	NEC CONIL SAM - Frontiesia
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Mr. Ian Pirie Minnova Inc.	MAR 6 1990
4th Floor 311 Water Street Vancouver, B.C. V6B 1B8	Ansid

## Re: C-1235 - HLEM Data Processing

Dear Ian:

Enclosed please find two maps at a scale of 1:7500 of the HLEM data from the 1777 Hz datasets of the Rea Gold and Kamad Option grids. The postings are from the original dataset and the contours are of the ratio R calculated as follows:

R	=	ABS	Inphase (1777 Hz) Quadrature (1777 Hz)	x	С
R	=	ABS	Quadrature (1777 Hz) Inphase (1777 Hz)	x	C

The letter of January 12 further defines the ratios.

Also enclosed are the RTI plots for the same datasets. The background colour is again taken as blue with the blue/green cutoff at approximately 10.

The figures represent the same calculated ratios as found in the letter of January 16.

IP	(444 Hz)	-	good bedrock conductors
Q IP	(1777 Hz)	-	good bedrock conductors
Q Q	(1777 Hz)	-	Genie equivalent
Q	(444 Hz) (444 Hz)	-	weak bedrock conductors
IP Q	(1777 Hz)	-	weak bedrock conductors
		IP       (444 Hz)         Q       (1777 Hz)         Q       (1777 Hz)         Q       (444 Hz)         Q       (444 Hz)         Q       (444 Hz)         IP       (444 Hz)         IP       (1777 Hz)	$\frac{IP}{Q} = (444 \text{ Hz}) - Q$ $\frac{IP}{Q} = (1777 \text{ Hz}) - Q$ $Q = (1777 \text{ Hz}) - Q$ $Q = (444 \text{ Hz}) - Q$ $IP = Q$ $Q = (1777 \text{ Hz}) - IP$ $Q = (1777 \text{ Hz}) - IP$

Yours truly,

MPH CONSULTING LIMITED

state ord

Jonathan Rudd, B.Sc.E Geophysicist

JR/lds

Encl.



FIGURE 1: Inphase/Quadrature at 444Hz



FIGURE 2: Inphase/Quadrature at 1777 Hz



FIGURE 3: Quadrature (1777Hz)/Quadrature (444Hz)







FIGURE 5: Quadrature/Inphase at 1777 Hz



This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference

1800 NORTH 1600 NORTH 1400 NORTH 1200 NORTH 1000 NORTH 800 NORTH 600 NORTH 400 NORTH 200 NORTH BASE LINE 200 SOUTH 400 SOUTH 600 SOUTH 800 SOUTH 1000 SOUTH

MES 1700

WEST

600

WES



200 NORTH

1800 NORTH

1600 NORTH

1400 NORTH

1200 NORTH

1000 NORTH

800 NORTH

600 NORTH

400 NORTH

BASE LINE

200 SOUTH

400 SOUTH

600 SOUTH

800 SOUTH

1000 SOUTH

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