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HERA RESOURCES INC.

Geophysical Report
on the
Rey Lake Property
Nicola Mining Division, British Columbia

N. Latitude: 50° 20' W. Longitude: 120° 42'

NTS 921/7E

by
Marvin Falk, B.Sc.

Dated April 19, 1993

Strato Geological Engineering Ltd.
3566 King George Highway
Surrey, B.C. V4P 1B5

FILMED

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

22,900



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1.0 INTRODUCTION

This report describes an Induced Polarization/Resistivity program performed by Strato Geological Engineering Ltd. for Hera Resources Inc. between February 15 and April 9, 1993 on a property in the Rey Lake area north of Merritt, B.C.

The program's goal was to delineate and detail the extent of previous known anomalies and to investigate for additional geophysical anomalies. Information from this work will be used in part to assist in drill hole site selection for the next phase of exploration.

1.1 Property and Ownership

The property was staked by Mr. William F. Petrie of Merritt when the claim area became open over the period 1988-1990.

An option was subsequently entered into with Hera Resources Inc. to further explore the claim holdings.

The 100 claim units are as follows:

Claim Name	Units	Record Number	Expiry Date
Blue Jay	20	237536	June 4, 1993
Blue Jay 1	2	237657	August 10, 1993
Blue Jay 2	4	237558	August 9, 1993
Blue Jay 3	16	237559	August 9, 1993
Blue Jay 4	20	237560	August 10, 1993
Blue Jay 5	4	237561	August 11, 1993
Blue Jay 6	6	306336	November 15, 1993
Blue Jay 7	12	310104	June 14, 1993
Lucky Mike	12	237094	April 16, 1995
Old Alameada 8	1	236952	January 23, 1995
Old Alameada 9	1	236953	January 23, 1995
Old Alameada	1	236954	January 23, 1995
Old Alameada 1	1	236955	January 23, 1995

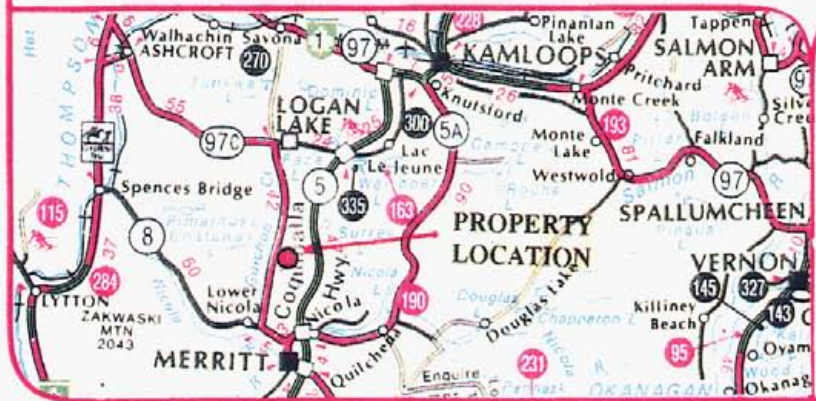
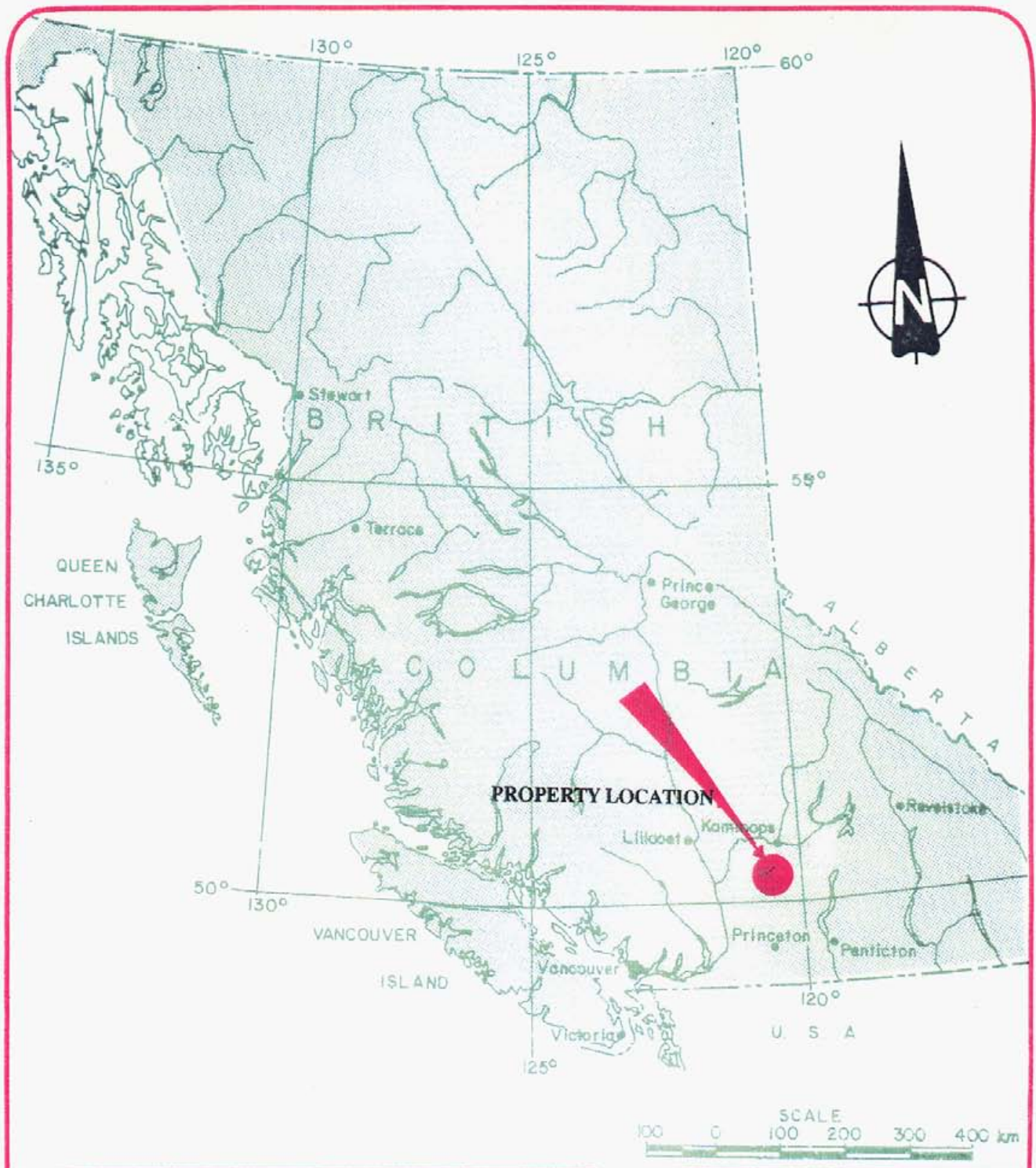


Figure 1

HERA RESOURCES INC.

REY LAKE PROPERTY
Nicola, M.D. NTS 92 I/7

PROPERTY LOCATION MAP

To accompany a report by:
Marvin Falk
April, 1993



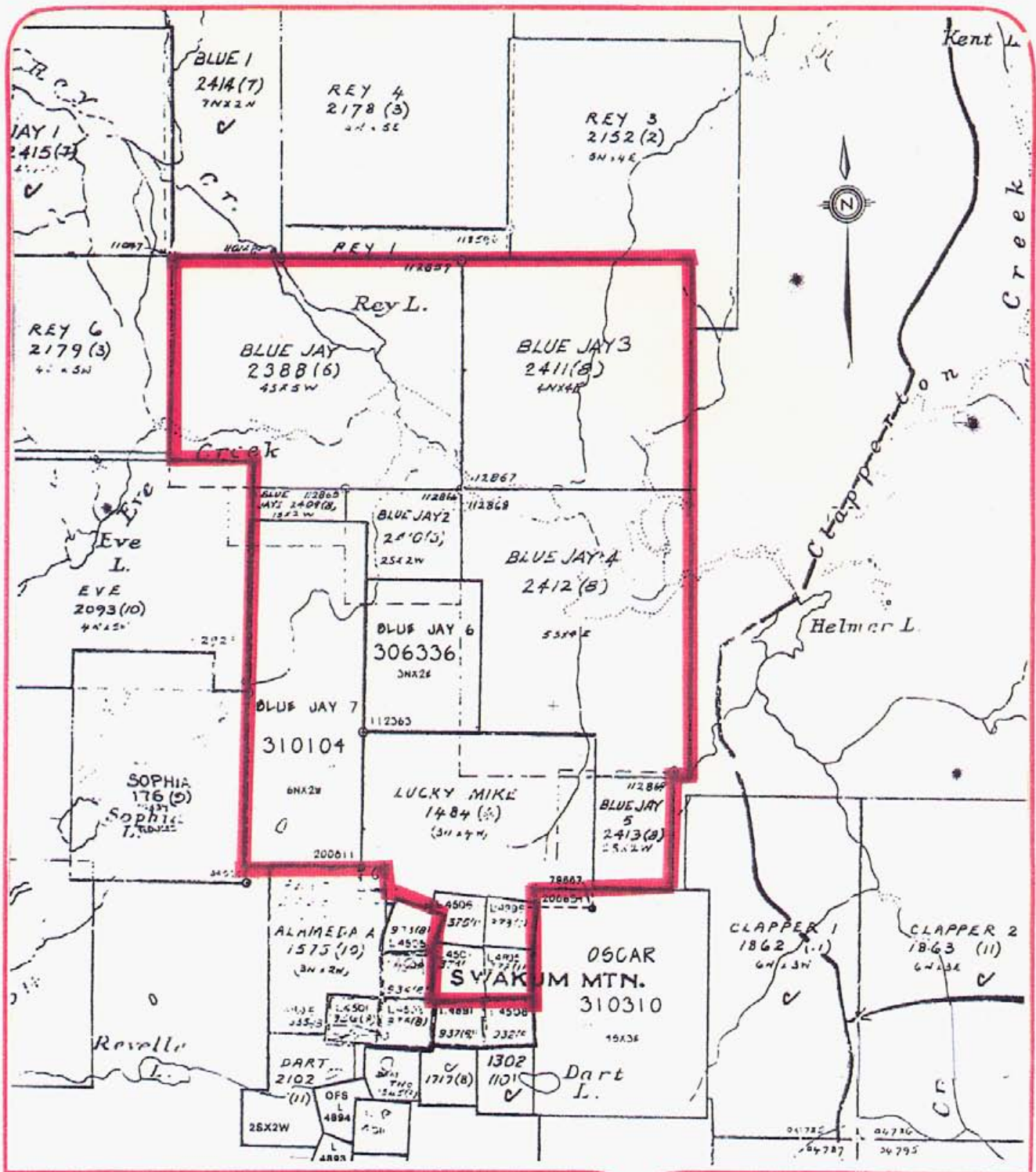
1.2 Location, Access and Physiography

The Blue Jay property is located in gently rolling hills between Highway 97C and the Coquihalla Highway approximately 26 kilometers north of Merritt. Rey Lake, at the northern end of the property, is located at Latitude 50° 20'N, Longitude 120° 42'W, on the 92-1/7E map sheet.

Access by vehicle is from Merritt west over Highway 8/97C approximately 5 kilometers west-northwest to the Logan Lake turnoff on 97C. From there it is 28 kilometers north on 97C to the Rey Lake road. The Rey Lake road continues as a dirt 2-wheel drive road 7.5 kilometers east-southeast where it forks. The right fork was used during this program. It continues another 5 kilometers to the southeast and provides access to portions of the Blue Jay, Blue Jay 1, and Blue Jay 2 claims. Short logging spurs provide additional access. A 4-wheel drive is recommended for this area because of local washouts and mud holes.

The left fork at 7.5 kilometers continues east 8 kilometers across the Blue Jay and Blue Jay 3 claims to Helmer Lake. From Helmer Lake, good active logging roads and spurs provide access to the Blue Jay 4, Blue Jay 5, Lucky Mike and the Alameda claims. The Helmer Lake logging road continues southerly as the Swakum Mountain Road 34 kilometers to Merritt.

The claims vary in elevation from 1,220 meters on the north to 1,723 meters at Swakum Mountain on the south. The claims are mostly covered with pine and spruce forest that has been approximately 40 per cent logged in the last 20 years. A belt one kilometer wide trending from the northwest to the southeast from Rey Lake to Helmer Lake is covered by lakes, marshes and swamps. Additional small bogs and swamps are common in the forested areas on the remainder of the property.



After: Department of Mines & Petroleum Resources
 Victoria, B.C. Claim Map, Sheet M 921/7E

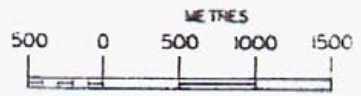


Figure 2

HERA RESOURCES INC.

REY LAKE PROPERTY
 Nicola, M.D. NTS 92 1/7

CLAIM MAP

To accompany a report by:
 Marvin Falk
 April, 1993



1.3 History of the Property

Exploration of the claim area has been in progress since the early 1900's with most work centered on the Swakum Mountain mineral occurrences of scheelite, galena, sphalerite and chalcopyrite.

Asarco conducted the most extensive investigation of the Rey Lake porphyry copper mineralization over the years 1972-73 with a program of geophysics and drilling of 86 percussion holes and 17 diamond drill holes around Rey Lake to test several geophysical anomalies. Subsequently, Craigmont Mines Ltd. drilled 10 diamond drill holes in 1974-75 to test mineral potential beneath Rey Lake and the swamp areas. Later, Tracer Resources Corp. and International Santana Ltd. held brief options on the claims. The claims were dropped and were re-staked by William Petrie over the years 1988-1990.

In July, 1991 a preliminary I.P. program was carried out by Strato Geological Engineering Ltd. for Hera Resources Inc.

2.0 GEOLOGY

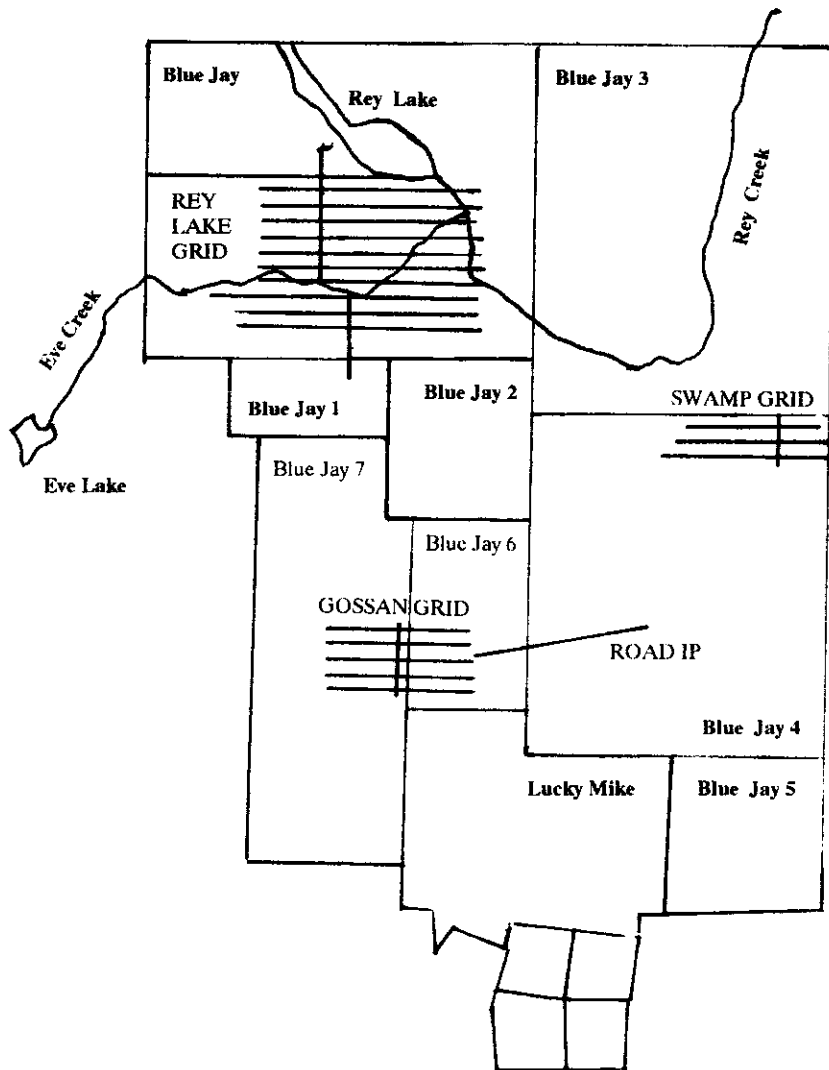
Bedrock exposures on the Blue Jay claims are rare (< 0.1%) and usually less than 10 meters in diameter. Triassic age Nicola Group intermediate to mafic composition volcanics and volcanoclastics are most common, although a biotite quartz monzonite stock of 67 m.y. age is found in drill core and outcrop north and southeast of Rey Lake.

Mineralization found on the Blue Jay claims occurs as disseminations, stockwork veinlets and skarns in the Nicola Group rocks near the quartz monzonite stock. The primary sulfide present is pyrite, but significant copper and molybdenum values also occur. This mineralization was the target of the IP/Resistivity survey.

3.0 GEOPHYSICS

A total of 27 kilometers of Induced Polarization (I.P.)/Resistivity survey was conducted over three survey grids and one road survey. A total of 4.9 km of the survey was conducted with a dipole spacing of 100 meters while the rest was conducted with a fifty meter dipole spacing. All grid survey lines run east-west with line spacing of 100 meters within each grid area. The location of the I.P. surveys is shown in Figure 3.

The survey used the 7.5 KW Huntec Mark IV transmitter system and the Huntec Mark IV receiver. The electrode configuration was a dipole-dipole type. Time domain I.P. measurements were made, so chargeability and apparent resistivity values were obtained for values of $n= 1$ to 6, in general. Also an adjusted metal factor value was calculated for each survey point for most of the survey lines. The metal factor value was obtained by multiplying the chargeability (M) value by the apparent resistivity (ρ_a) value and dividing the product by one hundred. The metal factor value accounts for the fact that the I.P. effect varies with the effective resistivity of the host rock. All of the values are displayed on pseudo-section plots of each survey line. Also, the chargeability and metal factor measurements for $n= 3$ are shown in contoured plot-plan format for each of the three grid areas.



1993 Hera Resources Inc. I.P. Survey

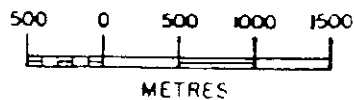


Figure 3

HERA RESOURCES INC.

REY LAKE PROPERTY

Nicola, M.D. NTS 92 1/7

LOCATION OF IP SURVEYS

To accompany a report by:
Marvin Falk

April, 1993



3.1 Rey Lake Grid

The Rey Lake grid consists of 11 east-west survey lines varying from 1.5 to 1.8 km in length. A total of 4.9 km of I.P. survey using 100 m dipoles was conducted on the three most northerly lines. The rest of the I.P. survey on this grid was conducted using 50 m dipoles (12.95 km).

The plot-plan maps display the I.P. anomalies in the most obvious manner. For anomalous values of chargeability (> 25 msec) the anomaly shown is very large, being anywhere from 500 m to 900 m wide extending across all survey lines. The anomaly extends both to the north and to the south, diminishing in value to the south. The highest values of chargeability (> 100 msec), which are in the northern part of the grid, may be associated with a fault. A smaller anomaly on lines 51+ 00N and 52+ 00N at about 42+ 00E is shown to be growing in strength to the south.

The plot-plan map of metal factor again displays a large anomalous area (> 75) roughly corresponding with the chargeability anomaly. Here, though, the values seem to be decreasing to the north and remain strong in the south. The smaller anomaly at 42+ 00E is increasing to the south.

There is obviously a large target area for potential drill sites on the Rey Lake grid. The areas with the highest values of chargeability and/or metal factor present the best potential targets (for example between 49+ 00E and 50+ 00E on line 54+ 00N).

3.2 Swamp Grid

A total of 3.1 km of I.P. survey, using 50 meter dipoles, was conducted on three east-west lines on the Swamp grid. The plot-plan maps for both chargeability and metal factor indicate two main anomalous zones. One zone crosses the three lines at approximately 74+ 00E and the other zone exists at 70+ 00E and extends east off the survey area.

3.3 Gossan Grid

A total of 4.9 km of I.P. survey, using 50 meter dipoles was conducted along five east-west lines on the Gossan grid. The main feature is an anomaly centered along the baseline 50+ 00E between line 29+ 00N and line 30+ 00N. This anomaly displays both high metal factor (> 700) and high chargeability (> 50 msec) values. At surface it corresponds to pyrite mineralized rock.

3.4 Road I.P. Line

A survey was conducted east from the Gossan grid along the access road. The 50 meter dipole survey extended for 1150 m along the road.

The main feature is an area of higher chargeability (> 25 msec), high apparent resistivity (> 1000 ohm-meter) and high metal factor (> 300) near the end of the survey line. This may correspond with a zone of jasperoid found in this area.

4.0 SUMMARY

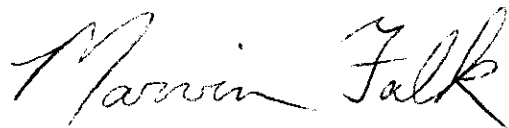
The I.P./Resistivity survey was successful in defining the large anomaly on the Rey Lake grid and shows that this anomaly extends both to the north and to the south. A smaller anomaly at 42+ 00E is shown to be growing to the south.

The main anomaly centered along the baseline of the Gossan grid is new and is associated with mineralized rock.

Smaller anomalies were identified on the Swamp grid and the main anomaly on the Road I.P. line corresponds with a zone of jasperoid.

This type of survey is an effective tool for mineral exploration on this property and is recommended for further detail or reconnaissance work.

Respectfully Submitted
Strato Geological Engineering Ltd.



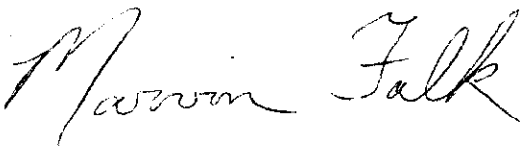
Marvin Falk, B.Sc.
Geophysicist
April 19, 1993.

5.0 CERTIFICATE

I, Marvin E. Falk, of 6633 Yew Street, of the city of Vancouver, Province of British Columbia, hereby certify that:

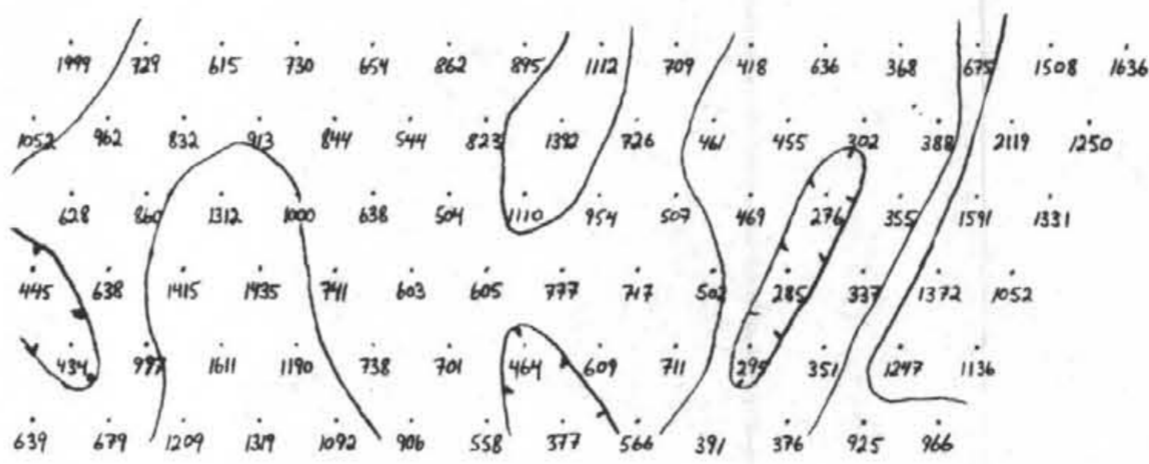
1. I graduated in 1986 from the University of Alberta with a Bachelor of Science degree in Geophysics.
2. I am employed as a Geophysicist by Strato Geological Engineering Ltd., with offices at 3566 King George Highway, Surrey, B.C.
3. I have practiced my profession as Geophysicist since 1987.
4. This report is based on field examinations I performed on the property during February 15 to April 9, 1993.
5. I have no shares or other interest, beneficial or otherwise, director or indirect in Hera Resources Inc. or Strato Geological Engineering Ltd. I have no interest direct or indirect, beneficial or otherwise in the Blue Jay Property.

Dated at Surrey, Province of British Columbia, this 19th day of April, 1993.



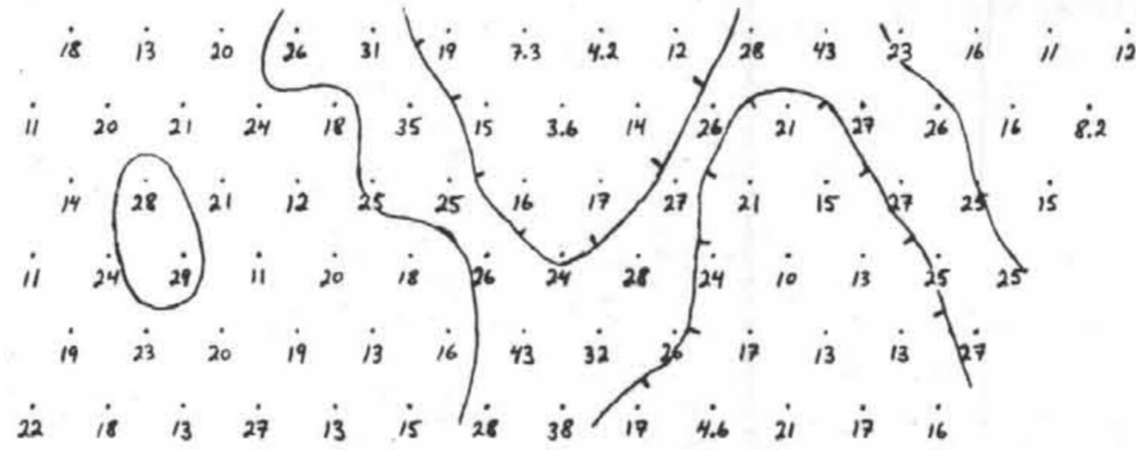
Marvin Falk
Geophysicist

45 46 47 48 49 50 51 52 53 54 55 East



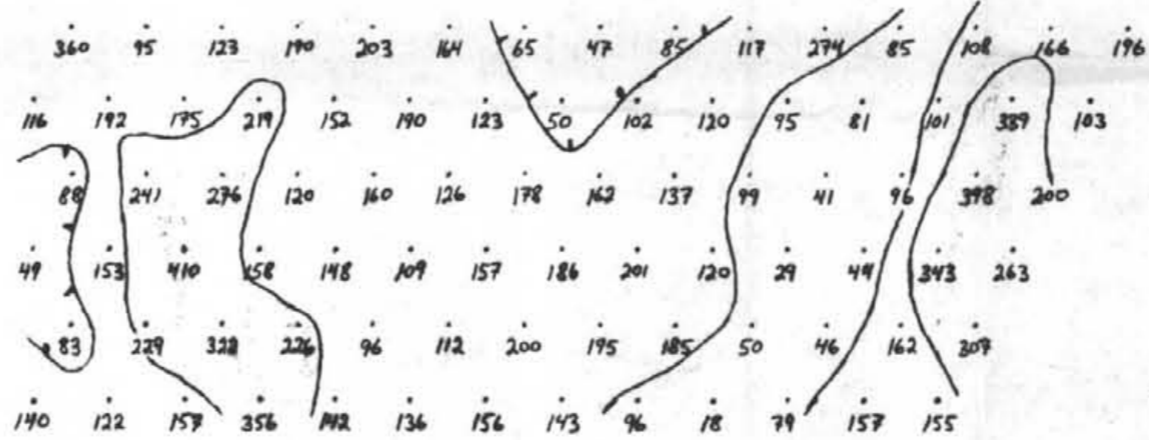
ρ_a - APPARENT RESISTIVITY (ohm-meter)

45 50 55 East



M - CHARGEABILITY (msec)

45 50 55 East



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Figure 4

REY LAKE PROPERTY
Nicola Mining Division, B.C. NTS 92 I-7E

**Line 27+00N Pseudo Section
Gossan Grid**

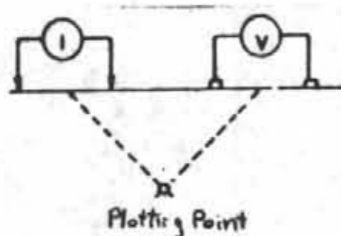
To accompany a report by: *M.F.*
M. Falk, Geophysicist

Drawn By: MF Date: April 1993

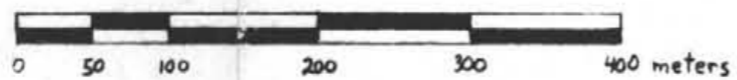
NOTES

INSTRUMENTS: HUNTEC MARK IV
TIME DOMAIN: FREQUENCY = $\frac{1}{8}$ Sec
TIME DELAY = 200 msec
INTEGRATION INTERVAL = 10×150 msec
TRANSMITTER POWER: 7.5 kW
APPARENT RESISTIVITY: $\rho_a = \frac{V}{I} \pi a n(n+1)n^2$
a: Spacing = 50 meters

DIPOLE-DIPOLE ARRAY
ELECTRODE CONFIGURATION



Scale 1:5000

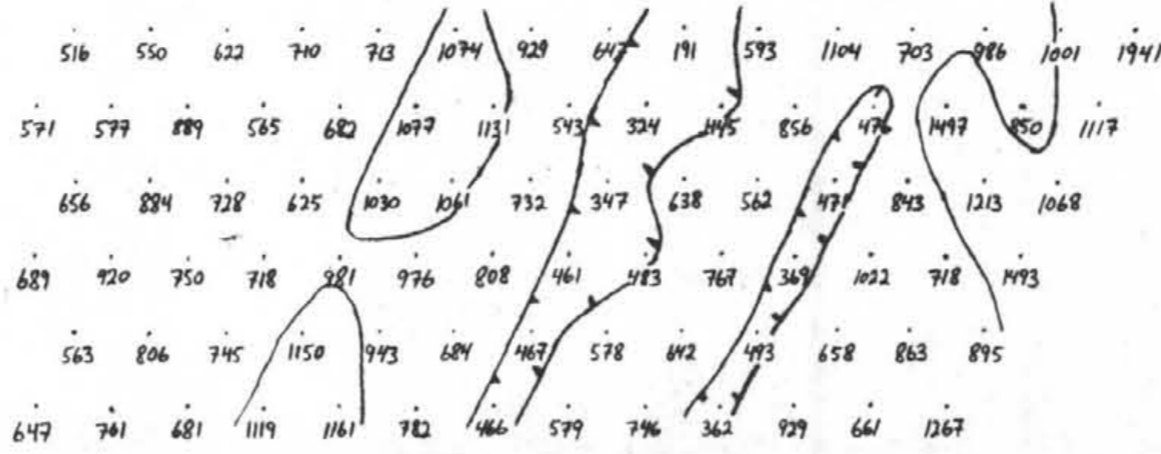


ρ_a CONTOURS: 100, 200, 300, 500, 1000

M CONTOURS: 25

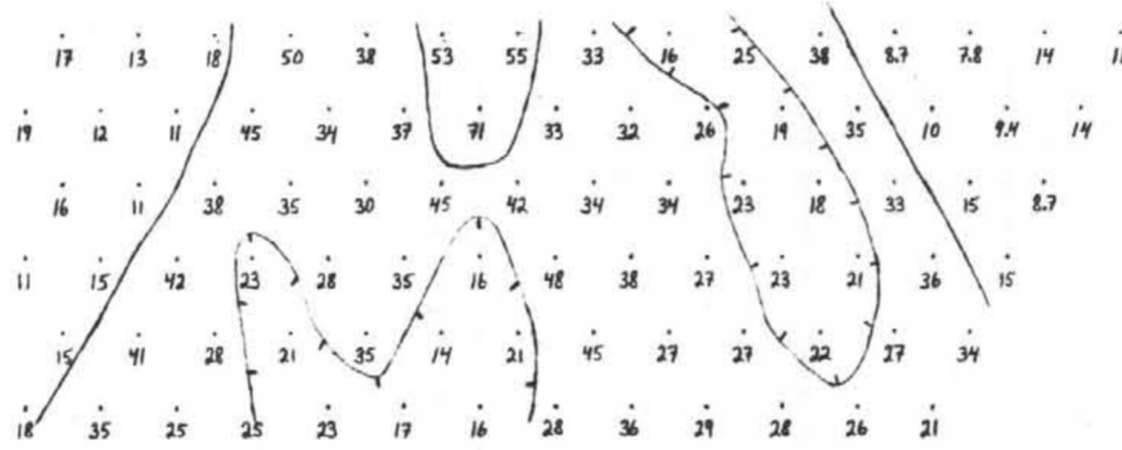
MF CONTOURS: 100, 200

45 46 47 48 49 50 51 52 53 54 55 East



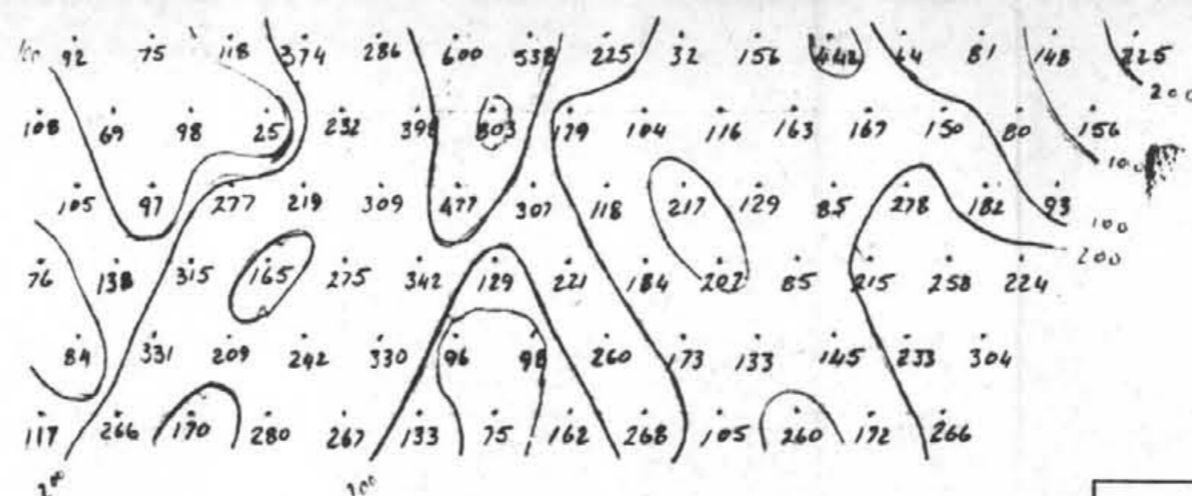
ρ_a - APPARENT RESISTIVITY (ohm-meter)

45 46 47 48 49 50 51 52 53 54 55 East



M - CHARGEABILITY (msec)

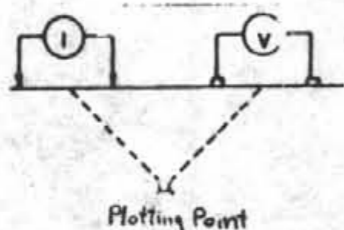
45 46 47 48 49 50 51 52 53 54 55 East



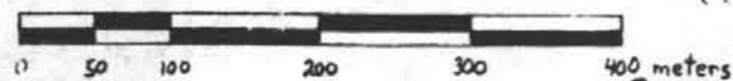
MF - METAL FACTOR (ohm-meter-msec)

NOTES
 INSTRUMENTS: HUNTEC MARK IV
 TIME DOMAIN: FREQUENCY = $\frac{1}{8}$ Sec
 TIME DELAY = 200 msec
 INTEGRATION INTERVAL = 10×150 msec
 TRANSMITTER POWER: 7.5 kW
 APPARENT RESISTIVITY: $\rho_a = \pi a n(n+1)(n+2)(V/I)$
 a: spacing = 50 meters

DIPOLE - DIPOLE ARRAY
ELECTRODE CONFIGURATION



Scale 1:5000



ρ_a CONTOURS: 100, 200, 300, 500, 1000

M CONTOURS: 25, 50

MF CONTOURS: 100, 200, 400

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Figure 5

HERA RESOURCES INC.

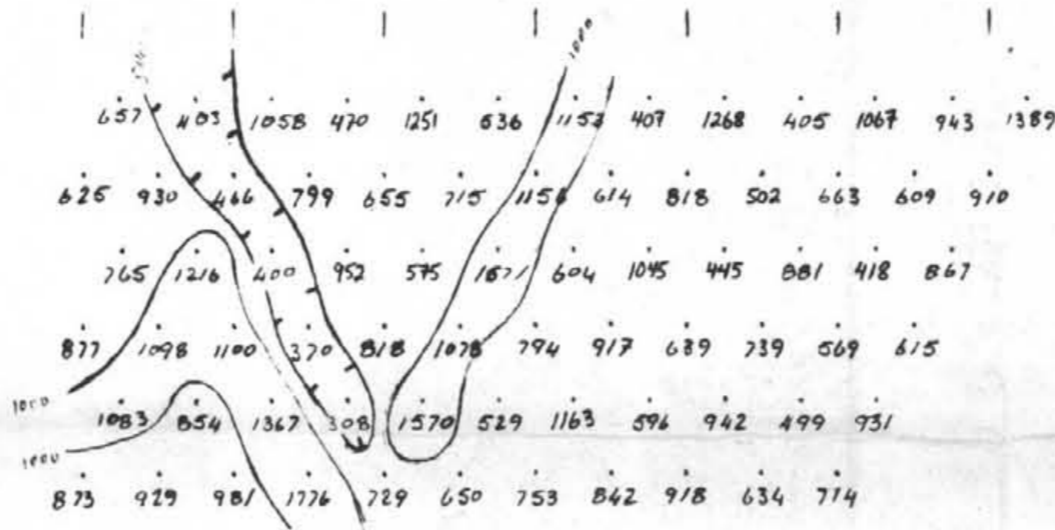
REY LAKE PROPERTY
Nicola Mining Division, B.C. NTS 92 I-7E

Line 28 + 00N Pseudo Section
Gossan Grid

To accompany a report by: M.F.
M. Falk, Geophysicist

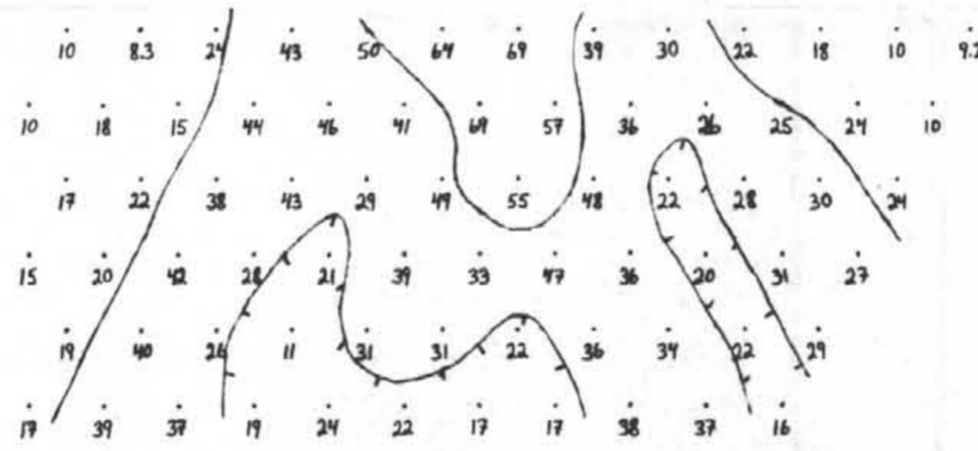
Drawn By: MF Date: April 1993

45 46 47 48 49 50 51 52 53 54 East



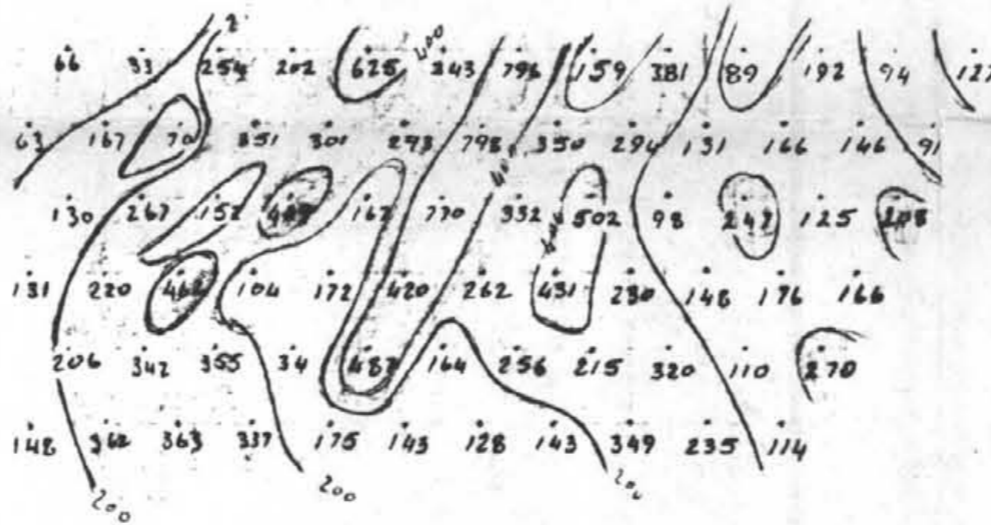
ρ_a - APPARENT RESISTIVITY (ohm-meter)
LINE 2900 N

47 48 49 50 51 52 53 54



M - CHARGEABILITY (msec)

45 46 47 48 49 50 51 52 53 54



MF METAL FACTOR (ohm-meter-msec)

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Figure 6

HERA RESOURCES INC.

REY LAKE PROPERTY
Nicola Mining Division, B.C. NTS 92 1-7E

**Line 29+00N Pseudo Section
Gossan Grid**

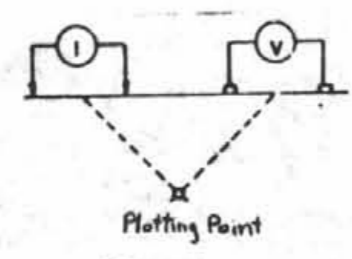
To accompany a report by: *M.F.*
M. Falk, Geophysicist

Drawn By: MF Date: April 1993

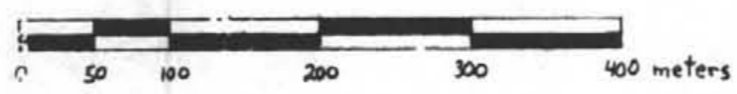
NOTES

INSTRUMENTS: HUNTEC MARK II
TIME DOMAIN: FREQUENCY = 1/8 sec
TIME DELAY = 200 msec
INTEGRATION INTERVAL = 10 x 150 msec
TRANSMITTER POWER: 7.5 kW
APPARENT RESISTIVITY: $\rho_a = \pi a n(n+1, n+2) (V/I)$
a: Spacing = 50 meters

DIPOLE - DIPOLE ARRAY
ELECTRODE CONFIGURATION

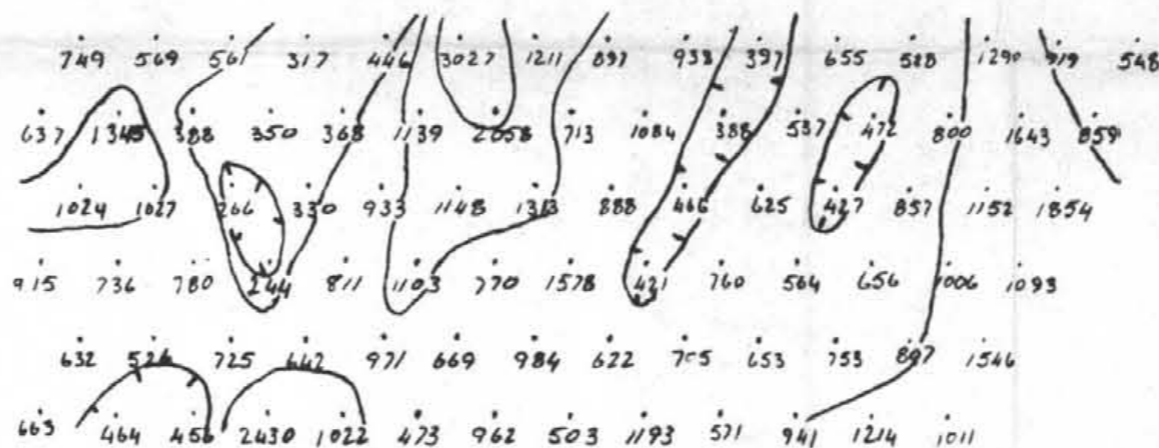


Scale 1:5000



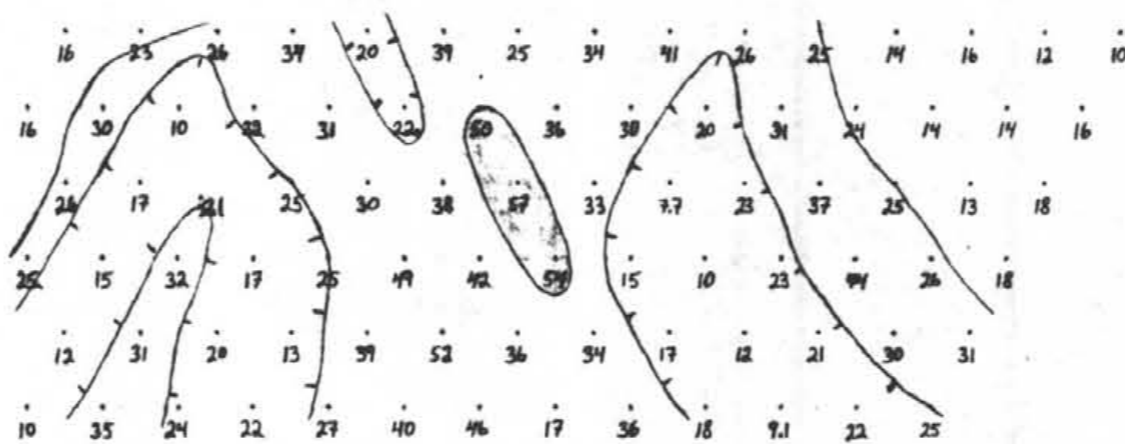
ρ_a CONTOURS: 100, 200, 300, 500, 1000
M CONTOURS: 25, 50
MF CONTOURS: 100, 200, 400

45 46 47 48 49 50 51 52 53 54



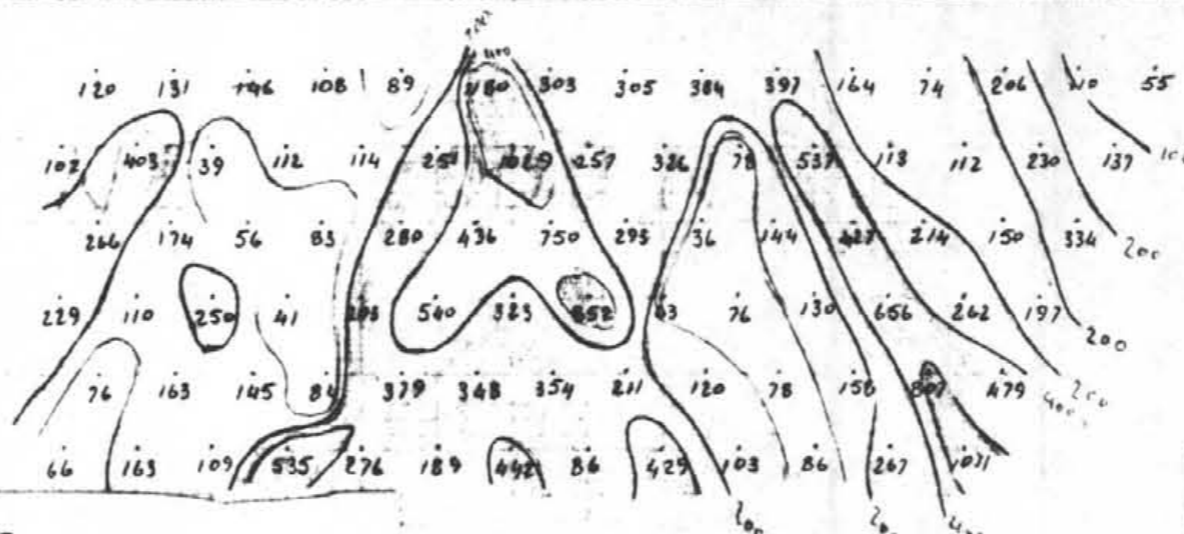
ρ_a - APPARENT RESISTIVITY (ohm-meter)
LINE 3000 N

45 46 47 48 49 50 51 52 53 54 55 East

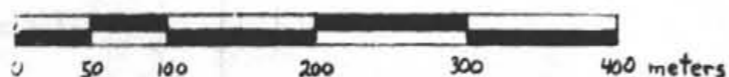


M - CHARGEABILITY (msec)
LINE 3000

45 46 47 48 49 50 51 52 53 54 55 East



Scale 1:5000

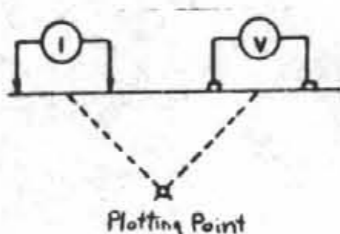


ρ_a CONTOURS: 100, 200, 300, 500, 1000
M CONTOURS: 25, 50
MF CONTOURS: 100, 200, 400, 800

MF - METAL FACTOR
(ohm-meter - msec)

NOTES
INSTRUMENTS: HUNTEC MARK III
TIME DOMAIN: FREQUENCY = $\frac{1}{8}$ sec
TIME DELAY = 200 msec
INTEGRATION INTERVAL = 10×150 msec
TRANSMITTER POWER: 7.5 kW
APPARENT RESISTIVITY: $\rho_a = \pi a n(n+1)(n+2)(V/I)$
a: spacing = 50 meters

DIPOLE - DIPOLE ARRAY
ELECTRODE CONFIGURATION



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Figure 7

HERA RESOURCES INC.

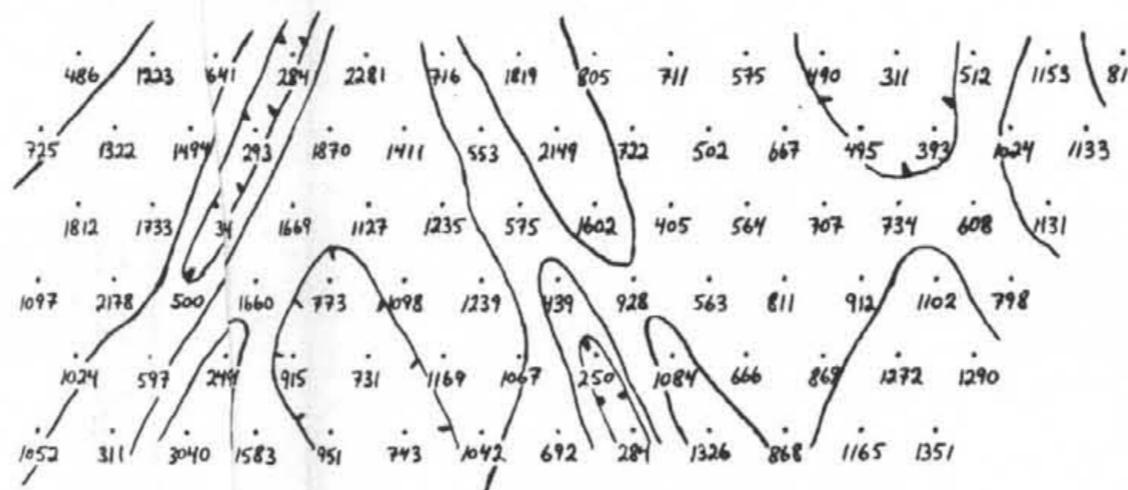
REY LAKE PROPERTY
Nicola Mining Division, B.C. NTS 92 1-7E

Line 30+00N Pseudo Section
Gossan Grid

To accompany a report by: M.F.
M. Falk, Geophysicist

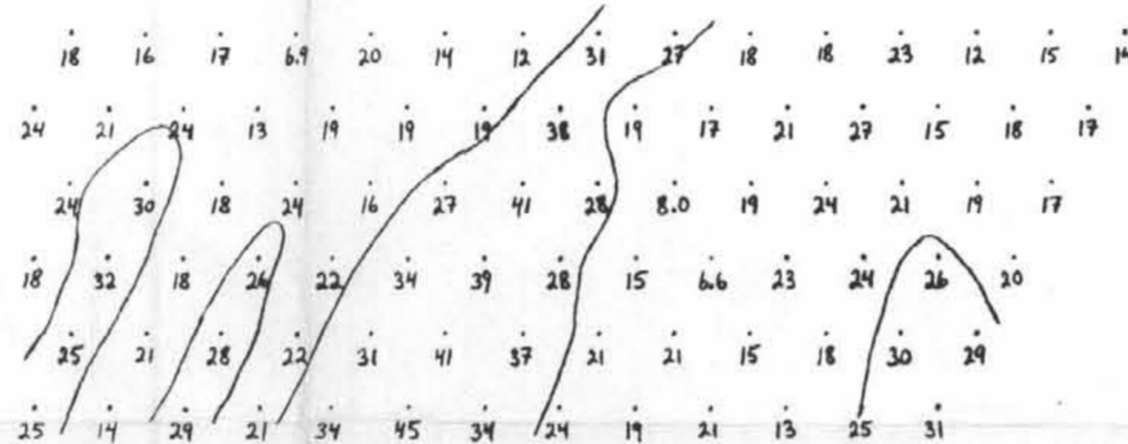
Drawn By: MF Date: April 1993

45 46 47 48 49 50 51 52 53 54 55 East



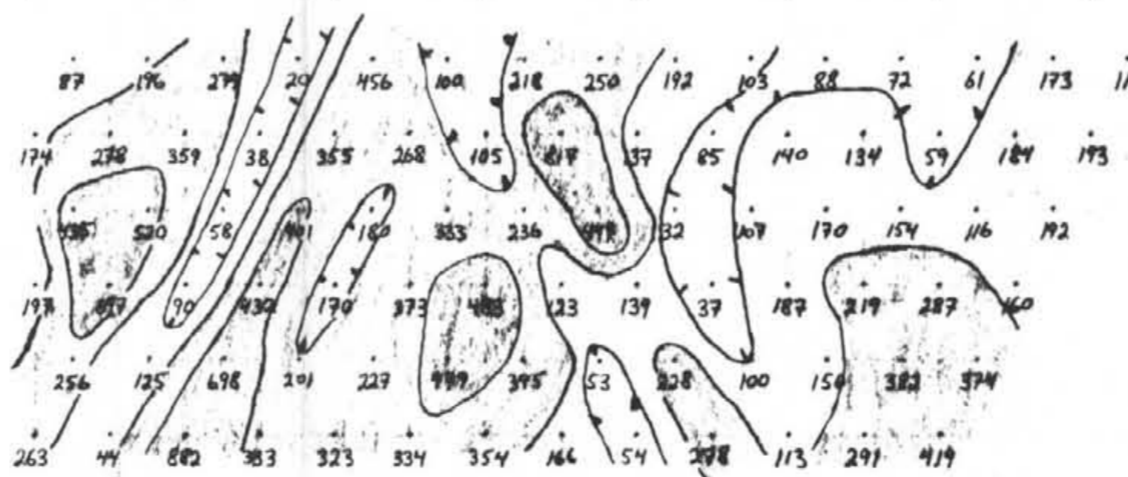
ρ_a - APPARENT RESISTIVITY (ohm-meter)

45 50 55 East



M - CHARGEABILITY (msec)

45 50 55 East



MF - METAL FACTOR (ohm-meter - msec)

NOTES

INSTRUMENTS: HUNTEC MARK II

TIME DOMAIN: FREQUENCY: 1/8 sec

TIME DELAY: 200 msec

INTEGRATION INTERVAL: 10 x 150 msec

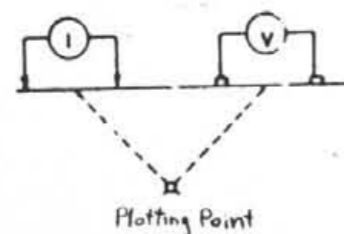
TRANSMITTER POWER: 7.5 kW

APPARENT RESISTIVITY: $\rho_a = \pi a n(n+1)(n+2)(V/I)$

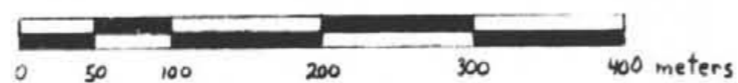
a: spacing = 50 meters

DIPOLE - DIPOLE ARRAY

ELECTRODE CONFIGURATION



Scale 1:5000



ρ_a CONTOURS: 100, 200, 300, 500, 1000

M CONTOURS: 25

MF CONTOURS: 100, 200, 400, 800

GEOLOGICAL BRANCH
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Figure 8

HERA RESOURCES INC.

REY LAKE PROPERTY

Nicola Mining Division, B.C.

NTS 92 I-7E

Line 31 + 00N Pseudo Section
Gossan Grid

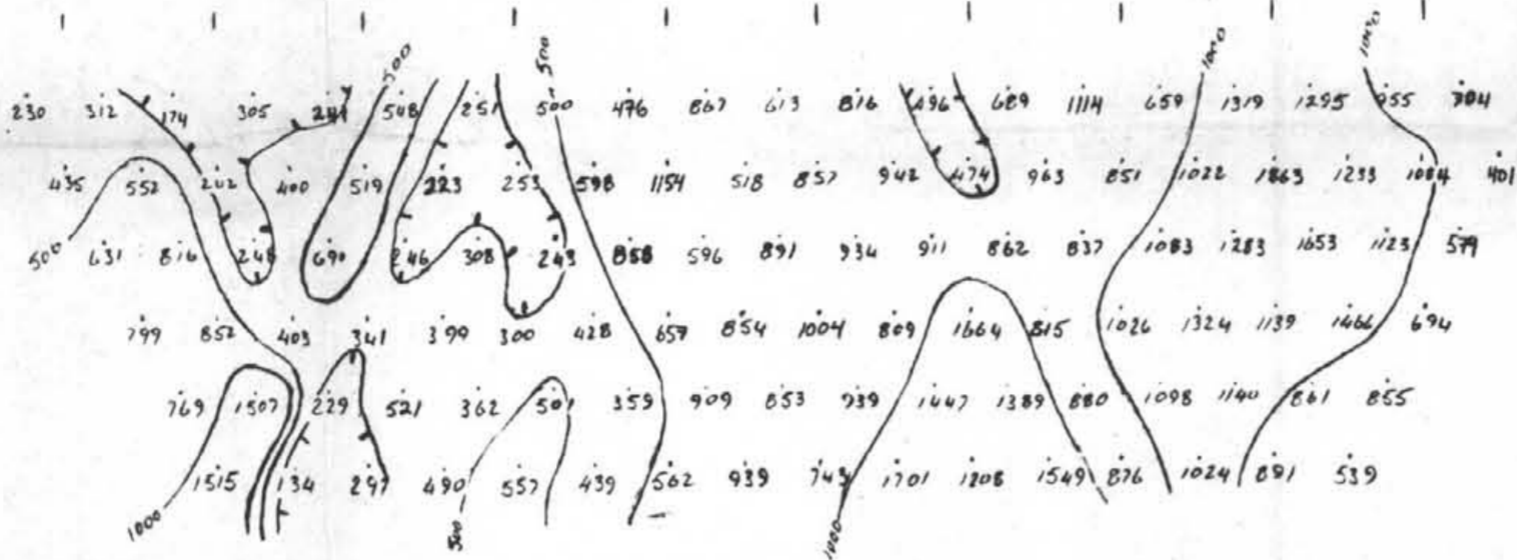
To accompany a report by:
M. Falk, Geophysicist

M.F.

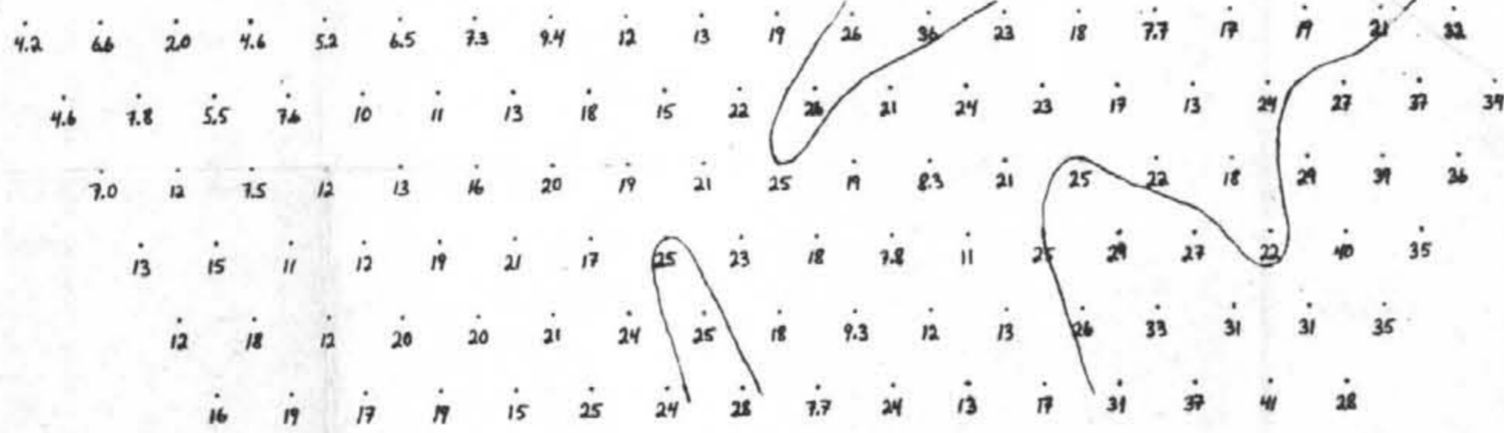
Drawn By: MF

Date: April 1993

0 100 200 300 400 500 600 700 800 900 1000 1100 1200

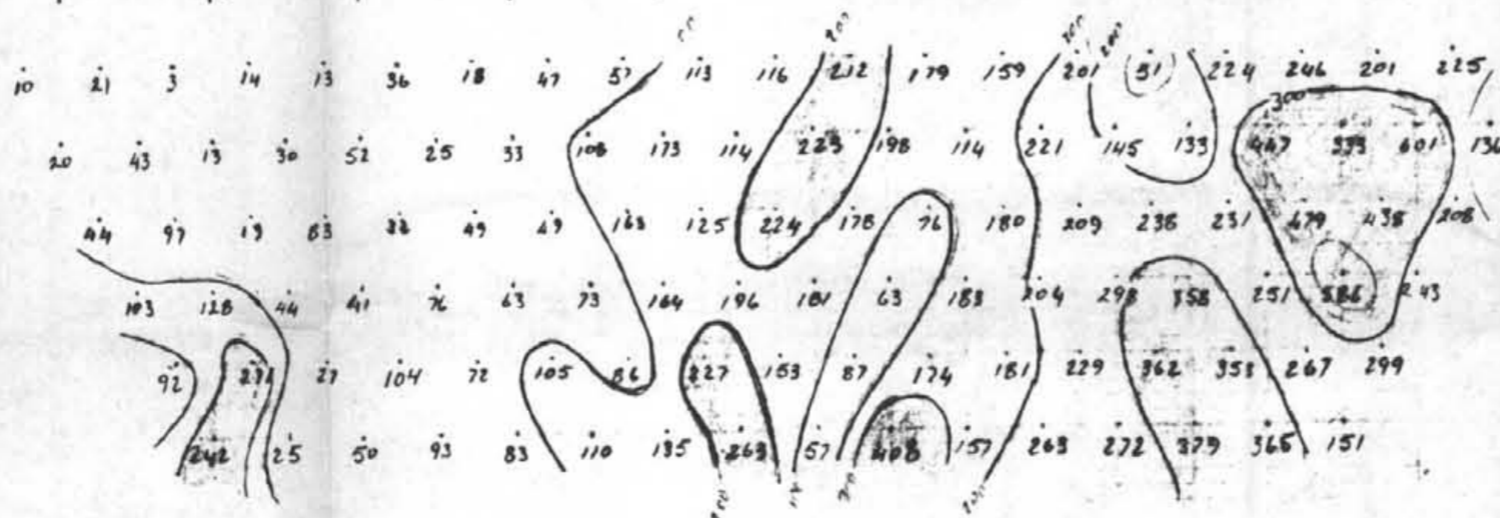


ρ_a - APPARENT RESISTIVITY (ohm-meter)
ROAD I.P.



M - CHARGEABILITY (msec)
ROAD I.P.

0 100 200 300 400 500 600 700 800 900 1000 1100 1200



MF - METAL FACTOR (ohm-meter-msec)
ROAD I.P.

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Figure 9

HERA RESOURCES INC.

REY LAKE PROPERTY
Nicola Mining Division, B.C. NTS 92 I-7E

Road IP Line Pseudo Section

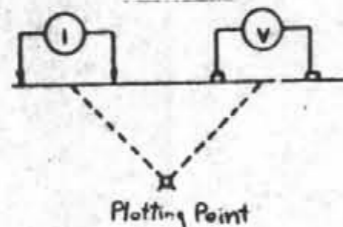
To accompany a report by: *M.F.*
M. Falk, Geophysicist

Drawn By: MF Date: April 1993

NOTES

INSTRUMENTS: HUNTEC MARK III
TIME DOMAIN: FREQUENCY = 1/8 Sec
TIME DELAY = 200 msec
INTEGRATION INTERVAL = 10 x 150 msec
TRANSMITTER POWER: 7.5 kW
APPARENT RESISTIVITY: $\rho_a = \pi a n(n+1)(n+2)(V/I)$
a: Spacing = 50 meters

DIPOLE - DIPOLE ARRAY
ELECTRODE CONFIGURATION



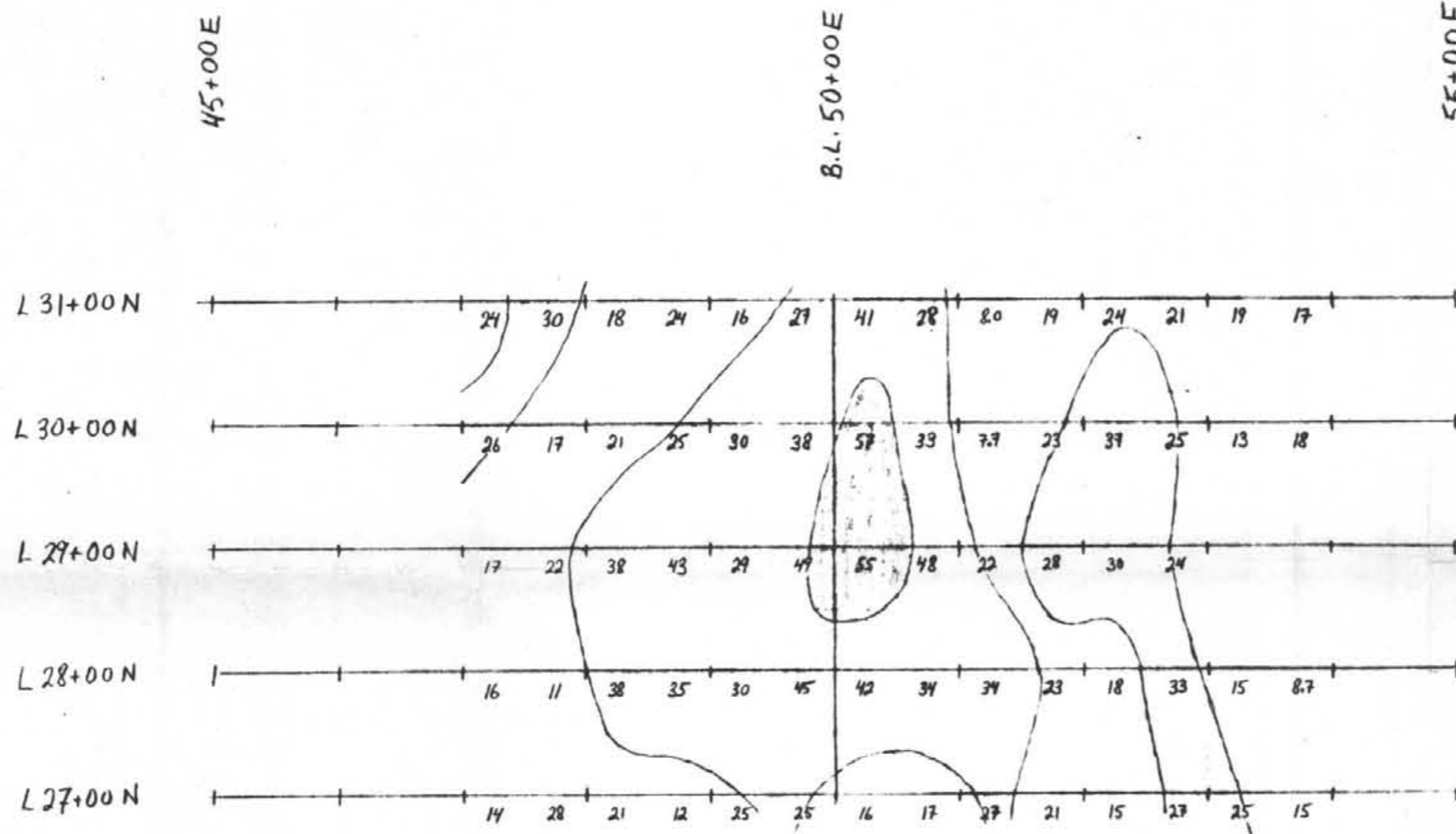
Scale 1:5000



ρ_a CONTOURS: 100, 200, 300, 500, 1000

M CONTOURS: 25

MF CONTOURS: 100, 200, 300



NOTES

INSTRUMENTS: HUNTEC MARK IV
 TIME DOMAIN: frequency = 1/8 Hz
 TIME DELAY = 200 msec
 INTEGRATION INTERVAL = 10 * 150 msec
 TRANSMITTER POWER: 7.5 kW
 CHARGEABILITY: msec
 a: spacing = 50 meters
 CONTOURS: 25, 50 msec

Scale 1:5000



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Figure 10

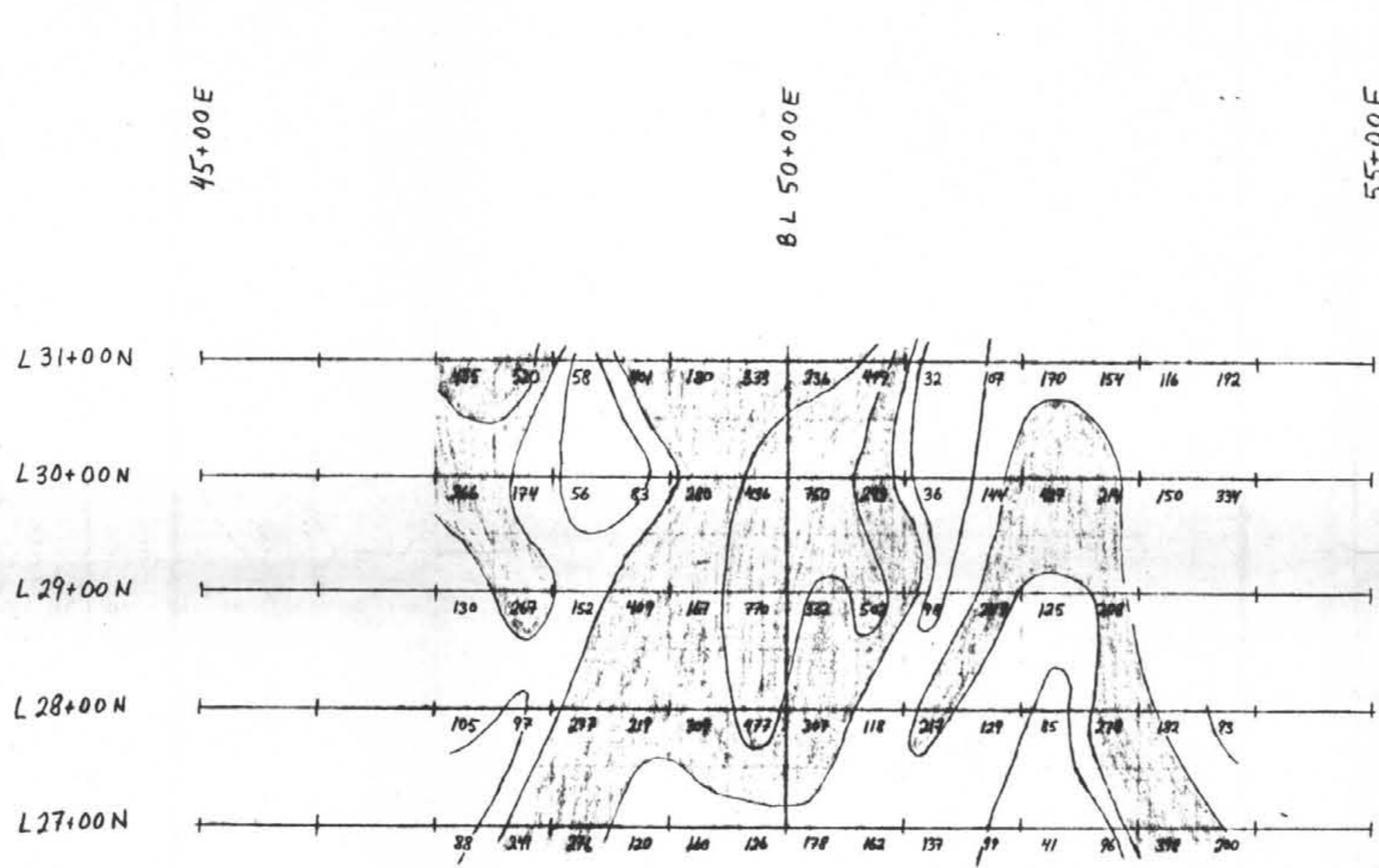
HERA RESOURCES INC.

REY LAKE PROPERTY
 Nicola Mining Division, B.C. NTS 92 I-7E

**Chargeability Plot Plan Map
 Gossan Grid**

To accompany a report by: *M. F.*
 M. Falk, Geophysicist

Drawn By: MF Date: April 1993

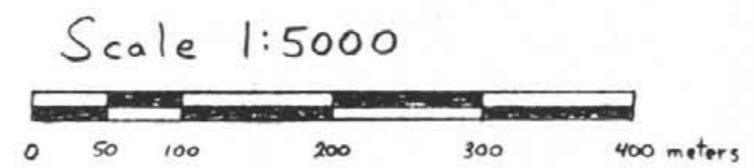


**GEOLOGICAL BRANCH
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Figure 11

NOTES
 INSTRUMENTS: HUNTEC MARK IV
 TIME DOMAIN: frequency = 1/8 Hz
 TIME DELAY = 200 msec
 INTEGRATION INTERVAL = 10 x 150 msec
 TRANSMITTER POWER: 7.5 kW
 METAL FACTOR: ohm-meter-msec
 a: spacing = 50 meters
 CONTOURS: 100, 200, 400



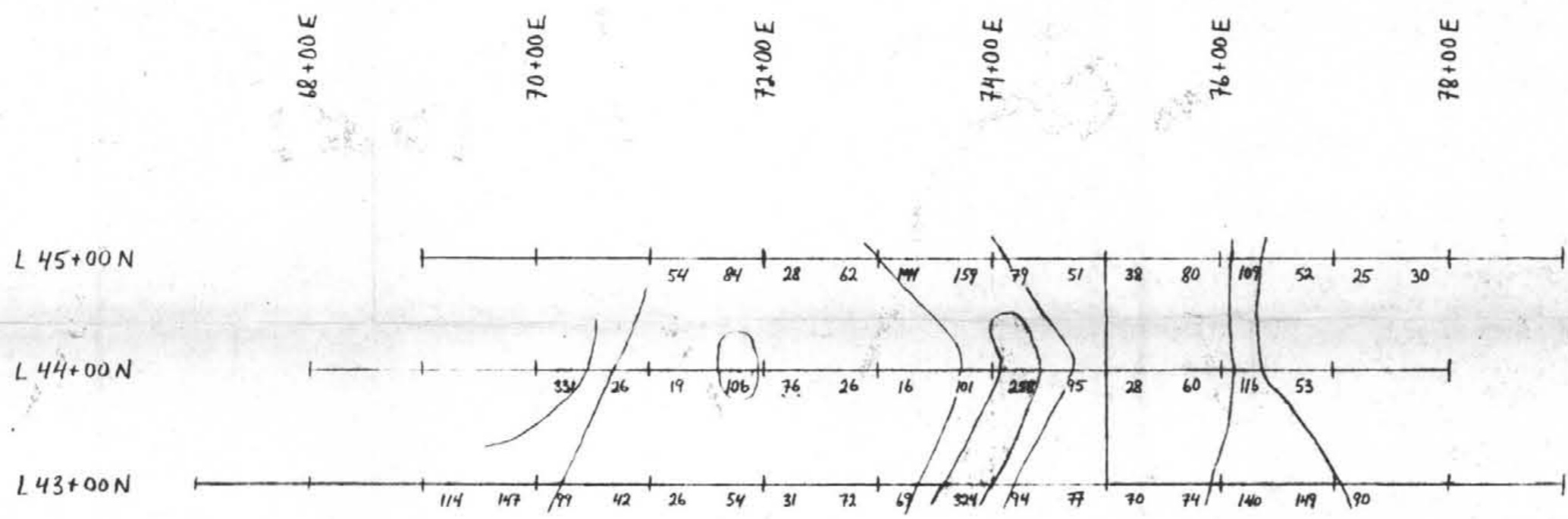
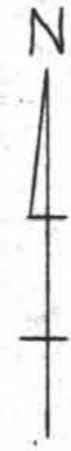
HERA RESOURCES INC.

REY LAKE PROPERTY
 Nicola Mining Division, B.C. NTS 92 I-7E

**Metal Factor Plot Plan Map
Gossan Grid**

To accompany a report by: *M.F.*
 M. Falk, Geophysicist

Drawn By: MF Date: April 1993



NOTES
 INSTRUMENTS: HUNTEC MARK IV
 TIME DOMAIN: frequency = 1/8 Hz
 TIME DELAY = 200 msec
 INTEGRATION INTERVAL = 150 msec
 TRANSMITTER POWER: 7.5 kW
 ALL FACTORS above meter msec
 a: spacing = 50 meters
 CONTOURS: 100, 200

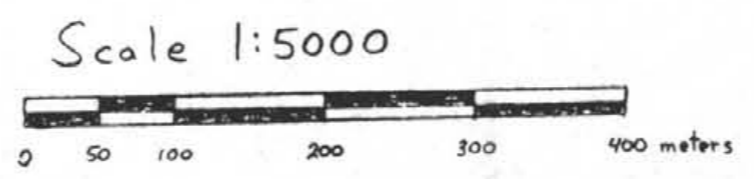


Figure 12

HERA RESOURCES INC.
 REY LAKE PROPERTY
 Nicola Mining Division, B.C. NTS 92 I-7E

**Metal Factor Plot Plan Map
 Swamp Grid**

To accompany a report by: *M.F.*
 M. Falk, Geophysicist

Drawn By: *MT* Date: *April 1993*

**GEOLOGICAL BRANCH
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Figure 13

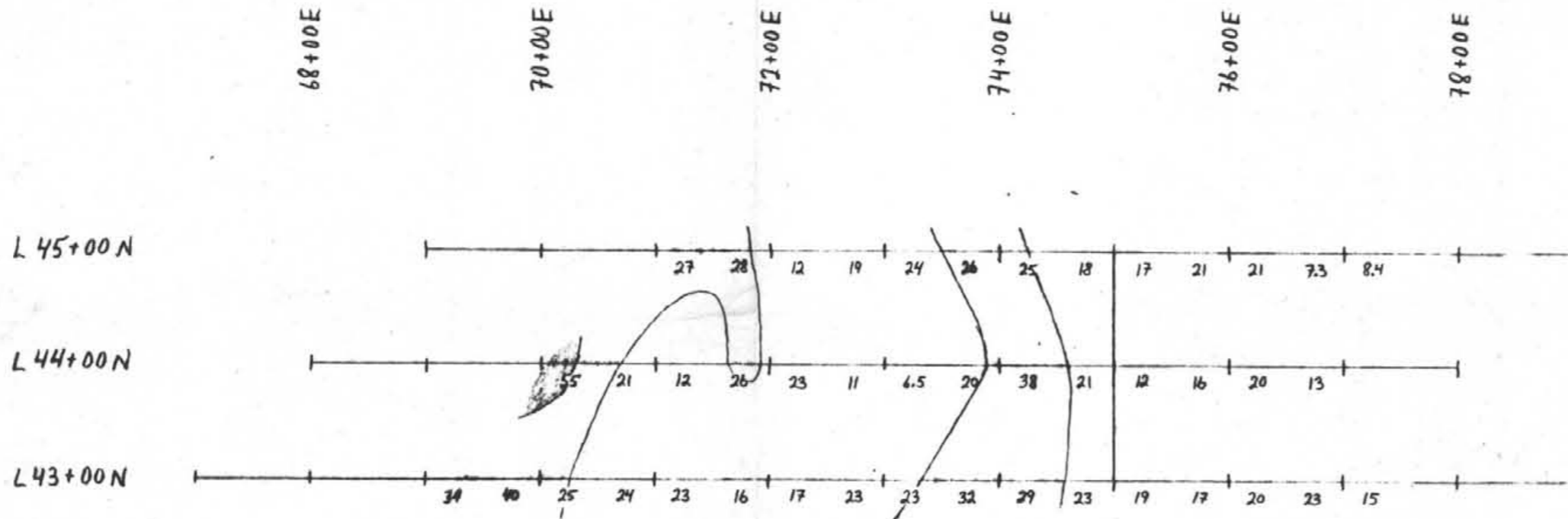
HERA RESOURCES INC.

REY LAKE PROPERTY
Nicola Mining Division, B.C. NTS 92 I-7E

Chargeability Plot Plan Map Swamp Grid

To accompany a report by:
M. Falk, Geophysicist *M.F.*

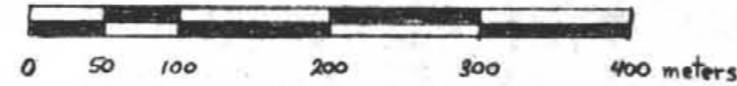
Drawn By: MF Date: April 1993



NOTES

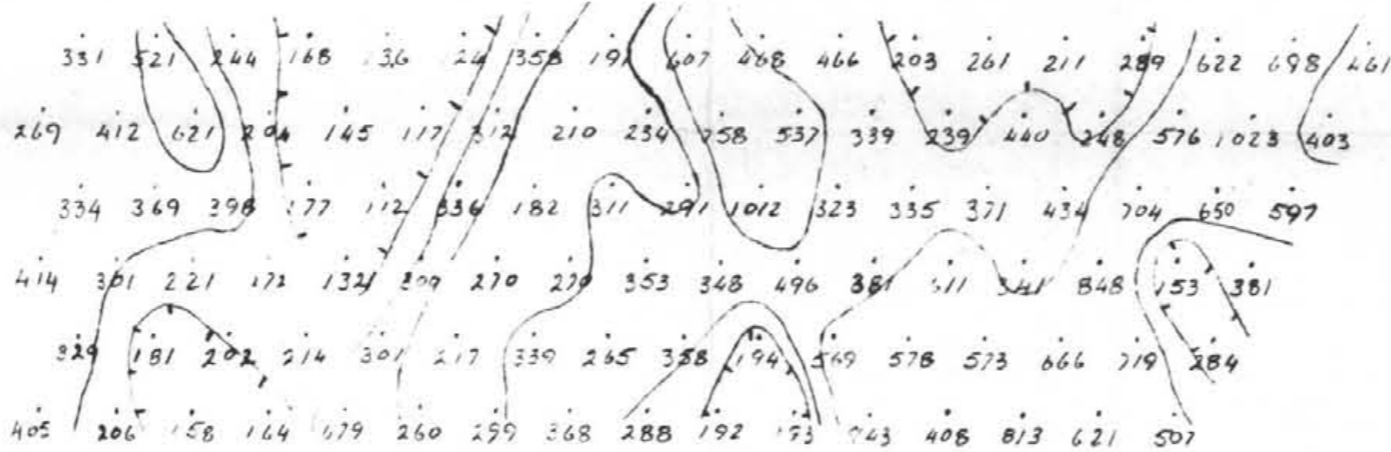
- INSTRUMENTS: HUNTEC MARK IV
- TIME DOMAIN: frequency = $\frac{1}{8}$ Hz
- TIME DELAY = 200 msec
- INTEGRATION INTERVAL = 10×150 msec
- TRANSMITTER POWER: 7.5 kW
- CHARGEABILITY: msec
- a: spacing = 50 meters
- CONTOURS: 25, 50 msec

Scale 1:5000



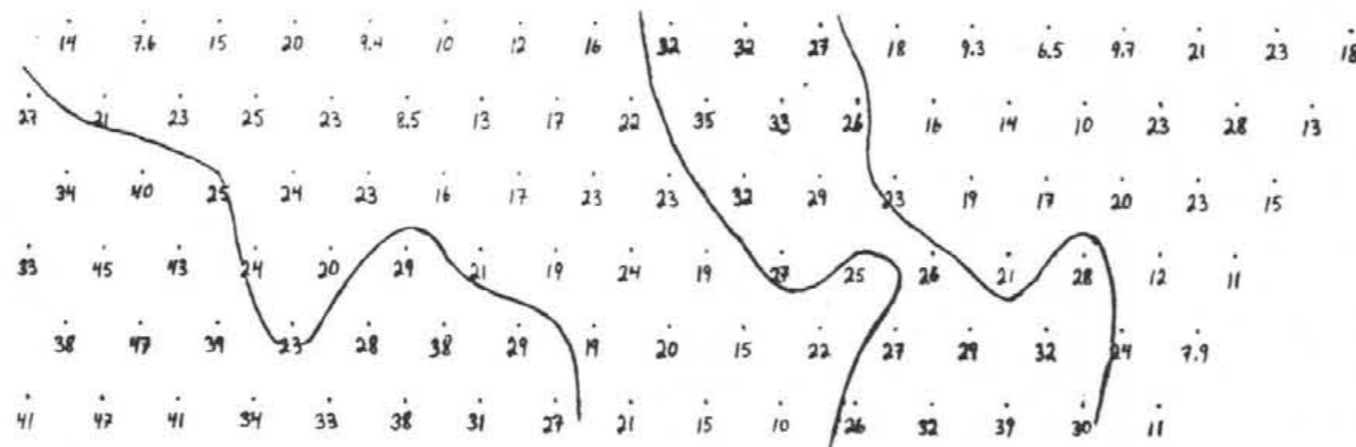
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67 68 69 70 71 72 73 74 75 76 77 78 (+00 East)



ρ_a - APPARENT RESISTIVITY (ohm-meter)
LINE 4300

68 69 70 71 72 73 74 75 76 77 78 (+00 East)



M - CHARGEABILITY (msec)

68 69 70 71 72 73 74 75 76 77 78 (+00 East)



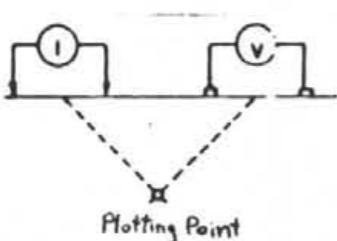
Scale 1:5000 MF - METAL FACTOR (ohm-meter-msec)



ρ_a CONTOURS: 100, 200, 300
M CONTOURS: 25, 50
MF CONTOURS: 100, 200

NOTES
INSTRUMENTS: HUNTEC MARK III
TIME DOMAIN: FREQUENCY: γ g sec
TIME DELAY = 200 msec
INTEGRATION INTERVAL = 10×150 msec
TRANSMITTER POWER: 7.5 kW
APPARENT RESISTIVITY: $\rho_a = \pi a n(n+1)(n+2)(V/I)$
a: spacing = 50 meters

DIPOLE-DIPOLE ARRAY
ELECTRODE CONFIGURATION



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Figure 14

HERA RESOURCES INC.

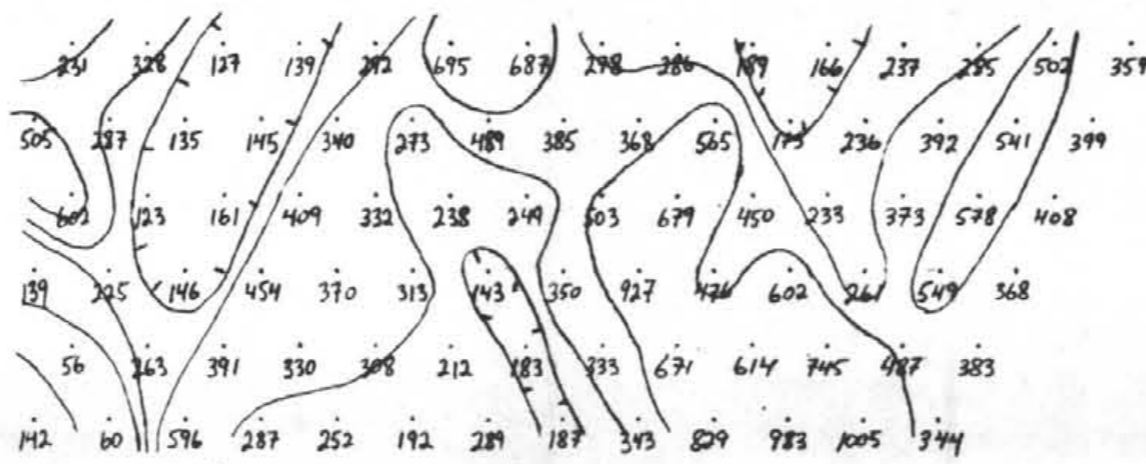
REY LAKE PROPERTY
Nicola Mining Division, B.C. NTS 92 I-7E

Line 43 + 00N Pseudo Section
Swamp Grid

To accompany a report by:
M. Falk, Geophysicist M.F.

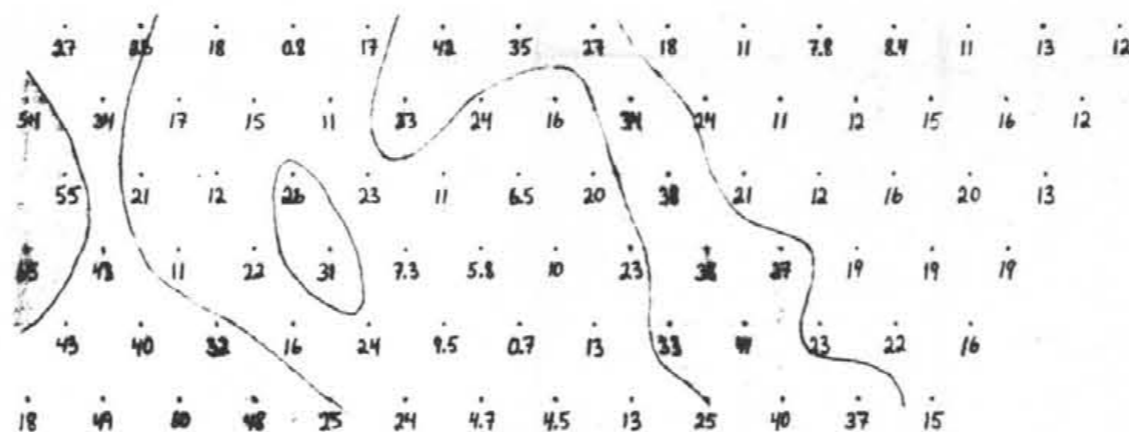
Drawn By: MF Date: April 1993

68 69 70 71 72 73 74 75 76 77 78 (+00 East)



ρ_a - APPARENT RESISTIVITY (ohm-meter)
LINE 44+00N

70 75 78 (+00 East)



M - CHARGEABILITY (msec)

68 69 70 71 72 73 74 75 76 77 78 (+00 East)



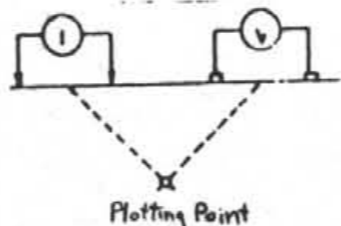
MF - METAL FACTOR (ohm-meter-msec)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

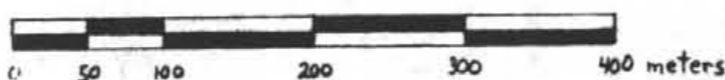
22,900

NOTES
INSTRUMENTS: HUNTEC MARK III
TIME DOMAIN: FREQUENCY = 1/8 Sec
TIME DELAY = 200 msec
INTEGRATION INTERVAL = 10 x 150 msec
TRANSMITTER POWER: 7.5 kW
APPARENT RESISTIVITY: $\rho_a = \pi a n(n+1)(n+2)(V/I)$
a: Spacing = 50 meters

DIPOLE - DIPOLE ARRAY
ELECTRODE CONFIGURATION



Scale 1:5000



ρ_a CONTOURS: 100, 200, 300, 500
M CONTOURS: 25, 50
MF CONTOURS: 100, 200, 400

Figure 15

HERA RESOURCES INC.

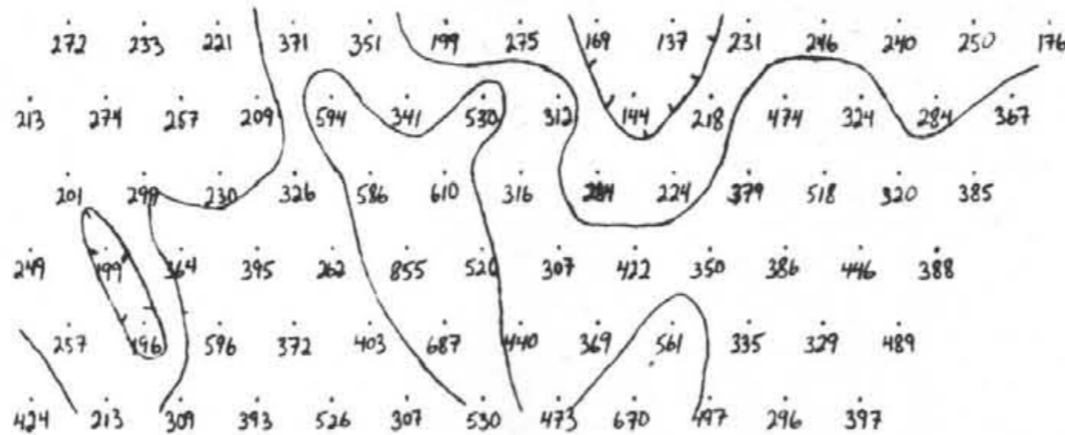
REY LAKE PROPERTY
Nicola Mining Division, B.C. NTS 92-1-7E

Line 44+00N Pseudo Section
Swamp Grid

To accompany a report by:
M. Falk, Geophysicist

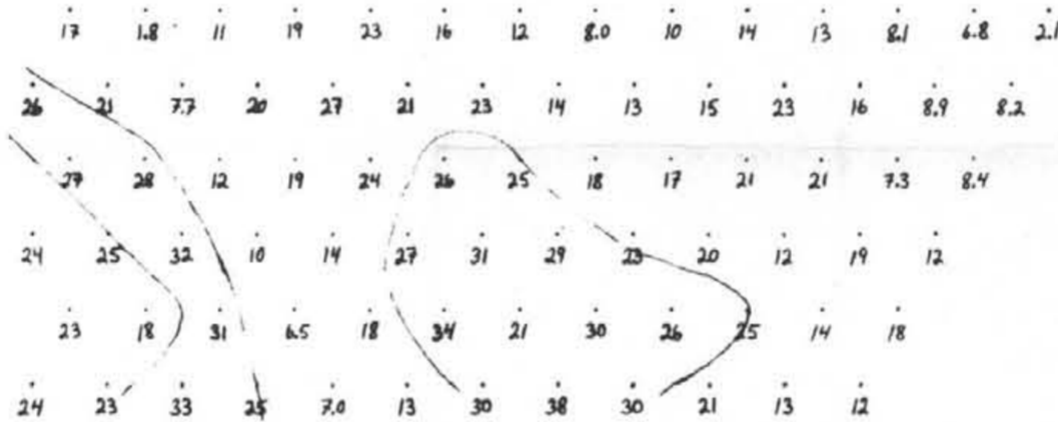
Drawn By: MF Date: April 1993

71 75 78 (+00 East)



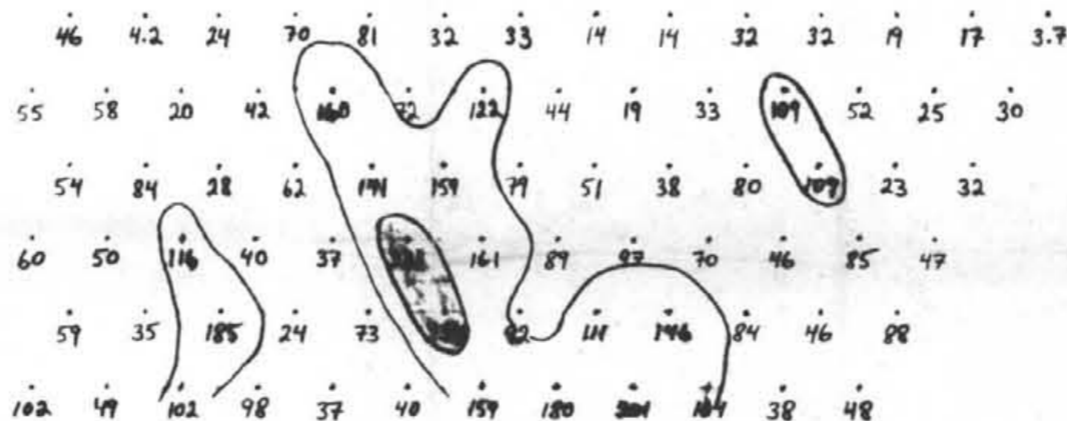
ρ_a - APPARENT RESISTIVITY (ohm-meter)
LINE 4500N

71 75 78 (+00 East)



M - CHARGEABILITY (msec)

69 72 75 78 (+00 East)



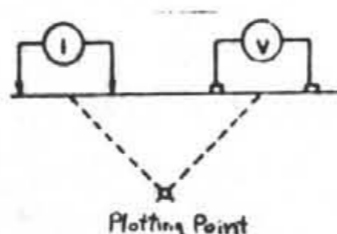
MF - METAL FACTOR (ohm-meter-msec)

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NOTES
INSTRUMENTS: HUNTEC MARK III
TIME DOMAIN: FREQUENCY = 1/8 Sec
TIME DELAY = 200 msec
INTEGRATION INTERVAL = 10 x 150 msec
TRANSMITTER POWER: 7.5 kW
APPARENT RESISTIVITY: $\rho_a = \pi a n(n+1)(n+2)(V/I)$
a: Spacing = 50 meters

DIPOLE - DIPOLE ARRAY
ELECTRODE CONFIGURATION



Scale 1:5000



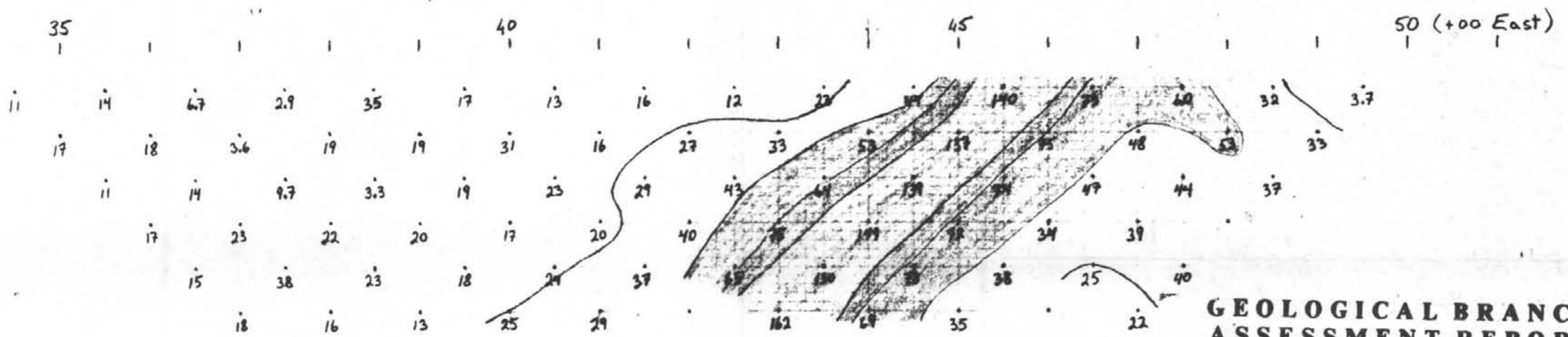
ρ_a CONTOURS: 100, 200, 300
M CONTOURS: 25
MF CONTOURS: 100, 200

HERA RESOURCES INC.
REY LAKE PROPERTY
Nicola Mining Division, B.C. NTS 92 1-7E
Line 45 + 00N Pseudo Section
Swamp Grid
To accompany a report by: M.F.
M. Falk, Geophysicist
Drawn By: MF Date: April 1993

33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 (+00 East)



ρ_a - APPARENT RESISTIVITY (ohm-meter)



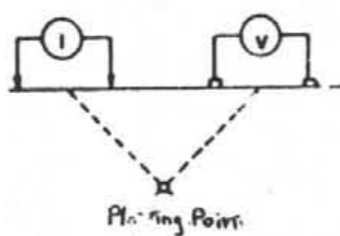
GEOLOGICAL BRANCH
ASSESSMENT REPORT

M - CHARGEABILITY (msec)

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NOTES
INSTRUMENTS: HUNTEC MARK III
TIME DOMAIN: FREQUENCY = 1/8 sec
TIME DELAY = 200 msec
INTEGRATION INTERVAL = 10 x 150 msec
TRANSMITTER POWER: 7.5 kW
APPARENT RESISTIVITY: $\rho_a = \pi a n(n+1)(n+2)(1/I)$
a: spacing = 0 meters

DIPOLE - DIPOLE ARRAY
ELECTRODE CONFIGURATION



Scale 1:5000



ρ_a CONTOURS: 100, 200, 300
M CONTOURS: 25, 50, 75, 100

Figure 17

HERA RESOURCES INC.

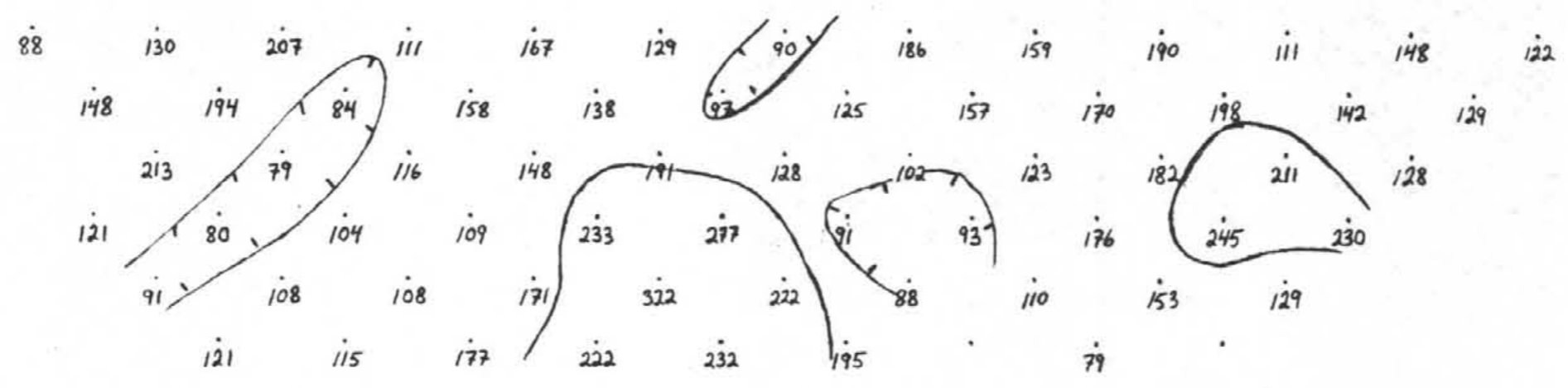
REY LAKE PROPERTY
Nicola Mining Division, B.C. NTS: 92 1-7E

Line 61 + 00N Pseudo Section
Rey Lake Grid

To accompany a report by: M.F.
M. Falk, Geophysicist

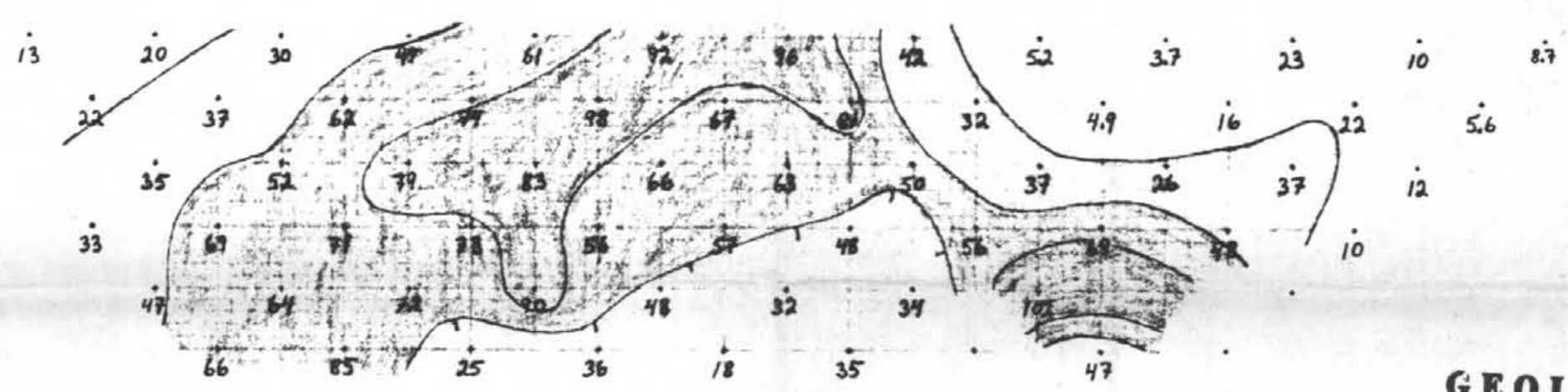
Drawn By: MF Date: April 1993

39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 (+00 East)



ρ_a - APPARENT RESISTIVITY (ohm-meter)

40 45 50 55 (+00 East)

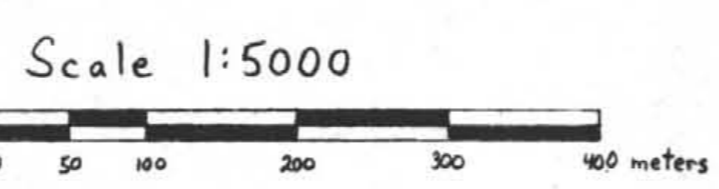


M - CHARGEABILITY (msec)

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ASSESSMENT REPORT

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NOTES
INSTRUMENTS: HUNTEC MARK III
TIME DOMAIN: FREQUENCY = $\frac{1}{8}$ sec
TIME DELAY = 200 msec
INTEGRATION INTERVAL = 10×150 msec
TRANSMITTER POWER: 7.5 kW
APPARENT RESISTIVITY: $\rho_a = \pi a n(n+1)(n+2)(V/I)$
a: Spacing = 100 meters



ρ_a CONTOURS: 100, 200
M CONTOURS: 25, 50, 75

DIPOLE-DIPOLE ARRAY
ELECTRODE CONFIGURATION

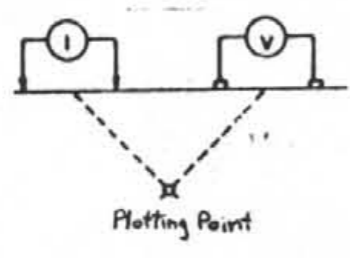


Figure 18

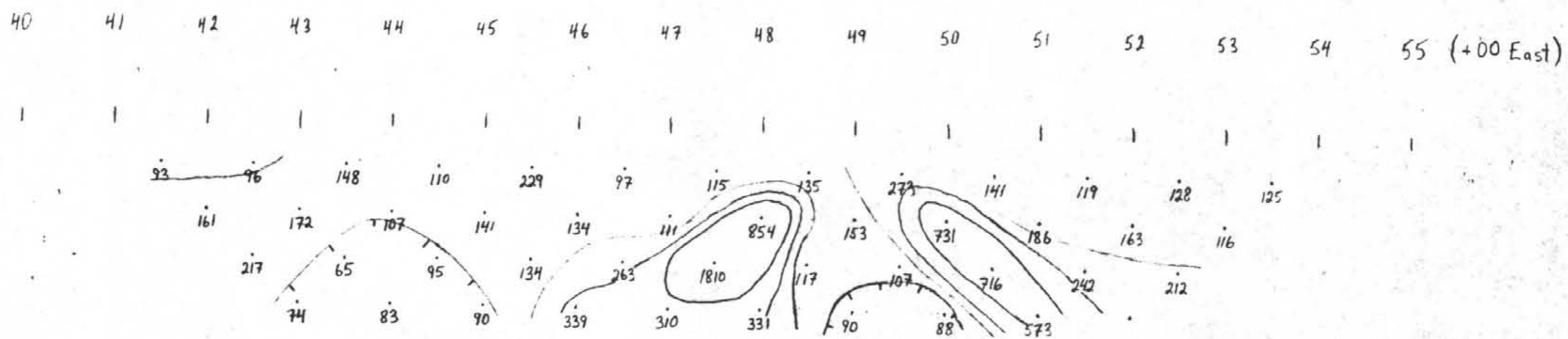
HERA RESOURCES INC.

REY LAKE PROPERTY
Nicola Mining Division, B.C. NTS 92 1-7E

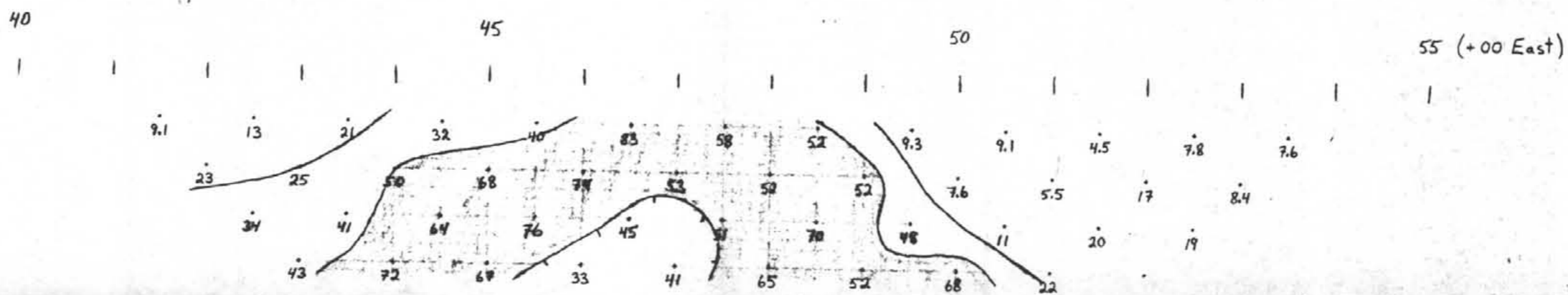
**Line 60 + 00N Pseudo Section
Rey Lake Grid**

To accompany a report by:
M. Falk, Geophysicist *M.F.*

Drawn By: MF Date: April 1993



ρ_a - APPARENT RESISTIVITY (ohm-meter)



M - CHARGEABILITY (msec)

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Figure 19

HERA RESOURCES INC.

REY LAKE PROPERTY
Nicola Mining Division, B.C. NTS 92 1-7E

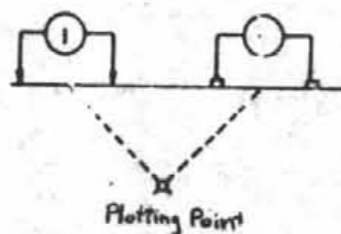
Line 59 + 00N (100m) Pseudo Section
Rey Lake Grid

To accompany a report by:
M. Falk, Geophysicist M.F.

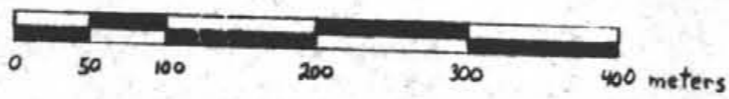
Drawn By: MF Date: April 1993

NOTES
INSTRUMENTS: HUNTEC MARK III
TIME DOMAIN: FREQ: 64 = 1/8 sec
TIME DELAY = 200 msec
INTEGRATION INTERVAL = 10 x 150 msp.
TRANSMITTER POWER: 7.5 kW
APPARENT RESISTIVITY: $\rho_a = \pi a n(n+1)(n+2)(i/I)$
a: Spacing = 100 meters

DIPOLE - DIPOLE ARRAY
ELECTRODE CONFIGURATION



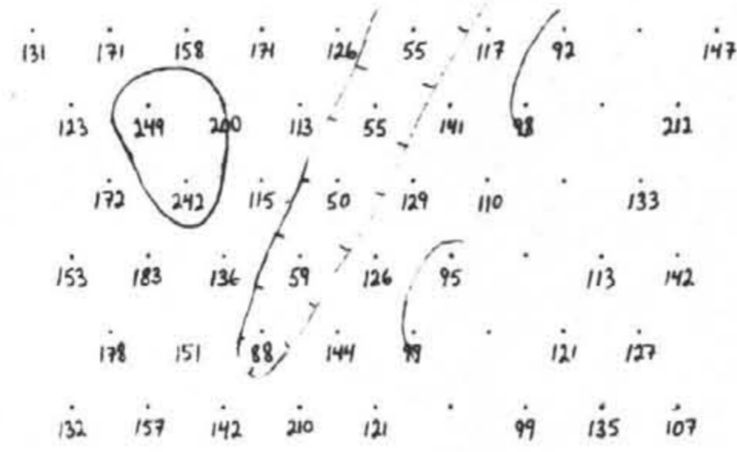
Scale 1:5000



ρ_a CONTOURS: 100, 200, 300, 500

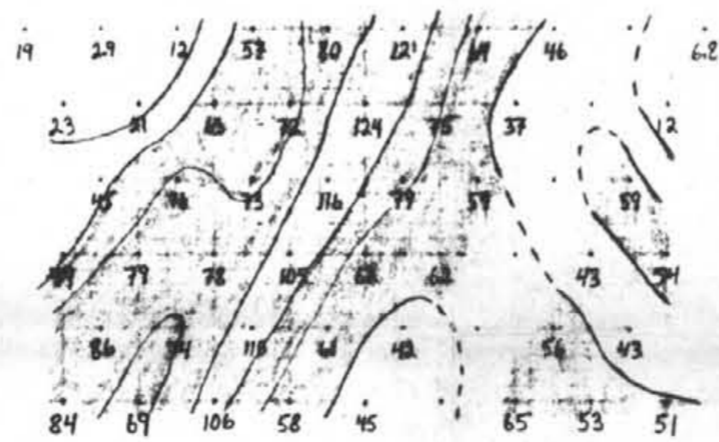
M CONTOURS: 25, 50

40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 (+00 East)



ρ_a - APPARENT RESISTIVITY (ohm-meter)

40 45 50 55 (+00 East)



M- CHARGEABILITY (msec)

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Figure 20

HERA RESOURCES INC.

REY LAKE PROPERTY
Nicola Mining Division, B.C. NTS 92 I-7E

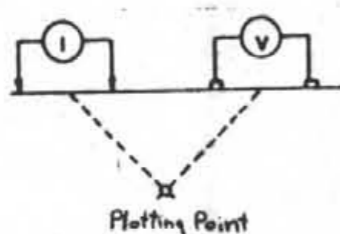
Line 59 + 00N (50m) Pseudo Section
Rey Lake Grid

To accompany a report by:
M. Falk, Geophysicist *M.F.*

Drawn By: MF Date: April 1993

NOTES
INSTRUMENTS: HUNTEC MARK II
TIME DOMAIN: FREQUENCY = $1/8$ sec
TIME DELAY = 200 msec
INTEGRATION INTERVAL = 10×150 msec
TRANSMITTER POWER: 7.5 kW
APPARENT RESISTIVITY: $\rho_a = \pi \tan(n+1)(n+2)(V/I)$
a: spacing = 50 meters

DIPOLE-DIPOLE ARRAY
ELECTRODE CONFIGURATION

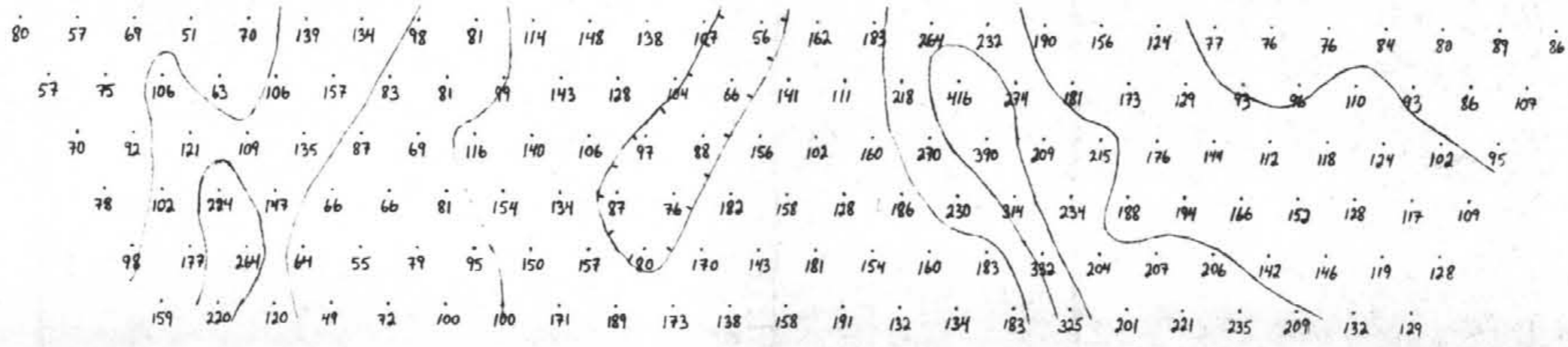


Scale 1:5000



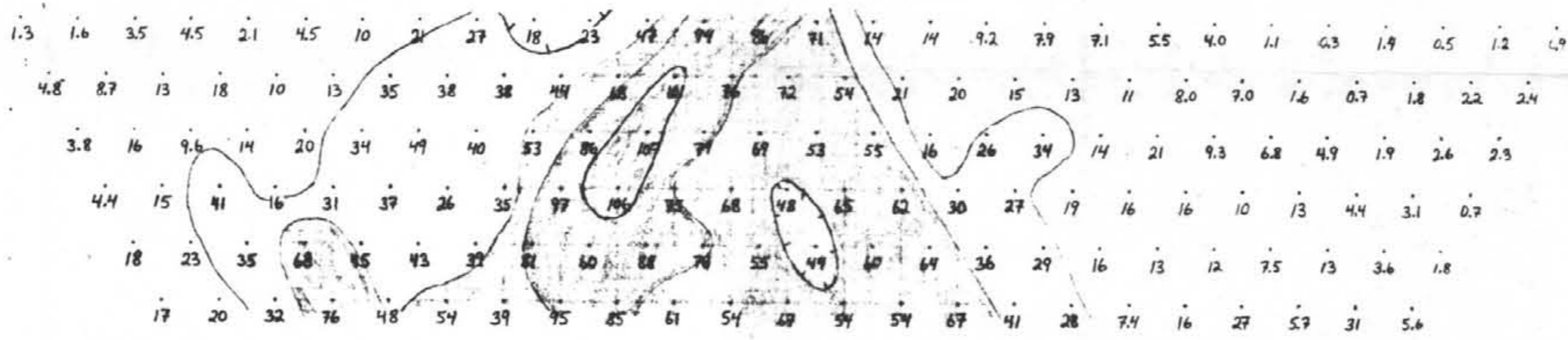
ρ_a CONTOURS: 100, 200, 300
M CONTOURS: 25, 50, 75, 100

40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 (+00 East)



ρ_a - APPARENT RESISTIVITY (ohm-meter)

40 45 50 55 (+00 East)



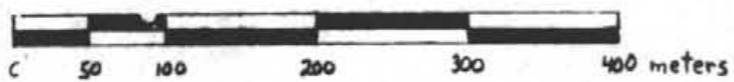
M - CHARGEABILITY (msec)

40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 (+00 East)



MF - METAL FACTOR (ohm-meter-msec)

Scale 1:5000



5800 N

ρ_a CONTOURS: 100, 200, 300
M CONTOURS: 25, 50, 75, 100
MF CONTOURS: 25, 75, 150, 300

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Figure 21

HERA RESOURCES INC.

REY LAKE PROPERTY
Nicola Mining Division, B.C. NTS 92 1-7E

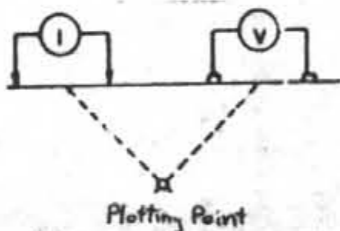
Line 58 + 00N Pseudo Section
Rey Lake Grid

To accompany a report by:
M. Falk, Geophysicist
Drawn By: MF Date: April 1993

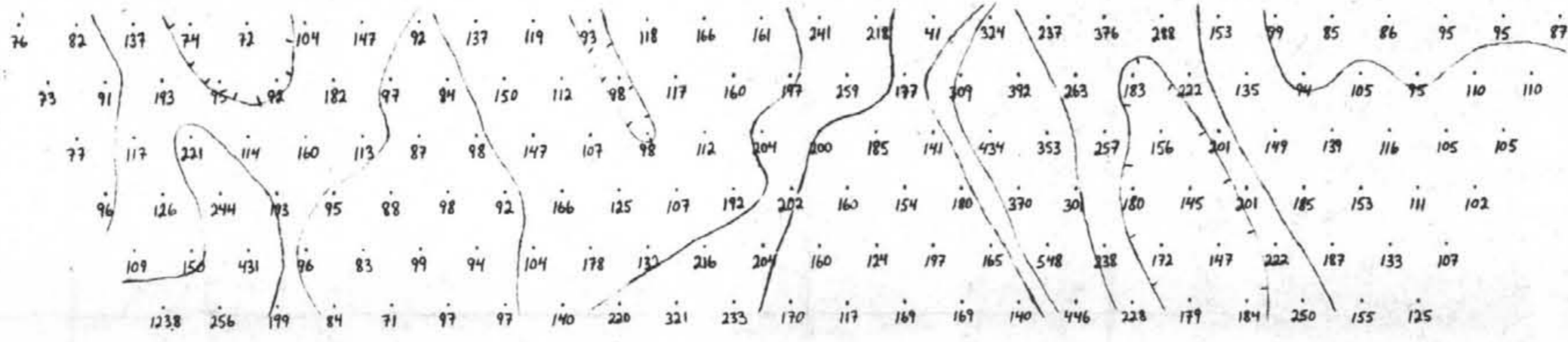
NOTES

INSTRUMENTS: HUNTEC MARK II
TIME DOMAIN: FREQUENCY = 1/8 Sec
TIME DELTA = 200 msec
INTEGRATION INTERVAL = 10 x 150 msec
TRANSMITTER POWER: 7.5 kW
APPARENT RESISTIVITY: $\rho_a = \pi \tan(n+1)(n+2)(V/I)$
 λ : Spacing = 50 meters

DIPOLE - DIPOLE ARRAY
ELECTRODE CONFIGURATION

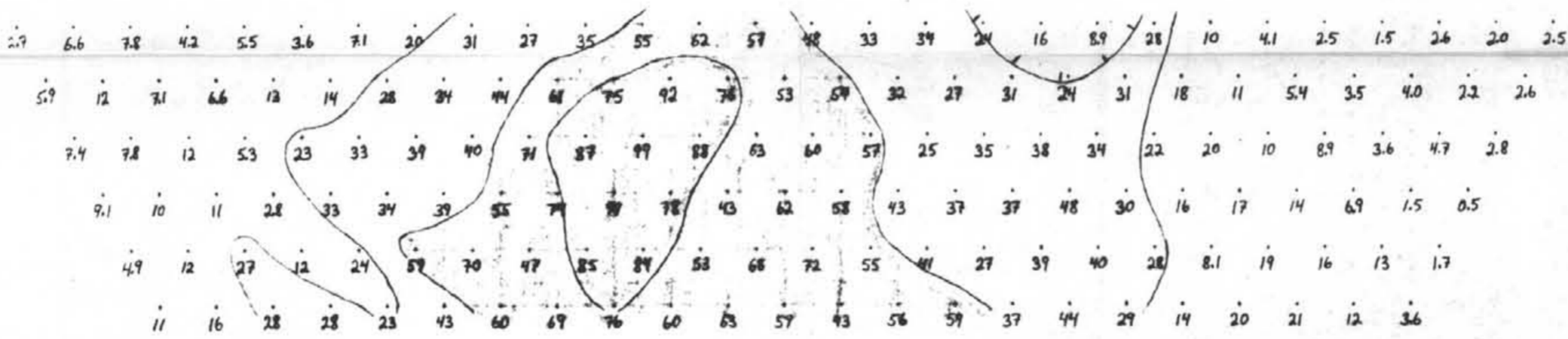


40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 (+00 East)



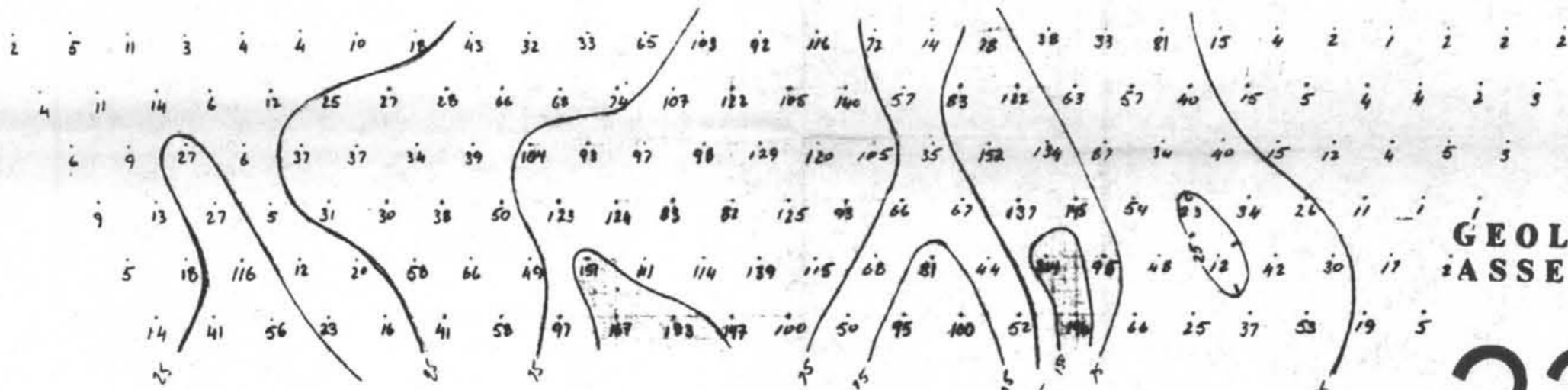
ρ_a - APPARENT RESISTIVITY (ohm-meter)

40 45 50 55 (+00 East)



M - CHARGEABILITY (msec)

40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 (+00 East)



MF - METAL FACTOR (ohm-meter-msec)

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Figure 22

HERA RESOURCES INC.

REY LAKE PROPERTY
Nicola Mining Division, B.C. NTS 92 1-7E

Line 57+00N Pseudo Section
Rey Lake Grid

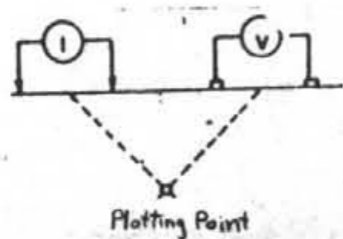
To accompany a report by:
M. Falk, Geophysicist

Drawn By: MF Date: April 1993

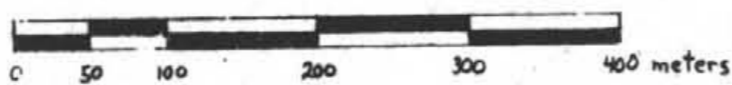
NOTES

INSTRUMENTS: HUNTEC MARK III
TIME DOMAIN: FREQUENCY = $\frac{1}{8}$ Sec
TIME DELAY = 200 msec
INTEGRATION INTERVAL = 10×150 msec
TRANSMITTER POWER: 7.5 kW
APPARENT RESISTIVITY: $\rho_a = \pi a n(n+1)(n+2)(V/I)$
a: Spacing = 50 meters

DIPOLE-DIPOLE ARRAY
ELECTRODE CONFIGURATION

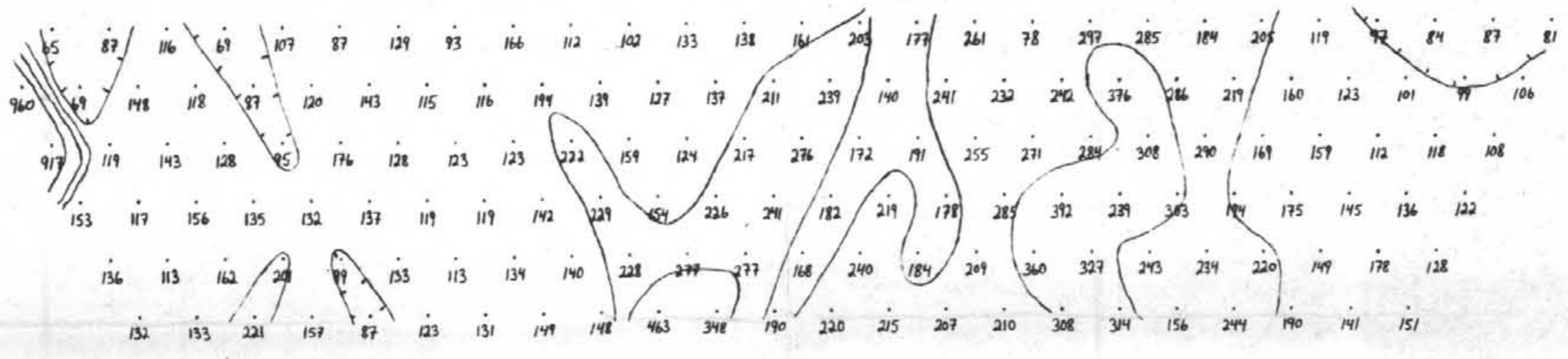


Scale 1:5000



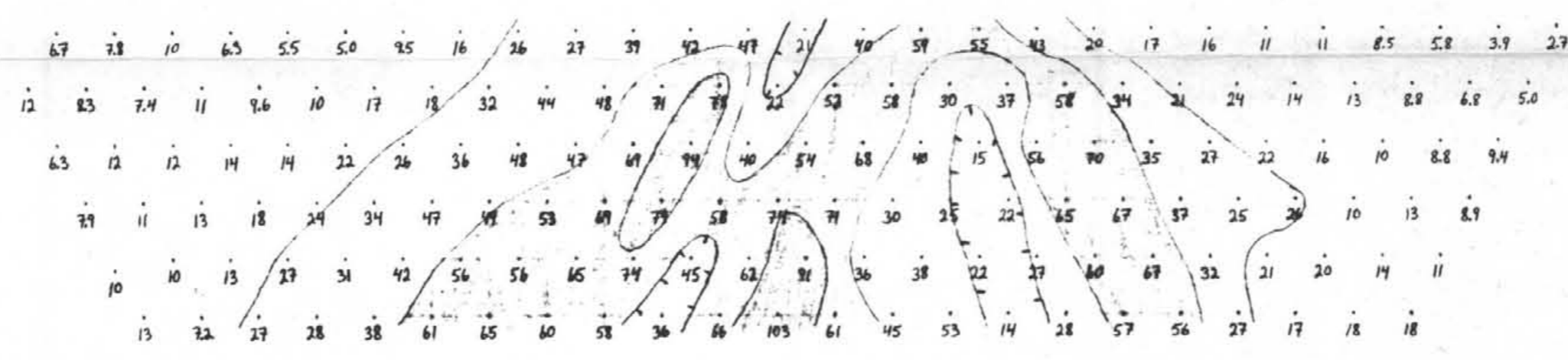
ρ_a CONTOURS: 100, 200, 300
M CONTOURS: 25, 50, 75
MF CONTOURS: 25, 75, 150, 300

40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 (+00 East)



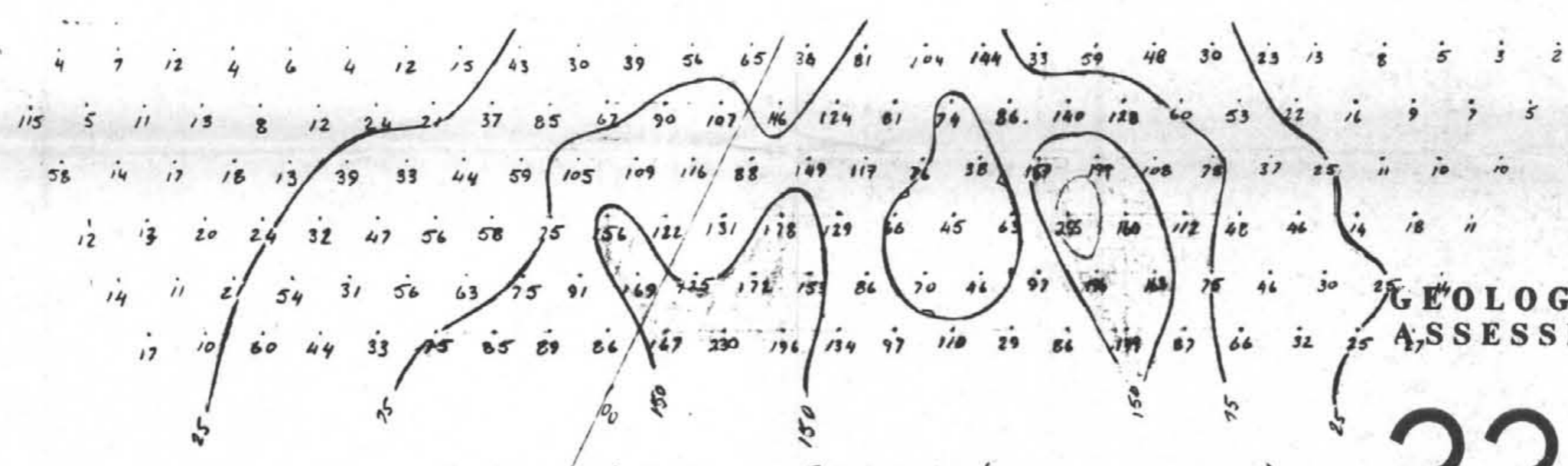
ρ_a - APPARENT RESISTIVITY (ohm-meter)

40 45 50 55 (+00 East)



M - CHARGEABILITY (msec)

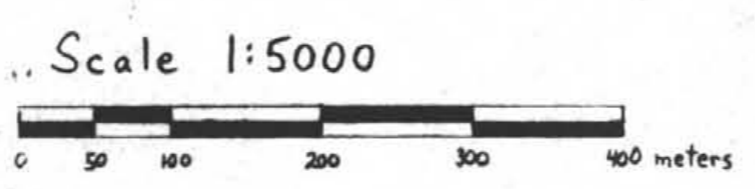
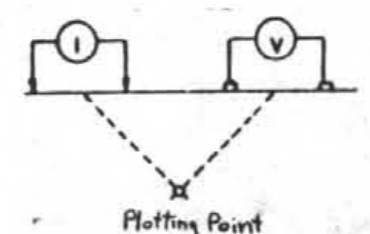
40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 (+00 East)



MF - METAL FACTOR (ohm-meter-msec)

22,900

NOTES
 INSTRUMENTS: HUNTEC MARK II
 TIME DOMAIN: FREQUENCY = 1/8 sec
 TIME DELAY = 200 msec
 INTEGRATION INTERVAL = 10 x 150 msec
 TRANSMITTER POWER: 7.5 kW
 APPARENT RESISTIVITY $\rho_a = \pi a n(n+1)(n+2)(V/I)$
 a: Spacing = 50 meters
 DIPOLE-DIPOLE ARRAY
 ELECTRODE CONFIGURATION



ρ_a CONTOURS: 100, 200, 300, 500
 M CONTOURS: 25, 50, 75
 MF CONTOURS: 25, 75, 150, 300

Figure 23

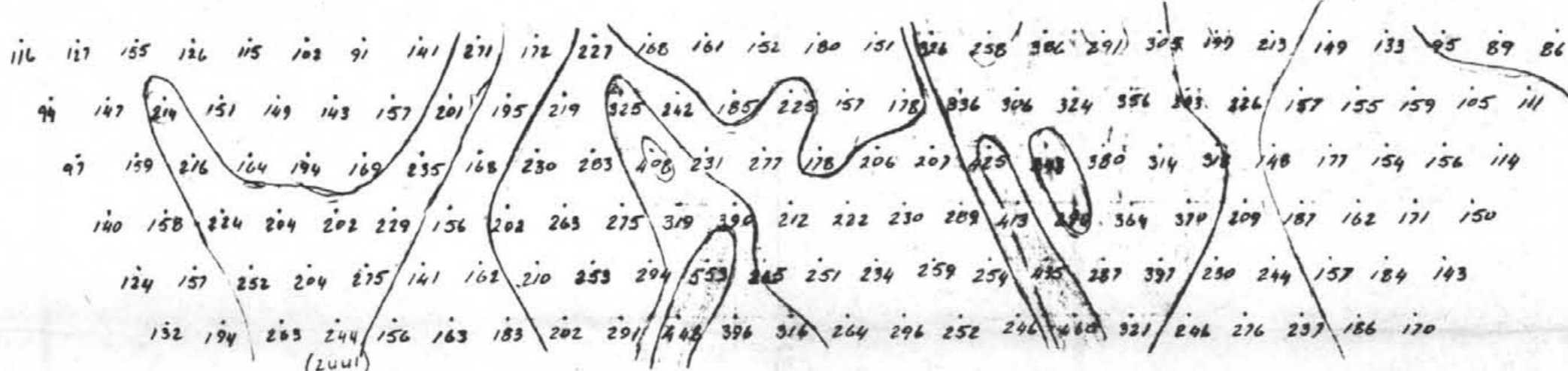
HERA RESOURCES INC.
 REY LAKE PROPERTY
 Nicola Mining Division, B.C. NTS 92-1-7E

**Line 56+00N Pseudo Section
 Rey Lake Grid**

To accompany a report by: *M.F.*
 M. Falk, Geophysicist

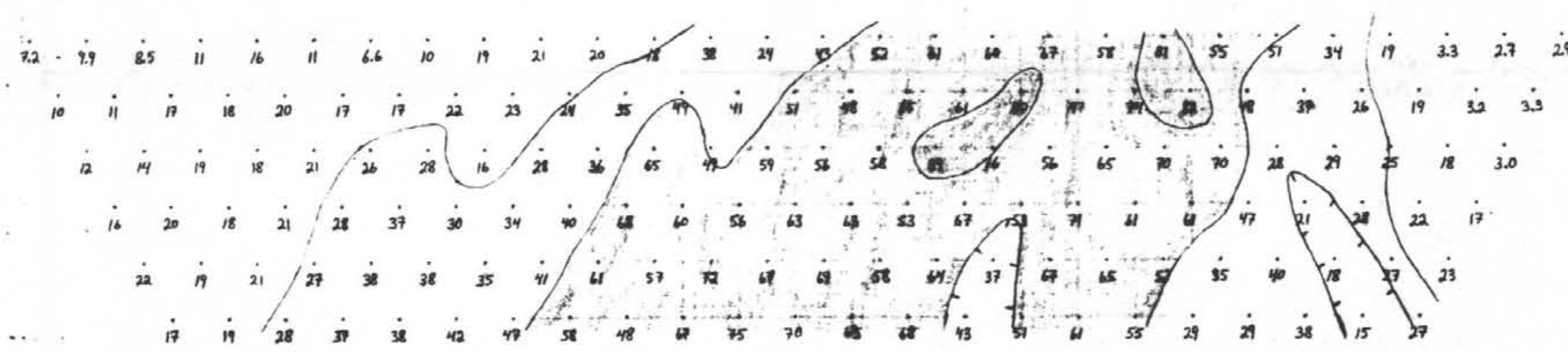
Drawn By: MF Date: April 1993

40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 (+100 East)



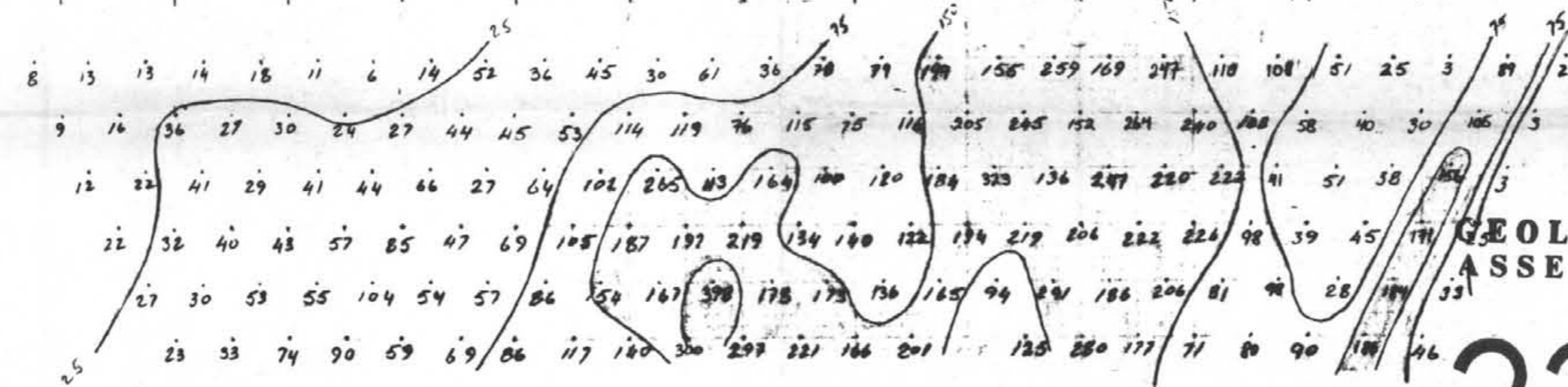
ρ_a - APPARENT RESISTIVITY (ohm-meter)

40 45 50 55 (+100 East)



M - CHARGEABILITY (msec)

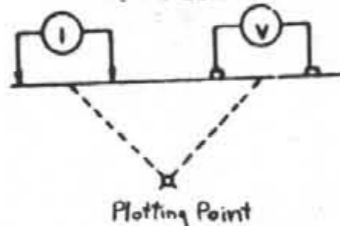
40 45 50 55 (+100 East)



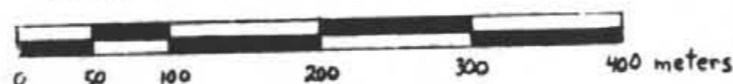
MF - METAL FACTOR (ohm-meter-msec)

22,900

NOTES
 INSTRUMENTS: HUNTEC MARK III
 TIME DOMAIN: FREQUENCY = 1/8 sec
 TIME DELAY = 200 msec
 INTEGRATION INTERVAL = 10 x 150 msec
 TRANSMITTER POWER: 7.5 kW
 APPARENT RESISTIVITY: $\rho_a = \pi a n(n+1)(n+2)(V/I)$
 a: spacing = 50 meters
 DIPOLE - DIPOLE ARRAY
 ELECTRODE CONFIGURATION



Scale 1:5000



ρ_a CONTOURS: 100, 200, 300
 M CONTOURS: 25, 50
 MF CONTOURS: 25, 75, 150, 300

Figure 24

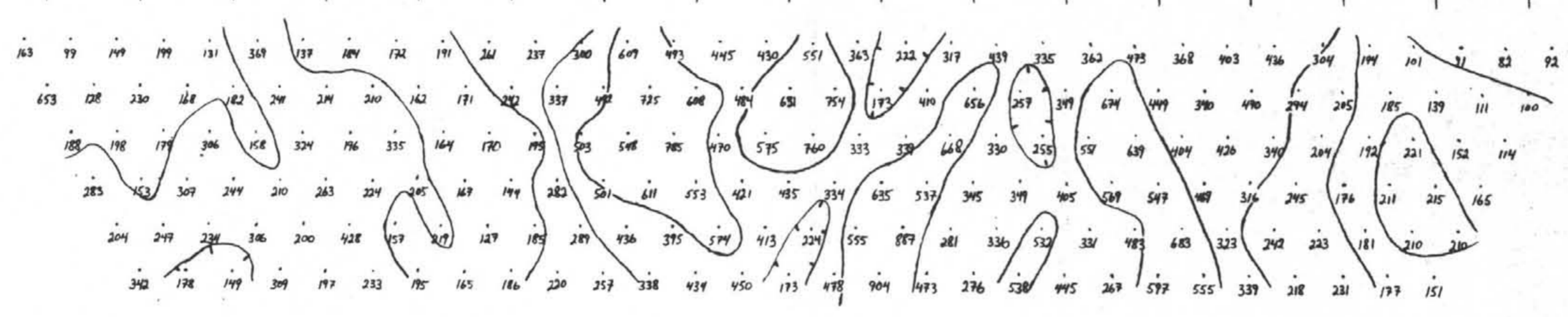
HERA RESOURCES INC.
 REY LAKE PROPERTY
 Nicola Mining Division, B.C. NTS 92 1-7E

**Line 55 + 00N Pseudo Section
 Rey Lake Grid**

To accompany a report by:
 M. Falk, Geophysicist

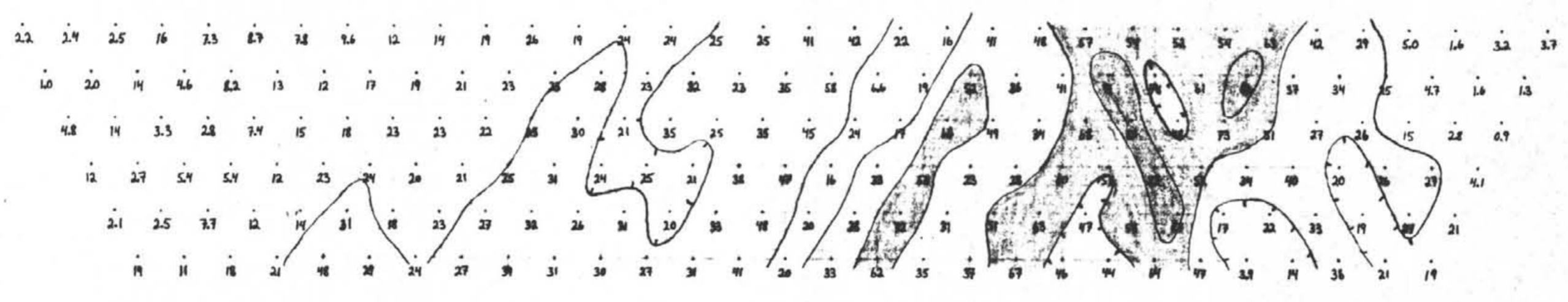
Drawn By: MF Date: April 1993

37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 (+00 East)



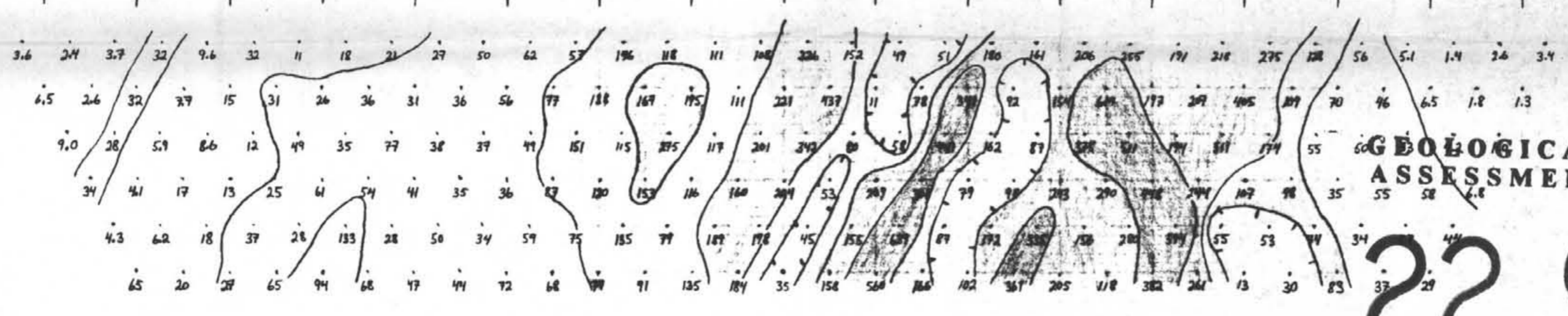
ρ_a - APPARENT RESISTIVITY (ohm-meter)

40 45 50 55 (+00 East)

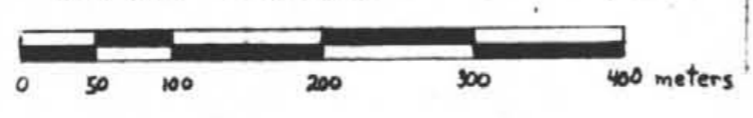


M - CHARGEABILITY (msec)
LINE 53+00N

40 45 50 55 (+00 East)

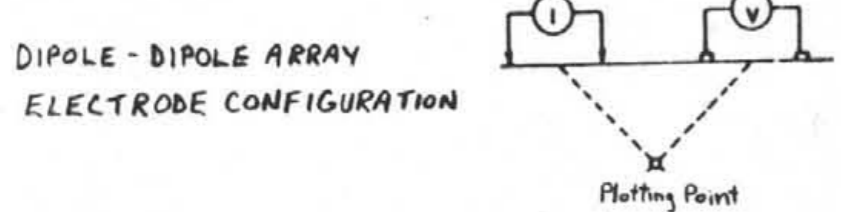


Scale 1:5000 MF - METAL FACTOR (ohm-meter-msec)



ρ_a CONTOURS: 100, 200, 300, 500
M CONTOURS: 25, 50, 75
MF CONTOURS: 25, 75, 150, 300

NOTES
INSTRUMENTS: HUNTEC MARK II
TIME DOMAIN: FREQUENCY = 1/8 sec
TIME DELAY = 200 msec
INTEGRATION INTERVAL = 10 x 150 msec
TRANSMITTER POWER: 7.5 kW
APPARENT RESISTIVITY: $\rho_a = \pi a n (n+1)(n+2)(V/I)$
a: spacing = 50 meters



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Figure 26

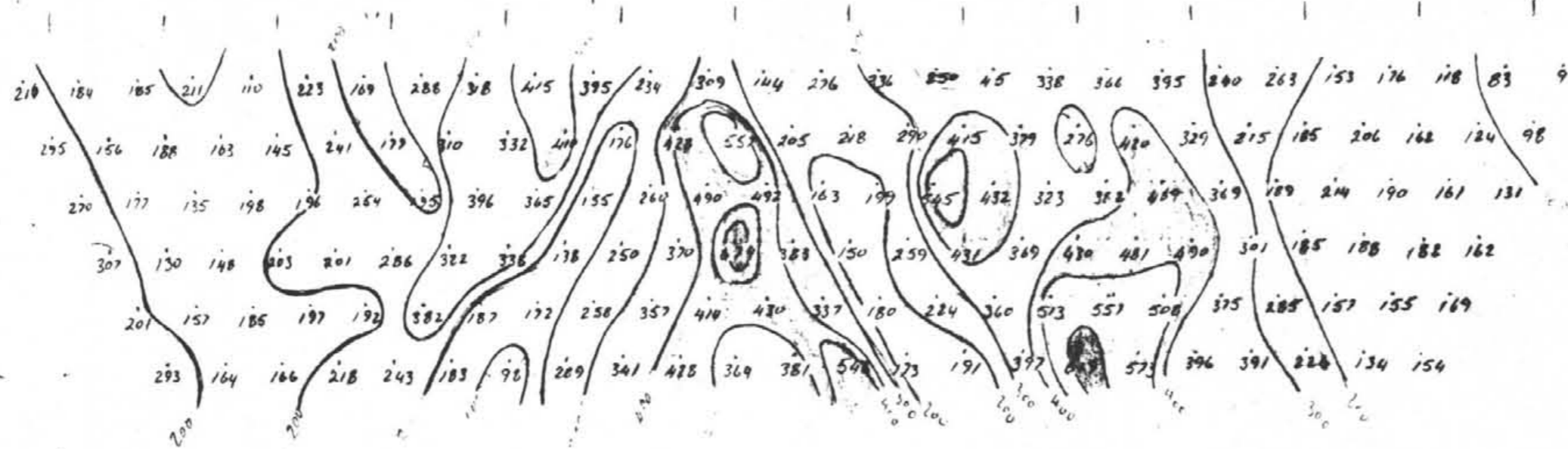
HERA RESOURCES INC.
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Nicola Mining Division, B.C. NTS 92 1-7E

**Line 53+00N Pseudo Section
Rey Lake Grid**

To accompany a report by:
M. Falk, Geophysicist M.F.

Drawn By: MF Date: April 1993

40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 (+00 East)



P_a APPARENT RESISTIVITY (ohm-meter)
LINE 54+00 N

40 42 44 46 48 50 52 54 55 (+00 East)



M - CHARGEABILITY (msec)
LINE 54+00 N

40 42 44 46 48 50 52 54 55 (+00 East)



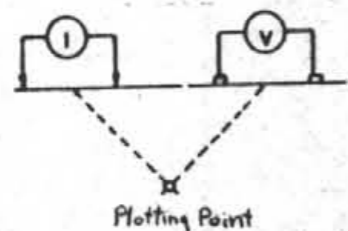
MF - METAL FACTOR (ohm-meter-msec)

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Figure 25

NOTES
INSTRUMENTS: HUNTEC MARK III
TIME DOMAIN: FREQUENCY γ sec
TIME DELAY = 200 msec
INTEGRATION INTERVAL = 10×150 msec
TRANSMITTER POWER: 7.5 kW
APPARENT RESISTIVITY: $\rho_a = \pi a n(n+1)(n+2)(V/I)$
a: spacing = 50 meters



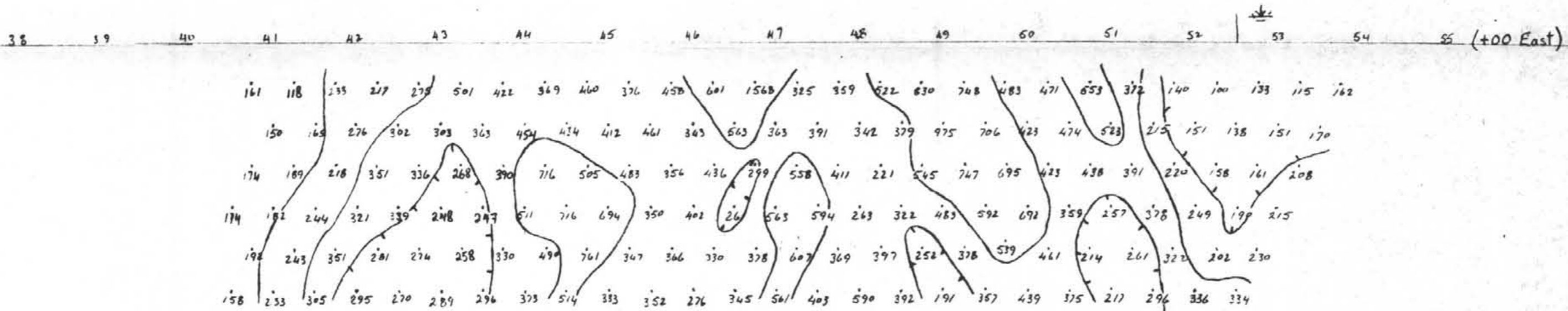
Scale 1:5000



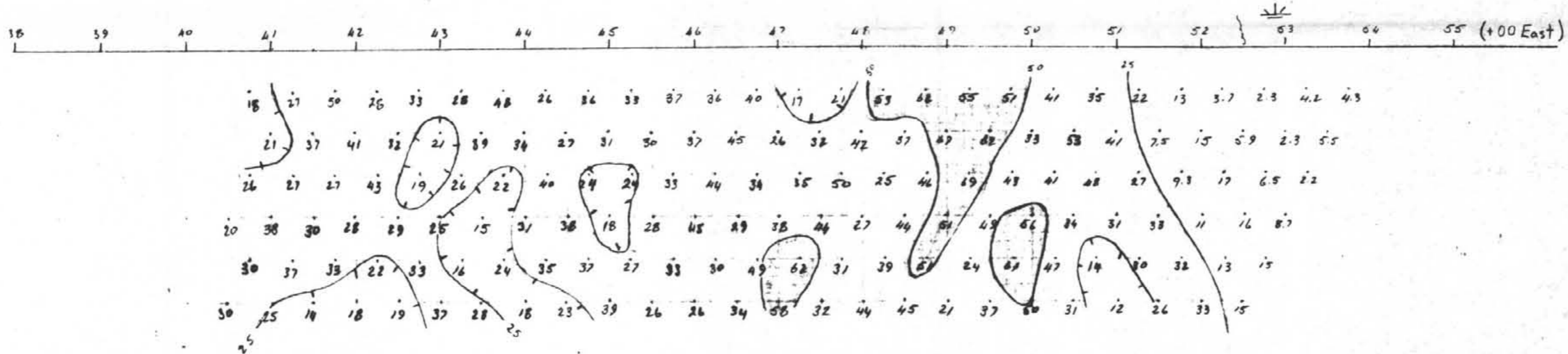
P_a CONTOURS: 100, 200, 300, 500
M CONTOURS: 25, 50, 75
MF CONTOURS: 25, 75, 150, 300

DIPOLE - DIPOLE ARRAY
ELECTRODE CONFIGURATION

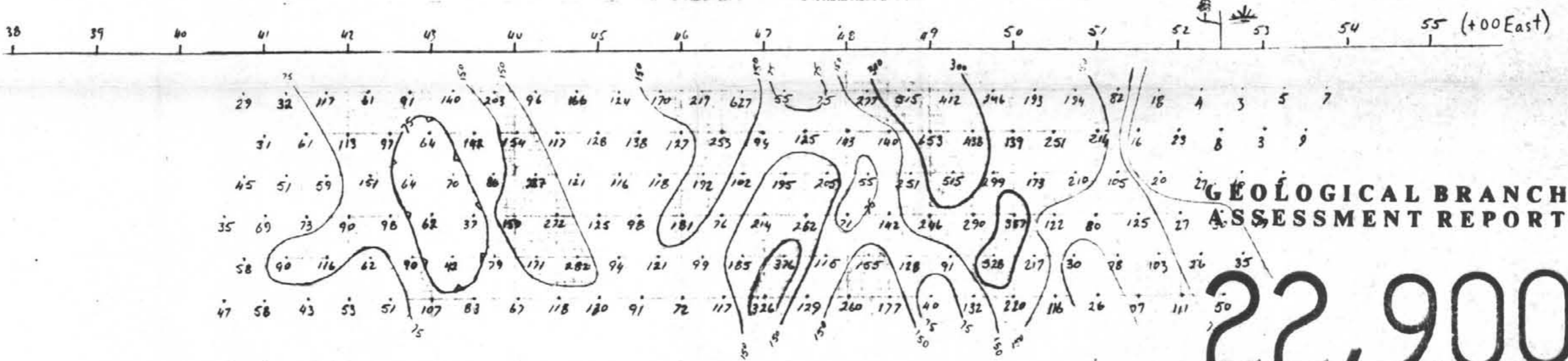
HERA RESOURCES INC.
REY LAKE PROPERTY
Nicola Mining Division, B.C. NTS 92 L-7E
Line 54+00N Pseudo Section
Rey Lake Grid
To accompany a report by: M.F.
M. Falk, Geophysicist
Drawn By: MF Date: April 1993



ρ_a - APPARENT RESISTIVITY (ohm-meter)



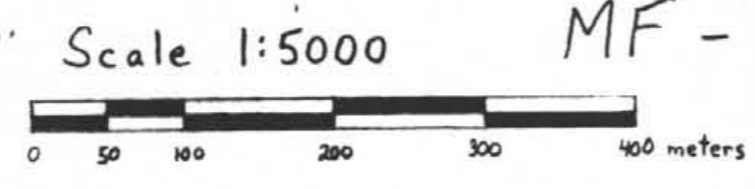
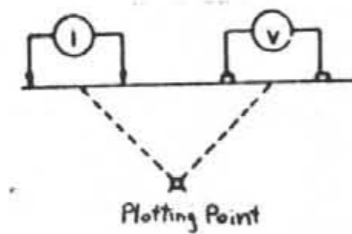
M - CHARGEABILITY (msec)



MF - METAL FACTOR (ohm-meter-msec)

NOTES
 INSTRUMENTS: HUNTEC MARK III
 TIME DOMAIN: FREQUENCY = 1/8 Sec
 TIME DELAY = 200 msec
 INTEGRATION INTERVAL = 10 x 150 msec
 TRANSMITTER POWER: 7.5 kW
 APPARENT RESISTIVITY: $\rho_a = \pi a n(n+1)(n+2)(V/I)$
 a: Spacing = 50 meters

DIPOLE-DIPOLE ARRAY
 ELECTRODE CONFIGURATION



ρ_a CONTOURS: 100, 200, 300, 500
 M CONTOURS: 25, 50
 MF CONTOURS: 25, 75, 150, 300

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Figure 27

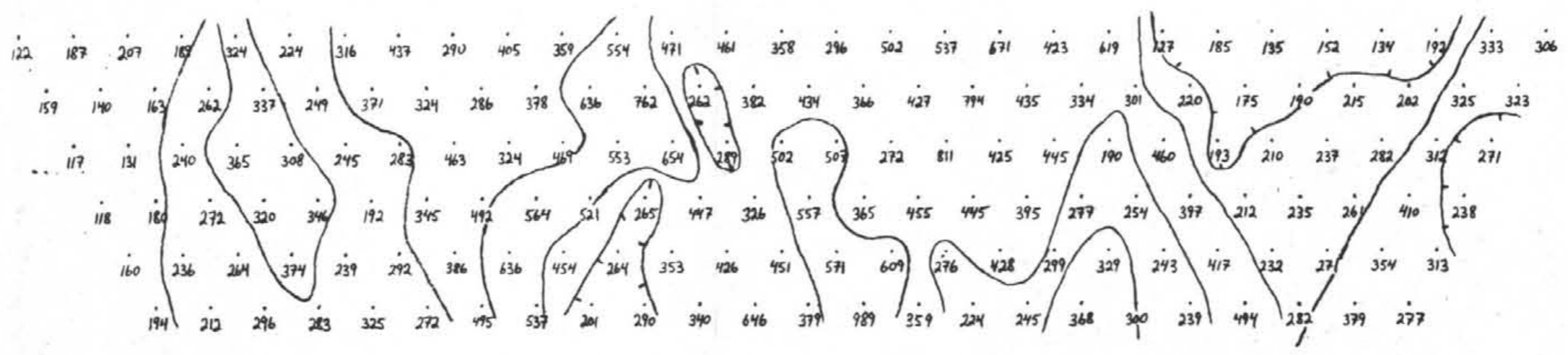
HERA RESOURCES INC.
 REY LAKE PROPERTY
 Nicola Mining Division, B.C. NTS 92 1-7E

**Line 52+00N Pseudo Section
 Rey Lake Grid**

To accompany a report by:
 M. Falk, Geophysicist M.F.

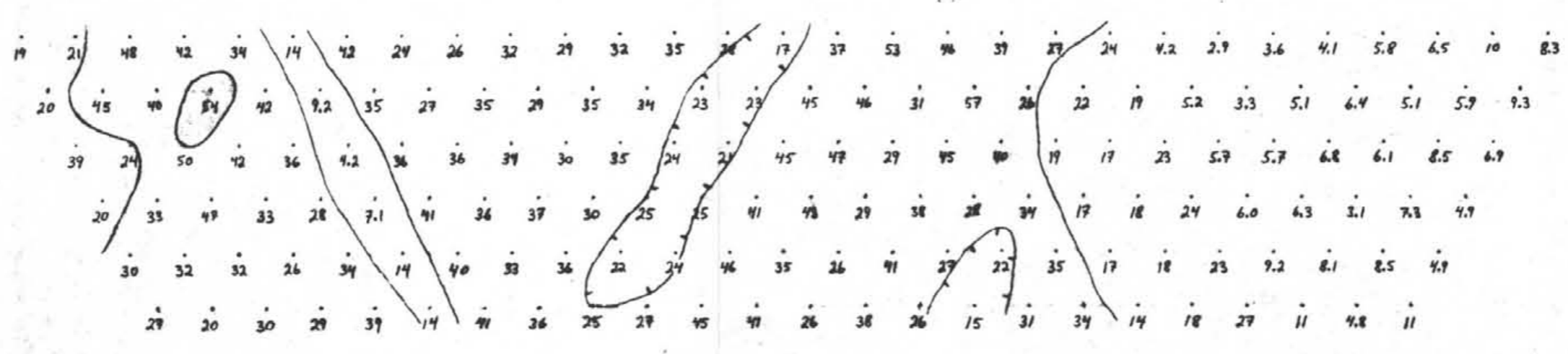
Drawn By: MF Date: April 1993

39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 (+00 East)



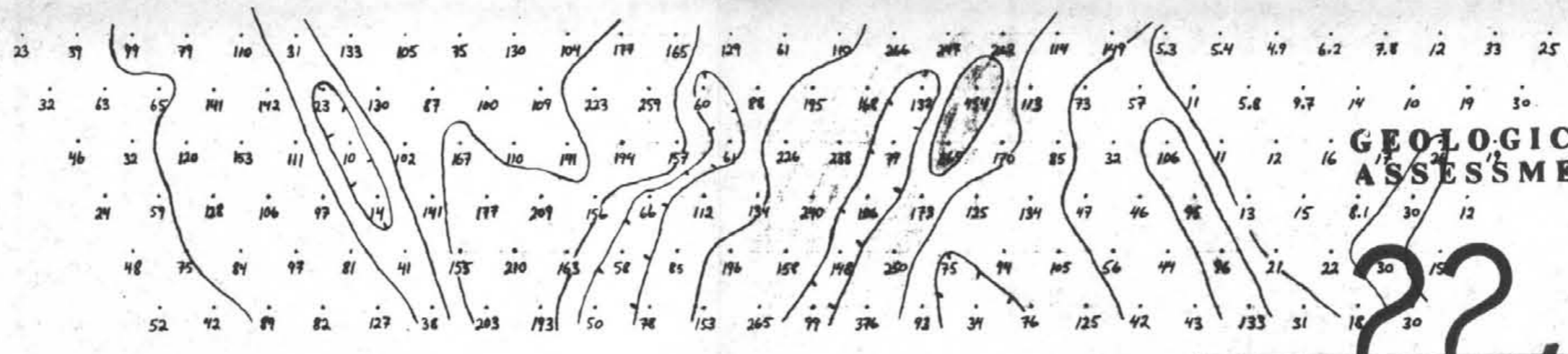
ρ_a - APPARENT RESISTIVITY (ohm-meter)

40 45 50 55 (+00 East)

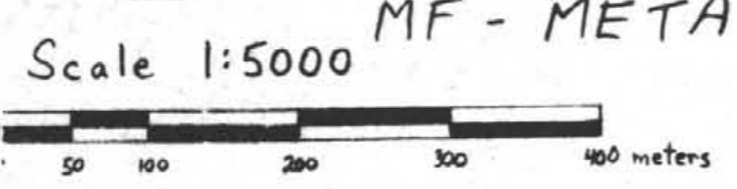


M - CHARGEABILITY (msec)

40 45 50 55 (+00 East)



MF - METAL FACTOR (ohm-meter-msec)



ρ_a CONTOURS: 100, 200, 300, 500
M CONTOURS: 25, 50
MF CONTOURS: 25, 75, 150, 300

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Figure 28

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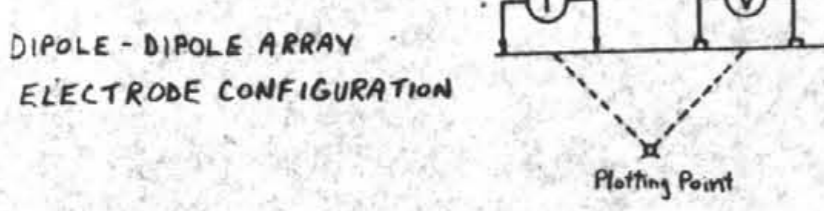
REY LAKE PROPERTY
Nicola Mining Division, B.C. NTS 92 I-7E

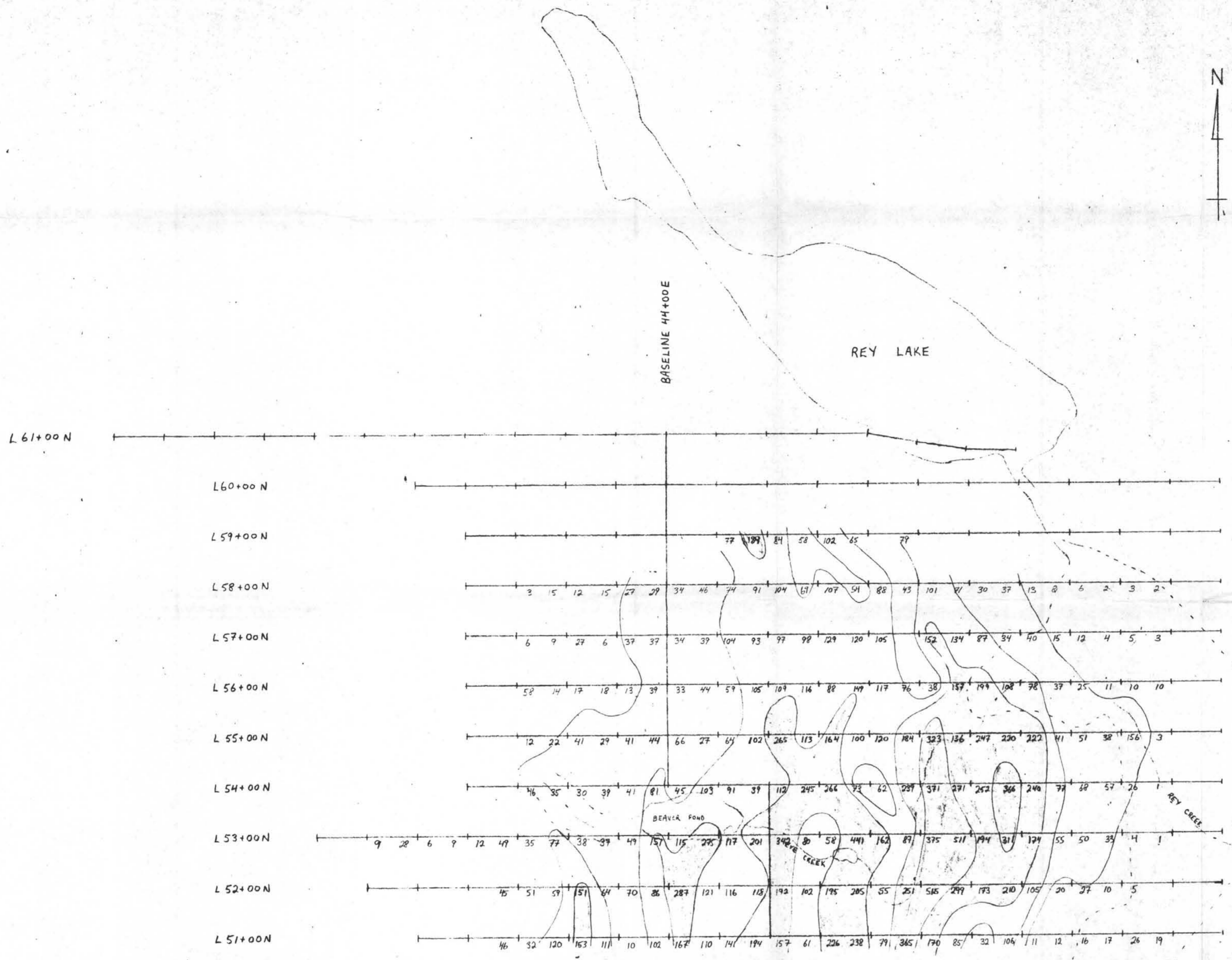
Line 51+00N Pseudo Section
Rey Lake Grid

To accompany a report by: M.F.
M. Falk, Geophysicist

Drawn By: MF Date: April 1993

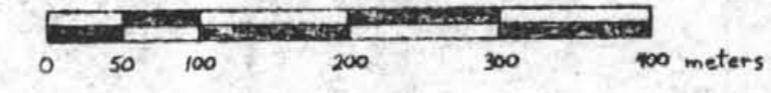
NOTES
INSTRUMENTS: HUNTEC MARK III
TIME DOMAIN: FREQUENCY = 1/8 sec
TIME DELAY = 200 msec
INTEGRATION INTERVAL = 10 x 10^-3 msec
TRANSMITTER POWER: 7.5 kW
APPARENT RESISTIVITY: $\rho_a = \pi \tan(n+1) \cdot (1+i) \cdot (V/I)$
a: spacing = 50 meters





NOTES
 INSTRUMENTS: HUNTEC MARK III
 TIME DOMAIN: frequency = 18 Hz
 TIME DELAY = 200 msec
 INTEGRATION INTERVAL = 10 x 150 msec
 TRANSMITTER POWER: 7.5 kW
 METAL FACTOR: ohm-meter-msec
 a: spacing = 50 meters
 CONTOURS: 75, 150, 300

Scale 1:5000



**GEOLOGICAL BRANCH
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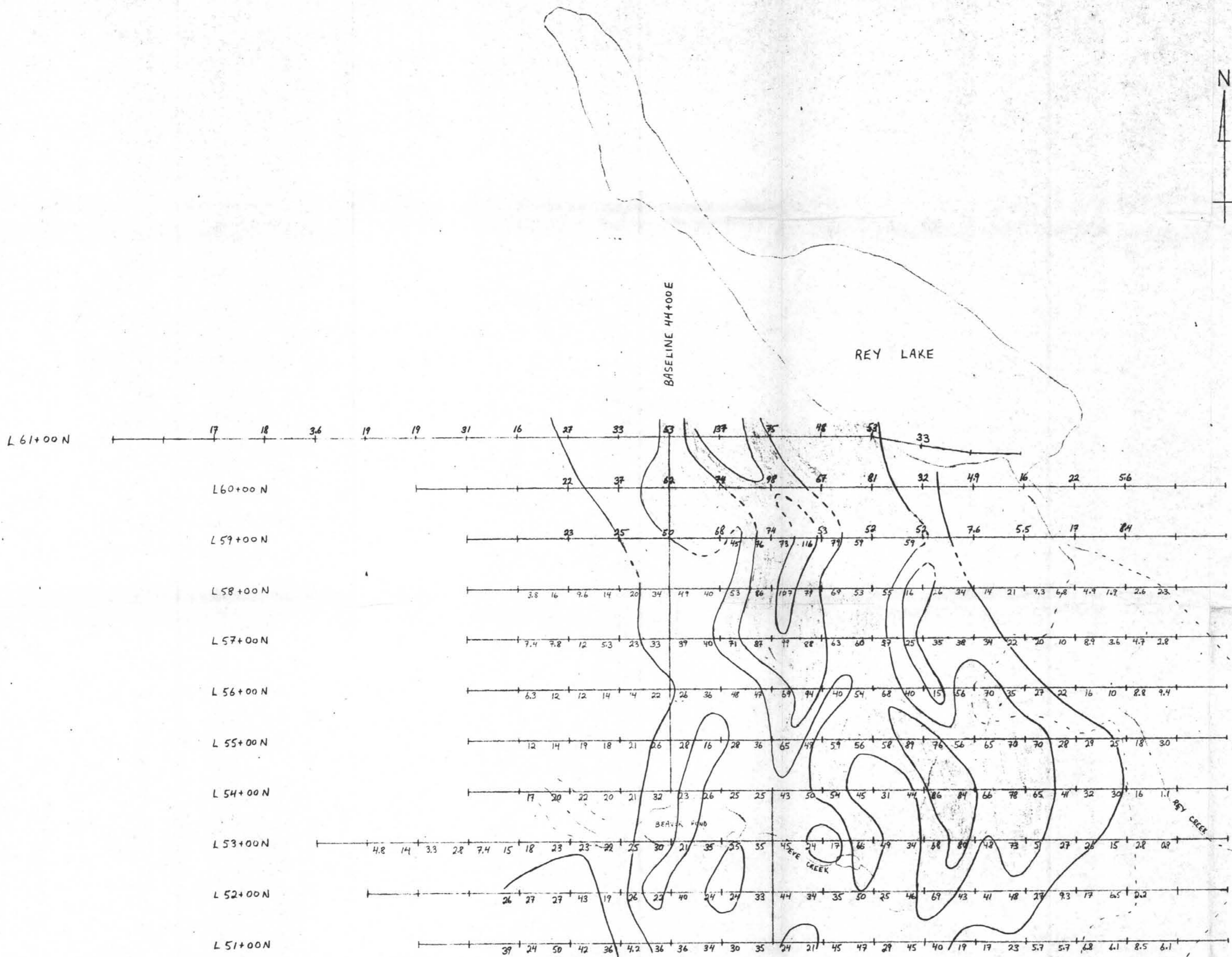
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REY LAKE PROPERTY
 Nicola Mining Division, B.C. NTS 92 I-7E

**Metal Factor Plot Plan Map
 Rey Lake Grid**

To accompany a report by: M.F.
 M. Falk, Geophysicist
 Drawn By: MF Date: April 1993

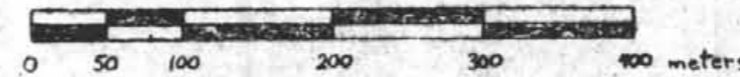
Figure 29



NOTES

INSTRUMENTS: HUNTEC MARK II
 TIME DOMAIN: frequency = 18 Hz
 TIME DELAY = 200 msec
 INTEGRATION INTERVAL = 10 = 150 msec
 TRANSMITTER POWER: 7.5 kW
 CHARGEABILITY: msec
 a: spacing = 50 meters
 CONTOURS: 25, 50, 75, 100

Scale 1:5000



**GEOLOGICAL BRANCH
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 HERA RESOURCES INC.

Figure 30

REY LAKE PROPERTY
 Nicola Mining Division, B.C. NTS 92 1-7E

**Chargeability Plot Plan Map
 Rey Lake Grid**

To accompany a report by M.F.
 M. Falk, Geophysicist

Drawn By: MF Date: April 1993