ARIS SUMMARY SHEET

District Geologist, Kamloops — Off Confidential: 92.08.08

ASSESSMENT REPORT 21770 — MINING DIVISION: Nicola

PROPERTY: Rey Lake
LOCATION: LAT 50 20 00 LONG 120 42 00
UTM 10 5578004 663689
NTS 092I07E

CAMP: 014 Swakum Mountain Area

CLAIM(S): Blue Jay,Lucky Mike,Alemeda
OPERATOR(S): Hera Res.
AUTHOR(S): Hepp, M.A.;Falk, M.E.
REPORT YEAR: 1991, 15 Pages
COMMODITIES
SEARCHED FOR: Copper,Molybdenum/Molybdenite,Gold
KEYWORDS: Triassic,Nicola Group,Andesites,Quartz monzonites
WORK
DONE: Geophysical
IPOL 3.3 km
Map(s) - 1; Scale(s) - 1:5000
MINFILE: 092ISE160

HERA RESOURCES INC.

Geophysical Report on the

Rey Lake Property

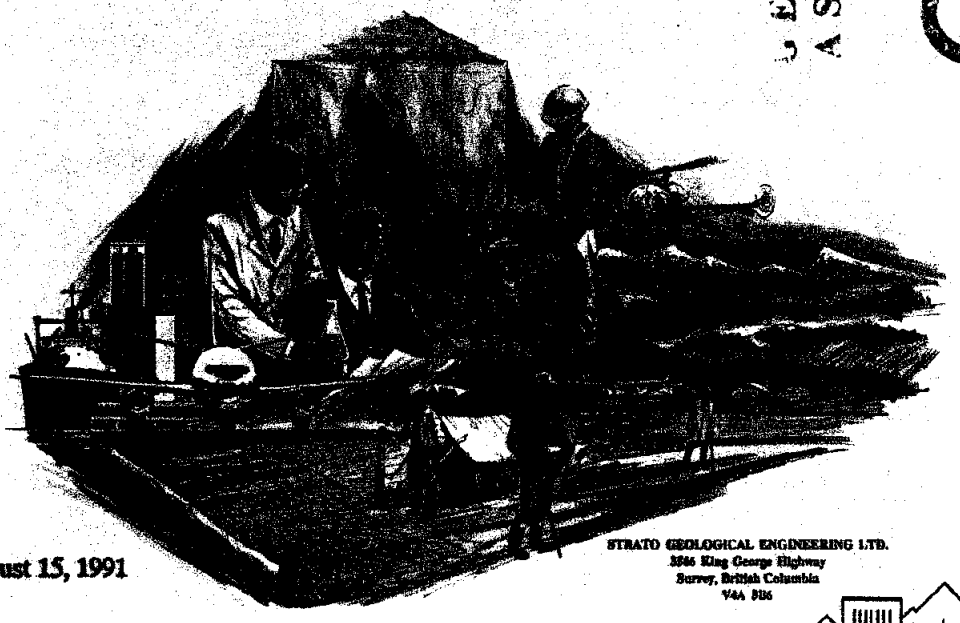
Nicola M. D., British Columbia

N. Latitude: 50° 20' 00" W. Longitude: 120° 42' 00"

NTS 92 I - 7E

By

M.A. Hepp M.Sc.
and
M.E. Falk B. Sc.



August 15, 1991

STRATO GEOLOGICAL ENGINEERING LTD.
3546 King George Highway
Surrey, British Columbia
V4A 5B6

STRATO GEOLOGICAL ENGINEERING LTD.

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STRATO GEOLOGICAL ENGINEERING LTD.

1.0 Introduction

This report describes an IP/Resistivity program performed on the Blue Jay claim group from July 17 to July 23, 1991. A total of 3,300 meters were surveyed in three parallel east-west lines. The lines first evaluated previously known showings on the north (Line A) as a base line survey. Lesser known areas 500 (Line B) and 1,000 meters to the south (Line C) were tested to expand the area of previously known mineralization.

1.1 Property and Ownership

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

The 82 claim units are grouped are as follows:

Claim name	Units	Recorded Number	Expiry
Blue Jay	20	2388	June 1992
Blue Jay 1	2	2409	August 1991
Blue Jay 2	4	2410	August 1991
Blue Jay 3	16	2411	August 1991
Blue Jay 4	20	2412	August 1991
Blue Jay 5	4	2413	August 1991
Lucky Mike	12	1484	April 1995
Old Alameda 8	1	372	January 1995
Old Alameda 9	1	373	January 1995
Old Alameda	1	374	January 1995
Old Alameda I	1	375	January 1995

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-I/7E map sheet.

Figure 1

HERA RESOURCES INC.

REY LAKE AREA
Nicola M.D.– NTS 92I/7

PROPERTY LOCATION MAP

To accompany a report by:
M. Hepp, P. Geol
& M. Falk, B.Sc.

July, 1991

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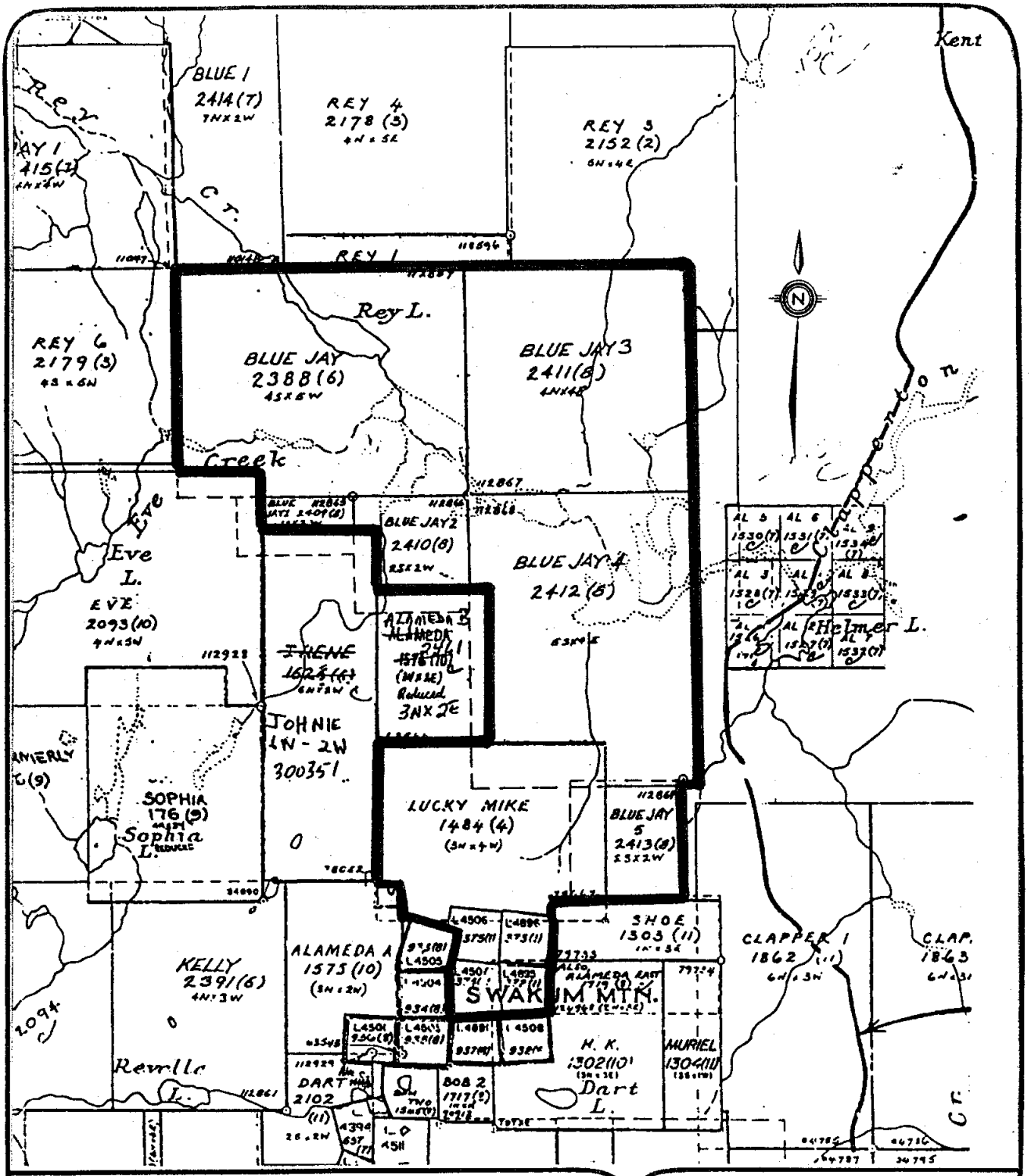

After: Department of Mines & Petroleum Resources
Victoria, B.C. Claim Map, Sheet M 92I/7E

FELLOW
GEOLOGICAL ASSOCIATION OF CANADA
M. A. HEPP

Figure 2

HERA RESOURCES INC.

REY LAKE AREA
Nicola M.D.– NTS 92I/7

CLAIM MAP

To accompany a report by:
M. Hepp, P. Geol
& M. Falk, B.Sc.

July. 1991

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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 mudholes.

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 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.

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 Swakum Mountain mineral occurrences of scheelite, galena, sphalerite and chalcopyrite.

Asarco conducted the most extensive investigation of the Rey Lake porphyry copper outcrops over the years 1972-1973 with a program of geophysics and drilling of 86 percussion holes and 17 diamond drill holes around Rey Lake to test several I.P. anomalies. Subsequently, Craigmont Mines Ltd. drilled 10 diamond drill holes in 1974-1975 and 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.

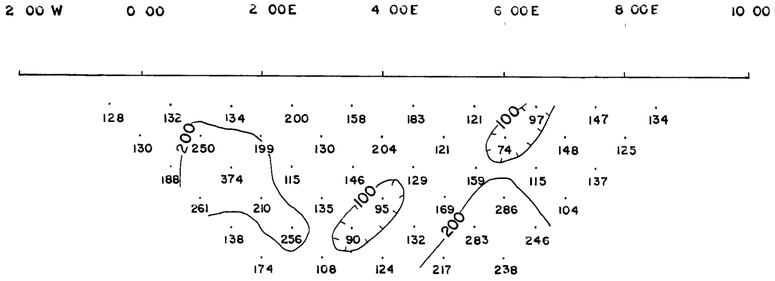
A principal result of the Asarco program was the location in several holes of a substantial breccia zone and an adjacent skarn zone both well mineralized with copper and molybdenum sulfides.

An evaluation of 5 diamond drill holes and 4 percussion holes from the Asarco program showed a drill indicated tonnage of 31,250,000 tons grading 0.20% copper and 0.021% molybdenum in one zone of approximate dimensions 500 ft. wide by 1500 ft. long and 500 ft. deep. The zone is open to the west, south and depth. Additionally, there are several I.P. lows which have yet to be investigated.

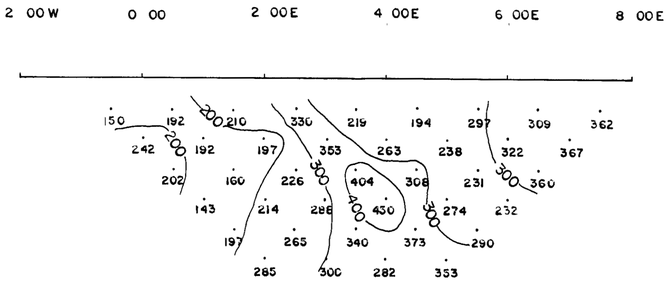
2.0 Geology

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 primarily sulfide present is pyrite, but significant copper and molybdenum values also occur. This mineralization was the target of the IP/Resistivity survey.



ρ_a – APPARENT RESISTIVITY (Ω-m)



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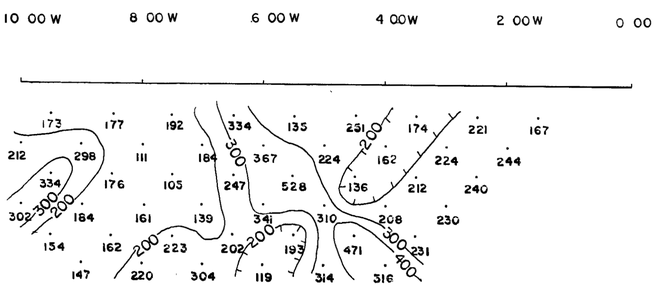
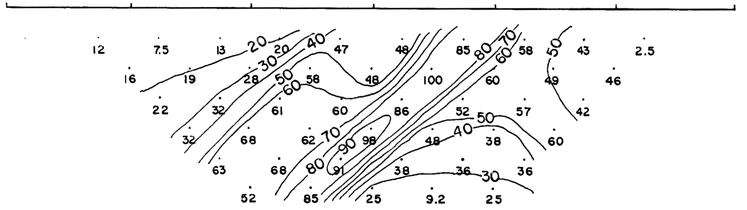
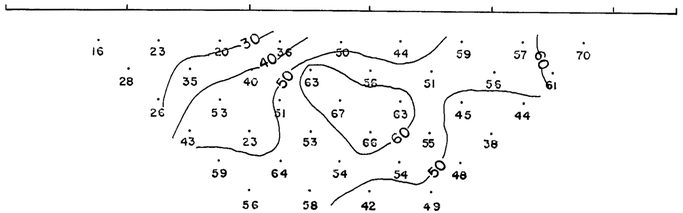


ρ_a – APPARENT RESISTIVITY (Ω-m)



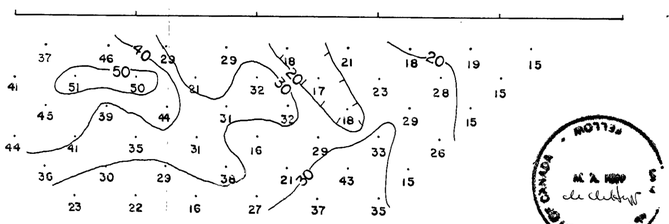
M - CHARGEABILITY (msec)

LINE A



M - CHARGEABILITY (msec)

LINE B

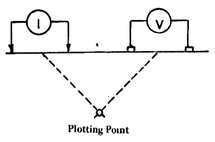


M - CHARGEABILITY (msec)

LINE C

RESISTIVITY – I.P. SURVEY

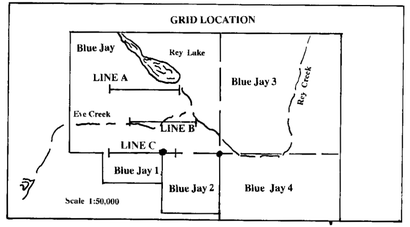
DIPOLE – DIPOLE ARRAY
Electrode Configuration



INSTRUMENTS:	Tx: Huntec M4 Rx: Huntec M4
TIME DOMAIN:	f = 1/8Hz, Tp = 200 msec, T1 = 150 msec
Tx POWER:	7.5 kW
RESISTIVITY:	Ω – Meters
APPARENT RESISTIVITY:	$\rho a = \pi an(n+1)(n+2)(V/I)$

M – CHARGEABILITY: msec

a = spacing = 100 meters



Scale: (1:5000)

0 50 100 200 m

Figure 4

HERA RESOURCES INC.

BLUE JAY CLAIM GROUP
Nicola M.D., NTS 921/7

INDUCED POLARIZATION
PSEUDO – SECTION PLOTS

To accompany a report by
M. Hepp M.Sc P. Geol. & M. Falk B. Sc

Drawn by: M.F./J.L.R.

Date: July 1991

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3.0 Geophysics

Three east-west trending IP/Resisitivity survey test lines (A, B, & C), totalling 3.3 kilometers in length, were located to evaluate previous work and survey methods and to establish new areas to the south. The survey lines are shown on Figure 3. The lines are located with approximately 500 meter spacing between the lines, and their eastern ends are located at unaccessible portions of Rey Lake and Rey Creek marsh and swamp.

The survey employed the 7.5 KW Huntec Mark IV transmitter system and the Huntec Mark IV receiver. The electrode configuration was a dipole-dipole type with an electrode interval of 100 meters. The equipment was used to make time domain I.P. measurements. Apparent resistivity and chargeability values were obtained for values of n = 1 to 6. These results are displayed on pseudo-section plots of each survey line.

Line A is located with its eastern end (10 + 00E) where Rey Lake narrows and it extends 1200 meters to the west. The most significant feature is a zone of high chargeability (up to 100 msec) which surfaces at about 6 + 00E. Low values of apparent resistivity (less than 100 Ω-m) are associated with this zone. This zone coincides with a previously known area of mineralization.

Line B is located 100 meters north of the beaver pond on Eve Creek. The eastern end (9 + 00E) is on the shore of the marsh on Rey Creek and 1100 meters away, its western end is on a marsh on Eve Creek. The most interesting feature of line B is an area of high resistivity (over 400 Ω - m) and high chargeability (over 60 msec) located at 4 + 00 E. This may be an area of previously unknown mineralization. There is also a zone of high chargeability (up to 70 msec), at the eastern end of the line (7 + 50 E). This corresponds with an area of previously known mineralization.

Line C is located with its eastern end at the marsh along the southern boundary of the Blue Jay claim/northern boundary of the Blue Jay 1 claim. The line is 1000 meters long. The pseudo-section of this line shows two features: a relatively high chargeability (over 30 msec), high resistivity (over 400 Ω - m) area located at 4 +50 W and a high chargeability (over 40 msec), relatively high resistivity (over 300 Ω- m) zone located at about 9 + 50W.

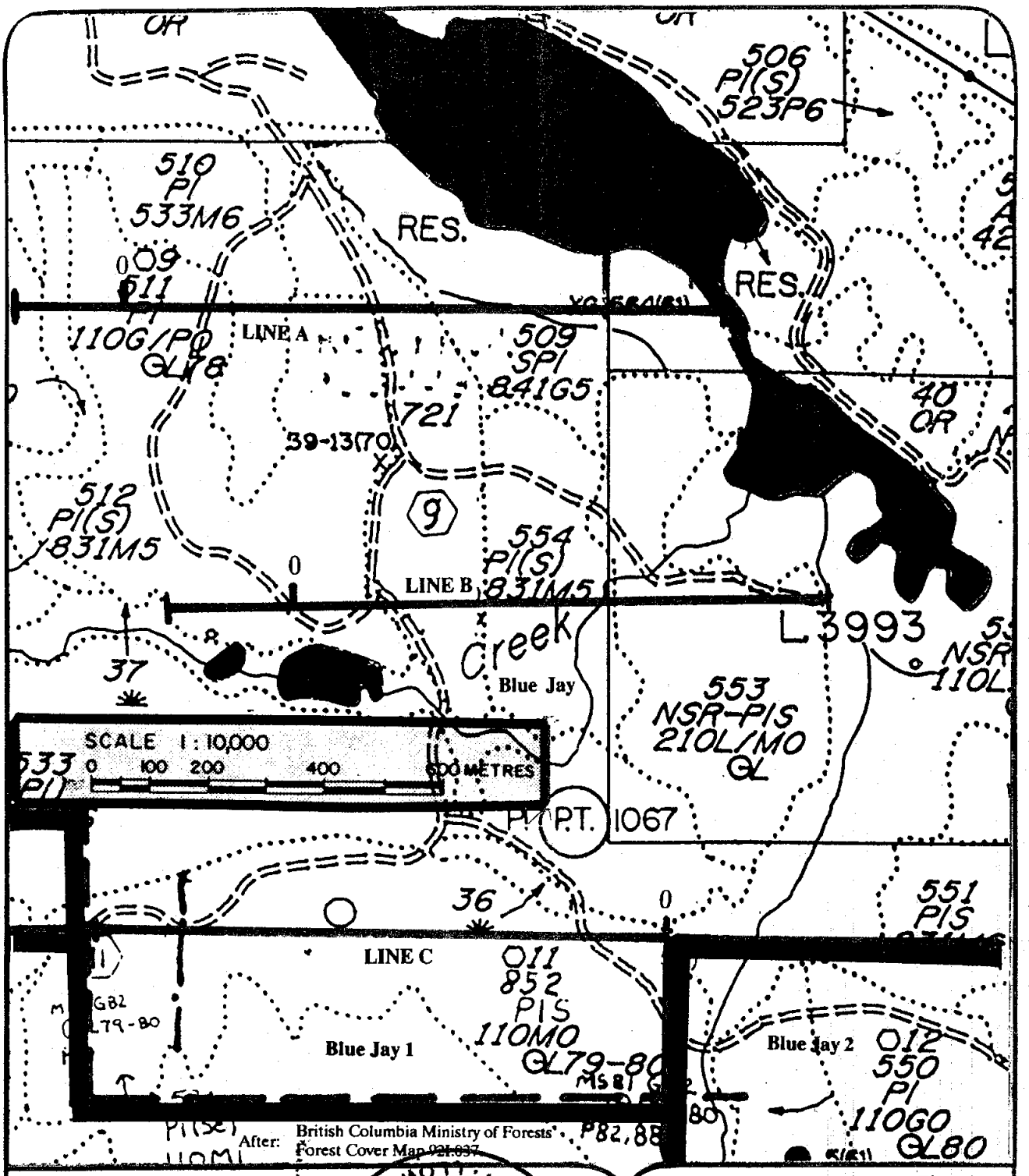

Figure 3

HERA RESOURCES INC.

REY LAKE AREA
Nicola M.D.– NTS 921/7

SURVEY LINES LOCATION

To accompany a report by:
M. Hepp, P. Geol
& M. Falk, B.Sc.

July, 1991

STRATO GEOLOGICAL ENGINEERING LTD.

These two features are not as well defined as the features on lines A and B and there is uncertainty as to what they represent.

4.0 Conclusions

The three IP/Resistivity survey lines performed on the Blue Jay claim group show that IP/Resistivity is a good method to find disseminated and stockwork sulfide mineralization in this area of limited bedrock exposures. Line A was over previously known showings and showed them as an area of high chargeability (6 + 00E). Line B showed an area of high chargeability (7 + 50E) which is located over other known showings. An additional zone of high chargeability and resistivity at 4 + 00E is a new find. Line C showed less defined areas of high chargeability which should be resurveyed with a shorter electrode interval.

5.0 Statements of Qualifications

I, Michael A.Hepp, of 9505 117th Street, of the City of Delta, Province of British Columbia, hereby certify that:

1. I graduated in 1972 from Western Washington University with a Master of Science in Geology.

2. I am employed as a Geologist by Strato Geological Engineering Ltd, with offices at 3566 King George Highway, Surrey, B.C., V4A 5B6.

3. I have practiced my profession as a Geologist, since 1972 and had been employed in mineral exploration during the summers prior to 1972.

4. I am a Fellow of the Geological Association of Canada.

5. This report is based on field examinations I performed on the property during July of 1991.

DATED at Surrey, Province of British Columbia, this 15th day of August, 1991.

Michael A. Hepp, MSc.

Geologist

I, Marvin E.Falk, of 602 1380 Jervis 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. V4A 5B6.

3. I have practiced my profession as Geophysicist since 1987.

4. This report is based on field examinations I performed on the property during July of 1991.

Dated at Surrey, Province of British Columbia, this 15th day of August,1991.

Marvin Falk

Marvin E. Falk

Geophysicist

TIME-COST DISTRIBUTION

Hera Resources Inc.

Work Program: Line cutting and I.P. Survey

Property: Blue Jay, Blue Jay 1-5, Lucky Mike, Old Alameda, Old Alameda 1, Old Alameda 8, 9, located in the Nicola M.D., British Columbia.

Period: July 17, 1991 to August 1, 1991.

Personnel:

Michael Hepp	Geologist
Marvin Falk	Geophysicist
Geoff Smith	Technician
Geoff Richards	Draftsperson
Carolyn Selby	Draftsperson
Frank DiSpirito	Professional Engineer

Cost Distribution:

Labour	$5,950.00
Room and Board	1,069.00
Transportation	1,050.00
Report, Drafting, Interpretation	2,800.00
Field Supplies	600.00
Geophysical Equipment	4,500.00
Sub Total	$15,800.00
GST	1,106.00
TOTAL	$16,906.00

Signed _____

Strato Geological Engineering Ltd.