 3.4 | 4.8 | 4.5 | 3.8 | 3.5 | 3.2 | 0.9 | 0.3  | -0.5 | -4.4 | -4.7 | -3.8 | -2.5 | -4.6 | -4.2 | -2.7 | -0.4 | -1.3 | -3.4 | 1.0  | 3.1  | -0.8 | 3.1  | 8.9 | 8.2 | 5.6 | 5.8 | 6.6 | 5.0 | 1.3  | 2.8  | 2.6  | 62.5 |
| 75.0 | 5 | 3.5 | 3.3 | 4.3 | 4.7 | 3.0 | 1.5 | 2.5 | 2.5  | -0.3 | -2.9 | -2.0 | -2.5 | -6.9 | -4.9 | -4.4 | -3.4 | -3.9 | -2.5 | 0.6  | 0.5  | 2.4  | 5.4  | 5.5  | 5.9 | 7.2 | 7.4 | 6.1 | 4.0 | 3.6 | 6.1  | 2.6  | 3.1  | 75.0 |

# KENA COPPER GRID VLF DATA.

LINE 9300N, 21.4kHz.

|       |       |       |       |       |       |      |       |      |       |       |       |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|------|-------|------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| QZ    | 4.0   | 7.0   | 7.0   | 8.0   | 10.0  | 12.0 | 11.0  | 12.0 | 11.0  | 11.0  | 13.0  | 13.0 | 12.0  | 10.0  | 10.0  | 9.0   | 8.0   | 8.0   | 7.0   | 5.0   | 5.0   | 3.0   | 0.0   | -3.0  | 0.0   | 8.0   | 0.0   | -1.0  | -1.0  | -1.0  | 0.0   |
| IX    | -16.0 | -13.0 | -14.0 | -13.0 | -11.0 | -7.0 | -11.0 | -9.0 | -12.0 | -12.0 | -11.0 | -9.0 | -11.0 | -14.0 | -14.0 | -16.0 | -17.0 | -19.0 | -21.0 | -23.0 | -24.0 | -26.0 | -33.0 | -34.0 | -32.0 | -29.0 | -30.0 | -32.0 | -31.0 | -28.0 | -26.0 |
| FRFLT | -5.0  | -2.0  | -3.0  | -9.0  | -6.0  | 2.0  | 3.0   | 4.0  | 2.0   | -4.0  | -3.0  | 5.0  | 8.0   | 5.0   | 5.0   | 6.0   | 7.0   | 8.0   | 7.0   | 6.0   | 12.0  | 17.0  | 7.0   | -6.0  | -7.0  | 1.0   | 4.0   | -3.0  | -9.0  |       |       |



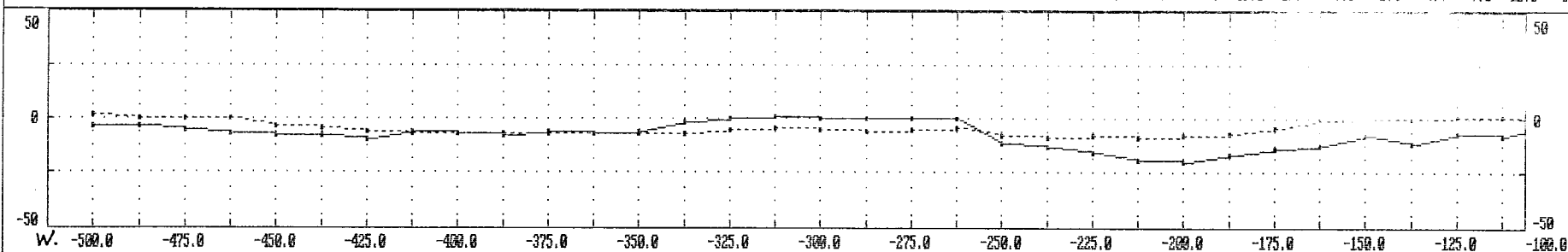
|      |   |      |      |      |      |      |      |      |     |      |      |     |     |     |     |     |      |      |      |      |     |     |     |      |      |      |      |      |       |       |       |
|------|---|------|------|------|------|------|------|------|-----|------|------|-----|-----|-----|-----|-----|------|------|------|------|-----|-----|-----|------|------|------|------|------|-------|-------|-------|
| 12.5 | 1 | -0.9 | -0.6 | -1.8 | -3.6 | 0.0  | 1.0  | 0.3  | 1.9 | -0.6 | -1.1 | 0.1 | 3.0 | 1.9 | 1.8 | 2.4 | 2.2  | 2.9  | 2.9  | 2.9  | 2.5 | 5.5 | 4.6 | -0.1 | -2.0 | -1.2 | 1.1  | 0.0  | -2.5  | -3.2  | -3.1  |
| 25.0 | 4 | -1.4 | -2.4 | -2.3 | -1.4 | -2.9 | 0.2  | 3.1  | 0.0 | -0.1 | -0.1 | 1.9 | 2.4 | 4.9 | 4.0 | 3.4 | 5.4  | 5.8  | 4.9  | 4.4  | 7.5 | 7.2 | 5.4 | 2.1  | -1.6 | -1.2 | -0.4 | -0.6 | -3.2  | -5.9  | -6.4  |
| 37.5 | 4 | 0.5  | -4.6 | -2.2 | -1.4 | -0.1 | 0.8  | 0.6  | 1.4 | 0.3  | 3.5  | 1.4 | 3.0 | 4.8 | 7.7 | 6.9 | 5.8  | 6.0  | 6.4  | 10.1 | 9.4 | 6.8 | 3.5 | 3.6  | 3.4  | -1.1 | -3.6 | -3.8 | -3.2  | -5.1  | -7.9  |
| 50.0 | 8 | 1.4  | 0.8  | -2.7 | -1.1 | 0.7  | 0.1  | -0.5 | 1.6 | 5.6  | 3.5  | 5.2 | 3.7 | 4.4 | 5.9 | 8.3 | 8.2  | 7.9  | 11.1 | 10.3 | 8.2 | 5.5 | 5.0 | 5.2  | 3.9  | 0.8  | -4.3 | -6.2 | -6.4  | -6.2  | -7.8  |
| 62.5 | 3 | 2.8  | 2.6  | 1.5  | -0.6 | -1.0 | -0.3 | 0.5  | 3.2 | 4.3  | 6.9  | 4.8 | 7.1 | 5.8 | 6.2 | 7.0 | 9.5  | 11.8 | 10.8 | 9.8  | 7.2 | 6.6 | 6.9 | 4.9  | 2.0  | 0.5  | -1.7 | -7.0 | -9.1  | -9.1  | -8.9  |
| 75.0 | 1 | 2.6  | 3.1  | 4.9  | 2.4  | -2.1 | -1.2 | 2.5  | 2.0 | 3.6  | 4.8  | 8.3 | 7.1 | 8.7 | 7.2 | 8.1 | 11.8 | 12.7 | 10.6 | 7.3  | 7.9 | 7.9 | 6.8 | 4.2  | 1.6  | -0.5 | -2.7 | -5.0 | -10.0 | -11.6 | -11.9 |



# KENA COPPER GRID ULF DATA.

LINE 9400N, 21.4kHz.

|       |      |      |      |      |      |      |       |      |      |      |      |       |      |      |      |      |      |      |      |      |      |       |       |       |       |       |       |       |       |      |       |      |      |      |
|-------|------|------|------|------|------|------|-------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|------|------|------|
| Q%    | 2.0  | 0.0  | 0.0  | 0.0  | -3.0 | -4.0 | -6.0  | -7.0 | -7.0 | -7.0 | -7.0 | -7.0  | -7.0 | -7.0 | -5.0 | -4.0 | -5.0 | -6.0 | -5.0 | -4.0 | -8.0 | -9.0  | -8.0  | -9.0  | -8.0  | -7.0  | -4.0  | -1.0  | 0.0   | 0.0  | 1.0   | 1.0  | 3.0  |      |
| I%    | -3.0 | -3.0 | -5.0 | -7.0 | -8.0 | -8.0 | -10.0 | -6.0 | -7.0 | -8.0 | -6.0 | -7.0  | -6.0 | -2.0 | 0.0  | 1.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | -11.0 | -13.0 | -16.0 | -19.0 | -20.0 | -17.0 | -14.0 | -12.0 | -8.0 | -11.0 | -7.0 | -8.0 | -3.0 |
| FREQI | 6.0  | 7.0  | 4.0  | 3.0  | 0.0  | -5.0 | -1.0  | 1.0  | -2.0 | -1.0 | -5.0 | -11.0 | -9.0 | -3.0 | 1.0  | 1.0  | 0.0  | 11.0 | 24.0 | 18.0 | 11.0 | 10.0  | 2.0   | -8.0  | -11.0 | -11.0 | -7.0  | -2.0  | -4.0  | -7.0 | -12.0 | -8.0 |      |      |

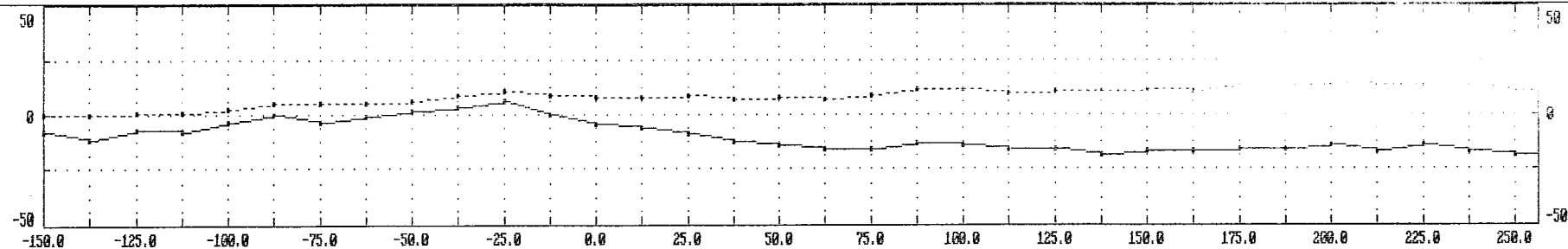


|      |      |      |      |     |     |      |      |      |      |      |      |      |      |      |      |      |      |     |     |      |      |      |     |     |      |      |      |      |      |      |       |       |      |
|------|------|------|------|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|------|------|------|-----|-----|------|------|------|------|------|------|-------|-------|------|
| 12.5 | 0.7  | 1.3  | 2.6  | 2.1 | 0.6 | 1.4  | -1.0 | -1.9 | 1.3  | -1.0 | -0.9 | -0.4 | -3.4 | -3.5 | -2.0 | -0.5 | 0.4  | 1.1 | 0.0 | 7.0  | 8.3  | 3.7  | 4.6 | 2.3 | -1.1 | -3.8 | -2.9 | -4.3 | -1.1 | -1.4 | -2.6  | -2.1  | 12.5 |
| 25.0 | 1.3  | 2.6  | 2.6  | 3.0 | 2.9 | -0.3 | -0.3 | -0.1 | -2.6 | 0.1  | -0.8 | -3.8 | -4.0 | -4.6 | -2.6 | -0.2 | 0.7  | 1.1 | 6.7 | 7.6  | 9.2  | 11.0 | 5.0 | 2.7 | -0.2 | -3.0 | -7.0 | -4.0 | -4.3 | -3.1 | -4.4  | -7.7  | 25.0 |
| 37.5 | 1.3  | 2.5  | 3.1  | 3.6 | 1.1 | 0.3  | -0.1 | -1.4 | -0.5 | -2.1 | -2.1 | -2.8 | -3.8 | -2.2 | -3.0 | -2.6 | -0.6 | 6.2 | 7.4 | 8.3  | 10.2 | 10.6 | 9.7 | 1.3 | -0.9 | -4.7 | -3.9 | -6.7 | -4.7 | -6.8 | -6.8  | -2.8  | 37.5 |
| 50.0 | 1.1  | 1.2  | 2.9  | 1.1 | 1.3 | 2.1  | 0.0  | -0.4 | -0.3 | -2.3 | -4.0 | -1.8 | -2.4 | -3.4 | -2.8 | -4.2 | 2.0  | 5.9 | 8.2 | 11.1 | 10.7 | 8.2  | 7.1 | 5.6 | -2.7 | -1.7 | -5.8 | -6.1 | -8.4 | -7.9 | -4.0  | -3.8  | 50.0 |
| 62.5 | -0.3 | 1.5  | -0.1 | 1.3 | 2.6 | 2.1  | 2.8  | 1.5  | -1.5 | -3.0 | -4.4 | -5.3 | -3.2 | -4.1 | -4.3 | 2.7  | 3.6  | 5.1 | 8.8 | 10.5 | 9.3  | 6.6  | 5.9 | 3.3 | 5.2  | -2.6 | -2.8 | -6.8 | -9.3 | -8.1 | -6.8  | -6.9  | 62.5 |
| 75.0 | 0.2  | -1.2 | 1.2  | 2.6 | 2.3 | 3.8  | 2.8  | 0.3  | -2.9 | -4.0 | -5.4 | -5.2 | -6.6 | -4.0 | 1.5  | 2.1  | 5.6  | 6.5 | 7.5 | 7.6  | 7.0  | 7.1  | 4.3 | 6.3 | 4.3  | 5.5  | -3.4 | -6.5 | -6.5 | -9.8 | -12.1 | -11.1 | 75.0 |

# KENA COPPER GRID ULF DATA.

LINE 9400N. 21.4kHz.

|       |      |       |      |       |      |     |      |       |      |     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------|------|-------|------|-------|------|-----|------|-------|------|-----|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0%    | 0.0  | 0.0   | 1.0  | 1.0   | 3.0  | 5.0 | 5.0  | 5.0   | 6.0  | 9.0 | 11.0 | 9.0  | 8.0  | 8.0  | 9.0  | 7.0   | 8.0   | 7.0   | 9.0   | 12.0  | 12.0  | 10.0  | 11.0  | 11.0  | 12.0  | 11.0  | 13.0  | 13.0  | 14.0  | 13.0  | 13.0  | 13.0  | 11.0  | 10.0  |
| 1%    | -8.0 | -11.0 | -7.0 | -8.0  | -3.0 | 0.0 | -3.0 | -1.0  | 2.0  | 4.0 | 6.0  | 0.0  | -4.0 | -6.0 | -9.0 | -12.0 | -14.0 | -16.0 | -16.0 | -13.0 | -14.0 | -16.0 | -16.0 | -18.0 | -17.0 | -17.0 | -16.0 | -16.0 | -14.0 | -17.0 | -14.0 | -17.0 | -18.0 | -21.0 |
| FRELT | -2.0 | -4.0  | -7.0 | -12.0 | -8.0 | 1.0 | -4.0 | -10.0 | -9.0 | 0.0 | 14.0 | 16.0 | 11.0 | 11.0 | 11.0 | 9.0   | 6.0   | -1.0  | -5.0  | 1.0   | 5.0   | 4.0   | 3.0   | 0.0   | -2.0  | -2.0  | -3.0  | -1.0  | 1.0   | 0.0   | 4.0   | 0.0   | 5.0   | 5     |

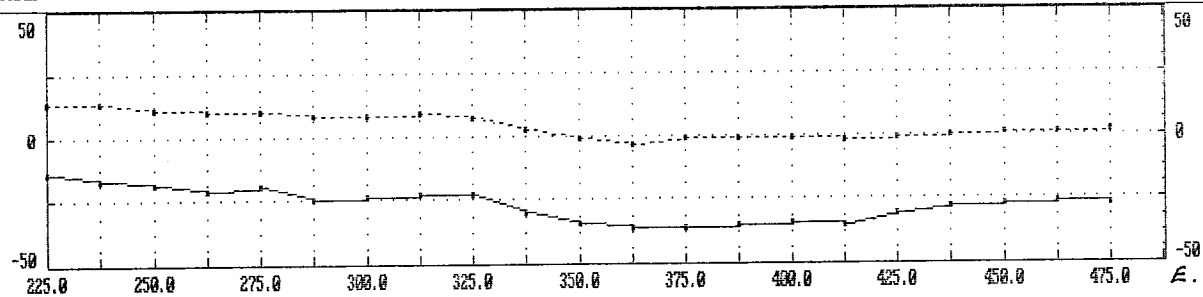


|      |   |      |       |       |      |      |      |      |      |      |     |     |     |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |     |     |     |     |      |
|------|---|------|-------|-------|------|------|------|------|------|------|-----|-----|-----|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|-----|-----|-----|-----|------|
| 12.5 | 1 | -1.4 | -2.6  | -2.1  | -5.3 | -0.5 | -0.4 | -3.5 | -2.3 | -2.1 | 2.4 | 6.1 | 4.1 | 4.1  | 4.4  | 3.4  | 2.5  | 1.6  | -1.3 | -0.9 | 1.9 | 0.9 | 1.4 | 0.7 | -0.6 | -0.6 | -0.5 | -1.4 | 0.7  | 0.1 | 0.3 | 2.5 | 2.8 | 12.5 |
| 25.0 | 3 | -3.1 | -4.4  | -7.7  | -3.7 | -4.3 | -2.4 | -2.3 | -4.9 | -0.5 | 4.1 | 6.6 | 8.8 | 6.8  | 5.9  | 6.9  | 5.6  | 1.8  | 0.9  | 0.8  | 0.5 | 3.2 | 1.7 | 0.5 | -0.2 | -0.8 | -1.2 | 0.6  | -0.9 | 1.0 | 2.8 | 2.3 | 2.9 | 25.0 |
| 37.5 | 7 | -6.8 | -6.8  | -2.8  | -5.8 | -5.5 | -7.0 | -4.8 | 0.3  | 1.1  | 2.4 | 5.9 | 9.0 | 11.8 | 9.9  | 7.0  | 4.3  | 3.6  | 3.5  | 2.5  | 2.4 | 1.3 | 3.4 | 2.0 | 1.0  | -0.8 | 0.1  | -1.2 | 0.8  | 1.6 | 3.8 | 4.3 | 5.9 | 37.5 |
| 50.0 | 4 | -7.9 | -4.0  | -3.8  | -4.4 | -7.5 | -7.0 | -5.1 | -0.4 | 3.0  | 3.0 | 6.5 | 9.2 | 10.9 | 12.5 | 7.1  | 5.6  | 6.1  | 3.8  | 4.1  | 3.1 | 2.5 | 2.3 | 3.9 | 1.8  | 2.0  | 0.1  | 0.6  | 2.0  | 3.9 | 3.3 | 6.6 | 6.6 | 50.0 |
| 62.5 | 3 | -8.1 | -6.8  | -6.9  | -7.2 | -6.0 | -4.2 | -1.1 | -0.7 | 3.4  | 6.2 | 5.5 | 7.8 | 9.5  | 9.2  | 10.8 | 8.8  | 7.0  | 7.1  | 4.9  | 4.2 | 2.3 | 1.4 | 0.5 | 5.1  | 3.3  | 3.6  | 4.0  | 4.2  | 2.7 | 5.7 | 5.0 | 4.0 | 62.5 |
| 75.0 | 5 | -9.8 | -12.1 | -11.1 | -9.8 | -5.0 | -0.5 | -0.7 | 3.1  | 3.9  | 6.4 | 9.0 | 6.6 | 6.2  | 8.2  | 11.2 | 12.2 | 10.4 | 8.3  | 6.5  | 4.4 | 3.0 | 1.7 | 2.0 | 1.1  | 4.7  | 5.1  | 5.7  | 4.3  | 5.6 | 5.1 | 4.1 | 4.6 | 75.0 |

# KENA COPPER GRID ULF DATA.

LINE 9400N. 21.4kHz.

Q% 13.0 13.0 11.0 10.0 10.0 8.0 8.0 9.0 7.0 3.0 -1.0 -3.0 -1.0 -1.0 -1.0 -2.0 -1.0 0.0 1.0 1.0 2.0  
 IX -14.0 -17.0 -18.0 -21.0 -19.0 -25.0 -24.0 -23.0 -23.0 -30.0 -34.0 -36.0 -36.0 -35.0 -34.0 -35.0 -31.0 -28.0 -27.0 -26.0 -27.0  
 FRELT 4.0 8.0 5.0 5.0 9.0 3.0 -3.0 6.0 18.0 17.0 8.0 1.0 -3.0 -2.0 -3.0 -10.0 -11.0 -6.0 -2.0

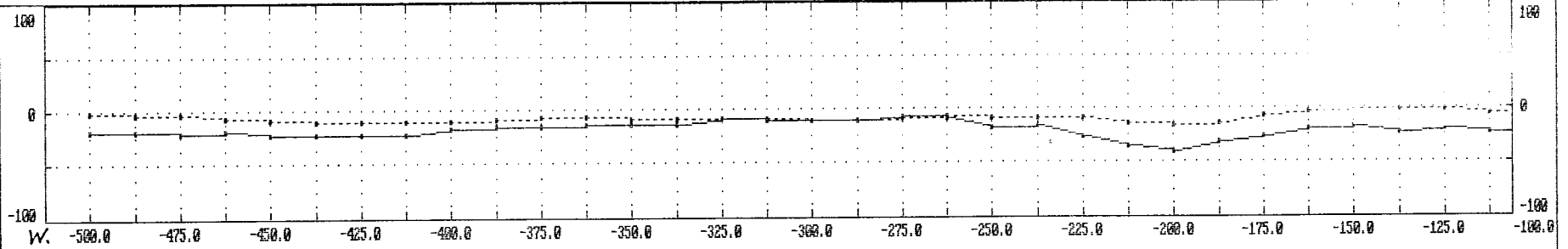


|      |   |     |     |     |      |      |      |      |     |     |     |     |      |      |      |      |      |      |      |      |      |      |
|------|---|-----|-----|-----|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|
| 12.5 | 3 | 2.5 | 2.0 | 1.1 | 2.5  | 3.2  | -0.4 | 0.7  | 4.5 | 6.6 | 3.8 | 1.9 | -0.1 | -1.4 | -0.5 | -2.2 | -4.4 | -2.4 | -1.7 | -0.3 | 0.5  | 12.5 |
| 25.0 | 8 | 2.3 | 2.9 | 5.6 | 4.9  | 2.3  | 3.5  | 3.8  | 6.2 | 8.1 | 7.9 | 2.4 | -0.2 | -0.1 | -2.0 | -3.6 | -4.1 | -5.5 | -2.7 | -0.9 | -0.5 | 25.0 |
| 37.5 | 8 | 4.3 | 5.9 | 6.7 | 4.0  | 3.5  | 5.7  | 9.1  | 6.3 | 7.2 | 6.9 | 6.9 | 3.2  | -1.0 | -4.5 | -4.6 | -4.2 | -3.0 | -4.3 | -2.5 | -1.1 | 37.5 |
| 50.0 | 3 | 6.6 | 6.6 | 4.2 | 5.4  | 7.2  | 8.8  | 8.3  | 9.7 | 6.1 | 6.4 | 7.5 | 5.3  | -0.2 | -3.2 | -5.2 | -4.5 | -4.1 | -3.2 | -3.5 | -1.3 | 50.0 |
| 62.5 | 7 | 5.0 | 4.0 | 5.2 | 7.6  | 11.5 | 10.9 | 10.5 | 8.0 | 8.9 | 5.9 | 4.5 | 3.4  | 3.2  | -1.7 | -2.7 | -4.2 | -4.4 | -4.1 | -2.9 | -3.9 | 62.5 |
| 75.0 | 1 | 4.1 | 4.6 | 8.3 | 11.7 | 11.2 | 12.9 | 11.0 | 9.7 | 8.3 | 7.1 | 2.0 | 1.9  | 2.1  | 2.0  | -0.9 | -3.1 | -4.1 | -3.9 | -3.7 | -3.2 | 75.0 |

# KENA COPPER GRID ULF DATA.

LINE 9500N, 21.4kHz.

|       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |       |       |       |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| QZ    | -2.0  | -3.0  | -4.0  | -7.0  | -9.0  | -10.0 | -11.0 | -11.0 | -10.0 | -9.0  | -7.0  | -7.0  | -8.0  | -8.0  | -9.0 | -9.0  | -10.0 | -10.0 | -8.0 | -7.0 | -9.0  | -8.0  | -9.0  | -13.0 | -16.0 | -13.0 | -7.0  | -4.0  | -2.0  | -2.0  | -2.0  | -5.0  | -4.0  |
| IX    | -19.0 | -20.0 | -21.0 | -20.0 | -22.0 | -22.0 | -22.0 | -23.0 | -18.0 | -15.0 | -15.0 | -14.0 | -13.0 | -13.0 | -9.0 | -11.0 | -11.0 | -10.0 | -7.0 | -9.0 | -18.0 | -16.0 | -27.0 | -35.0 | -40.0 | -31.0 | -26.0 | -20.0 | -17.0 | -22.0 | -20.0 | -23.0 | -25.0 |
| FRPLT | 2.0   | 1.0   | 3.0   | 2.0   | 1.0   | -3.0  | -12.0 | -11.0 | -4.0  | -3.0  | -3.0  | -5.0  | -6.0  | 0.0   | 1.0  | -5.0  | -5.0  | 10.0  | 10.0 | 16.0 | 28.0  | 32.0  | 9.0   | -18.0 | -25.0 | -20.0 | -7.0  | 5.0   | 4.0   | 6.0   | 0.0   | -17.0 |       |

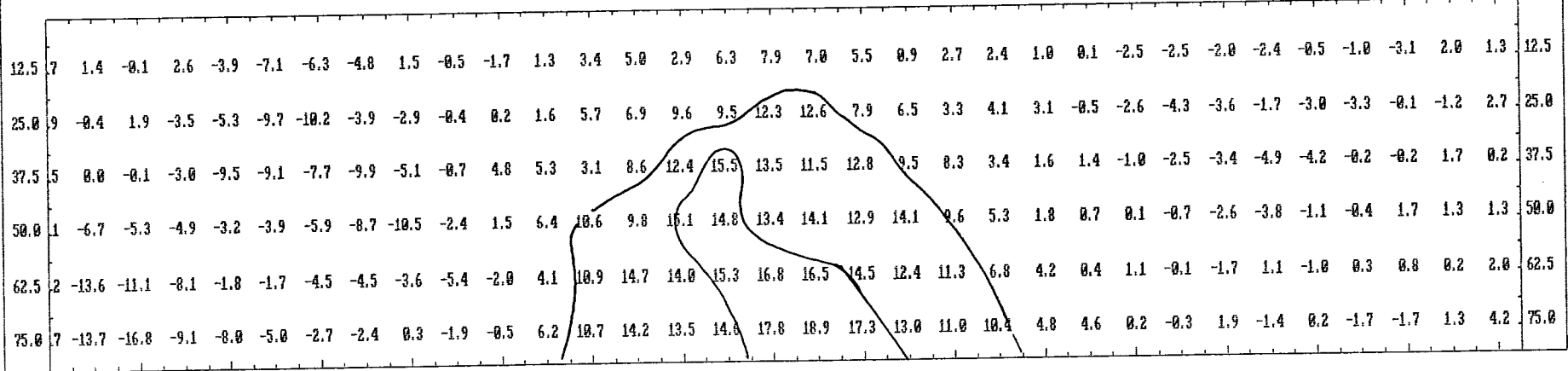
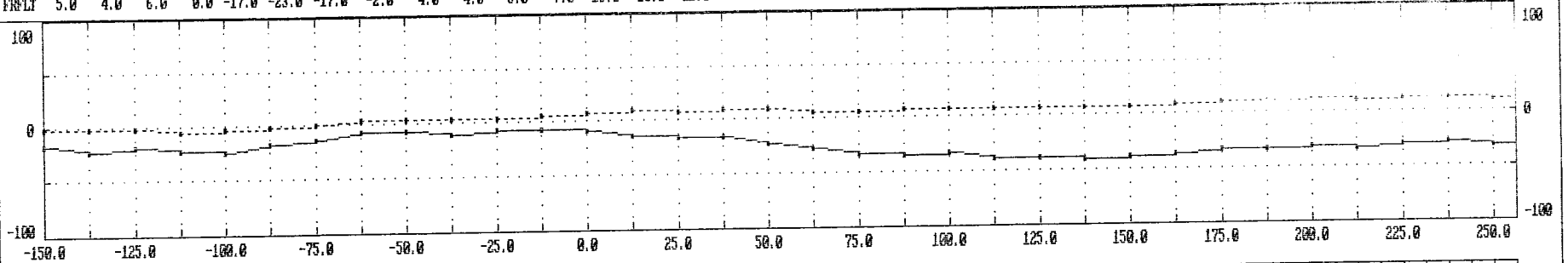


|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |      |      |       |       |      |       |       |      |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|-------|-------|------|-------|-------|------|
| 12.5 | 0.9  | 1.3  | 0.2  | 0.7  | 1.4  | -0.5 | 0.3  | -2.5 | -4.9 | -2.1 | -1.3 | -1.9 | -0.6 | -2.5 | -1.4 | 0.7  | -0.9 | -1.2 | -0.5 | 7.4  | 5.3  | 6.9  | 11.6 | 7.2 | -1.0 | -0.0 | -6.1  | -6.6  | 0.7  | 1.4   | -0.1  | 2.6  |
| 25.0 | 1.1  | 1.0  | 1.3  | 0.4  | 0.2  | 1.5  | -2.5 | -4.3 | -4.6 | -5.4 | -3.2 | -1.6 | -4.5 | -2.8 | -0.6 | -1.3 | -0.2 | 0.0  | 5.6  | 3.8  | 11.2 | 14.3 | 11.8 | 9.0 | 0.0  | -7.3 | -11.8 | -4.1  | -3.9 | -0.4  | 1.9   | -3.5 |
| 37.5 | -0.7 | 0.7  | 1.3  | 1.1  | 1.1  | -2.6 | -3.3 | -4.3 | -4.6 | -5.7 | -6.1 | -4.6 | -1.8 | -0.9 | -0.9 | -1.6 | -2.1 | 4.6  | 1.7  | 0.1  | 13.8 | 10.7 | 13.0 | 5.4 | 2.2  | -6.2 | -0.0  | -11.3 | -3.5 | 0.0   | -0.1  | -3.0 |
| 50.0 | -0.1 | 0.5  | 0.5  | 1.7  | -1.4 | -3.7 | -4.3 | -4.2 | -4.8 | -4.8 | -5.7 | -4.4 | -1.5 | -1.3 | -4.3 | -3.5 | 1.0  | 0.7  | 9.2  | 13.1 | 16.7 | 11.6 | 9.8  | 4.7 | -2.0 | 2.7  | -4.5  | -7.0  | -8.1 | -6.7  | -5.3  | -4.9 |
| 62.5 | -0.6 | -0.1 | 0.8  | -1.9 | -2.8 | -2.3 | -3.6 | -3.5 | -1.9 | -4.9 | -5.1 | -5.4 | -7.6 | -7.3 | -4.1 | 1.3  | 1.2  | 8.4  | 12.2 | 16.1 | 9.4  | 6.4  | 3.7  | 4.2 | 6.2  | 0.6  | 4.1   | -1.0  | -9.2 | -13.6 | -11.1 | -8.1 |
| 75.0 | -1.4 | -0.2 | -1.5 | -3.1 | -1.5 | -0.0 | -1.0 | -2.6 | -6.4 | -5.2 | -7.3 | -7.7 | -9.8 | -8.3 | 0.2  | 0.4  | 6.4  | 10.6 | 14.0 | 9.2  | 7.7  | 3.5  | 2.1  | 6.2 | 6.9  | 7.3  | 4.6   | 2.7   | -5.7 | -13.7 | -16.8 | -9.1 |

# KENA COPPER GRID ULF DATA.

LINE 9500N, 21.4kHz.

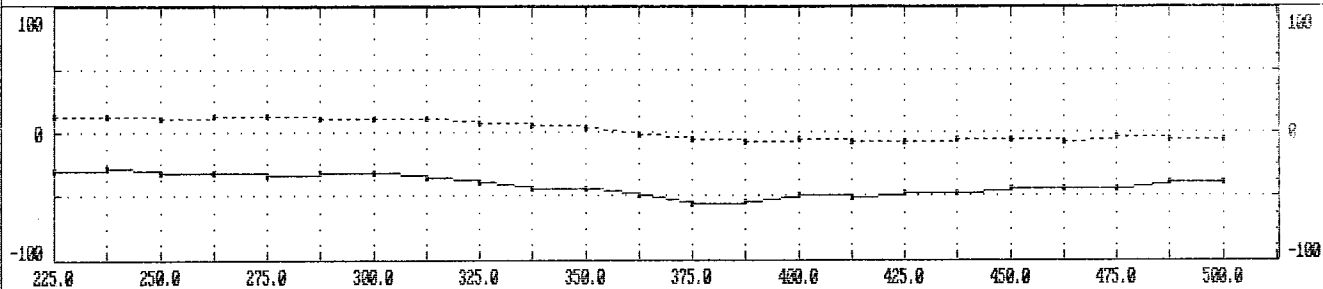
|      |       |       |       |       |       |       |       |      |      |       |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|------|-------|-------|-------|-------|-------|-------|-------|------|------|-------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Q%   | -2.0  | -2.0  | -2.0  | -5.0  | -4.0  | -1.0  | 1.0   | 4.0  | 4.0  | 3.0   | 4.0  | 6.0  | 7.0  | 9.0   | 8.0   | 9.0   | 9.0   | 6.0   | 6.0   | 7.0   | 7.0   | 7.0   | 7.0   | 7.0   | 7.0   | 9.0   | 10.0  | 11.0  | 12.0  | 11.0  | 13.0  | 12.0  | 11.0  | 12.0  |
| I%   | -17.0 | -22.0 | -20.0 | -23.0 | -25.0 | -18.0 | -13.0 | -7.0 | -7.0 | -11.0 | -7.0 | -7.0 | -8.0 | -13.0 | -15.0 | -16.0 | -23.0 | -28.0 | -34.0 | -35.0 | -34.0 | -38.0 | -38.0 | -40.0 | -38.0 | -36.0 | -34.0 | -33.0 | -31.0 | -33.0 | -29.0 | -28.0 | -32.0 | -31.0 |
| FRLT | 5.0   | 4.0   | 6.0   | 0.0   | -17.0 | -23.0 | -17.0 | -2.0 | 4.0  | -4.0  | -3.0 | 7.0  | 13.0 | 10.0  | 11.0  | 20.0  | 23.0  | 18.0  | 7.0   | 3.0   | 7.0   | 6.0   | 2.0   | -4.0  | -8.0  | -7.0  | -6.0  | -3.0  | -2.0  | -7.0  | -2.0  | 6.0   | 4.0   | 2     |



# KENA COPPER GRID ULF DATA.

LINE 9500M. 21.4kHz.

Q% 13.0 12.0 11.0 12.0 12.0 11.0 11.0 11.0 7.0 5.0 3.0 -2.0 -5.0 -6.0 -5.0 -7.0 -6.0 -5.0 -5.0 -6.0 -4.0 -5.0 -5.0  
 I% -29.0 -20.0 -32.0 -31.0 -33.0 -32.0 -31.0 -35.0 -30.0 -43.0 -43.0 -50.0 -56.0 -55.0 -50.0 -51.0 -40.0 -47.0 -43.0 -43.0 -43.0 -39.0 -39.0  
 P%FLT -2.0 6.0 4.0 2.0 -1.0 1.0 10.0 15.0 13.0 12.0 20.0 18.0 -1.0 -10.0 -6.0 -6.0 -9.0 -9.0 -4.0 -4.0 -8.0

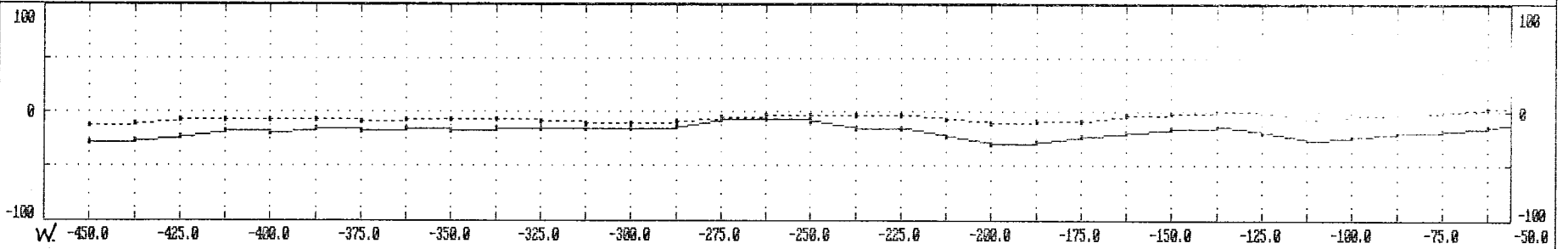


|      |   |      |     |     |     |      |      |      |      |      |      |     |     |      |      |      |      |       |       |       |      |       |       |      |
|------|---|------|-----|-----|-----|------|------|------|------|------|------|-----|-----|------|------|------|------|-------|-------|-------|------|-------|-------|------|
| 12.5 | 1 | 2.0  | 1.3 | 0.5 | 1.3 | -0.7 | 2.6  | 4.3  | 5.6  | 4.5  | 4.9  | 7.0 | 3.2 | -2.9 | -2.1 | -2.0 | -3.1 | -3.0  | -3.2  | -0.4  | -3.0 | -2.6  | -1.2  | 12.5 |
| 25.0 | 1 | -1.2 | 2.7 | 3.1 | 0.1 | 3.1  | 4.9  | 7.0  | 7.2  | 9.1  | 10.5 | 7.3 | 4.6 | 1.1  | -4.0 | -4.5 | -3.6 | -4.8  | -4.2  | -5.7  | -3.2 | -4.2  | -4.9  | 25.0 |
| 37.5 | 2 | 1.7  | 0.2 | 2.4 | 5.2 | 4.0  | 7.0  | 5.8  | 10.5 | 14.3 | 11.9 | 7.0 | 4.6 | 2.9  | -1.4 | -6.5 | -6.5 | -3.6  | -6.7  | -5.1  | -6.3 | -5.5  | -6.3  | 37.5 |
| 50.0 | 7 | 1.3  | 1.3 | 1.6 | 4.0 | 7.0  | 5.6  | 10.3 | 12.7 | 12.4 | 10.8 | 8.7 | 5.8 | 2.5  | -0.3 | -3.9 | -7.4 | -8.7  | -5.9  | -7.3  | -6.3 | -7.1  | -6.0  | 50.0 |
| 62.5 | 8 | 0.2  | 2.0 | 4.0 | 5.7 | 7.9  | 11.6 | 12.7 | 12.5 | 8.8  | 9.7  | 8.9 | 6.3 | 2.4  | -0.5 | -0.2 | -6.4 | -10.0 | -10.0 | -7.9  | -9.2 | -7.8  | -8.1  | 62.5 |
| 75.0 | 7 | 1.3  | 4.2 | 7.2 | 7.8 | 10.1 | 15.1 | 14.7 | 9.5  | 10.3 | 7.2  | 7.1 | 5.3 | 3.2  | 1.9  | -3.2 | -2.9 | -7.9  | -11.8 | -11.7 | -9.9 | -10.9 | -10.2 | 75.0 |

# KENA COPPER GRID ULF DATA.

LINE 9600N. 21.4khz.

|       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |     |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----|
| QZ    | -12.0 | -11.0 | -7.0  | -6.0  | -7.0  | -6.0  | -8.0  | -7.0  | -7.0  | -7.0  | -9.0  | -10.0 | -11.0 | -9.0 | -5.0 | -4.0 | -3.0  | -4.0  | -3.0  | -6.0  | -11.0 | -9.0  | -8.0  | -3.0  | -1.0  | 1.0   | -2.0  | -6.0  | -4.0  | -2.0  | 0.0   | 3.0  | 6.0 |
| IZ    | -28.0 | -26.0 | -23.0 | -18.0 | -19.0 | -16.0 | -18.0 | -15.0 | -17.0 | -16.0 | -15.0 | -15.0 | -13.0 | -7.0 | -7.0 | -9.0 | -15.0 | -16.0 | -22.0 | -30.0 | -28.0 | -23.0 | -19.0 | -15.0 | -13.0 | -20.0 | -26.0 | -23.0 | -20.0 | -17.0 | -14.0 | -7.0 |     |
| FRELI | -13.0 | -12.0 | -6.0  | -3.0  | -2.0  | -2.0  | 0.0   | -1.0  | -3.0  | -1.0  | -2.0  | -10.0 | -14.0 | -4.0 | 10.0 | 15.0 | 14.0  | 21.0  | 20.0  | -1.0  | -16.0 | -17.0 | -14.0 | -1.0  | 18.0  | 16.0  | -3.0  | -12.0 | -12.0 | -16.0 | -18.0 | -9   |     |

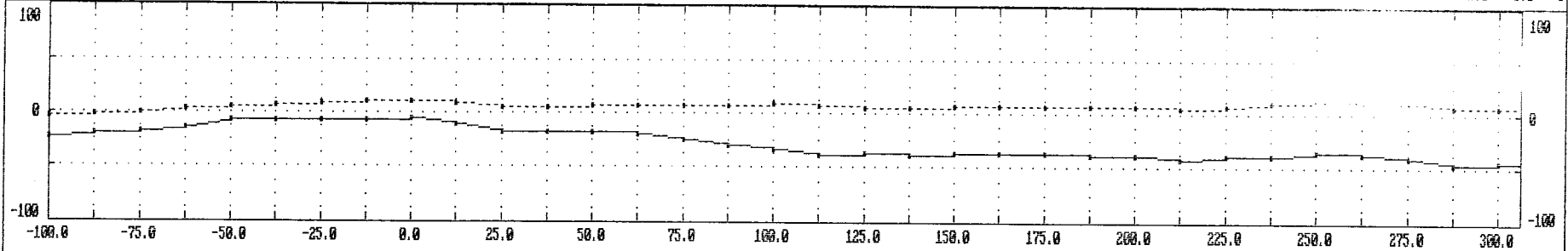


|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |      |       |       |      |      |       |       |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|------|-----|------|------|------|------|------|-------|-------|------|------|-------|-------|
| 12.5 | -3.1 | -3.0 | -5.5 | -2.7 | -1.9 | -1.0 | -0.6 | -1.0 | 0.6  | -1.4 | -0.6 | -0.8 | -1.6 | -4.6 | -3.0 | 1.1  | 4.9 | 5.4  | 4.8  | 8.5  | 3.4 | -3.9 | -5.1 | -4.6 | -3.4 | 2.4  | 6.9   | 1.5   | -3.1 | -4.0 | -4.5  | -6.5  |
| 25.0 | -2.5 | -7.1 | -5.0 | -5.6 | -3.5 | -2.7 | -2.0 | -1.1 | -3.1 | -0.9 | -1.5 | -1.3 | -4.2 | -3.7 | -2.1 | 1.9  | 5.0 | 7.9  | 10.8 | 6.6  | 4.9 | 0.4  | -7.2 | -8.1 | -1.2 | 3.6  | 2.5   | 2.0   | -2.9 | -7.6 | -9.2  | -7.0  |
| 37.5 | -3.3 | -4.4 | -7.9 | -5.2 | -6.1 | -4.0 | -2.2 | -3.4 | -1.2 | -2.3 | -0.9 | -4.8 | -3.9 | -3.4 | -0.5 | -0.5 | 4.4 | 13.0 | 12.0 | 8.7  | 2.0 | -1.5 | -5.8 | -5.9 | -1.3 | 0.2  | 1.0   | 1.3   | 0.3  | -7.9 | -11.0 | -10.0 |
| 50.0 | -0.7 | -4.2 | -5.3 | -8.7 | -5.9 | -4.8 | -3.3 | 0.0  | -0.3 | -0.7 | -6.3 | -5.9 | -6.5 | -2.6 | 0.0  | 4.5  | 8.9 | 9.0  | 8.6  | 6.0  | 1.9 | -2.6 | 0.7  | 0.9  | -4.8 | -4.3 | -1.8  | -0.8  | -2.2 | -2.4 | -6.7  | -10.3 |
| 62.5 | -0.9 | -1.3 | -4.1 | -4.5 | -5.8 | -4.0 | -3.4 | -2.7 | -1.6 | -6.4 | -5.8 | -5.4 | 0.1  | -1.1 | 2.5  | 7.5  | 6.0 | 2.2  | 1.8  | 2.9  | 2.2 | 4.9  | 6.1  | 4.3  | -1.0 | -7.0 | -7.1  | -7.8  | -5.6 | -2.0 | 0.0   | -5.1  |
| 75.0 | 3.2  | 0.6  | 1.2  | -1.3 | -4.2 | -6.7 | -5.7 | -6.4 | -7.9 | -4.5 | -4.1 | 0.8  | -0.3 | 4.1  | 5.9  | 4.3  | 2.0 | -0.5 | -2.3 | -1.6 | 7.3 | 11.1 | 0.2  | 3.7  | 1.0  | -2.8 | -11.8 | -10.7 | -7.8 | -5.1 | -3.8  | 0.3   |

# KENA COPPER GRID VLF DATA.

LINE 9600N. 21.4kHz.

|       |       |       |       |       |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|-------|-------|-------|-------|-------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| QZ    | -4.0  | -2.0  | 0.0   | 3.0   | 6.0  | 8.0  | 9.0  | 11.0 | 11.0  | 9.0   | 6.0   | 6.0   | 7.0   | 8.0   | 8.0   | 8.0   | 9.0   | 7.0   | 6.0   | 6.0   | 7.0   | 7.0   | 8.0   | 7.0   | 7.0   | 6.0   | 8.0   | 11.0  | 12.0  | 11.0  | 10.0  | 7.0   | 7.0   | 6.0 |
| Iz    | -23.0 | -20.0 | -17.0 | -14.0 | -7.0 | -6.0 | -6.0 | -5.0 | -10.0 | -17.0 | -17.0 | -17.0 | -20.0 | -24.0 | -30.0 | -34.0 | -38.0 | -37.0 | -39.0 | -37.0 | -37.0 | -37.0 | -38.0 | -39.0 | -42.0 | -39.0 | -39.0 | -35.0 | -36.0 | -41.0 | -46.0 | -43.0 | -46.0 |     |
| FRELT | -12.0 | -12.0 | -16.0 | -18.0 | -9.0 | -1.0 | -1.0 | 3.0  | 16.0  | 19.0  | 7.0   | 3.0   | 10.0  | 17.0  | 20.0  | 18.0  | 11.0  | 4.0   | 1.0   | -2.0  | -2.0  | 1.0   | 3.0   | 6.0   | 4.0   | -3.0  | -7.0  | -7.0  | 3.0   | 16.0  | 12.0  | 2.0   | 6.0   |     |



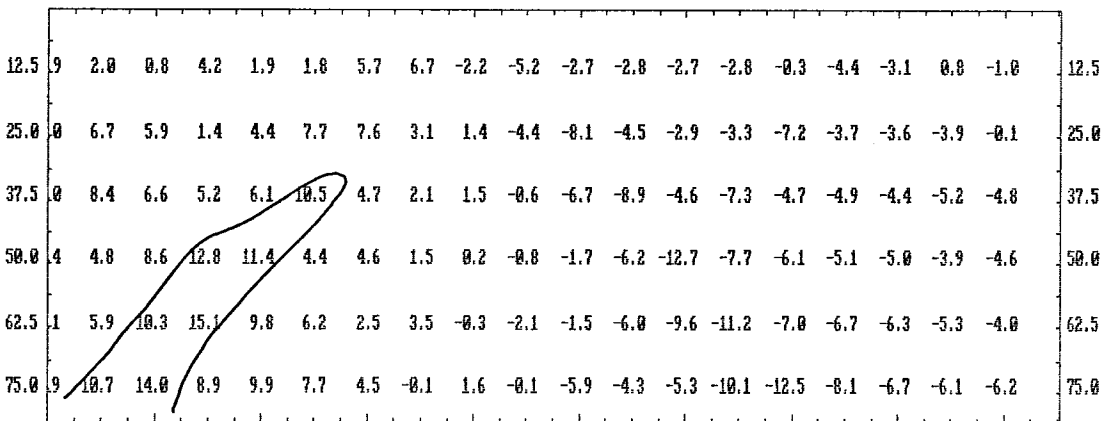
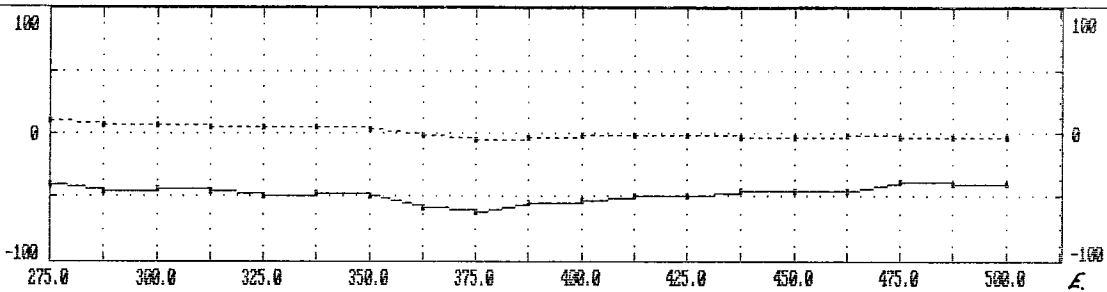
|      |   |      |       |       |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |     |     |      |      |      |
|------|---|------|-------|-------|------|------|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|-----|-----|------|------|------|
| 12.5 | 1 | -4.0 | -4.5  | -6.5  | -5.3 | -1.3 | -0.3 | 0.2  | 2.7 | 7.2  | 4.6  | 1.3  | 3.3  | 4.9  | 6.7  | 6.6  | 5.7  | 2.5  | 1.1  | 0.4  | -1.1 | 0.3 | 0.7 | 1.0 | 2.3 | -0.3 | -1.7 | -1.7 | -1.4 | 3.4 | 5.9 | 2.0  | 0.8  | 12.5 |
| 25.0 | 9 | -7.6 | -9.2  | -7.0  | -5.4 | -4.8 | -1.7 | 2.1  | 6.3 | 7.0  | 8.4  | 7.5  | 5.4  | 9.0  | 11.6 | 11.6 | 8.2  | 6.2  | 3.2  | 1.2  | 1.2  | 0.1 | 1.1 | 2.6 | 1.6 | 1.3  | -1.9 | -2.9 | 2.1  | 4.7 | 5.0 | 6.7  | 5.9  | 25.0 |
| 37.5 | 3 | -7.9 | -11.8 | -10.0 | -7.6 | -5.3 | -0.2 | 7.0  | 7.0 | 6.7  | 8.2  | 10.0 | 11.7 | 10.6 | 13.2 | 13.0 | 13.2 | 9.5  | 5.6  | 2.2  | 1.1  | 3.0 | 4.3 | 3.2 | 2.5 | 0.0  | -0.5 | 1.9  | 3.5  | 4.2 | 5.0 | 8.4  | 6.6  | 37.5 |
| 50.0 | 2 | -2.4 | -6.7  | -10.3 | -9.8 | -5.0 | 1.2  | 3.5  | 7.2 | 9.2  | 10.7 | 13.2 | 16.1 | 16.1 | 11.6 | 13.0 | 12.1 | 10.7 | 9.6  | 7.3  | 5.6  | 5.0 | 3.4 | 2.2 | 1.7 | 2.0  | 5.4  | 6.4  | 3.3  | 2.2 | 5.4 | 4.8  | 8.6  | 50.0 |
| 62.5 | 6 | -2.0 | 0.0   | -5.1  | -6.6 | -1.9 | -1.3 | -0.8 | 3.4 | 10.4 | 15.0 | 17.2 | 19.4 | 18.1 | 15.4 | 18.9 | 11.9 | 11.9 | 11.6 | 11.2 | 9.6  | 5.6 | 4.3 | 3.2 | 1.3 | 4.8  | 7.5  | 5.4  | 5.7  | 7.0 | 4.1 | 5.9  | 10.3 | 62.5 |
| 75.0 | 8 | -5.1 | -3.0  | 0.3   | 1.1  | -2.5 | -1.1 | 1.6  | 5.0 | 9.3  | 14.7 | 18.1 | 18.3 | 20.0 | 19.5 | 17.0 | 12.5 | 12.3 | 13.0 | 13.9 | 10.0 | 7.0 | 3.3 | 1.5 | 4.7 | 5.0  | 5.3  | 7.3  | 7.9  | 7.3 | 7.9 | 10.7 | 14.0 | 75.0 |



# KENA COPPER GRID ULF DATA.

LINE 9600N. 21.4kHz.

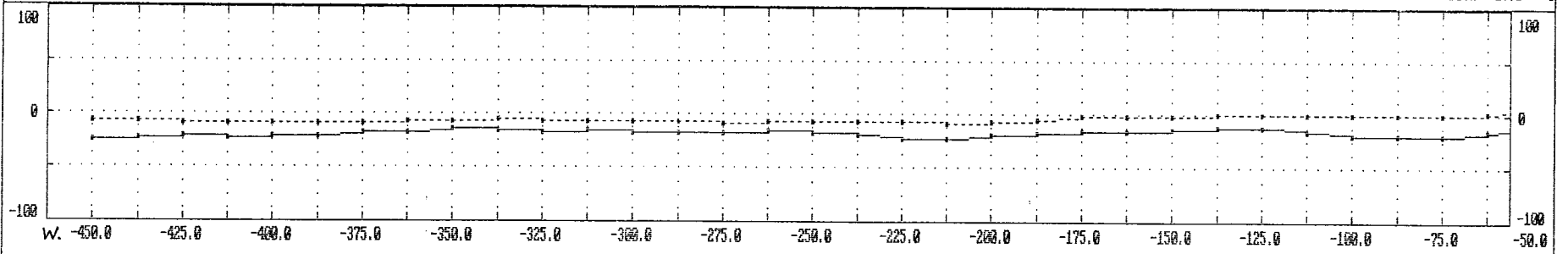
QZ 10.0 7.0 7.0 6.0 6.0 6.0 3.0 -1.0 -5.0 -3.0 -1.0 -1.0 -2.0 -3.0 -4.0 -2.0 -3.0 -4.0 -3.0  
 IX -41.0 -46.0 -43.0 -46.0 -49.0 -48.0 -50.0 -58.0 -62.0 -54.0 -52.0 -58.0 -49.0 -46.0 -46.0 -39.0 -41.0 -41.0  
 FRFLT 12.0 2.0 6.0 8.0 3.0 11.0 22.0 8.0 -14.0 -14.0 -7.0 -7.0 -7.0 -3.0 -7.0 -12.0 -3.0



# KENA COPPER GRID ULF DATA.

LINE 9700N. 21.4kHz.

|       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| QZ    | -7.0  | -7.0  | -8.0  | -9.0  | -8.0  | -8.0  | -8.0  | -7.0  | -7.0  | -5.0  | -6.0  | -7.0  | -7.0  | -7.0  | -8.0  | -6.0  | -7.0  | -6.0  | -5.0  | -2.0  | -1.0  | -1.0  | 0.0   | 1.0   | 1.0   | 1.0   | 0.0   | 0.0   | 2.0   | 0.0   |       |       |      |
| LX    | -24.0 | -23.0 | -21.0 | -23.0 | -21.0 | -21.0 | -18.0 | -18.0 | -14.0 | -16.0 | -18.0 | -16.0 | -18.0 | -18.0 | -15.0 | -18.0 | -20.0 | -22.0 | -23.0 | -20.0 | -17.0 | -16.0 | -15.0 | -14.0 | -12.0 | -12.0 | -16.0 | -19.0 | -19.0 | -15.0 | -8.0  |       |      |
| FRFLT |       | -3.0  | 0.0   | -2.0  | -5.0  | -6.0  | -7.0  | -6.0  | 2.0   | 4.0   | 0.0   | 2.0   | 2.0   | -3.0  | -3.0  | 5.0   | 9.0   | 7.0   | 1.0   | -8.0  | -10.0 | -6.0  | -4.0  | -5.0  | -5.0  | 2.0   | 11.0  | 10.0  | 3.0   | -4.0  | -15.0 | -17.0 | -4.0 |

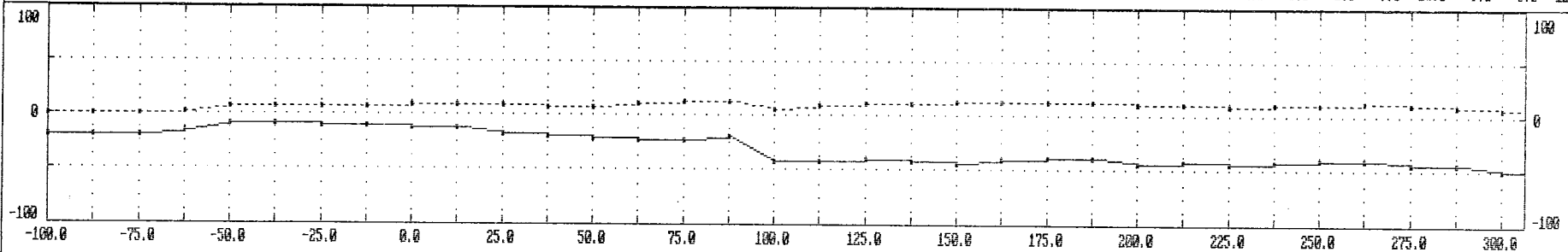


|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 12.5 | -0.9 | -1.9 | -0.2 | -0.5 | -1.5 | -2.1 | -2.0 | -2.3 | -1.6 | 2.4  | -0.2 | 0.3  | 1.0  | 0.1  | -1.3 | 0.3  | 3.1  | 2.0  | 1.8  | -1.1 | -3.5 | -2.6 | -1.9 | -1.6 | -1.5 | -0.9 | 2.4  | 4.0  | 1.6  | -0.3 | -2.3 | -6.5 |
| 25.0 | -1.9 | -1.3 | -2.2 | -1.4 | -1.7 | -3.3 | -4.4 | -2.9 | -0.1 | -1.8 | 1.9  | 1.2  | 0.2  | -0.3 | 0.4  | 0.6  | 1.9  | 4.4  | 0.8  | -2.3 | -3.7 | -3.9 | -2.7 | -2.5 | -2.5 | -0.4 | 1.4  | 3.1  | 3.7  | -0.8 | -6.3 | -5.3 |
| 37.5 | -0.2 | -1.6 | -2.0 | -3.2 | -2.8 | -3.8 | -4.4 | -2.0 | -3.1 | 0.3  | 0.2  | 2.2  | -1.4 | -0.8 | 1.3  | 1.8  | 2.3  | 1.0  | 1.4  | -0.7 | -2.1 | -4.4 | -6.5 | -5.4 | -1.0 | 1.3  | 2.0  | 2.3  | 0.9  | -2.3 | -3.5 | -4.5 |
| 50.0 | -0.2 | -0.8 | -3.1 | -3.8 | -5.5 | -3.6 | -1.2 | -3.2 | -1.6 | -2.1 | -0.9 | -2.7 | 1.3  | 1.4  | 1.4  | 3.4  | 0.9  | -0.5 | -0.7 | -0.3 | -2.9 | -5.3 | -6.5 | -4.4 | -0.6 | 1.2  | 2.3  | 1.2  | -2.6 | -1.1 | -1.2 | -3.4 |
| 62.5 | -0.1 | -1.9 | -2.3 | -4.9 | -4.1 | -2.7 | -3.8 | -1.8 | -3.2 | -2.3 | -4.1 | -0.7 | 0.7  | 4.4  | 3.7  | 1.1  | 0.1  | -2.3 | -3.4 | -3.5 | -2.8 | -3.9 | -2.3 | -0.8 | -1.4 | 0.0  | -0.1 | -3.6 | -2.9 | 0.4  | 2.1  | 1.9  |
| 75.0 | -0.5 | -0.9 | -3.9 | -3.4 | -3.1 | -4.9 | -3.6 | -3.4 | -2.1 | -4.3 | -1.2 | -0.1 | 2.7  | 2.8  | 2.4  | -0.5 | -2.4 | -1.9 | -3.5 | -4.3 | -3.4 | 0.7  | 1.0  | -0.1 | -0.9 | -3.9 | -3.8 | -2.1 | -1.3 | 0.2  | 1.4  | 2.5  |

# KENA COPPER GRID ULF DATA.

LINE 9700N. 21.4kHz.

|       |       |       |       |       |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| QZ    | 1.0   | 0.0   | 0.0   | 2.0   | 8.0  | 8.0  | 8.0   | 8.0   | 9.0   | 9.0   | 9.0   | 8.0   | 8.0   | 10.0  | 12.0  | 12.0  | 5.0   | 9.0   | 10.0  | 10.0  | 12.0  | 12.0  | 12.0  | 12.0  | 11.0  | 10.0  | 9.0   | 10.0  | 11.0  | 12.0  | 10.0  | 9.0   | 8.0   | 8.0   |
| IX    | -19.0 | -19.0 | -19.0 | -15.0 | -8.0 | -9.0 | -10.0 | -11.0 | -12.0 | -12.0 | -17.0 | -20.0 | -21.0 | -23.0 | -22.0 | -20.0 | -42.0 | -42.0 | -40.0 | -42.0 | -43.0 | -41.0 | -39.0 | -39.0 | -43.0 | -42.0 | -44.0 | -42.0 | -40.0 | -40.0 | -43.0 | -44.0 | -49.0 | -47.0 |
| FRFLT | 3.0   | -4.0  | -15.0 | -17.0 | -4.0 | 4.0  | 4.0   | 3.0   | 6.0   | 13.0  | 12.0  | 7.0   | 4.0   | -2.0  | 17.0  | 42.0  | 20.0  | -2.0  | 3.0   | 2.0   | -5.0  | -6.0  | 2.0   | 7.0   | 4.0   | 1.0   | -4.0  | -6.0  | 1.0   | 7.0   | 10.0  | 9.0   | 5.0   | 12    |



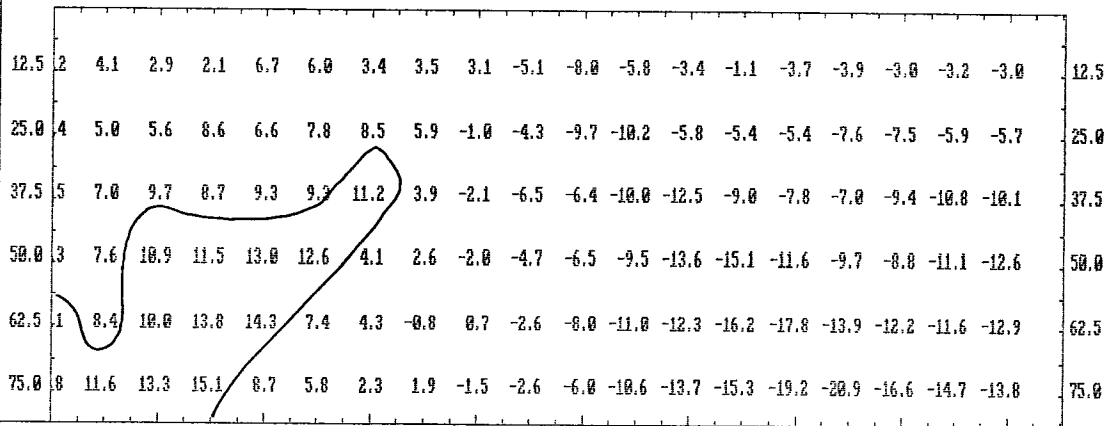
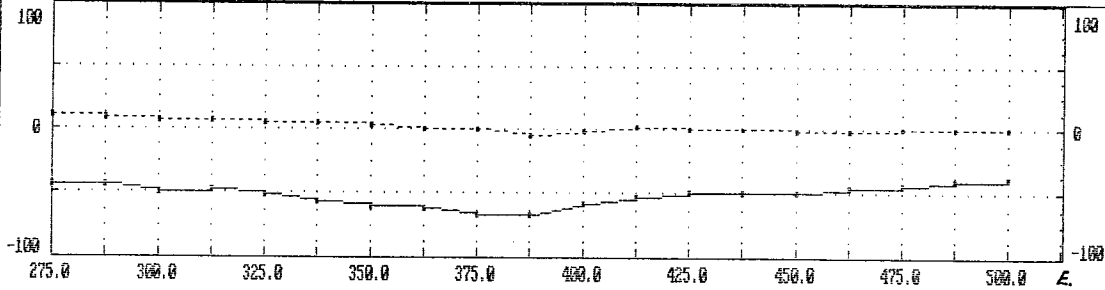
|      |   |      |      |      |      |      |      |     |     |     |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |      |      |      |      |      |      |      |
|------|---|------|------|------|------|------|------|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|------|------|------|------|------|------|------|
| 12.5 | 6 | -0.3 | -2.3 | -6.5 | -3.7 | 0.6  | 0.6  | 1.9 | 1.3 | 3.4 | 5.2  | 2.6  | 2.2  | 3.1  | -0.7 | 12.0 | 13.2 | -0.3 | 2.1  | 1.4  | -0.8 | -1.8 | -1.1 | 2.3 | 1.5 | 0.5 | 0.3  | -2.1 | -0.9 | 2.1  | 2.2  | 4.1  | 2.9  |
| 25.0 | 7 | -0.8 | -6.3 | -5.3 | -4.1 | -1.4 | 2.6  | 1.8 | 3.5 | 4.7 | 7.8  | 9.0  | 4.1  | 1.4  | 13.6 | 12.3 | 11.0 | 13.2 | 1.8  | 0.3  | 1.6  | 0.6  | -0.4 | 0.4 | 3.3 | 1.9 | -1.3 | -0.8 | 0.3  | 2.7  | 6.4  | 5.0  | 5.6  |
| 37.5 | 9 | -2.3 | -3.5 | -4.5 | -4.0 | -3.3 | -1.0 | 7.9 | 8.6 | 8.0 | 7.1  | 6.1  | 5.4  | 15.4 | 13.6 | 12.3 | 12.5 | 13.9 | 13.5 | -0.5 | -0.9 | 2.6  | 2.3  | 3.4 | 3.1 | 1.4 | 1.7  | 1.7  | 2.4  | 4.1  | 4.5  | 7.0  | 9.7  |
| 50.0 | 6 | -1.1 | -1.2 | -3.4 | -2.1 | -2.0 | 0.7  | 5.3 | 8.9 | 9.5 | 8.2  | 5.8  | 17.2 | 17.3 | 13.7 | 13.4 | 13.8 | 11.5 | 11.3 | 12.7 | 3.2  | 2.6  | 4.5  | 2.4 | 1.9 | 3.0 | 6.1  | 6.7  | 4.0  | 2.7  | 3.3  | 7.6  | 10.9 |
| 62.5 | 9 | 0.4  | 2.1  | 1.9  | -0.4 | 0.7  | 0.7  | 1.3 | 5.1 | 9.1 | 7.5  | 19.7 | 19.3 | 17.1 | 17.2 | 15.1 | 12.3 | 11.3 | 10.6 | 14.5 | 15.7 | 4.8  | 3.4  | 4.1 | 2.8 | 2.0 | 4.0  | 7.3  | 5.7  | 5.8  | 10.1 | 8.4  | 10.0 |
| 75.0 | 3 | 0.2  | 1.4  | 2.5  | 3.6  | 3.2  | 2.3  | 2.9 | 2.2 | 3.0 | 19.5 | 19.5 | 18.2 | 19.0 | 19.5 | 18.2 | 14.4 | 13.0 | 14.6 | 13.0 | 15.0 | 15.6 | 2.0  | 1.2 | 3.4 | 2.9 | 4.5  | 4.0  | 8.4  | 11.6 | 10.0 | 11.6 | 13.3 |

?

# KENA COPPER GRID ULF DATA.

LINE 9700N. 21.4kHz.

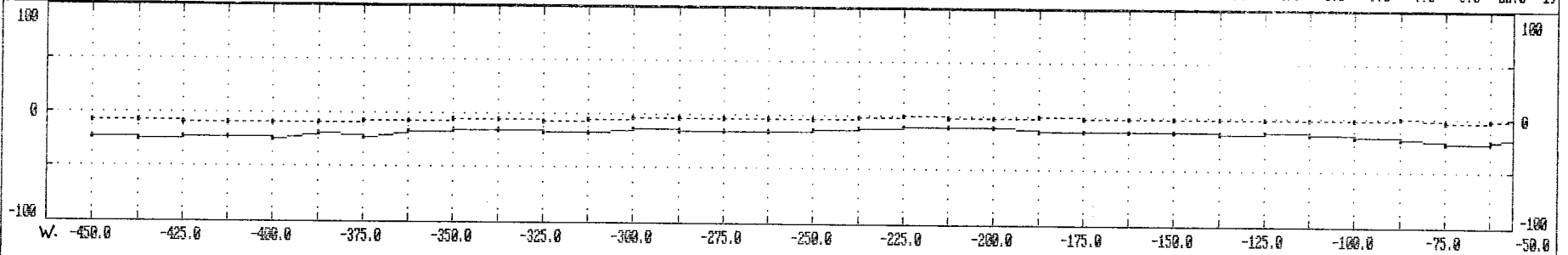
Q% 10.0 9.0 8.0 8.0 6.0 6.0 3.0 1.0 0.0 -5.0 -1.0 2.0 1.0 0.0 -1.0 -1.0 0.0 0.0 0.0  
 I% -43.0 -44.0 -49.0 -47.0 -51.0 -57.0 -60.0 -61.0 -66.0 -67.0 -58.0 -53.0 -49.0 -50.0 -49.0 -45.0 -43.0 -41.0 -39.0  
 FRFLI 10.0 9.0 5.0 12.0 19.0 13.0 10.0 12.0 -2.0 -22.0 -23.0 -12.0 -3.0 -5.0 -11.0 -10.0 -8.0



# KENA COPPER GRID ULF DATA.

LINE 9800N. 21.4khz.

|       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| QZ    | -7.0  | -7.0  | -8.0  | -8.0  | -9.0  | -8.0  | -7.0  | -6.0  | -5.0  | -5.0  | -6.0  | -5.0  | -4.0  | -3.0  | -4.0  | -3.0  | -3.0  | -2.0  | 0.0   | -1.0  | -1.0  | 0.0   | -1.0  | -2.0  | -1.0  | -1.0  | -1.0  | -1.0  | 0.0   | -3.0  | -2.0  | 2.0   |       |
| IX    | -22.0 | -24.0 | -23.0 | -23.0 | -24.0 | -20.0 | -22.0 | -17.0 | -16.0 | -16.0 | -18.0 | -17.0 | -14.0 | -15.0 | -16.0 | -16.0 | -14.0 | -12.0 | -10.0 | -11.0 | -11.0 | -14.0 | -14.0 | -14.0 | -14.0 | -15.0 | -13.0 | -15.0 | -17.0 | -19.0 | -22.0 | -21.0 | -14.0 |
| FRFLI |       | 0.0   | 0.0   | -2.0  | -5.0  | -5.0  | -9.0  | -7.0  | 1.0   | 3.0   | -3.0  | -6.0  | 0.0   | 3.0   | -1.0  | -6.0  | -8.0  | -5.0  | 0.0   | 4.0   | 6.0   | 3.0   | 0.0   | 1.0   | 0.0   | -1.0  | 4.0   | 8.0   | 9.0   | 7.0   | -6.0  | -22.0 | -19   |

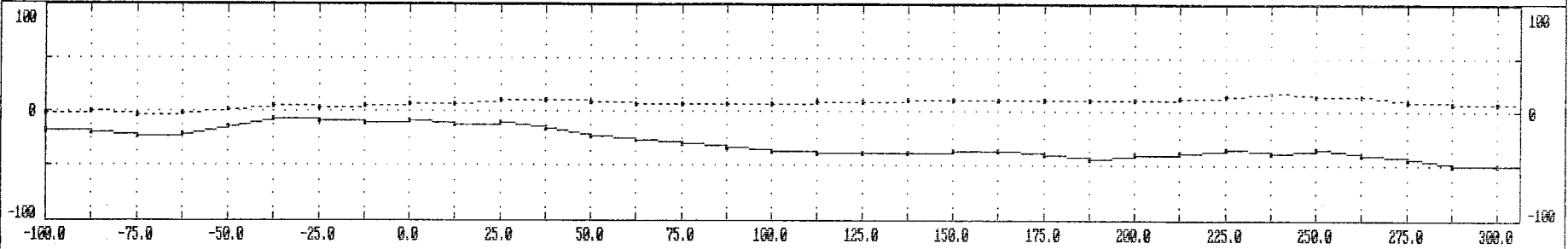


|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |      |      |     |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|------|------|-----|------|------|------|------|------|
| 12.5 | 1.5  | 0.7  | -0.8 | 0.8  | -2.3 | -1.5 | -1.9 | -3.7 | -0.6 | 0.3  | 0.5  | -2.2 | -1.0 | 0.8  | 0.1  | -1.4 | -2.3 | -2.5 | -0.6 | 0.4  | 1.7  | 1.9  | 0.2 | 0.1 | 0.7  | -0.3 | 0.3 | 2.8  | 2.3  | 2.6  | 0.5  | -4.6 |
| 25.0 | 0.2  | 0.4  | 0.4  | -2.7 | -0.6 | -3.3 | -5.0 | -2.8 | -2.4 | -0.4 | -1.8 | -1.3 | -2.2 | -0.9 | 0.0  | -1.5 | -3.6 | -3.1 | -1.6 | 1.2  | 1.9  | 1.4  | 1.8 | 1.0 | 0.3  | 1.3  | 1.5 | 1.1  | 4.5  | 3.4  | -2.0 | -6.7 |
| 37.5 | -0.7 | 0.7  | -1.2 | -0.7 | -4.6 | -4.4 | -4.1 | -3.7 | -2.2 | -5.3 | -1.9 | -0.8 | -0.2 | -2.9 | -3.1 | -2.9 | -2.2 | -2.9 | -1.2 | -0.1 | 1.5  | 3.1  | 2.7 | 0.5 | -1.1 | 0.6  | 2.4 | 4.8  | 3.8  | 0.7  | -4.1 | -3.5 |
| 50.0 | -0.5 | -2.3 | -0.8 | -3.1 | -4.0 | -5.4 | -3.9 | -4.4 | -6.4 | -3.0 | -3.4 | -0.6 | -1.2 | -2.8 | -5.0 | -4.0 | -2.3 | -0.6 | -0.8 | -0.6 | -0.4 | 0.5  | 0.4 | 1.2 | 2.9  | 2.8  | 3.9 | 3.9  | 0.9  | -2.8 | 0.0  | -0.6 |
| 62.5 | -3.2 | -1.8 | -4.2 | -4.7 | -4.2 | -3.4 | -4.7 | -5.6 | -4.9 | -5.0 | -2.5 | -5.0 | -3.1 | -3.3 | -2.5 | -3.6 | -1.5 | -0.8 | -2.3 | -2.8 | -1.8 | -2.1 | 1.2 | 3.8 | 4.8  | 6.9  | 5.2 | 1.6  | -2.1 | -0.9 | -1.2 | -0.5 |
| 75.0 | -2.9 | -5.3 | -5.5 | -4.8 | -3.2 | -3.2 | -5.1 | -5.6 | -4.7 | -4.6 | -6.1 | -4.7 | -6.5 | -3.1 | -3.2 | -2.2 | -3.2 | -2.8 | -1.3 | -1.5 | -2.9 | -0.8 | 2.0 | 5.1 | 7.8  | 7.4  | 4.2 | -1.6 | -1.1 | -0.9 | -1.6 | -0.8 |

# KENA COPPER GRID ULF DATA.

LINE 9000N. 21.4khz.

|       |       |       |       |       |       |      |      |       |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| QZ    | -1.0  | 0.0   | -3.0  | -2.0  | 2.0   | 5.0  | 4.0  | 5.0   | 7.0  | 7.0   | 10.0  | 10.0  | 9.0   | 7.0   | 7.0   | 8.0   | 8.0   | 9.0   | 9.0   | 11.0  | 10.0  | 10.0  | 11.0  | 10.0  | 10.0  | 12.0  | 15.0  | 17.0  | 15.0  | 15.0  | 9.0   | 7.0   | 7.0   | 5.0   |
| Iz    | -17.0 | -19.0 | -22.0 | -21.0 | -14.0 | -7.0 | -9.0 | -10.0 | -9.0 | -12.0 | -10.0 | -15.0 | -22.0 | -27.0 | -30.0 | -33.0 | -37.0 | -38.0 | -39.0 | -39.0 | -37.0 | -36.0 | -41.0 | -43.0 | -41.0 | -38.0 | -35.0 | -38.0 | -35.0 | -40.0 | -43.0 | -49.0 | -49.0 | -52.0 |
| FRELT | 9.0   | 7.0   | -6.0  | -22.0 | -19.0 | -2.0 | 3.0  | 2.0   | 3.0  | 4.0   | 15.0  | 24.0  | 20.0  | 14.0  | 13.0  | 12.0  | 7.0   | 3.0   | -1.0  | -5.0  | 1.0   | 11.0  | 7.0   | -5.0  | -11.0 | -6.0  | 0.0   | 2.0   | 10.0  | 17.0  | 15.0  | 9.0   | 7.0   | 10    |

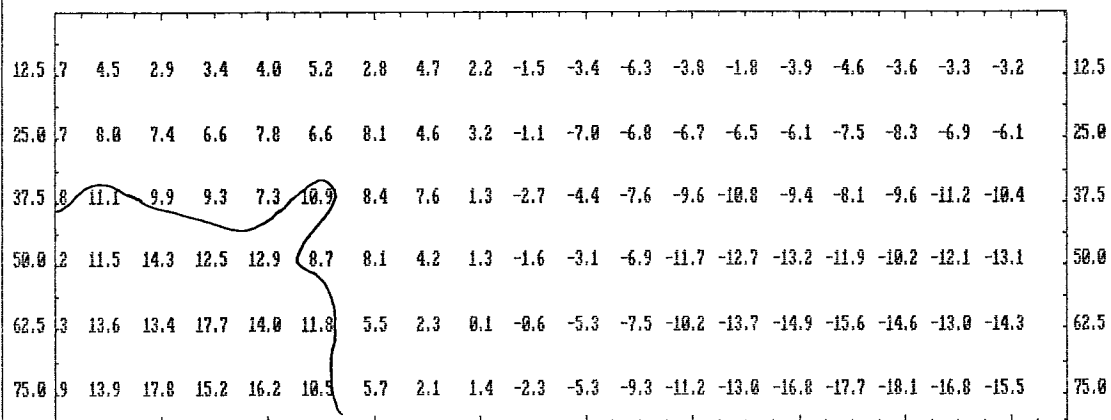
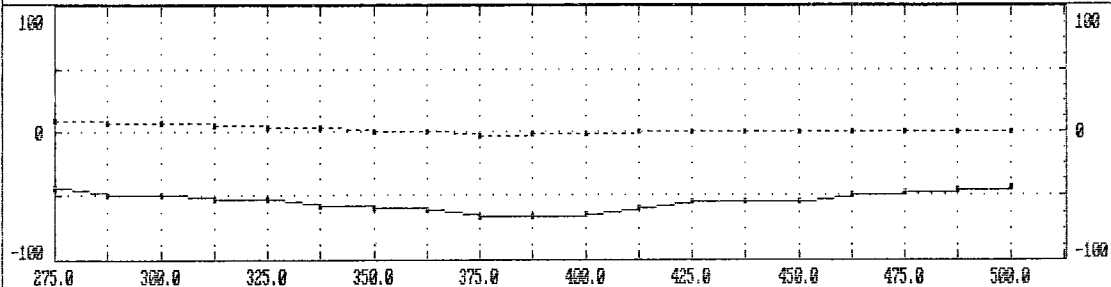


|      |   |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |      |     |     |      |      |      |      |      |     |      |      |      |      |      |
|------|---|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|------|------|------|------|------|-----|------|------|------|------|------|
| 12.5 | 3 | 2.6  | 0.5  | -4.6 | -8.0 | -3.5 | 1.1  | -0.7 | 1.9 | 1.6  | 2.7  | 8.0  | 7.7  | 6.2  | 4.8  | 5.0  | 3.5  | 1.5  | 0.9  | -0.6 | -1.3 | 2.2 | 3.6 | -0.3 | -2.2 | -3.7 | 0.0  | 0.1  | 1.8 | 5.3  | 5.7  | 4.5  | 2.9  | 12.5 |
| 25.0 | 5 | 3.4  | -2.0 | -6.7 | -7.1 | -5.8 | -1.6 | 4.0  | 0.9 | 2.8  | 8.4  | 10.2 | 12.6 | 11.5 | 9.6  | 7.2  | 7.3  | 5.7  | 1.3  | -0.6 | 1.4  | 2.8 | 2.3 | 1.4  | -2.8 | -2.0 | -2.3 | 2.4  | 5.2 | 6.9  | 8.7  | 8.0  | 7.4  | 25.0 |
| 37.5 | 8 | 0.7  | -4.1 | -3.5 | -3.5 | -5.7 | -3.5 | -0.3 | 6.4 | 8.8  | 10.2 | 11.5 | 11.5 | 16.2 | 14.9 | 11.4 | 7.8  | 4.9  | 3.2  | 4.1  | 5.1  | 3.0 | 1.8 | 0.7  | 2.8  | -2.3 | -0.4 | 2.3  | 7.8 | 10.0 | 9.8  | 11.1 | 9.9  | 37.5 |
| 50.0 | 9 | -2.8 | 0.0  | -0.6 | -2.3 | -2.2 | -5.2 | -1.9 | 5.7 | 12.2 | 13.6 | 14.7 | 16.8 | 14.8 | 15.7 | 13.3 | 8.7  | 6.9  | 8.2  | 8.2  | 5.6  | 3.3 | 1.4 | 2.9  | 2.0  | 5.0  | 4.1  | 5.6  | 6.0 | 8.6  | 10.2 | 11.5 | 14.3 | 50.0 |
| 62.5 | 1 | -0.9 | -1.2 | -0.5 | 0.1  | -2.3 | -1.1 | 1.7  | 4.8 | 10.3 | 15.9 | 16.8 | 16.9 | 17.8 | 16.1 | 16.0 | 13.3 | 11.8 | 10.6 | 8.5  | 6.1  | 2.1 | 3.7 | 2.2  | 4.7  | 7.5  | 10.5 | 6.4  | 6.3 | 7.6  | 11.3 | 13.6 | 13.4 | 62.5 |
| 75.0 | 1 | -0.9 | -1.6 | -0.8 | -0.7 | 1.3  | 4.1  | 5.7  | 5.7 | 8.2  | 13.7 | 18.4 | 18.4 | 18.7 | 18.5 | 16.2 | 20.2 | 18.1 | 13.0 | 8.3  | 5.0  | 5.0 | 1.5 | 4.0  | 4.7  | 8.1  | 9.1  | 10.9 | 8.9 | 10.2 | 11.9 | 13.9 | 17.8 | 75.0 |

# KENA COPPER GRID ULF DATA.

LINE 9806N. 21.4khz.

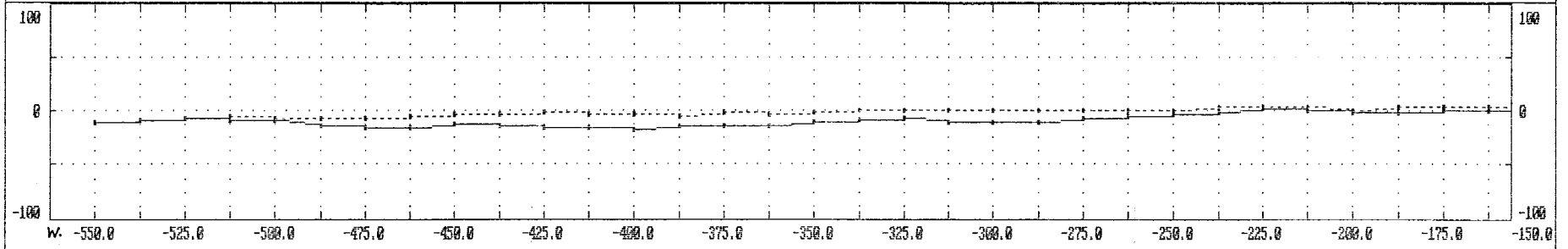
0% 9.0 7.0 7.0 5.0 4.0 4.0 1.0 0.0 -3.0 -2.0 -1.0 0.0 0.0 0.0 0.0 0.0 1.0 1.0  
 1% -43.0 -49.0 -49.0 -52.0 -53.0 -58.0 -60.0 -62.0 -67.0 -66.0 -65.0 -60.0 -55.0 -55.0 -54.0 -50.0 -47.0 -45.0 -43.0  
 FRELT 15.0 9.0 7.0 10.0 13.0 11.0 11.0 11.0 2.0 -8.0 -16.0 -15.0 -6.0 -6.0 -12.0 -12.0 -9.0



# KENA COPPER GRID ULF DATA.

LINE 9906N. 21.4kHz.

|       |       |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |      |      |       |       |       |      |      |      |      |     |     |      |      |      |     |     |
|-------|-------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|-------|-------|-------|------|------|------|------|-----|-----|------|------|------|-----|-----|
| Qz    | -10.0 | -8.0 | -6.0 | -5.0 | -7.0 | -7.0  | -6.0  | -5.0  | -4.0  | -3.0  | -2.0  | -3.0  | -3.0  | -5.0  | -2.0  | -4.0  | -1.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 1.0  | 1.0  | 1.0  | 3.0  | 4.0 | 3.0 | 1.0  | 3.0  | 4.0  | 4.0 | 3.0 |
| Ix    | -10.0 | -8.0 | -6.0 | -8.0 | -8.0 | -13.0 | -15.0 | -15.0 | -12.0 | -14.0 | -16.0 | -16.0 | -17.0 | -14.0 | -14.0 | -13.0 | -10.0 | -9.0 | -7.0 | -10.0 | -10.0 | -10.0 | -7.0 | -5.0 | -3.0 | -2.0 | 2.0 | 0.0 | -1.0 | -2.0 | 1.0  | 0.0 | 1.0 |
| FRFLT |       | -4.0 | 2.0  | 7.0  | 12.0 | 9.0   | -1.0  | -4.0  | 3.0   | 6.0   | 3.0   | -1.0  | -5.0  | -4.0  | -5.0  | -8.0  | -7.0  | -2.0 | 4.0  | 3.0   | -3.0  | -8.0  | -9.0 | -7.0 | -8.0 | -7.0 | 1.0 | 5.0 | 0.0  | -4.0 | -2.0 | 2.0 | 7   |



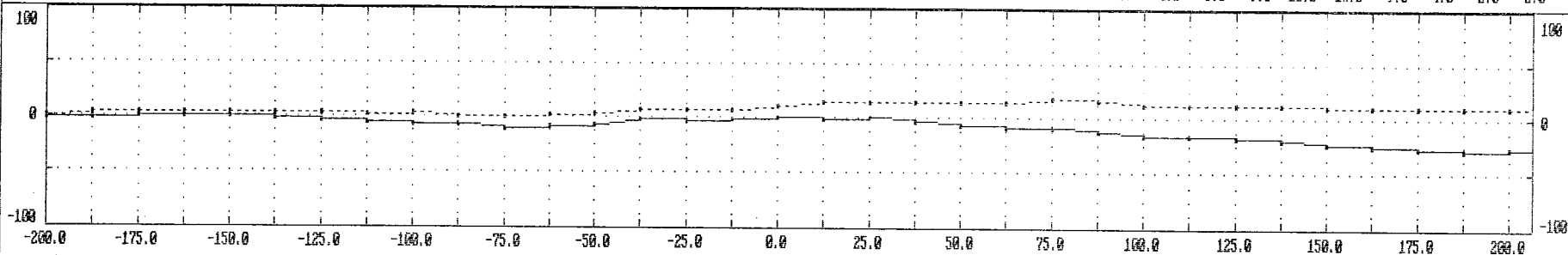
|      |      |      |      |     |     |     |     |      |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |      |
|------|------|------|------|-----|-----|-----|-----|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|------|
| 12.5 | -1.7 | -2.3 | 0.3  | 1.3 | 3.0 | 4.1 | 1.5 | -0.9 | -0.3 | 2.4 | 0.7  | 0.8  | -1.1 | -2.1 | -0.9 | -3.0 | -2.2 | -1.9 | 0.3  | 1.3  | -0.4 | -1.8 | -3.2 | -3.0 | -2.2 | -3.1 | -1.3 | 1.3  | 0.9  | -1.0 | -0.8 | 0.3 | 12.5 |
| 25.0 | -1.2 | -1.2 | -0.9 | 3.1 | 5.5 | 4.0 | 2.4 | 0.7  | 0.8  | 1.0 | 3.1  | -0.3 | -1.8 | -1.9 | -3.6 | -2.9 | -4.4 | -2.6 | -1.0 | -0.2 | -1.2 | -3.7 | -4.3 | -4.6 | -5.3 | -3.4 | -1.8 | -0.5 | 0.5  | 0.0  | -1.2 | 0.2 | 25.0 |
| 37.5 | 0.4  | -0.2 | 2.0  | 3.7 | 4.4 | 3.8 | 3.4 | 4.1  | 1.0  | 0.5 | -0.5 | 1.8  | 0.1  | -3.2 | -4.6 | -6.6 | -3.0 | -3.0 | -2.3 | -2.5 | -2.7 | -3.3 | -5.4 | -7.8 | -6.3 | -3.4 | -1.4 | -1.9 | -1.3 | 0.6  | 0.8  | 1.3 | 37.5 |
| 50.0 | 1.9  | 3.4  | 3.6  | 2.7 | 1.4 | 3.6 | 5.6 | 4.8  | 5.3  | 0.6 | -0.9 | -1.9 | -2.0 | -3.2 | -5.4 | -3.6 | -4.1 | -2.7 | -4.5 | -5.1 | -4.3 | -4.4 | -5.4 | -6.0 | -5.5 | -4.8 | -4.7 | -2.9 | -2.4 | -0.6 | 2.8  | 1.8 | 50.0 |
| 62.5 | 5.0  | 5.0  | 4.1  | 1.5 | 2.2 | 4.0 | 5.3 | 6.7  | 3.7  | 3.3 | -0.4 | -3.9 | -4.3 | -3.5 | -2.9 | -3.8 | -3.2 | -5.4 | -5.0 | -5.9 | -6.0 | -6.7 | -4.8 | -2.9 | -4.4 | -6.7 | -6.9 | -5.8 | -3.1 | -0.8 | 0.7  | 3.9 | 62.5 |
| 75.0 | 6.5  | 6.1  | 3.7  | 4.0 | 4.2 | 3.3 | 4.4 | 3.5  | 4.2  | 2.7 | 1.2  | -2.0 | -4.7 | -3.1 | -1.5 | -2.5 | -5.2 | -6.2 | -7.3 | -5.9 | -7.8 | -6.5 | -4.5 | -4.5 | -5.1 | -6.5 | -7.2 | -5.6 | -3.2 | -0.8 | 0.9  | 2.8 | 75.0 |



# KENA COPPER GRID ULF DATA.

LINE 9900N. 21.4kHz.

|       |      |      |      |     |     |      |      |      |      |      |       |       |       |      |      |      |      |      |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |
|-------|------|------|------|-----|-----|------|------|------|------|------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| QZ    | 1.0  | 3.0  | 4.0  | 4.0 | 3.0 | 3.0  | 3.0  | 2.0  | 3.0  | 1.0  | 0.0   | 2.0   | 4.0   | 7.0  | 8.0  | 8.0  | 10.0 | 14.0 | 15.0 | 14.0 | 15.0 | 15.0 | 17.0 | 16.0  | 13.0  | 13.0  | 12.0  | 13.0  | 11.0  | 11.0  | 10.0  | 11.0  | 11.0  | 14.0  |
| IX    | -1.0 | -2.0 | 1.0  | 0.0 | 1.0 | -2.0 | -4.0 | -5.0 | -6.0 | -7.0 | -10.0 | -9.0  | -6.0  | -1.0 | -3.0 | -2.0 | 0.0  | -1.0 | 1.0  | -4.0 | -7.0 | -9.0 | -9.0 | -12.0 | -16.0 | -15.0 | -17.0 | -19.0 | -22.0 | -24.0 | -27.0 | -28.0 | -27.0 | -26.6 |
| FRFLT | 0.0  | -4.0 | -2.0 | 2.0 | 7.0 | 8.0  | 5.0  | 4.0  | 6.0  | 6.0  | -2.0  | -12.0 | -11.0 | -2.0 | -2.0 | -4.0 | -2.0 | 2.0  | 11.0 | 13.0 | 7.0  | 5.0  | 10.0 | 10.0  | 4.0   | 5.0   | 9.0   | 10.0  | 10.0  | 9.0   | 4.0   | -2.0  | -2.0  | 2     |

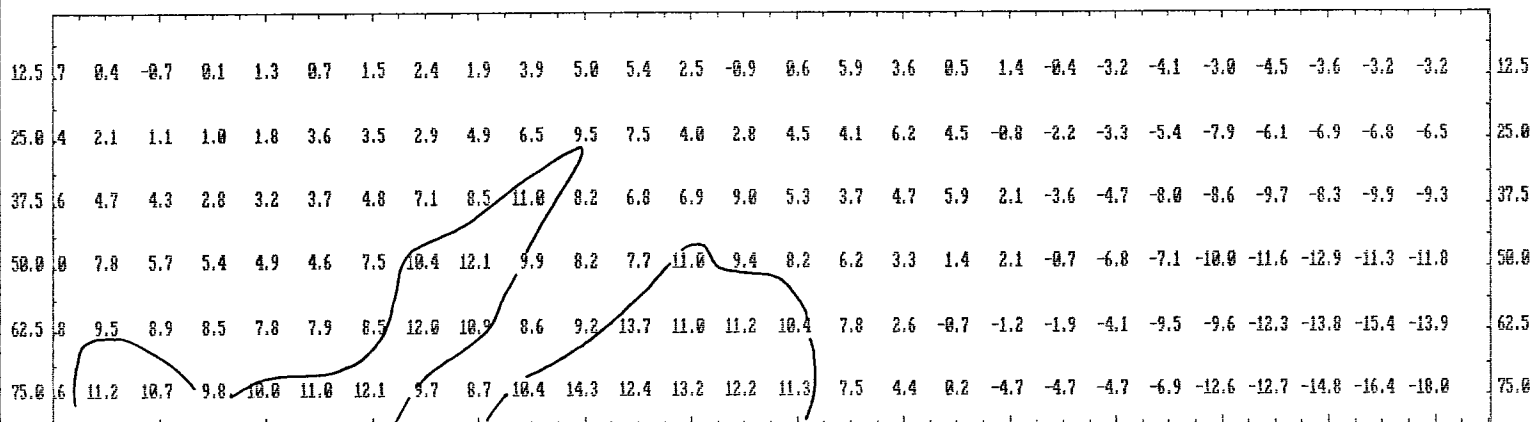
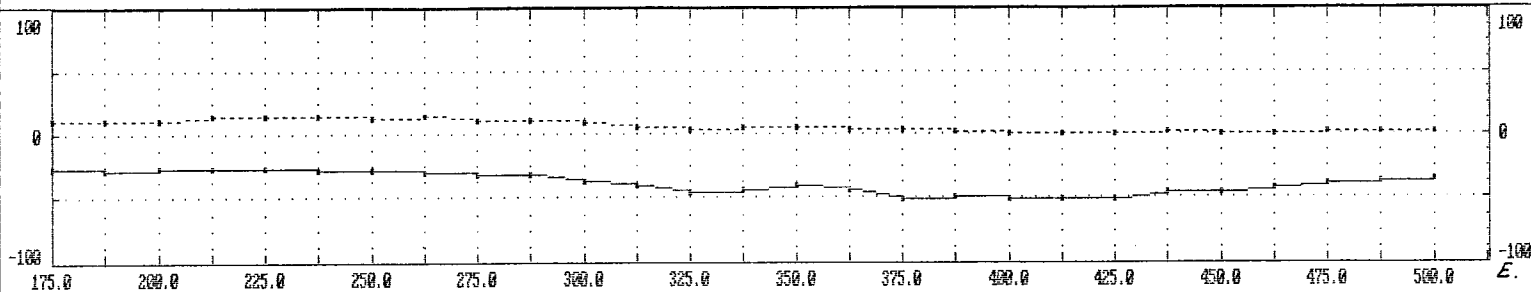


|      |   |      |      |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |     |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |
|------|---|------|------|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|------|------|------|------|------|------|------|------|------|------|-----|------|------|------|
| 12.5 | 9 | -1.0 | -0.8 | 0.3 | 1.1 | 3.2 | 2.0 | 1.9 | 1.5 | 2.2 | 0.7  | -2.2 | -4.6 | -2.3 | 0.1  | -2.4 | 0.0  | -0.3 | 2.0 | 4.9 | 3.3  | 2.4  | 2.3  | 4.6  | 2.2  | 1.5  | 3.1  | 3.4  | 3.5  | 3.3  | 2.7 | 0.4  | -0.7 | 12.5 |
| 25.0 | 5 | 0.0  | -1.2 | 0.2 | 3.7 | 3.4 | 3.8 | 2.2 | 3.4 | 2.5 | 0.2  | -3.3 | -4.1 | -3.7 | -2.6 | 0.5  | -2.4 | 1.0  | 4.6 | 5.3 | 6.1  | 5.4  | 6.2  | 4.8  | 6.5  | 5.5  | 4.3  | 5.8  | 6.8  | 6.0  | 3.4 | 2.1  | 1.1  | 25.0 |
| 37.5 | 3 | 0.6  | 0.8  | 1.3 | 0.6 | 3.4 | 3.6 | 6.4 | 3.8 | 0.8 | -2.1 | -0.8 | -1.6 | -4.5 | -3.5 | -2.8 | 2.8  | 3.2  | 4.6 | 5.4 | 6.9  | 10.7 | 7.6  | 6.7  | 6.4  | 8.6  | 8.3  | 0.1  | 8.9  | 7.1  | 5.6 | 4.7  | 4.3  | 37.5 |
| 50.0 | 4 | -0.6 | 2.8  | 1.8 | 1.6 | 1.9 | 5.1 | 4.8 | 4.4 | 0.2 | 0.6  | -0.7 | -2.3 | -2.5 | -4.6 | -1.3 | 2.3  | 6.3  | 5.3 | 7.4 | 10.2 | 8.4  | 10.4 | 8.8  | 9.1  | 9.9  | 11.3 | 10.6 | 8.6  | 8.9  | 9.0 | 7.8  | 5.7  | 50.0 |
| 62.5 | 1 | -0.8 | 0.7  | 3.9 | 3.7 | 5.2 | 4.0 | 3.9 | 0.7 | 2.9 | 0.7  | -1.2 | -1.1 | -2.2 | -0.2 | 0.2  | 1.9  | 3.7  | 7.9 | 9.1 | 8.9  | 10.9 | 11.4 | 14.0 | 12.4 | 12.3 | 12.2 | 12.4 | 10.3 | 0.4  | 9.8 | 9.5  | 8.9  | 62.5 |
| 75.0 | 2 | -0.8 | 0.9  | 2.8 | 6.8 | 5.5 | 3.9 | 0.1 | 3.0 | 1.6 | 1.1  | 0.2  | -1.7 | 1.0  | 1.9  | 2.4  | 1.0  | 3.2  | 7.0 | 9.4 | 9.9  | 11.7 | 15.1 | 15.7 | 10.6 | 15.6 | 13.1 | 11.4 | 12.2 | 10.0 | 8.6 | 11.2 | 10.7 | 75.0 |

# KENA COPPER GRID ULF DATA.

LINE 9900N. 21.4khz.

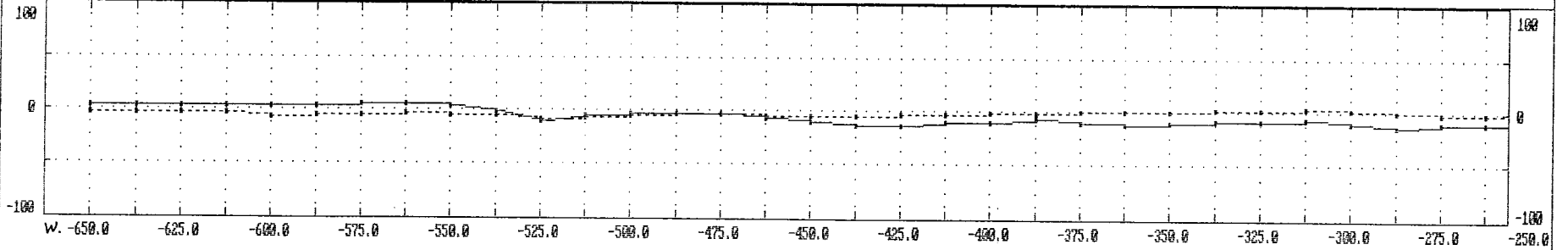
|       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Q%    | 10.0  | 11.0  | 11.0  | 14.0  | 14.0  | 14.0  | 12.0  | 14.0  | 11.0  | 10.0  | 9.0   | 5.0   | 3.0   | 5.0   | 6.0   | 4.0   | 3.0   | 2.0   | 0.0   | 0.0   | 0.0   | 2.0   | 1.0   | 1.0   | 2.0   | 2.0   | 2.0   |
| I%    | -27.0 | -28.0 | -27.0 | -26.0 | -27.0 | -28.0 | -28.0 | -30.0 | -31.0 | -32.0 | -36.0 | -40.0 | -45.0 | -43.0 | -41.0 | -43.0 | -51.0 | -49.0 | -51.0 | -51.0 | -51.0 | -46.0 | -45.0 | -42.0 | -39.0 | -37.0 | -35.0 |
| FRELT | 4.0   | -2.0  | -2.0  | 2.0   | 3.0   | 3.0   | 5.0   | 5.0   | 7.0   | 13.0  | 17.0  | 12.0  | -1.0  | -4.0  | 10.0  | 16.0  | 6.0   | 2.0   | 2.0   | -5.0  | -11.0 | -10.0 | -10.0 | -11.0 | -9.0  |       |       |



# KENA COPPER GRID ULF DATA.

LINE 10000N. 21.4khz.

|       |      |      |      |      |      |      |      |      |      |      |       |      |      |      |      |      |       |       |       |       |       |      |       |       |       |      |      |      |       |       |       |       |      |
|-------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|-------|-------|-------|-------|-------|------|-------|-------|-------|------|------|------|-------|-------|-------|-------|------|
| Q%    | -4.0 | -4.0 | -4.0 | -4.0 | -6.0 | -5.0 | -5.0 | -3.0 | -5.0 | -5.0 | -9.0  | -6.0 | -5.0 | -4.0 | -4.0 | -5.0 | -5.0  | -5.0  | -4.0  | -3.0  | -2.0  | -1.0 | 0.0   | 0.0   | 0.0   | 2.0  | 2.0  | 3.0  | 2.0   | 0.0   | -1.0  | -1.0  | -1.0 |
| I%    | 4.0  | 4.0  | 3.0  | 4.0  | 3.0  | 3.0  | 5.0  | 6.0  | 4.0  | -1.0 | -11.0 | -5.0 | -3.0 | -3.0 | -4.0 | -7.0 | -11.0 | -13.0 | -14.0 | -11.0 | -10.0 | -7.0 | -10.0 | -12.0 | -10.0 | -8.0 | -8.0 | -7.0 | -11.0 | -13.0 | -10.0 | -11.0 | -8.0 |
| FRELT | 1.0  | 0.0  | 1.0  | -1.0 | -5.0 | -2.0 | 8.0  | 22.0 | 19.0 | -4.0 | -10.0 | -1.0 | 5.0  | 11.0 | 13.0 | 9.0  | 1.0   | -6.0  | -8.0  | -4.0  | 5.0   | 5.0  | -4.0  | -6.0  | -3.0  | 2.0  | 9.0  | 5.0  | -3.0  | -4.0  | -7.0  | -6.0  |      |

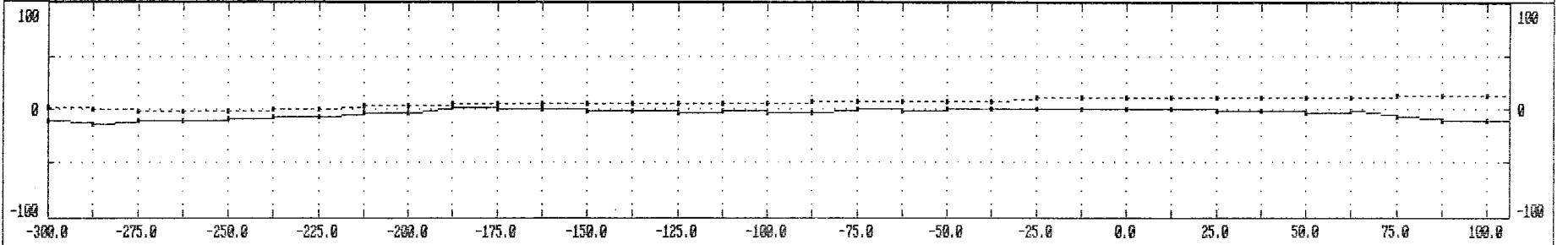


|      |     |      |      |      |      |      |      |     |     |     |     |      |      |      |     |     |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|-----|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|-----|-----|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 12.5 | 0.0 | 0.7  | 0.1  | -0.2 | 0.5  | -1.1 | -1.1 | 1.8 | 3.8 | 8.6 | 2.7 | -3.8 | -0.1 | 0.4  | 2.6 | 4.5 | 3.6  | 2.1 | -1.1 | -2.0 | -2.1 | -0.5 | 2.5  | -0.3 | -2.1 | -0.7 | -0.5 | 1.4  | 3.6  | -0.8 | -1.0 | -1.1 | 12.5 |
| 25.0 | 0.4 | -0.2 | 0.6  | 1.2  | 0.4  | -0.5 | -0.7 | 2.4 | 9.3 | 6.9 | 4.8 | 2.0  | -2.9 | 2.1  | 5.7 | 5.9 | 5.1  | 2.7 | -0.2 | -3.2 | -1.8 | 0.9  | 0.4  | 0.8  | -1.6 | -3.2 | 0.4  | 2.8  | 0.9  | 1.4  | -2.3 | -4.7 | 25.0 |
| 37.5 | 0.4 | 2.1  | 1.5  | -0.2 | -1.3 | -0.3 | 3.5  | 9.0 | 5.8 | 5.7 | 5.8 | 4.9  | 3.4  | 0.3  | 5.2 | 7.3 | 6.0  | 4.2 | 0.2  | -0.9 | 0.0  | -1.5 | -0.9 | -0.7 | 0.1  | 0.2  | -0.3 | -1.1 | 0.5  | -0.5 | -1.0 | -2.6 | 37.5 |
| 50.0 | 1.0 | 0.8  | -0.7 | -0.5 | 1.0  | 4.1  | 9.2  | 5.9 | 3.9 | 3.5 | 5.5 | 8.1  | 9.1  | 7.4  | 1.9 | 3.4 | 4.5  | 3.5 | 5.1  | 4.4  | 0.2  | -2.9 | -4.1 | -2.7 | 0.7  | 3.3  | 0.0  | -0.9 | -1.7 | -1.8 | -1.1 | -2.4 | 50.0 |
| 62.5 | 0.4 | 0.1  | 0.0  | 1.3  | 3.8  | 9.1  | 5.2  | 3.7 | 4.4 | 4.4 | 6.0 | 9.5  | 11.0 | 10.7 | 6.6 | 0.2 | 1.9  | 4.3 | 5.2  | 3.7  | 1.2  | -1.2 | -3.3 | -1.5 | 0.7  | -0.8 | 2.3  | -0.2 | -2.6 | -1.0 | -2.7 | -3.6 | 62.5 |
| 75.0 | 0.3 | -0.5 | 0.6  | 3.0  | 8.8  | 5.6  | 4.2  | 4.1 | 4.2 | 6.5 | 8.5 | 9.7  | 11.2 | 10.3 | 8.4 | 3.7 | -0.3 | 3.7 | 3.8  | 2.0  | 1.8  | 0.0  | 0.6  | 0.5  | -1.4 | 1.1  | -0.1 | 0.1  | -2.2 | -4.7 | -3.6 | -5.4 | 75.0 |

# KENA COPPER GRID ULF DATA.

LINE 10000N. 21.4kHz.

|       |       |       |       |       |      |      |      |      |      |      |     |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |       |       |
|-------|-------|-------|-------|-------|------|------|------|------|------|------|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| Q%    | 2.0   | 0.0   | -1.0  | -1.0  | -1.0 | 1.0  | 1.0  | 4.0  | 4.0  | 5.0  | 6.0 | 6.0 | 6.0  | 5.0  | 6.0  | 5.0  | 5.0  | 7.0  | 7.0  | 8.0  | 7.0  | 8.0  | 10.0 | 11.0 | 10.0 | 11.0 | 11.0 | 10.0 | 11.0 | 12.0 | 13.0 | 13.0  | 13.0  |       |
| I%    | -11.0 | -13.0 | -10.0 | -11.0 | -8.0 | -6.0 | -7.0 | -3.0 | -3.0 | 2.0  | 0.0 | 1.0 | -1.0 | -1.0 | -3.0 | -2.0 | -4.0 | -3.0 | 0.0  | -1.0 | 0.0  | 0.0  | 1.0  | 0.0  | 0.0  | 0.0  | -2.0 | -2.0 | -3.0 | -1.0 | -6.0 | -10.0 | -11.0 | -11.0 |
| FRFLT | 5.0   | -3.0  | -4.0  | -7.0  | -6.0 | -4.0 | -7.0 | -9.0 | -8.0 | -2.0 | 2.0 | 3.0 | 4.0  | 3.0  | 2.0  | 2.0  | -3.0 | -6.0 | -2.0 | -1.0 | -2.0 | -1.0 | 1.0  | 1.0  | 2.0  | 4.0  | 3.0  | 0.0  | 2.0  | 12.0 | 14.0 | 6.0   | 3.0   | 7     |



|      |   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |      |      |      |      |      |      |
|------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|
| 12.5 | 6 | -0.8 | -1.0 | -1.1 | -3.6 | -0.8 | -2.7 | -2.6 | -3.1 | -2.1 | 0.5  | 0.4  | 1.4  | 1.4  | 0.8  | 0.3  | 0.7  | -2.5 | -1.1 | -0.3 | -0.8 | -0.5 | -0.1 | 0.8  | 0.0 | 1.4 | 1.0 | 1.1 | 0.2  | 2.1  | 5.5  | 3.2  | 1.7  | 12.5 |
| 25.0 | 9 | 1.4  | -2.3 | -4.7 | -2.0 | -4.4 | -3.2 | -5.0 | -4.2 | -2.9 | -1.3 | 1.4  | 0.9  | 1.2  | 1.4  | 1.2  | -1.7 | -0.4 | -2.1 | -1.7 | -0.4 | -0.4 | -0.2 | -0.3 | 2.1 | 2.0 | 2.4 | 1.1 | 3.0  | 5.5  | 5.7  | 7.1  | 5.4  | 25.0 |
| 37.5 | 5 | -0.5 | -1.0 | -2.6 | -6.3 | -4.2 | -7.3 | -4.2 | -3.9 | -4.0 | -2.1 | -0.8 | 1.5  | 1.4  | 1.8  | -1.4 | -0.2 | -1.0 | -0.7 | -2.4 | -1.4 | 0.5  | 0.4  | 2.1  | 1.7 | 2.6 | 1.2 | 4.6 | 7.0  | 6.7  | 6.5  | 7.3  | 9.9  | 37.5 |
| 50.0 | 7 | -1.8 | -1.1 | -2.4 | -4.6 | -8.4 | -6.3 | -7.6 | -4.5 | -3.0 | -2.6 | -0.7 | -0.1 | 1.8  | -0.3 | 0.4  | -0.9 | -1.2 | -2.5 | -0.6 | -1.5 | -0.4 | 2.3  | 1.8  | 3.0 | 2.3 | 5.4 | 7.1 | 7.7  | 7.4  | 7.7  | 9.5  | 9.8  | 50.0 |
| 62.5 | 6 | -1.0 | -2.7 | -3.6 | -5.9 | -7.0 | -8.6 | -5.9 | -5.9 | -3.5 | -2.8 | -1.7 | 0.0  | -1.5 | 1.5  | -0.2 | 0.5  | -1.0 | -0.6 | -1.4 | -0.5 | -0.6 | 0.9  | 3.3  | 2.2 | 5.5 | 7.7 | 8.5 | 7.9  | 8.6  | 10.3 | 10.9 | 13.7 | 62.5 |
| 75.0 | 2 | -4.7 | -3.6 | -5.4 | -4.6 | -5.0 | -6.1 | -7.4 | -4.6 | -5.5 | -2.4 | -1.9 | -3.7 | -0.6 | -1.1 | 2.0  | 0.2  | 1.0  | 0.2  | 0.0  | 0.5  | 0.7  | 0.8  | 0.1  | 4.7 | 6.7 | 7.6 | 8.3 | 10.4 | 11.7 | 12.5 | 15.3 | 15.3 | 75.0 |

# KENA COPPER GRID ULF DATA.

LINE 10000N. 21.4khz.

|       |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Q%    | 12.0 | 13.0  | 13.0  | 13.0  | 13.0  | 11.0  | 11.0  | 9.0   | 9.0   | 9.0   | 8.0   | 8.0   | 9.0   | 8.0   | 9.0   | 8.0   | 3.0   | 5.0   | 6.0   | 7.0   | 6.0   | 5.0   | 5.0   | 3.0   | 2.0   | 1.0   | 2.0   |
| I%    | -6.0 | -10.0 | -11.0 | -11.0 | -13.0 | -16.0 | -18.0 | -23.0 | -25.0 | -25.0 | -29.0 | -28.0 | -30.0 | -32.0 | -30.0 | -32.0 | -39.0 | -40.0 | -42.0 | -42.0 | -44.0 | -46.0 | -45.0 | -47.0 | -50.0 | -50.0 | -52.0 |
| FRFLI | 14.0 | 6.0   | 3.0   | 7.0   | 10.0  | 12.0  | 14.0  | 9.0   | 6.0   | 7.0   | 4.0   | 5.0   | 4.0   | 0.0   | 9.0   | 17.0  | 11.0  | 5.0   | 4.0   | 6.0   | 5.0   | 2.0   | 6.0   | 8.0   | 5.0   |       |       |

