HEMLO GOLD MINES INC.

REPORT OF WORK

FOWLER #1 PROPERTY

N.T.S. 42C13

SUPERIOR DISTRICT

Project No 429
Hemlo, Ontario
March 9, 1995

Paul Johnston
Geologist
Hemlo Gold Mines Inc.
Superior District

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List of Figures and Maps

SUMMARY

During the period of June 14 through to November 29, 1994, a work program consisting of geological mapping and sampling, a magnetometer survey, an Induced Polarization/Resistivity survey, and overburden trenching / stripping was conducted on the Fowler #1 claim group. This claim group is located approximately 6 km east of Highway 614 and 15 km north of Highway 17.

The results of this work have shown that a strong alteration system is centred on a small quartz-feldspar porphyry stock referred to as the Armand Creek Quartz Feldspar Porphyry (ACQFP). Despite disappointing results of samples taken from surface exposures, the geological similarities between this property and Hemlo warrant further work. Drilling has been proposed to evaluate the alteration across the ACQFP with emphasis on its southern contact where it has not been intruded by the Musher Lake Porphyry.

1.0 INTRODUCTION

During the period of June 14 through to November 29, 1994, an exploration program consisting of geological mapping, magnetometer and I.P. surveys, and overburden trenching/stripping/channelling was conducted on the Fowler #1 property. The results of this work program are contained herein.

Work focused on delineating a quartz-feldspar porphyritic unit with characteristics similar to the quartz-feldspar porphyry intrusion associated with the Hemlo gold deposit.

2.0 LOCATION AND ACCESS (Figure 1)

The Fowler #1 property extends from Musher Lake to approximately 1.0 km east of Highway 614. The centre of the property is located 18 km northeast of the Hemlo Mines.

The property is accessed from the Twist Lake timber road, which crosses Highway 614, approximately 15 km north of the Highway 17/ 614 junction.

3.0 PROPERTY DESCRIPTION (Figure1)

The mining claims on which exploration work was performed are:

CLAIM NUMBERS	# of units
TB 1099990	1
TB 1153692	1
TB 1166521	1
TB 1166522	1
TB 1166523	1
TB 1166524	1
TB 1166525	1
TB 1166526	1
TB 1183291	1
TB 1183292	1
TB 1196846	2
TB 1196847	12
TB 1196848	10
TB 1196849	8
TB 1196850	2
TB 1197158	6
16 claims	40

The above claims are held by Hemlo Gold Mines Inc. and form part of an option agreement with Fowler/Shuman.

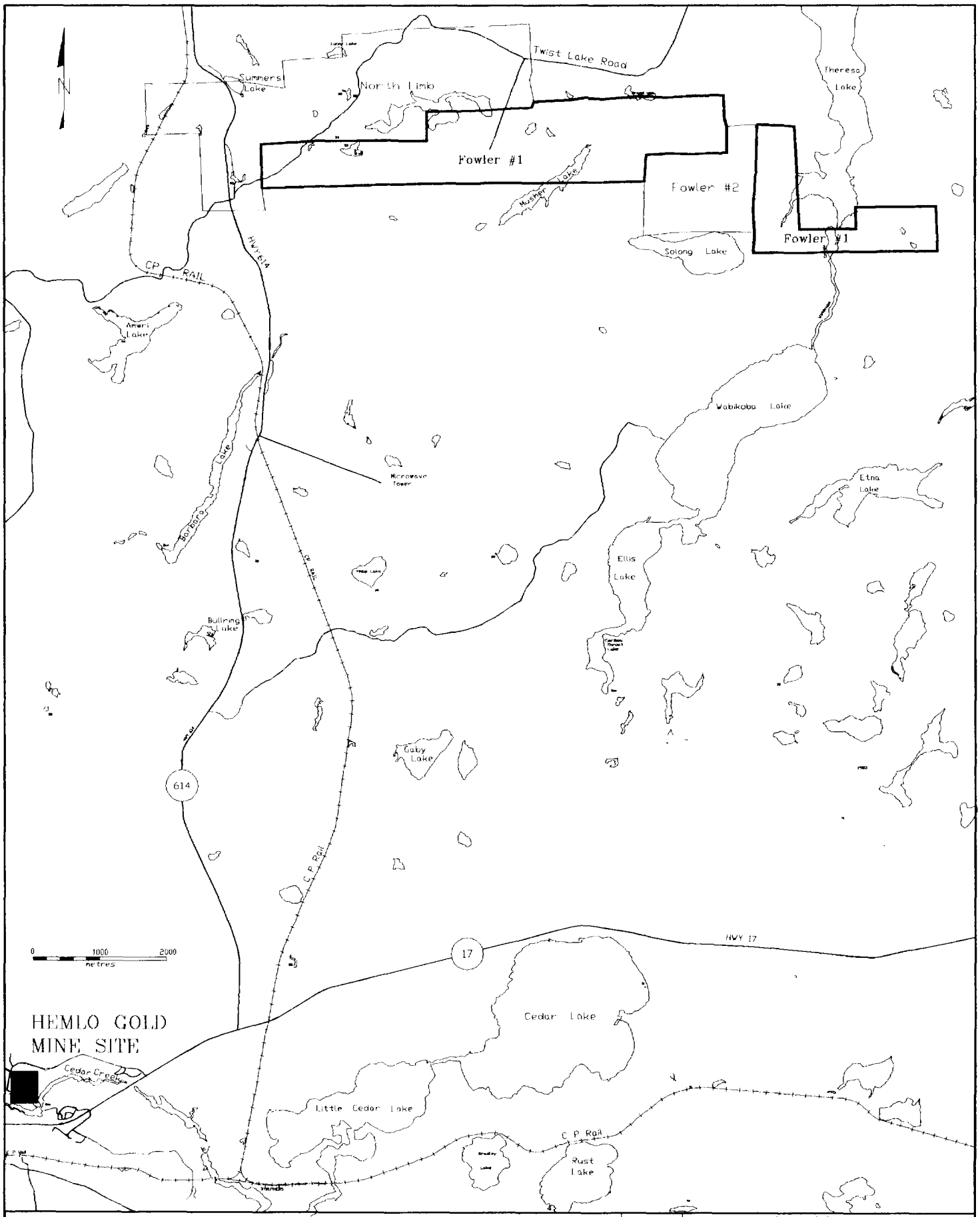


FIGURE 1: LOCATION MAP

HEMLO GOLD

LOCATION MAP

Plot by	B.K.	Date - Mar. 17/95	Dwg. No.
Checked		Date	
		Scale	

4.0 PREVIOUS WORK

The following is a summary of previous work conducted on various portions of the Fowler #1 property:

McIntyre-Porcupine Mines, Von Klien option, 1962

Discovery of a number of copper-nickel and copper-lead-zinc occurrences. Electromagnetic conductors and magnetic anomalies were tested with 28 diamond drill holes, but mineralization was weak and discontinuous with depth. There was no drilling on the Fowler #1 claim group.

Noranda Exploration Co. Ltd, 1976

Dotted Lake airborne survey completed over the area.

Pryme Energy (North), 1982

Work concentrated on the McIntyre occurrence, located northwest of the Fowler #1 claim group.

Qued Resources, 1983

Geological mapping , trenching and drilling was completed on a claim group immediately north of the Fowler #1 property. Emphasis was on stratabound gold mineralization within iron rich interflow sedimentary sequences. Four zones were outlined but all occur north of the Fowler #1 property. Drilling returned values of up to 0.025 oz/ton over 3 metres.

Norman Resources Limited, 1983

Geological mapping, soil geochemistry, airborne magnetics and VLF-EM covering an area immediately west of the present claim block. Soil samples were all low range with one sample returning 45 ppb. No major near surface concentrations of precious metals were discovered.

Baylore Resources Limited, 1983

Airborne Magnetics and EM covering the eastern part of Fowler #1.

Kelly-Kerr Energy Corp., 1986-1988

Geological mapping, stripping, soil geochemistry covered an area in the northwest corner of the present claim group.

Noranda Exploration Co. Ltd, Newjay Property, 1987-1989

Humus geochemistry and geology filed. No anomalous Au values were found in the 23 rock samples analyzed. A weak Au humus anomaly is reported to overlie a felsic-mafic contact.

Noranda Exploration Co. Ltd, Norman Resources Property, 1989

Geological report, plans, soil/rock geochemistry and assays filed for a claim block located south of Armand Lake. Several anomalous Au values were recorded from the soil survey samples but results were not considered encouraging.

Fowler/Shuman, Armand Lake Property, 1991

Property report covering prospecting and stripping.

Newmont Exploration of Canada Ltd., 1992

Geological and lithogeochemical reports for a claim group adjacent to the eastern side of the present claims.

Hemlo Gold Mines Inc., 1994

Trenching and geological mapping of trenches 150E, 153E and 156E on the Fowler #1 property.

5.0 REGIONAL GEOLOGY

The Fowler #1 property is located within the Archean Schreiber-Hemlo greenstone belt which forms a part of the Abitibi-Wawa-Shebandowan Subprovince of the Superior Province. The area contains a dominantly southeast striking sequence of metavolcanic and metasedimentary rocks bounded to the south by the Musher Lake Granodiorite pluton.

Supracrustal rocks consist principally of basaltic flows and subordinate tuffs, with intercalations of epiclastic arkosic wacke and siltstone. Interbeds of felsic volcanic tuffs and/or volcaniclastic sediments occur locally. Numerous small elongate quartz-feldspar porphyry (QFP) stocks intrude the sequence. Equigranular to porphyritic dikes and sills intrude the volcanics, sediments, and small QFP stocks.

6.0 LINECUTTING

17.9 kilometres of grid was cut on the Fowler #1 property during December, 1993, May, 1994 and November 1994 by Vytyl Exploration of Thunder Bay. Grid lines were oriented north-south and spacing varied between 200 and 400 metres with stations established at 25 metre intervals.

7.0 TRENCHING AND SAMPLING (Appendix I)

Three trenches completed in an earlier program were sampled using a diamond saw to extract a channel sample across favourable rock types. A total of 103 samples were collected and submitted to Accurassay Laboratories of Thunder Bay for gold assays. Assaying was by fire assay with an atomic absorption finish. Selected samples were submitted to Chemex Labs Ltd of Thunder Bay for ICP analysis to determine whole rock and trace element composition.

An additional 37 samples were collected during prospecting of the property and were as well submitted for gold assays.

No economic gold values were encountered with the majority of the samples returning <5ppb Au.

8.0 PROPERTY GEOLOGY (Maps 1 to 3)

8.1 Introduction

During the period from June 14 through October 25, 1994, geological mapping was conducted on the Fowler #1 property by Paul Johnston, under the supervision of John Londry. Mapping was performed along cut grid lines.

Geological data from previous mapping was reviewed and updated where necessary.

8.2 Lithologies

8.2.1 Mafic Metavolcanics

Mafic volcanics that underlie the northern third of the property consist primarily of massive flows with minor pillow structures and flow breccia. Pillow structures noted north of the property dip steeply to the south and indicate a southerly top direction.

The mafic volcanics are dark green, fine grained, with varying amounts of chlorite and amphibole. Minor alteration consisting of minor feldspathic fractures and minor carbonitization is present proximal to the QFP stocks.

8.2.3 Clastic Metasediments

A 100 metre wide band of clastic metasediments consisting of siltstone, fine sandstone, and minor interbeds of heterolithic pebble to cobble conglomerate extends across the northern part of the property. The metasediments are grey to dark grey with light grey-brown coloured weathered surfaces. They are typically immature quartzo-feldspathic sediments, containing minor biotite and amphibole, and rare garnet. Primary structures were not recognized in this mapping program.

8.2.5 Quartz Feldspar Porphyry Intrusion

A small elongate quartz-feldspar porphyry (QFP) intrusion flanks the northern contact of the Musher Lake Pluton. The QFP is light grey to grey and weathers white to light brown. Previous mapping identified this unit as a felsic tuff, however, delineation of the unit through grid line mapping and trenching combined with the texture of the quartz and feldspar phenocrysts and ground mass suggests this unit is an intrusive body. The unit is discordant to the sequence of mafic volcanic and sedimentary units in the area. Quartz and feldspar phenocrysts are fairly uniform in size and are intergrown with the groundmass suggesting crystallization from a melt rather than deposition from pyroclastic material.

Heterolithic clastic units occur within and along the margins of the QFP and contain mafic volcanic and QFP clasts. Lenses of green mica and up to 5% fine pyrite is common within the clastic unit. These clastic units appear to be related to the emplacement of the QFP and are interpreted as hydrothermal breccias.

8.2.6 Granodiorite Dikes

Narrow (10-200 cm) equigranular to moderately feldspar porphyritic dikes intrude volcanic, sedimentary and QFP units. The dikes occur across the property but appear to be more frequent near the QFP. Multiple phases of dikes are recognised but a consistent classification has yet to be established.

8.2.7 Granodiorite Pluton

The Musher Lake pluton is an arcuate granodiorite intrusion located south of the property. This pluton is weakly foliated near its contacts with the supracrustal rocks. Mafic xenoliths are common throughout the granodiorite. The pluton clearly post-dates the QFP as apophyses of granodiorite intrude the QFP. Irregular pegmatite dikes and pods are commonly observed in exposures of granodiorite.

8.3 Alteration

Intense alteration is associated with, and centred on the Armand Creek Quartz Feldspar Porphyry. Two main alteration phases have been noted. Early fracture controlled microcline alteration is overprinted by pervasive and fracture controlled muscovite (sericite). Green mica is associated with sericitic fractures and with clastic units interpreted as hydrothermal breccias. Weak alteration of the mafic volcanic country rock is present as diffuse feldspathic fractures and minor chloritization. A fine grained dike phase consisting of equigranular quartz and feldspar appears to be sericitically altered. Minor fine grained pyrite and trace sphalerite and magnetite is disseminated within the QFP. Pyrite is also within narrow veinlets that form the cores of alteration fractures.

8.4 Metamorphism and Deformation

Rocks in the area indicate amphibolite grade metamorphic conditions as indicated by amphibole in the mafic volcanic units. Garnet was the only alumino-silicate indicator mineral identified on the property. Chlorite does occur along with amphibole in the mafic volcanics and is pronounce adjacent to the Armand Creek Quartz Feldspar Porphyry.

The rocks have been strongly deformed as indicated by elongate clasts (in plan) in both the hydrothermal breccias and conglomerate units. Clasts do not appear to be elongated in the plane of foliation. Exposure was not adequate to allow mapping of geological structures such as folds or faults. Magnetic data was useful for interpreting the position of diabase dikes but the data does not indicate any major fault offsets. Magnetic contrast in rock types on the property are not sufficient to distinguish fold patterns.

Elongated quartz phenocrysts with the ACQFP indicate that it has be flattened. The overall shape of the ACQFP is lenticular and does it does not appear to be folded.

9.0 GEOPHYSICAL SURVEYS

9.1 Introduction

Approximately 5 kilometres of induced polarization (IP) and 7.2 km of magnetic survey were performed on the Fowler 1 claims. One four man crew consisting of Noranda Exploration Company, Limited (no personal liability) personnel J. MacIsaac, D. Hancock, L. Cross and H. Palomaki performed the work during the period November 26-29, 1994.

9.2 Instrumentation

9.2.1 Magnetometer Survey

A Scintrex IGS proton precession magnetometer system was used. Total magnetic field readings are taken with a precision of 0.2 nT or Gammas, although the accuracy is generally +/- 5 nT. Readings are corrected for diurnal variations using an identical recording unit set up as a base station in a non-anomalous area. Base station readings are taken every 30 seconds unless large or rapid variations are anticipated, in which case readings are taken more frequently.

For this survey base station readings were taken at a 30 second interval. Survey readings were recorded at 12.5 meter intervals along the line.

9.2.2 Induced Polarization and Resistivity Survey

The Dipole-Dipole survey was performed using an IPT1 transmitter, a 2.5 kilowatt Honda generator and an ELREC IP-6 receiver.

Survey parameters were 50 m dipole separations ('a' spacings) with readings recorded at six receiver separations (n=1 to 6). Figure 2 shows the plotting convention used to plot 'pseudo' sections which present chargeability and resistivity results.

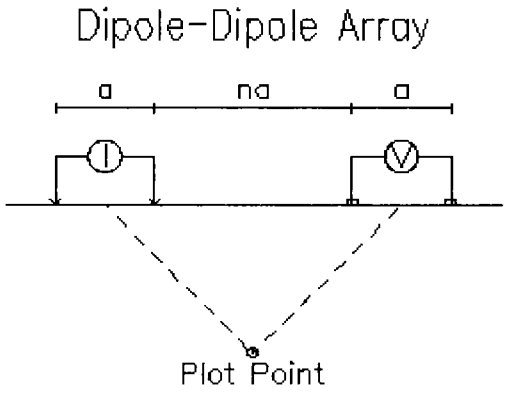
IP chargeability represents the voltage retention capacity, or capacitance of the ground. It varies with metal, clay or graphite content of the ground, grain size, and the degree to which grains are inter-connected. It is measured as an average of ten 'windows' or time slices under the voltage decay curve of the ground being surveyed. The units are millivolts per volt (mV/V) or milliseconds (msec).

IP resistivity is a measure of the electrical resistance over a linear distance of the ground. This varies with metal, clay or graphite content, but is also sensitive to the bulk composition of overburden, bedrock and mineralization, and can be used as a lithological mapping tool. It is measured by combining the voltage measured between receiving electrodes with the current transmitted at the transmitting electrodes in a two dimensional approximation of Ohm's law (R=V/I) that is represented by the following formula:

$$\text{Resistivity} = \text{pi} * \frac{\text{Voltage}}{\text{Current}} * n * (n+1) * (n+2) * a$$

Where pi is a numerical constant approximately equal to 3.14159, 'n' is a multiplier (in this case 1 through 6) that represents the distance of the receiver electrode pair from the transmitter electrode pair and 'a' is the separation of the two electrode locations in the receiver and transmitter electrode pairs (please see Figure 3). The resistivity units used for plotting are Ohm-meters.

Figure 2



9.3 Interpretation

Line 15200E: The anomaly at 9715N is narrow and shallow, but well defined and high amplitude. It is directly related to a resistivity low.

The anomaly at 9825N was not completely covered by the survey and remains poorly defined, but high amplitude. It exists within a moderate resistivity high background.

Line 15400E: The anomaly at 9600N is well defined, narrow and near surface. It occurs at a distinct resistivity high-low (south-north) contact.

The anomaly at 9725N is poorly defined because it is not covered by the survey, however this is a high amplitude anomaly that exists within a moderate resistivity high background.

Line 15500E: The anomaly at 9550N is probably a single dipole, narrow and near surface source as it was on lines 15400E and 15200E, however a high chargeability background has distorted its shape. The high chargeability background occurs as a sharp contact that is represented in the resistivity as a high-low (south-north) abrupt change.

The anomaly at 9725N is not completely defined by the survey but high amplitudes are present.

Line 15600E: A weak anomaly is present at 9425N. It is narrow and corresponds with an elevated resistivity high response.

At 9500N the anomalously high chargeability that was present on the north portions of the western three lines is again present. Individual narrow, shallow sources can be identified in the broad chargeability package. The anomaly is not as well defined as it was on previous lines, and the resistivity high-low (south-north) contrast is not as pronounced.

Line 15800E: The resistivity high-low (south-north) contrast present on the western 4 lines is well defined on this line at 9450 N. A corresponding increase in chargeability is present, but

amplitudes are not as high as they were on the western lines. A surface clay layer has distorted the chargeability data on the north half of the line.

Line 16000E: A weak, narrow, and shallow single dipole anomaly is present at 9200N. This anomaly is related to a single dipole resistivity low that plots one dipole north of the chargeability response.

A single dipole (narrow and shallow) chargeability response also occurs at 9350N . This response is related to the resistivity high-low (south-north) contrast described on the western lines. The strong chargeability background is weaker on this line and an over-all drop from west to east is recognized, however a strong and well defined chargeability anomaly is present within this zone.

The anomaly at 9575N is strong and well defined. Good depth extent is indicated and depth to top may be 50 m although this is difficult to establish because the surface clay layer that affected the north half of line 15800E is also present on this line. The anomaly is still not completely covered by our grid.

10.0 CONCLUSIONS AND RECOMMENDATIONS

10.1 Geology

Similarities between the Armand Creek Quartz-Feldspar Porphyry (ACQFP) and the Moose Lake Porphyry associated with the Hemlo deposit are listed below:

(1) Early microcline event followed by intense sericitic alteration within the core of the stock. Abundant tourmaline is associated with sericitization.

(2) Green mica associated with felsic stocks.

(3) Hydrothermal brecciation associated with felsic stocks.

(4) Small size dimensions, less than 5 km long, less than 500 metres wide. Both stocks appear strongly flattened but not folded.

(5) Evidence of multi-phase intrusive activity with intrusive events predating and post-dating alteration events.

Hydrothermal alteration related to the ACQFP intrusion positively influences the potential for mineralization in the area. Limited outcrop across the property has made interpretation of distribution of alteration phases difficult. Exposure is primarily concentrated on the northern contact of the ACQFP. Mapping and trenching concentrated on delineating the ACQFP and the results indicate that the Musher Lake Pluton has intruded along the southern contact of the ACQFP, effectively removing the potential for mineralization along this contact near the surface. Trenching was successful in exposing complete sections through the ACQFP and the potential for mineralization on the western portion of the property is small.

There has now been extensive sampling of the surface exposures of the ACQFP and the results have been disappointing. Unfortunately, these samples are strongly biased towards the northern contact of the ACQFP. There is still potential for mineralized zones existing along the southern contact of the ACQFP in the eastern part of the property where the ACQFP has not been intruded by the Musher Lake Pluton.

Mafic volcanic host rocks are an important departure from the Hemlo analogy in that they, so far, show limited effects of hydrothermal alteration. Sedimentary units found to the

south of the ACQFP may reveal alteration patterns that aid in directing exploration towards more intense alteration and potential mineralization.

The strong geological similarities between Hemlo and this property require thorough investigation of the ACQFP unit to evaluate the nature and distribution of alteration phases. One drill hole is recommended on the eastern part of the property to provide additional geological information and a sample medium for further geochemical analysis. Mapping and trenching has that shown that the Musher Lake Pluton has not disrupted the southern contact of ACQFP in the eastern side of the property.

10.2 Geophysics

It is likely that a lithologic change occurs from 9300N on line 16000E through to 9700N on line 15200E. The northern lithology is characterized by a high (15-20 mV/V) chargeability background response and a moderate resistivity (2500 - 7000 ohm-m). The southern lithology has a background chargeability of 4-5 mV/V and a resistivity response >10k ohm-m.

Within the southern zone there are two weak, narrow chargeability anomalies these occur on lines 15600E and 16000E.

Within the north zone there is typically an elevated shallow and narrow chargeability response associated with the resistivity/chargeability contact, and there is always a stronger chargeability response that occurs 100 - 150 m north of the contact. The stronger chargeability response is not completely covered by our survey lines, but from a geophysical point of view it looks very interesting.

It is recommended that both the resistivity/chargeability contact and the anomaly that occurs within the northern zone be tested. The best definition of the north zone occurs on line 16000E although the anomaly may be quite good on line 15400E if this line can be extended north. The best place to test the contact anomaly is on line 15400E or 15500E. The strongest response is on line 15600E, but this may be due to an over-all higher background chargeability at this location.

Respectfully submitted,

Hemlo Gold Mines, Inc

Paul Johnston
Geologist
Superior District

Hemlo, Ontario
March 9, 1995.

APPENDIX I

Assays, Whole Rock, Multi-Element Analyses and Sample Descriptions

NORANDA EXPLORATION COMPANY LIMITED

[redacted] SAMPLES

Property: Fowler Trench

Hole Number: 3 channel

Page 1

SAMPLE	FROM metres	TO	WIDTH metres	Au Assays (grams/mt)					
								Final	
F-3-1			1.0				qtz str + QFP		
-2			1.0				POR?	trPy	
-3			.50				Feldspar POR		
-4			1.0				POR?	Tuff? mafic bands	
-5			1.0				POR +	mafic	dyke
-6			1.0				Sediment?		
-7			.30				mafic	Dyke	
-8			.70				POR	sericite	alt. tr py
-9			1.0				"	"	tr grain mica
-10			1.0				mafic	dyke + POR tr py	
-11			1.0				mafic	Dyke + sed Biotitic	
-12			1.0				POR	tr py	
-13			1.0				POR +	mafic dyke	tr py
-14			1.0				POR	tr py	
-15			1.0				"	"	
-16			1.0				rusty	POR	tr py
-17			1.0				"	"	"
-18			1.0				QFP	1% dis	py
-19			1.0				"?	tr py	
-20			1.0				FP?	tr py	
-21			1.0				POR		
-22			1.0				POR	alt (sericite alt)	
-23			1.0				"	"	" tr py
-24			1.0				POR +	mosher [redacted]	
-25			1.6				mosher	LK	
-26			1.6				"	"	
-27			1.6				"	"	
-28			1.0				POR		
-29			1.0				"	qtz str	

NORANDA EXPLORATION COMPANY LIMITED

~~CORE~~ SAMPLES

Property: Trench

Hole Number: 3

SAMPLE	FROM metres	TO	WIDTH metres	Au Assays (grams/mt)				Final	
FT-3-30			1.0				POR	tr py	
-31			1.0				"	"	
-32			.50				mafic	Dyke.	
-33			.80				POR	- sericite alt.	
-34			.80				QFP		
-35			1.0				Diorite		
-36			1.0				POR	sericite	alt.
-37			1.0				POR	~~POR~~ por	alt.
-38			1.0				POR	sericite	alt.
-39			1.0				POR	tr py	tr green mica
-40			1.0				"	"	"
-41			1.0				"	"	green mica
-42			1.0				"	1% py	"
-43			1.0				mod chl	Lt weakly alt.	
-44			1.0				mod chl	Lt	
-45			1.0				"		
-46			1.0				"		
-47			1.0				"		
-48			0.9				POR	alt. green mica 1% py	
-49			1.0				"	"	"
-50			1.0				"	"	green mica tr py
-51			1.0				"	"	"
-52			1.0				POR	mod chl	
-53			1.0				"	"	
-54			1.0				POR	alt green mica tr py	
-55			1.0				"	"	"
-56			1.0				"	"	3% py
-57			.6				mafic	Dyke	
-58									
-59									

NORANDA EXPLORATION COMPANY LIMITED

~~DRILL~~ SAMPLES

Property: Fowler #1 Trench

~~Hole~~ Number: 4

SAMPLE	FROM metres	TO	WIDTH metres	Au Assays (grams/mt)				Final	
FT-4-1			1.0					sed	
-2			1.0					sed tr py	
-3			1.0.					sed 1-2% py. pink blebs	
-4			1.1					sed	" " "
-5			.30					POR	
-6			1.0					"	
-7			1.0					"	tr py
-8			1.0					"	"
-9			.60					"	"
-10			1.0					"	"
-11			1.0.					POR	2-3% py
-12			1.0					"	
-13			.95					"	
-14			.85					mushen Lt	
-15			.80					POR	
-16			1.0					"	
-17			1.0					"	
-18			1.0					"	
-19			1.0					"	
-20			1.0					"	tr py
-21			1.0					"	"
-22			1.0					"	"
-23			1.0					"	"
-24			1.0	WR				"	"
-25			1.0					" B	tr-1% py
-26			1.0					4 B alt	"
27			1.0	WR				mushen Lt.	
-28			1.0	"				POR tr py.	
-29			1.0					"	" scricite alt.

NORANDA EXPLORATION COMPANY LIMITED

~~Core~~ SAMPLES

Property: Fowler #1 Trench

~~Hole~~ Number: 4

SAMPLE	FROM metres	TO	WIDTH metres	Au Assays (grams/mt)				Final	
FT-430			1.0	WR				por ser 1-3% py	alt gran mica
-31			0.90					por 1%	alt py
-32			.40					mafic	Dyke
-33			1.0					por ser	alt tr py
-34			.70	WR				por ser tr py tr gran mica	
-35			.60					"	1-2% pl
-36			1.0					mafic	Dyke
-37			.50	WR				por alt	1% py
-38			.50					granodiorite (minor alt)	

NORANDA EXPLORATION COMPANY LIMITED

~~DRILL~~ SAMPLES

Property: Fowler #1 Trench

~~Hole~~ Number: 5

Page

SAMPLE	FROM metres	TO	WIDTH metres	Au Assays (grams/mt)				Final	
FT-5-1			1.0					weakly	alt por
-2			1.0	WR				"	"
-3			0.80	WR				pegmod granite (mus har Ltt)	
-4			1.0					Sed	
-5			1.0	WR				"	
-6			.50					"	
-7			.60	WR				"	

ACCURASSAY LABORATORIES
A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 623-6448
FAX (807) 623-6820

NORANDA EXPLORATION CO., LTD.
Bag Service # 8
Marathon, Ontario
P0T 2E0

October 11, 199

Job #9441152

Project # 529

Sample # Accurassay		Customer	Gold ppb	Gold Oz/t
1		FT-2-3	<5	<0.001
2		FT-2-6	<5	<0.001
3		FT-2-7	<5	<0.001
4		FT-2-8	<5	<0.001
5		FT-2-9	<5	<0.001
6		FT-2-11	<5	<0.001
7		FT-3-2	<5	<0.001
8		FT-3-4	<5	<0.001
9		FT-3-5	<5	<0.001
10		FT-3-7	<5	<0.001
11	Check	FT-3-7	<5	<0.001
12		FT-3-8	<5	<0.001
13		FT-3-9	<5	<0.001
14		FT-3-10	<5	<0.001
15		FT-3-12	<5	<0.001
16		FT-3-13	<5	<0.001
17		FT-3-14	<5	<0.001
18		FT-3-15	<5	<0.001
19		FT-3-16	<5	<0.001
20		FT-3-17	<5	<0.001
21	Check	FT-3-17	<5	<0.001
22		FT-3-19	<5	<0.001
23		FT-3-20	<5	<0.001
24		FT-3-22	<5	<0.001
25		FT-3-23	<5	<0.001
26		FT-3-24	<5	<0.001
27		FT-3-25	<5	<0.001
28		FT-3-27	<5	<0.001

Certified By: Leo Beer

ACCURASSAY LABORATORIES
A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 623-6448
FAX (807) 623-6820

NORANDA EXPLORATION CO., LTD.
Bag Service # 8
Marathon, Ontario
P0T 2E0

October 11, 1994

Job #9441152

Project # 529

Accurassay	Sample #	Customer	Gold ppb	Gold Oz/t
29		FT-3-28	<5	<0.001
30		FT-3-29	<5	<0.001
31	Check	FT-3-29	<5	<0.001
32		FT-3-30	<5	<0.001
33		FT-3-31	<5	<0.001
34		FT-3-32	<5	<0.001
35		FT-3-34	<5	<0.001
36		FT-3-35	<5	<0.001
37		FT-3-36	<5	<0.001
38		FT-3-37	<5	<0.001
39		FT-3-38	<5	<0.001
40		FT-3-39	<5	<0.001
41	Check	FT-3-39	<5	<0.001
42		FT-3-40	<5	<0.001
43		FT-3-42	<5	<0.001
44		FT-3-43	<5	<0.001
45		FT-3-44	7	<0.001
46		FT-3-45	<5	<0.001
47		FT-3-46	<5	<0.001
48		FT-3-47	<5	<0.001
49		FT-3-48	<5	<0.001
50		FT-3-49	<5	<0.001
51	Check	FT-3-49	<5	<0.001
52		FT-3-50	<5	<0.001
53		FT-3-51	<5	<0.001
54		FT-3-52	<5	<0.001
55		FT-3-53	<5	<0.001
56		FT-3-54	<5	<0.001
57		FT-3-56	<5	<0.001
58		FT-3-57	<5	<0.001
59		FT-4-2	<5	<0.001

Certified By: Peter Beaven

ACCURASSAY LABORATORIES
A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 623-6448
FAX (807) 623-6820

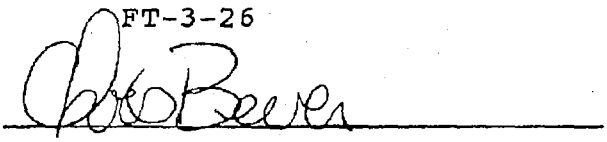
NORANDA EXPLORATION CO., LTD.
Bag Service # 8
Marathon, Ontario
P0T 2E0

October 11, 1994

Job #9441152

Project # 529

Accurassay	Sample #	Customer	Gold ppb	Gold Oz/t
60		FT-4-3	12	<0.001
61	Check	FT-4-3	11	<0.001
62		FT-4-5	5	<0.001
63		FT-4-7	5	<0.001
64		FT-4-8	<5	<0.001
65		FT-4-10	<5	<0.001
66		FT-4-11	<5	<0.001
67		FT-4-12	<5	<0.001
68		FT-4-13	<5	<0.001
69		FT-4-15	<5	<0.001
70		FT-4-16	<5	<0.001
71	Check	FT-4-16	<5	<0.001
72		FT-4-17	<5	<0.001
73		FT-4-19	<5	<0.001
74		FT-4-20	<5	<0.001
75		FT-4-21	<5	<0.001
76		FT-4-22	<5	<0.001
77		FT-4-23	6	<0.001
78		FT-4-25	<5	<0.001
79		FT-4-26	<5	<0.001
80		FT-4-29	<5	<0.001
81	Check	FT-4-29	<5	<0.001
82		FT-4-31	<5	<0.001
83		FT-4-32	<5	<0.001
84		FT-4-33	<5	<0.001
85		FT-4-35	<5	<0.001
86		FT-4-36	<5	<0.001
87		FT-4-38	<5	<0.001
88		FT-5-1	<5	<0.001
89		FT-5-4	<5	<0.001
90		FT-5-5	<5	<0.001
91		FT-5-6	<5	<0.001
92		FT-3-26	11	<0.001

Certified By: 

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ONTARIO
P0T 2E0

Project : 529
Comments: ATTN: JOHN LONDRY CC: JOHN SULLIVAN

Page Number 1-A
Total Pages 1
Certificate Date 28-OCT-94
Invoice No. I-9428541
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9428541

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Al2O3 %	CaO %	Cr2O3 %	Fe2O3 %	K2O %	MgO %	MnO %	Na2O %	P2O5 %
FT-2-1	208 294	< 5	8.94	8.38	0.22	9.51	1.80	17.07	0.17	0.75	0.04
FT-2-2	208 294	< 5	7.00	6.64	0.36	10.76	0.02	22.38	0.15	< 0.01	< 0.01
FT-2-4	208 294	< 5	6.93	11.25	0.35	10.82	0.10	19.67	0.19	0.26	< 0.01
FT-2-5	208 294	< 5	7.81	8.11	0.22	8.76	0.44	20.88	0.14	0.36	< 0.01
FT-2-10	208 294	< 5	16.25	3.22	< 0.01	2.67	2.23	2.00	0.02	2.00	0.11
FT-3-1	208 294	< 5	15.46	2.65	< 0.01	2.69	2.36	2.04	0.03	3.00	0.08
FT-3-3	208 294	< 5	11.04	0.61	< 0.01	0.70	3.39	0.19	< 0.01	3.43	0.03
FT-3-6	208 294	< 5	15.83	2.57	< 0.01	2.32	2.26	1.46	0.03	3.20	0.07
FT-3-11	208 294	< 5	16.03	3.79	< 0.01	4.88	2.78	2.49	0.07	3.69	0.37
FT-3-18	208 294	< 5	15.58	2.50	0.01	2.37	1.80	0.83	0.01	4.62	0.07
FT-3-21	208 294	< 5	16.23	3.40	< 0.01	1.88	1.51	0.83	0.01	3.64	0.12
FT-3-33	208 294	< 5	17.09	1.37	0.01	0.44	3.01	0.42	< 0.01	4.08	0.10
FT-3-41	208 294	< 5	16.06	1.16	0.01	1.48	2.69	0.43	< 0.01	3.31	0.07
FT-3-55	208 294	< 5	14.79	1.13	0.01	1.68	3.80	0.36	< 0.01	3.93	0.05
FT-4-1	208 294	< 5	15.55	4.38	< 0.01	4.17	1.38	1.18	0.10	2.16	0.09
FT-4-4	208 294	10	16.06	1.73	0.02	3.57	2.89	1.16	0.17	1.52	0.10
FT-4-6	208 294	< 5	16.79	5.15	< 0.01	0.96	1.08	0.97	0.06	2.70	0.11
FT-4-9	208 294	< 5	16.86	3.70	0.01	0.82	1.07	0.69	0.03	4.09	0.12
FT-4-14	208 294	< 5	17.44	3.48	< 0.01	4.07	3.14	1.76	0.07	4.41	0.32
FT-4-18	208 294	< 5	16.95	4.41	< 0.01	1.08	1.38	1.03	< 0.01	2.89	0.09
FT-4-24	208 294	< 5	16.90	2.70	0.02	0.83	1.75	0.57	< 0.01	4.33	0.11
FT-4-27	208 294	< 5	15.38	1.71	0.03	1.37	3.24	0.76	0.01	3.89	0.07
FT-4-28	208 294	< 5	16.77	1.53	0.02	0.68	2.58	0.43	< 0.01	2.97	0.09
FT-4-30	208 294	< 5	17.16	2.36	0.04	2.21	2.62	1.24	0.02	2.75	0.12
FT-4-34	208 294	< 5	15.48	1.45	< 0.01	2.04	2.41	0.32	< 0.01	3.95	0.08
FT-4-37	208 294	< 5	14.39	1.70	0.02	5.47	4.07	0.97	0.02	3.92	0.17
FT-5-2	208 294	< 5	15.59	0.57	< 0.01	0.51	1.67	0.22	< 0.01	7.11	0.08
FT-5-3	208 294	< 5	16.25	0.59	0.04	1.42	2.40	0.56	< 0.01	7.14	0.16
FT-5-7	208 294	< 5	15.97	3.59	0.03	3.81	1.61	1.49	0.06	4.53	0.17

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ONTARIO
P0T 2E0

Project : 529
Comments: ATTN: JOHN LONDRY CC: JOHN SULLIVAN

Certificate Date 28-OCT-94
Invoice No. I-9428541
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9428541

SAMPLE DESCRIPTION	PREP CODE	SiO2 %	TiO2 %	LOI %	TOTAL %	Ba ppm	Rb ppm	Sr ppm	Nb ppm	Zr ppm	Y ppm
FT-2-1	208 294	47.00	0.43	3.55	97.86	210	65	260	< 10	40	10
FT-2-2	208 294	44.50	0.39	5.53	97.73	< 10	< 5	20	< 10	< 10	< 10
FT-2-4	208 294	41.40	0.27	6.99	98.23	40	< 5	170	< 10	< 10	< 10
FT-2-5	208 294	46.69	0.30	4.76	98.47	60	20	100	< 10	10	< 10
FT-2-10	208 294	70.70	0.33	1.31	100.85	510	55	440	< 10	90	< 10
FT-3-1	208 294	69.80	0.27	2.54	100.90	450	60	370	< 10	80	< 10
FT-3-3	208 294	80.10	0.06	0.56	100.10	290	55	170	< 10	20	< 10
FT-3-6	208 294	70.00	0.29	1.96	99.99	480	50	300	< 10	80	< 10
FT-3-11	208 294	64.40	0.47	1.36	100.35	900	65	960	< 10	180	10
FT-3-18	208 294	70.00	0.26	1.65	99.70	400	45	330	< 10	70	< 10
FT-3-21	208 294	70.30	0.33	1.61	99.86	580	45	450	< 10	100	< 10
FT-3-33	208 294	71.40	0.26	1.37	99.55	520	70	330	< 10	80	< 10
FT-3-41	208 294	72.10	0.26	1.90	99.47	470	55	300	< 10	70	< 10
FT-3-55	208 294	72.30	0.22	1.11	99.38	440	80	230	< 10	50	< 10
FT-4-1	208 294	69.60	0.29	1.00	99.90	420	40	370	< 10	80	< 10
FT-4-4	208 294	70.30	0.34	2.59	100.45	540	65	170	< 10	80	< 10
FT-4-6	208 294	70.90	0.32	1.17	100.20	450	30	350	< 10	90	< 10
FT-4-9	208 294	70.70	0.31	1.06	99.46	530	20	300	< 10	90	< 10
FT-4-14	208 294	64.10	0.50	0.73	100.00	1130	80	1280	< 10	160	10
FT-4-18	208 294	70.50	0.32	1.33	99.98	490	35	360	< 10	100	< 10
FT-4-24	208 294	70.30	0.29	1.16	98.96	410	40	390	< 10	80	< 10
FT-4-27	208 294	71.50	0.20	1.18	99.34	610	60	400	< 10	70	< 10
FT-4-28	208 294	72.90	0.28	1.69	99.94	420	50	320	< 10	80	< 10
FT-4-30	208 294	69.00	0.46	2.29	100.25	520	35	390	< 10	80	< 10
FT-4-34	208 294	72.20	0.25	1.90	100.10	410	30	440	< 10	90	< 10
FT-4-37	208 294	66.80	0.30	2.14	99.97	700	65	670	< 10	100	< 10
FT-5-2	208 294	73.30	0.24	0.50	99.79	340	30	290	< 10	90	< 10
FT-5-3	208 294	70.10	0.30	0.95	99.91	680	45	420	< 10	120	< 10
FT-5-7	208 294	67.70	0.42	1.20	100.60	470	45	470	< 10	90	< 10

NORANDA EXPLORATION COMPANY, LIMITED

№ 551

White - Office
Yellow - Field

LAB CHEMEX

PROJECT NO. 505

PROPERTY NORTH LIMB

N.T.S. 42 C-13

CERT. NO.

GRID REFERENCE

DATE JUN. 9/8

SAMPLE REPORT

SAMPLE #	DESCRIPTION	TYPE	WIDTH	ASSAYS WR	ASSAYS Au	ASSAYS	CO-ORDINATES	CO-ORDINATES	SAMPLER
A	Rusty Gr. Biot schist	GRAB		✓	✓				JWZ
B	Biot qtz Feld. schist	11		✓			100N	45+10E	
C	11 11 pnk alt. conglomerate	11		✓			100N	47+15E	
D	felsic seric. feld qtz schist with grn Mica	11		✓	✓		96+50N	164+00E	
E	QUED Qtz-feld por minor py	11		✓			R along	QUED ROAD	
F	VALLEY FELD PORPHYRY - SOUTH BOUNDARY	11		✓					
G	FLAMBEAU								
H	TUFF BAND	11		✓					
I	DACITE F.W.	11		✓					
J	FW SERICITE SCHIST 5% Py	11		✓					
K									
L									
M									
N									
O									
P									
Q									
R									
S									
T									
U									
V									
W									

Norex Form: C:\forms\Samprep.frm

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
5175 Timberlea Blvd., Mississauga,
Ontario, Canada L4W 2S3
PHONE: 905-624-2806

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ONTARIO
P0T 2E0

Project : 505
Comments: ATTN: JOHN LONDRY CC: JOHN SULLIVAN

Certificate Date: 29-JUN-94
Invoice No. : I9418034
P.O. Number :
Account :FIL

CERTIFICATE OF ANALYSIS A9418034

SAMPLE	PREP CODE	Au ppb FA+AA	Al2O3 %	CaO %	Cr2O3 %	Fe2O3 %	K2O %	MgO %	MnO %	Na2O %	P2O5 %
551 A	205 226	< 5	14.78	2.39	0.05	3.68	1.60	1.52	0.07	4.11	0.14
551 B	205 226	-----	14.97	7.57	0.01	6.99	2.66	4.11	0.14	4.08	0.51
551 C	205 226	-----	15.80	6.85	0.04	7.09	2.34	3.97	0.13	5.39	0.54
551 D	205 226	< 5	13.86	0.94	0.07	1.98	2.56	0.43	< 0.01	3.15	0.11
551 E	205 226	-----	15.08	1.79	< 0.01	1.93	0.96	0.77	0.02	6.11	0.09
551 F	205 226	-----	16.58	2.49	< 0.01	2.26	1.52	0.80	0.03	5.61	0.15
551 H	205 226	-----	9.10	0.12	< 0.01	0.65	0.03	0.10	< 0.01	0.09	0.58
551 I	205 226	-----	19.10	0.02	< 0.01	0.24	0.01	0.08	< 0.01	0.02	0.11
551 J	205 226	-----	8.16	0.13	0.03	24.00	0.01	0.11	< 0.01	0.02	0.30

CERTIFICATION: Ian Ruddock

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

5175 Timberlea Blvd., Mississauga,
Ontario, Canada L4W 2S3
PHONE: 905-624-2806

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ONTARIO
P0T 2E0

Project : 505
Comments: ATTN: JOHN LONDRY CC: JOHN SULLIVAN

Page Number :1-B
Total Pages :1
Certificate Date: 29-JUN-94
Invoice No. :I9418034
P.O. Number :
Account :FIL

CERTIFICATE OF ANALYSIS A9418034

SAMPLE	PREP CODE	SiO2 %	TiO2 %	LOI %	TOTAL %	Ba ppm	Rb ppm	Sr ppm	Nb ppm	Zr ppm	Y ppm
551 A	205 226	70.00	0.51	1.67	100.50	280	35	250	< 10	90	< 10
551 B	205 226	58.03	0.73	1.06	100.85	1320	40	1520	< 10	160	20
551 C	205 226	57.45	0.66	1.01	101.25	730	30	870	< 10	170	20
551 D	205 226	75.00	0.25	1.91	100.25	400	40	360	< 10	80	< 10
551 E	205 226	72.30	0.24	1.06	100.35	280	15	390	< 10	70	< 10
551 F	205 226	70.10	0.39	0.86	100.80	780	30	970	< 10	110	< 10
551 H	205 226	84.20	0.19	3.94	99.02	150	< 5	3120	< 10	140	10
551 I	205 226	73.50	0.18	6.51	99.79	50	< 5	640	< 10	80	< 10
551 J	205 226	45.58	0.18	14.34	92.87	40	< 5	510	< 10	40	< 10

CERTIFICATION: Ian R. Bachlin

NORANDA EXPLORATION COMPANY, LIMITED № 555

White - Office
Yellow - Field

LAB CHEMEX - T. BAY PROJECT NO. 533 PROPERTY GOLIATH HGM N.T.S. 42C-12

CERT. NO. GRID REFERENCE UG SAMPLES / FOW#1 / QUED DATE JUN. 27/91

SAMPLE REPORT

SAMPLE #	DESCRIPTION	TYPE	WIDTH	ASSAYS WR	ASSAYS Au	ASSAYS	CO-ORDINATES		SAMPLER
A	QFP MIN SER.	GRAB		✓		E ALONG QUED	ROAD		JWL
B	FEL SER SCHIST W GRN MICA 1% RUST NVM	"		✓		FOW#1 ~ 148E	96N		"
C	QFP-1 (3a)	"		✓	✓	HGM	4666-3W	(c18752)	PJ
D	QFP-1 (3a)	"		✓	✓	"	4566-8W	(c18756)	"
E	KPP (KUSSINS) (9a)	"		✓		"	4666-912	(c18754)	"
F	QFP-2	"		✓	✓	"		(c18753)	"
G	EQUIGRAN SILL (DYKE) (9a)	"		✓	✓			(c18755)	"
H	PINK DYKE (SYENITE) fgr equigran	"		✓		S BOUND CL #202153	~200M E of	#3 POST	
I	WHITE fgr equigran int dyke	"		✓		N BOUND CL #202153	~200M E of	#4 POST	
J	FRESH GRANITE 2KM N of QUED	"		✓					
K									
L									
M									
N									
O									
P									
Q									
R									
S									
T									
U									
V									
W									

Norex Form: C:\forms\Samprep.frm

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
5175 Timberlea Blvd., Mississauga,
Ontario, Canada L4W 2S3
PHONE: 905-624-2806

NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ONTARIO
P0T 2E0

Project : 533
Comments: ATTN: JOHN LONDRY CC: JOHN SULLIVAN

Page No. : 1-A
Total Pages : 1
Certificate Date: 19-JUL-94
Invoice No. : I9419378
P.O. Number :
Account : FIL

CORRECTED COPY

CERTIFICATE OF ANALYSIS A9419378

SAMPLE	PREP CODE	Al2O3 %	CaO %	Cr2O3 %	Fe2O3 %	K2O %	MgO %	MnO %	Na2O %	P2O5 %	SiO2 %
555 A	205 226	15.52	1.85	0.01	1.83	2.00	0.75	0.02	6.02	0.07	71.60
555 B	205 226	15.77	0.76	0.03	1.12	3.57	0.48	< 0.01	2.75	0.04	74.30
555 C	205 226	17.55	0.28	< 0.01	1.09	4.85	0.85	< 0.01	0.59	0.10	72.70
555 D	205 226	17.00	0.40	< 0.01	0.58	4.69	0.69	< 0.01	0.59	0.08	73.40
555 E	205 226	16.47	2.69	< 0.01	2.01	2.70	0.77	0.02	5.90	0.09	69.00
555 F	205 226	16.53	0.81	< 0.01	0.56	5.44	0.42	< 0.01	2.97	0.08	71.90
555 G	205 226	16.18	2.61	0.01	2.44	2.45	1.17	0.02	5.52	0.16	69.00
555 H	205 226	16.72	1.91	< 0.01	1.63	3.84	0.40	0.02	6.60	0.14	69.00
555 I	205 226	16.94	3.68	< 0.01	3.23	0.56	1.17	0.04	8.23	0.10	65.40
555 J	205 226	15.32	2.02	< 0.01	1.30	2.50	0.48	0.02	5.35	0.01	72.60

CERTIFICATION: Jhai D'Ma

CORRECTED FOR Rb RESULTS

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
5175 Timberlea Blvd., Mississauga,
Ontario, Canada L4W 2S3
PHONE: 905-624-2806

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ONTARIO
P0T 2E0

Project : 533
Comments: ATTN: JOHN LONDRY CC: JOHN SULLIVAN

Page Number :1-B
Total Pages :1
Certificate Date: 19-JUL-94
Invoice No. :I9419378
P.O. Number :
Account :FIL

CORRECTED COPY

CERTIFICATE OF ANALYSIS A9419378

SAMPLE	PREP CODE		TiO2 %	LOI %	TOTAL %	Ba ppm	Rb ppm	Sr ppm	Nb ppm	Zr ppm	Y ppm	Au ppb FA+AA
555 A	205	226	0.22	0.86	100.75	350	35	370	< 10	90	< 10	-----
555 B	205	226	0.28	1.77	100.90	620	65	330	< 10	100	< 10	-----
555 C	205	226	0.26	2.59	100.90	1330	110	90	< 10	120	< 10	30
555 D	205	226	0.25	2.31	100.00	940	100	140	< 10	120	< 10	< 5
555 E	205	226	0.28	1.32	101.25	1040	65	1050	< 10	120	< 10	-----
555 F	205	226	0.24	1.08	100.05	1130	120	380	< 10	120	< 10	< 5
555 G	205	226	0.40	1.04	101.00	1470	60	1240	< 10	170	10	2880
555 H	205	226	0.32	0.58	101.15	960	65	570	10	270	10	-----
555 I	205	226	0.47	1.05	100.90	10	15	920	< 10	130	10	-----
555 J	205	226	0.15	0.21	99.97	560	65	330	< 10	70	< 10	-----

CERTIFICATION:

CORRECTED FOR Rb RESULTS

Plotted ✓

NORANDA EXPLORATION COMPANY, LIMITED

№ 1693

White - Office
Yellow - Field

LAB _____ PROJECT NO. _____ PROPERTY North Limit N.T.S. _____

CERT. NO. M. Stares GRID REFERENCE Fowler Twp DATE Feb 6/9

SAMPLE REPORT

SAMPLE #	DESCRIPTION	TYPE	WIDTH	ASSAYS			CO-ORDINATES		SAMPLER
					Au	F#2			
A	Porphyry Dacite ? ? - pl Rust.	GrAB	40cm	Au	<5	"	16620E	8900N	M. Sta
B	Contact Between Porphyry + Intrusive ?	GrAB	40cm	Au	<5	"	16640E	8900N	
C	Porphyry (QTZ ? Stringers) VTR py	GrAB		Au	<5	"	16515E	8915N	
D	Altered, Alteration Colour ? 10 py	FloaT		Au	9	"	16525E	8920N	
E	Porphyry. TR py	FloaT		Au	<5	"	16300E	8750N	
F									
G									
H									
I									
J									
K									
L									
M									
N									
O									
P									
Q									
R									
S									
T									
U									
V									
W									

Norex Form: C:\forms\Samprep.frm

Plotted ✓

NORANDA EXPLORATION COMPANY, LIMITED Nº 1693

White - Office
Yellow - Field

LAB _____ PROJECT NO. _____ PROPERTY North Limit N.T.S. _____

CERT. NO. M. Stares GRID REFERENCE Fowler DATE July 6/90

SAMPLE REPORT

SAMPLE #	DESCRIPTION	TYPE	WIDTH	ASSAYS			CO-ORDINATES		SAMPLED
					Au	F#2			
A	Porphyry Sericite ? 7. py Rusty	Grab	40cm	Au	<5	"	16620E	8900N	M. St.
B	Contact Between Porphyry + Basalt	Grab	40cm	Au	<5	"	16640E	8900N	
C	Porphyry (QTZ Stringers) VTR py	Grab		Au	<5	"	16515E	8915N	
D	Altered, Green in Colour ? 10 py	Float		Au	9	"	16525E	8920N	
E	Porphyry, TR py	Float		Au	<5	"	16300E	8750N	
F									
G									
H									
I									
J									
K									
L									
M									
N									
O									
P									
Q									
R									
S									
T									
U									
V									
W									

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M. STRES ✓ Plotted

NORANDA EXPLORATION COMPANY, LIMITED № 1695

White - Office
Yellow - Field

LAB M. STRES

PROJECT NO. 505 PROPERTY North Lima

N.T.S. ______

CERT. NO. ______

GRID REFERENCE ______ Fowler

DATE [illegible]

SAMPLE REPORT

SAMPLE #	DESCRIPTION	TYPE	WIDTH	ASSAYS			CO-ORDINATES		SAMPLER
					Au	F#1			
A	(Float) From North Musser Creek			Au	9	"	North Musser	- Creek	MS
B	(Float) " " " "			Au	<5	"	"	"	MS
C	(Float) " " " "			Au	<5	"	"	"	MS
D	(Float) " " " "			Au	5	"	"	"	"
E	[illegible] 1% py			Au	<5/<5	"			
F	Contact between porphyry and mafic		3M	Au	<5	"			
G	Contact between " " "		3M	Au	<5	"	"	"	"
H	" " " "		"	"	11	"	"	"	"
I	Mafic side of contact		"	Au	<5/<5	"	"	"	"
J	Contact between intrusive and porphyry?			Au	<5	"	"	"	"
K	Porphyry rock 5% [illegible] 1% py		1M	Au	<5	"	"	"	"
L	[illegible] porphyry 3% py		"	Au	<5	"			
M	Contact between porphyry and intrusive!			Au	<5	"			
N	Sulfide 3% [illegible] 4% [illegible]		±1M	Au	<5/<5	"			
O	Float ([illegible] Mica) 2% py			Au	<5	"			
P									
Q									
R									
S									
T									
U									
V									
W									

Norex Form: C:\forms\Samprep.frm

1/2 plotted

№ 1697

White - Office
Yellow - Field

NORANDA EXPLORATION COMPANY, LIMITED

LAB ~~[illegible]~~ accurassy PROJECT NO. 505 PROPERTY North Limb N.T.S. ______

CERT. NO. ______ GRID REFERENCE North Limb (EAST SIDE OF Road) DATE July 13/[illegible]

Foules

SAMPLE REPORT

SAMPLE #	DESCRIPTION	TYPE	WIDTH	ASSAYS Au	ASSAYS	ASSAYS	CO-ORDINATES	CO-ORDINATES	SAMPLER
accu A	altered porphyry 3% py	GRAB	30cm	5/6			accurassay		M.S
accu B	altered porphyry 2% py Black mud?	?	1m	<5			accurassay		M.S
accu C	altered Green micas, Siliceous 2% py	GRAB	1½m	<5	multi Element		accurassay		M.S
accu D	" " " " "	"	1½m	<5	W.R		" "		M.S
Chemex E	altered Porphyry (Green micas	Grab	1m		W.R		Chemex		M.S
accu F	porphyry 1% py	Grab	1m	<5			accurassay		
accu G	altered porphyry 5% py	Grab	1m	<5	Multi Element		accurassay		
H	sheared porphyry 3% py	Grab	1m	10			588200	5409375	[illegible]
I	" " " "	"	"	19			"	"	"
J	" "	"	"	21			"	"	"
K	" "	"	"	41			"	"	"
L	" "	"	"	59			"	"	"
M	I-F (5% py).			137	1 Km in From Hwy				
N					ON N. Limb Road.				
O									
P									
Q									
R									
S									
T									
U									
V									
W									

Norex Form: C:\forms\Samprep.frm

№ 1823

White - Office
Yellow - Field

NORANDA EXPLORATION COMPANY, LIMITED

LAB Accurassay
CERT. NO.

PROJECT NO. 505 PROPERTY Valley ABC rest from Hemlo North.
GRID REFERENCE

N.T.S. 42 C 13
DATE 25 June 94

SAMPLE REPORT

SAMPLE #	DESCRIPTION	TYPE	WIDTH	ASSAYS	ppb Au		CO-ORDINATES		SAMPLER
A	weakly gossanous sediment (Rot)	Grab	—	Au			572350	5404625	R T
B	" " " (Rot)	Grab	—	Au			"	"	R T.
C	diabase with py 2% minor galena?	Grab	—	Au	<5		577570	5403890	R T.
with Mike D	felsite 5% pyrite	Grab	—	Au	56		589578	549578	B T
" E "	" " "	Grab	—	Au	16		589580	548580	S T
F	" " "	Grab	—	Au	<5	?	589420	540918 (5409160(?))	S T
G	felsite 5-6% pyrite	Grab	—	Au	<5		589309	5408692	"
H	felsite 2% pyrite	Grab	—	Au	<5		589300	5408700	S.T.
I	bleached sediment minor pyrite	Grab	—	Au	<5		587100	5409238	S T
J	minor pyrite trace galena or ...	Grab	—	Au	<5		587730	5409180	S.T.
K					<5				
L	narrow pyritic zone in greenstone 75% py	Grab	—	Au	20		587875	5409139	S.T.
M	quartzite 2% sulfides				8		588165	5409218	S.T.
N	shear in Quartz porphyry	Grab	—	Au	10		588140	5409364	S.T.
O	" " " "	Grab	—	Au	<5		588200	5409375	S.T.
P	sericite schist minor py.	Grab	—	Au	<5		588230	5409075	S.T.
Q	" " " " new last	Grab	—	Au	[illegible]	15(Q)	588250	5409050	S.T.
R	felsic outcrop, sericite 50% 5% fuchsite	"		Au	142		588372	5409090	S.T.
S	felsic minor py	"		Au	<5		588200	5409125	"
T	mafic volcanic fine gr.	"		Au	11		588308	5409160	"
U	felsite 2% py	"		Au	<5		588366	5409840	"
V	fuchsite in felsic bldr 3% py.	"		Au	<5		588653	5408837	"
W	felsic vol. 2% py.	"		Au	<5				

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ACCURASSAY LABORATORIES
A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 623-6448
FAX (807) 623-6820

NORANDA EXPLORATION CO., LTD.
Bag Service #8
Marathon, Ontario
P0T 2E0

July 19, 1994

Job #944698

Project #505

Sample # Accurassay	Customer	Gold ppb	Gold Oz/t
1	1693-A	<5	<0.001
2	1693-B	<5	<0.001
3	1693-C	<5	<0.001
4	1693-D	9	<0.001
5	1693-E	<5	<0.001
6	1695-A	9	<0.001
7	1695-B	<5	<0.001
8	1695-C	<5	<0.001
9	1695-D	5	<0.001
10	1695-E	<5	<0.001
11 Check	1695-E	<5	<0.001
12	1695-F	<5	<0.001
13	1695-G	<5	<0.001
14	1695-H	11	<0.001
15	1695-I	<5	<0.001
16	1695-I(2)	<5	<0.001
17	1695-J	<5	<0.001
18	1695-K	<5	<0.001
19	1695-M	<5	<0.001
20	1695-N	<5	<0.001
21 Check	1695-N	<5	<0.001
22	1695-O	<5	<0.001
23	1696-A (1695 AA)	<5	<0.001
24	1696-B	14	<0.001
25	1696-C	6	<0.001
26	1696-D	17	<0.001
27	1696-E	8	<0.001
28	1696-F	10	<0.001

Certified By: Bill Beer

ACCURASSAY LABORATORIES
A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
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FAX (807) 623-6820

NORANDA EXPLORATION CO., LTD.
Bag Service #8
Marathon, Ontario
P0T 2E0

July 19, 1994

Job #944698

Project #505

Sample # Accurassay	Customer	Gold ppb	Gold Oz/t
1	1693-A	<5	<0.001
2	1693-B	<5	<0.001
3	1693-C	<5	<0.001
4	1693-D	9	<0.001
5	1693-E	<5	<0.001
6	1695-A	9	<0.001
7	1695-B	<5	<0.001
8	1695-C	<5	<0.001
9	1695-D	5	<0.001
10	1695-E	<5	<0.001
11 Check	1695-E	<5	<0.001
12	1695-F	<5	<0.001
13	1695-G	<5	<0.001
14	1695-H	11	<0.001
15	1695-I	<5	<0.001
16	1695-I(2)	<5	<0.001
17	1695-J	<5	<0.001
18	1695-K	<5	<0.001
19	1695-M	<5	<0.001
20	1695-N	<5	<0.001
21 Check	1695-N	<5	<0.001
22	1695-O	<5	<0.001
23	1696-A (1695 AA)	<5	<0.001
24	1696-B	14	<0.001
25	1696-C	6	<0.001
26	1696-D	17	<0.001
27	1696-E	8	<0.001
28	1696-F	10	<0.001

Certified By: Bob Beers

ACCURASSAY LABORATORIES
A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
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NORANDA EXPLORATION CO., LTD.
Bag Service #8
Marathon, Ontario
P0T 2E0

July 19, 1994

Job #944698

Project #505

Sample # Accurassay		Customer	Gold ppb	Gold Oz/t
29		1696-G	19	<0.001
30		1697-A	5	<0.001
31	Check	1697-A	6	<0.001
32		1697-B	<5	<0.001
33		1697-C	<5	<0.001
34		1697-D	<5	<0.001
35		1697-F	<5	<0.001
36		1697-G	<5	<0.001

Certified By: Rob Bell

ACCURASSAY LABORATORIES
A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 623-6448
FAX (807) 623-6820

NORANDA EXPLORATION CO., LTD.
Bag Service #8
Marathon, Ontario
POT 2E0

August 9, 1994

Job #944698

Project # 505

Sample #	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	La ppm	Mg %
1697-C	0.1	0.52	3	53	<1	<3	0.04	<1	22	23	10	1.79	2	0.05
1697-D	0.1	0.59	4	62	<1	<3	0.02	<1	28	26	9	1.96	2	0.04
1697-G	0.2	0.12	3	22	<1	<3	0.03	<1	33	498	3	2.6	<1	0.06
1696-G	0.9	1.32	17	33	<1	<3	0.99	8	51	576	273	5.51	13	0.65

Sample #	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Si %	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
1697-C	19	12	0.02	39	81	8	<2	0.01	4	0.02	12	2	42
1697-D	15	12	0.02	52	108	5	2	0.02	3	0.02	13	2	85
1697-G	58	2	0.03	46	65	<2	<2	0.01	11	0.09	20	<2	13
1696-G	423	5	0.03	87	407	41	<2	0.02	6	0.09	47	8	4689

Certified By:

ACCURASSAY LABORATORIES
A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 623-6448
FAX (807) 623-6820

NORANDA EXPLORATION CO., LTD.
Bag Service #8
Marathon, Ontario
P0T 2E0

July 26, 1994

Job #944710

Project #505

Sample # Accurassay	Customer	Gold ppb	Gold Oz/t
1	1697-H	10	<0.001
2	1697-I	19	<0.001
3	1697-J	21	<0.001
4	1697-K	41	0.001
5	1697-L	59	0.002
6	1697-M	137	0.004
7	1823-W	<5	<0.001
8	1823-V	<5	<0.001
9	1823-U	<5	<0.001
10	1823-T	9	<0.001
11 Check	1823-T	11	<0.001
12	1823-S	<5	<0.001
13	1823-R	142	0.004
14	1823-Q	<5	<0.001
15	1823-P	<5	<0.001
16	1823-O	15	<0.001
17	1823-N	10	<0.001
18	1823-M	8	<0.001
19	1823-L	20	<0.001
20	1823-K	<5	<0.001
21 Check	1823-K	8	<0.001
22	1823-J	<5	<0.001
23	1823-I	<5	<0.001
24	1823-H	<5	<0.001
25	1823-G	<5	<0.001
26	1823-F	<5	<0.001
27	1823-E	16	<0.001
28	1823-D	56	0.002
29	1823-C	<5	<0.001

Certified By: Rob Beels

09957 ✓ **Norex Sample Record Sheet**

Project Name: Hemlo North Number: 505 District: Hemlo

Date: 18/July 94. Sampler: S.T.

Plotted

Sample #	Au O.P.T.	Au P.P.B.	Zn	Cu		SiO_2	Al_2O_3	Fe_2O_3	CaO	Na_2O	TiO_2	P_2O_5	BaO	Lol		Au ppb	GPS LOCATION Sample Description	
A	<5	✓	felsite boulders (find outcrop afterwards)													5% py Au	588355 Eastings 5409100 NORTHING	NL
B	<5	✓	felsite with fuschsite mica in boulder 5% Pyrite														588716 5408770	F#1
C	5	✓	intermediate Volcanic 5% py. bearing boulder														588736 5408800	"
D	<5	✓	cherty felsite with splaches of green mica														588768 5408830	"
E	<5	✓	felsite with varying amounts of green mica & py.														↑	"
F	<5	✓	in large boulders.														same location	"
G	<5	✓															↓	"
H	<5	✓																"
I	6	✓	felsite with green mica pyrite.														588750 5408800.	F#1
J		✓	Andesitic felsic to intermediate Volcanics														588270 5409150	NL
K		✓	felsite minor green mica pyrite														588700 5408860	QUED
L		✓	felsite minor green mica 3% pyrite														588778 5408750.	F#1
M		✓	felsite lots green mica & sericite 2% py														588840 5408846	F#1
N		✓	"			"	"	"	"	"	"	"	"	"			same	"
O		✓	"			"	"	"	"	"	"	"	"	"			same	"
P		✓	felsite minor green mica 20% sericite 1% py														same	"

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N Nº 09959

Norex Sample Record Sheet

Project Name: North Limb Number: 505 District: Hemlo North

Plotted

Date: 19 July Sampler: S.T.

LOCATION

Sample #	Au O.P.T.	Au P.P.B.	Zn	Cu		SiO^2	Al^2O^3	Fe^2O^3	CaO	Na^2O	TiO^2	P^2O^5	BaO	Lol					Sample Description
A ✓		✓			basic volcanic boulder at felsic contact														588821 5408830.

N 09962 Plotted ✓

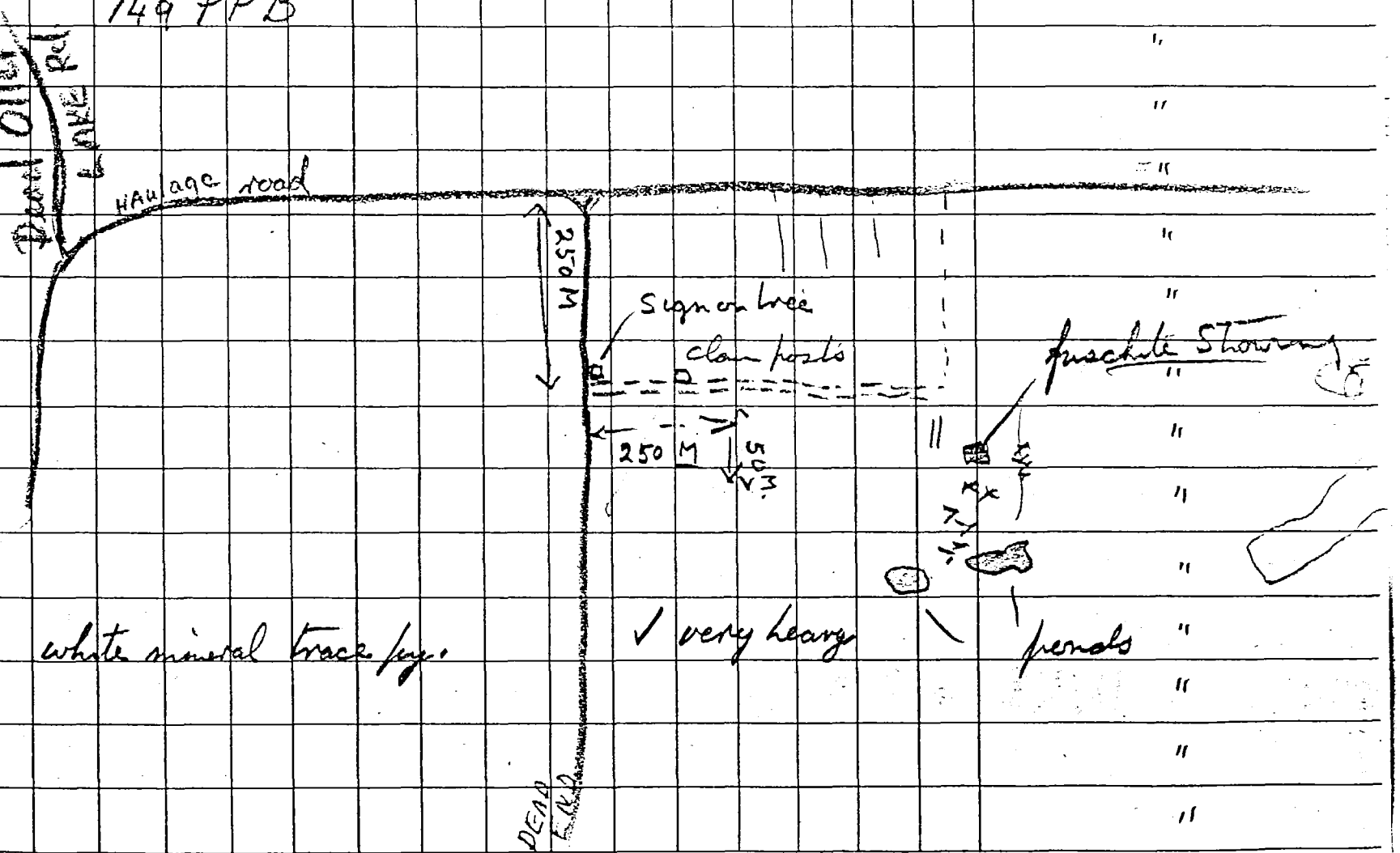
Norex Sample Record Sheet

Project Name: Hemlo North Number: 505 District: Hemlo

Date: 28/July/94 Sampler: S.T. Hemlo North

Foule?

Sample #	Au O.P.T.	Au P.P.B.	Zn	Cu		SiO^2	Al^2O^3	Fe^2O^3	CaO	Na^2O	TiO^2	P^2O^5	BaO	Lol					Sample Description
A	6	✓			Taken from felsic zone where we get														F#1
B	<5	✓			149 PPB														"
C	#7	✓																	"
D	8	✓																	"
E	<5	✓																	"
F	7	✓																	"
G	<5	✓																	"
H	6	✓																	"
I	7																		"
J	<5	✓																	"
K	3/8	✓																	"
L	6	✓		white mineral trace fsp.									✓ very heavy						"
M																			"
N																			"
O																			"



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ACCURASSAY LABORATORIES
A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 623-6448
FAX (807) 623-6820

NORANDA EXPLORATION CO., LTD.
Bag Service #8
Marathon, Ontario
P0T 2E0

July 26, 1994

Job #944731

Project #505

Sample # Accurassay	Customer	Gold ppb	Gold Oz/t
1	9957-A	<5	<0.001
2	9957-B	<5	<0.001
3	9957-C	5	<0.001
4	9957-D	<5	<0.001
5	9957-E	<5	<0.001
6	9957-F	<5	<0.001
7	9957-G	<5	<0.001
8	9957-H	<5	<0.001
9	9957-I	6	<0.001

Certified By: Chris Beech

ACCURASSAY LABORATORIES
A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 623-6448
FAX (807) 623-6820

NORANDA EXPLORATION CO., LTD.
Bag Service #8
Marathon, Ontario
P0T 2E0

July 29, 1994

Job #944742

Project #505

Sample # Accurassay	Customer	Gold ppb	Gold Oz/t
1	9957-J	28	<0.001
2	9957-K	<5	<0.001
3	9957-L	<5	<0.001
4	9957-M	<5	<0.001
5	9957-N	<5	<0.001
6	9957-O	<5	<0.001
7	9957-P	<5	<0.001
8	9959-A	27	<0.001
9 Check	9959-A	28	<0.001

Certified By: Otto Beaven

ACCURASSAY LABORATORIES
A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 623-6448
FAX (807) 623-6820

NORANDA EXPLORATION CO., LTD.
Bag Service #8
Marathon, Ontario
P0T 2E0

August 4, 1994

Job #944766

Project #505

Sample # Accurassay		Customer	Gold ppb	Gold Oz/t
1		9962-A	6	<0.001
2		9962-B	<5	<0.001
3		9962-C	7	<0.001
4		9962-D	8	<0.001
5		9962-E	<5	<0.001
6		9962-F	7	<0.001
7		9962-G	<5	<0.001
8		9962-H	6	<0.001
9		9962-J	<5	<0.001
10		9962-K	103	0.003
11	Check	9962-K	89	0.003
12		9962-L	6	<0.001

Certified By: Chris Beuer

ACCURASSAY LABORATORIES
A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 623-6448
FAX (807) 623-6820

NORANDA EXPLORATION CO., LTD.
Bag Service #8
Marathon, Ontario
P0T 2E0

94

August 5, 1994

Job #944776

Project #505

Sample # Accurassay	Customer	Gold ppb	Gold Oz/t
1		7	<0.001
2	9962-I	6	<0.001
3	9963-A	12	<0.001
4	9963-B	6	<0.001
5	9963-C	7	<0.001
6	9963-D	<5	<0.001
7	9963-E	<5	<0.001
8	9963-F	22	<0.001
9	9963-G	<5	<0.001
10	9963-H	<5	<0.001
11	Check 9963-I	<5	<0.001
12	9963-J	<5	<0.001
13	9963-K	<5	<0.001
14	9963-L	<5	<0.001
15	9963-M	<5	<0.001

ified By: Chris Beer

ACCURASSAY LABORATORIES
A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 623-6448
FAX (807) 623-6820

NORANDA EXPLORATION CO., LTD.
Bag Service #8
Marathon, Ontario
P0T 2E0

August 4, 1994

Job #944766

Project #505

Sample # Accurassay	Customer	Barium ppm
1	9962-L	478

Certified By: Peter Beaven

APPENDIX II

Statement of Authorship and Qualifications

The author of this report is Paul Johnston. I conducted the geological survey starting June 14 and completing on October 24, 1994. My mailing address is:

P.O. Box 3197
Manitouwadge, Ontario
P0T 2C0

I hold a B.Sc. (honours, (1987) from Carleton University and an a M.Sc (Minex, 1990) in geology from Queen's University. I have worked in exploration and mining continuously from 1987.

Ministry of Northern Development and Mines
Ontario

Report of Work Conducted After Recording Claim

Mining Act

Transaction Number: W9540.118

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

Instructions:
- Please type or print and submit in duplicate.
- Refer to the Mining Act and Regulations for req Recorder.
- A separate copy of this form must be completed
- Technical reports and maps must accompany th
- A sketch, showing the claims the work is assign

42C13SW0025 2.16219 WABIKOBA LAKE

900

Recorded Holder(s)		Client No.
Hemlo Gold Mines Inc.		143550
Address		**Telephone No.**
PO Box 1205, 60 Shirley St. South, Timmins, Ont P4N 7J5		(705) 268-9600
Mining Division	**Township/Area**	**M or G Plan No.**
Thunder Bay	Wabikoba Lake/White Lake (North Part)	G620/G622
Dates Work Performed From: June 14, 1994	To: November 29, 1994	

Work Performed (Check One Work Group Only)

	Work Group	Type
	Geotechnical Survey	Linecutting, geology, mag & IP survey, rock sampling, trench sampling
	Physical Work, Including Drilling	
	Rehabilitation	
	Other Authorized Work	
	Assays	Rock & Trench samples
	Assignment from Reserve	

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Total Assessment Work Claimed on the Attached Statement of Costs $ 27,077.00

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
Paul Johnston (Author)	c/o Po Box 40, Marathon, Ont. P0T 2E0
B. MacLachlan, M. Andrychuk, M. Stares,	Ditto
S. Stares, L. Cross, C. Seelleski, J. McIsaac,	
D. Hancock, H. Palomaki	

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

	Date	Recorded Holder or Agent (Signature)
I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	April 18, 1995	

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.

Name and Address of Person Certifying		
Wayne Reid c/o PO Box 1205, 60 Shirley St. South, Timmins, Ont. P4N 7J5		
Telepone No.	**Date**	**Certified By (Signature)**
(705) 268-9600	April 18/95	Wayne Reid

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	Received Stamp
$27077			
	Deemed Approval Date: July 19/95	Date Approved	
	Date Notice of Amendments Sent		

0241 (03/91)

Ontario

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des mines

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./N° de transaction: W9540-118

2.16916

Personal information collected on this form is obtained under the authority of the **Mining Act**. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la **Loi sur les mines** et serviront à tenir à jour un registre des concessions minières. Adresser toute quesiton sur la collece de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre	11,916.00	
	Field Supervision Supervision sur le terrain	3480.00	15,396.00
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type LC (Vytyl Explr & Stores Contracting	5118.00	
	Prospecting, S. Thompson	1476.00	
	Assaying	1248.00	7842.00
Supplies Used Fournitures utilisées	Type Flagging, Sample bags etc	147.00	
			147.00
Equipment Rental Location de matériel	Type		
	Total Direct Costs Total des coûts directs		23,385.00

2. Indirect Costs/Coûts Indirects

** **Note:** When claiming Rehabilitation work Indirect costs are not allowable as assessment work.
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type Truck Rental	2376.00	
	Gas	288.00	
	RECEIVED		
	OCT 04 1995		
	MINING LANDS BRANCH		2664.00
Food and Lodging Nourriture et hébergement	Groceries	1008.00	1008.00
Mobilization and Demobilization Mobilisation et démobilisation			
	Sub Total of Indirect Costs Total partiel des coûts indirects		3672.00
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			3692.00
Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs)	**Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles**		27,077.00

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note : Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Filing Discounts

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
× 0.50 =	

Remises pour dépôt

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Évaluation totale demandée
× 0,50 =	

Certification Verifying Statement of Costs

I hereby certify:
that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as Lands Manager (Recorded Holder, Agent, Position in Company) I am authorized

to make this certification

Attestation de l'état des coûts

J'atteste par la présente :
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de _____ (titulaire enregistré, représentant, poste occupé dans la compagnie) je suis autorisé

à faire cette attestation.

Signature	Date
	April 18, 1995

Notez que dans la présente formule, le masculin désigne des personnes le mas- in est utilisé à titre neutre

Ministry of Northern Development and Mines

Ontario

Ministère du Développement du Nord et des mines

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./N° de transaction: W9540-118

2.1682

Personal information collected on this form is obtained under the authority of the **Mining Act**. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

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Type	Description	Amount Montant	Totals Total global
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Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type LC (Vytyl Expln & Stores Contracting	5118.00	
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	Assaying	1248.00	7,842.00
Supplies Used Fournitures utilisées	Type Flagging, Sample bags etc	147.00	
			147.00
Equipment Rental Location de matériel	Type		
	Total Direct Costs Total des coûts directs		23,385.00

2. Indirect Costs/Coûts indirects

** **Note:** When claiming Rehabilitation work Indirect costs are not allowable as assessment work.
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type Truck Rental	2396.00	
	Gas	288.00	
			2684.00
Food and Lodging Nourriture et hébergement	Groceries	1008.00	1008.00
Mobilization and Demobilization Mobilisation et démobilisation			
	Sub Total of Indirect Costs Total partiel des coûts indirects		3692.00
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			3692.00
Total Value of Assessment Credit (Total of Direct and Allowable indirect costs) / **Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)**			27,077.00

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Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note : Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

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2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	*Total Assessment Claimed*
× 0.50 =	

Remises pour dépôt

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	*Évaluation totale demandée*
× 0,50 =	

Certification Verifying Statement of Costs

I hereby certify:
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Et qu'à titre de _____ (titulaire enregistré, représentant, poste occupé dans la compagnie) je suis autorisé

à faire cette attestation.

Signature	Date
	April 18, 1995

0212 (04/91)

Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.

Details for Work Report # ABONT95.006 — 16215 — Page 1

Work Report# for Applying Reserve	Claim Number (see note 2)	# of Claim Units	Value of Assesment Work Done on this Claim	Value Applied to this Claim	Values Assigned from this Claim	Reserve:Work to be Claimed at a Future Date
	TB 1.099.390	1	1.702.00	400.00		1.302.00
	TB 1.153.692	1	2.157.00	400.00		1.757.00
	TB 1.166.521	1	2.157.00	400.00		1.757.00
	TB 1.166.522	1	2.533.00	400.00	400.00	1.733.00
	TB 1.166.523	1	2.157.00	400.00		1.757.00
	TB 1.166.524	1	2.157.00	400.00		1.757.00
	TB 1.166.525	1	3.716.00	400.00		3.316.00
	TB 1.166.526	1	0.00	400.00		
	TB 1.183.290	1	1.694.00	229.00		1.465.00
	TB 1.183.291	1	2.157.00	400.00		1.757.00
	TB 1.183.292	1	2.333.00	400.00		1.933.00
	TB 1.196.346	2	2.157.00	800.00		1.357.00
	TB 1.196.347	12	2.157.00	2.157.00		
	13		27.077.00	7.186.00	400.00	19.991.00
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

RECEIVED
OCT 04 1995
MINING LANDS BRANCH

Credits you are claiming in this report may be cut back. In order to minimize the adverse affects of such deletions, please indicate from which claims you wish to priorize the deletion of credits. Please mark (x) one of the following:

1. [ ] Credits are to be cut back starting with the claims listed last, working backwards.

2. [ ] Credits are to be cut back equally over all claims contained in this report of work.

3. [ ] Credits are to be cut back as priorized on the attatched appendix.

4. [x] Credits are to be cut back starting with the claims that have reserve credits.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial Interest are unrecorded transfers, option payments, memorandum of agreements, etc.. with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.	Signature	Date

Ontario

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des Mines

Geoscience Approvals Office
933 Ramsey Lake Rd., 6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (705) 670-5853
Fax: (705) 670-5863

October 05, 1995

Our File: 2.16219
Transaction #: W9540.00118

Mining Recorder
Ministry of Northern Development & Mines
435 James Street South
Suite B003
Thunder Bay, Ontario
P7E 6E3

Dear Mr. Weirmeir:

RE: APPROVAL OF GEOLOGY & GEOPHYSICAL ASSESSMENT WORK SUBMITTED ON MINING CLAIMS 1099990 et al. IN WABIKOBA LAKE AREA

An administrative error resulted in this work report not being assessed prior to the 90 day deemed approval date. Accordingly, as outlined in subsection 6(5) of the Mining Act Regulations, this Report of Work is **deemed approved** as of **July 19, 1995.**

If you have any questions regarding this correspondence please contact Steven Beneteau at (705) 670-5855.

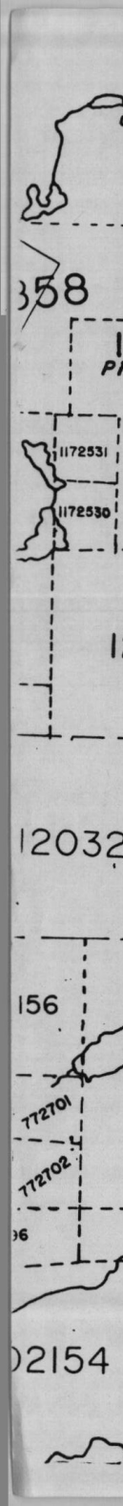
Yours sincerely

Ron C. Gashinski
Senior Manager, Mining Lands Section
Mining and Land Management Branch
Mines and Minerals Division

SBB/sb

cc: Resident Geologist
Thunder Bay, Ontario

Assessment Files Office
Sudbury, Ontario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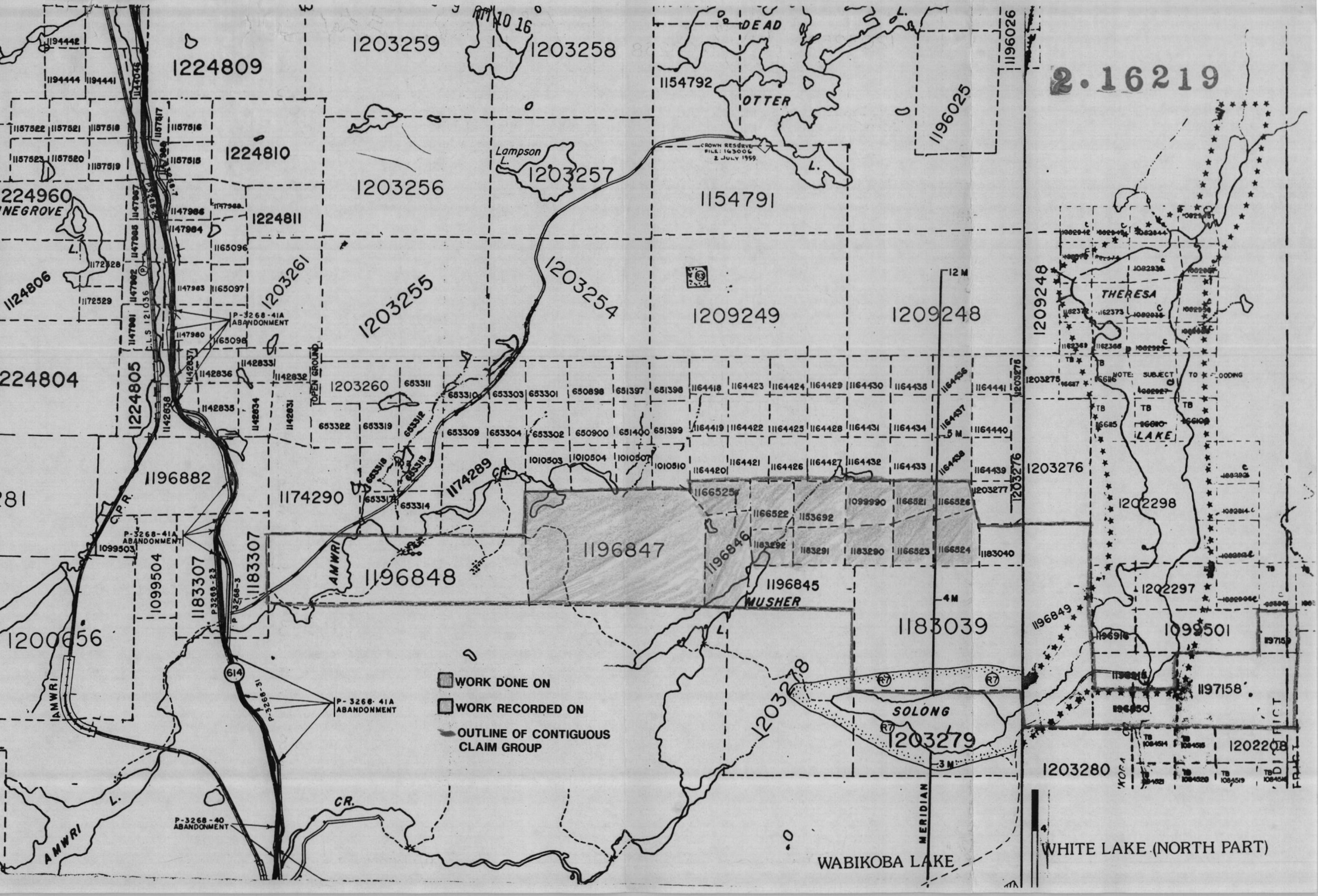
1172531
1172530
12032
156
772701
772702
02154

2.16219


WORK DONE ON
WORK RECORDED ON
OUTLINE OF CONTIGUOUS CLAIM GROUP
WABIKOBA LAKE
WHITE LAKE (NORTH PART)
DEAD
OTTER
Lampson L.
THERESA
LAKE
SOLONG
MUSHER
AMWRI
AMWRI L.
C.P.R.
P-3268-41A ABANDONMENT
P-3268-40 ABANDONMENT
CROWN RESERVE FILE: 163006 2 JULY 1959
12 M
5 M
4 M
3 M
MERIDIAN
1224809
1203259
1203258
1154792
1196026
1196025
1224810
1203256
1203257
1154791
1224960
1224811
1203261
1203255
1203254
1209249
1209248
1224806
1224805
1224804
1203260
1196882
1174290
1174289
1196847
1196846
1196845
1196848
1183307
1099504
1200656
1203276
1202298
1202297
1099501
1196849
1183039
1203278
1203279
1197158
1202208
1203280

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. – MINING RIGHTS ONLY
S.R.O. – SURFACE RIGHTS ONLY
M.+ S. – MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File

(R) Lands subject to easement for tailings disposal (Rombay twp. landroll) easement #84-10

(R2) Surface and mining rights withdrawn from staking order W 33/85, 18/12/85.

(R3) Surface rights withdrawn from staking order W 28/83, 20/10/83.

(R4) Surface rights withdrawn from staking order W 22/84, 14/09/84.

(R5) Surface rights withdrawn from staking order W 10/85, 02/10/85.

~~(R6) Surface rights withdrawn from staking order W TB 84/94NWR 94/16/14, septic drying bed.~~ RESCINDED ORDER C-TB 1/88 NWR

(R7) area subject to flooding and other rights under easement #85-14 see white lake north landroll.

BLACK RIVER G-580

LORNA LAKE G-598 (EXPUNGED)

ROUS LAKE G-611

WHITE LAKE (N. PT.) G-622

WHITE LAKE (S. PT.) G-623

BOMBY TWP. G-3173

BROTHERS TWP. G-3172

2.16219 GEOL) MAG I.P.

LEGEND

- HIGHWAY AND ROUTE No
- OTHER ROADS
- TRAILS
- SURVEYED LINES
  - TOWNSHIPS, BASE LINES ETC
  - LOTS, MINING CLAIMS, PARCELS, ETC
- UNSURVEYED LINES
  - LOT LINES
  - PARCEL BOUNDARY
  - MINING CLAIMS ETC
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- **ORIGINAL SHORELINE**
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" , SURFACE RIGHTS ONLY	◒
" , MINING RIGHTS ONLY	◓
LEASE, SURFACE & MINING RIGHTS	■
" , SURFACE RIGHTS ONLY	▣
" , MINING RIGHTS ONLY	▤
LICENCE OF OCCUPATION	▼
ORDER-IN-COUNCIL	OC
RESERVATION	R
CANCELLED	⊗
SAND & GRAVEL	P

LAND USE PERMITS FOR COMMERCIAL TOURISM, OUTPOST CAMPS

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 8, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 62, SUBSEC. 1

SCALE: 1 INCH = 40 CHAINS

FEET 0 1000 2000 4000 6000 8000
METRES 0 200 1000 2000 (1 KM) (2 KM)

SOLONG LAKE SUBJECT TO FLOODING TO ELEVATION GSC 383.75 METRES

Lands Surrounded by This Marking are Subject to Sec. 189 Easement #84-10. See Bomby Landroll.

★★★★★ Lands Surrounded by This Marking are Subject to Flooding and other rights, as per Sec. 189 Easement #85-14. See White Lake N. Landroll.

NOTE: The above Easements Run With The Land And Will Affect Leases And Patents.

The information that appears on this map has been compiled from various sources and accuracy is not guaranteed. Those wishing to stake MINING CLAIMS should consult with the MINING RECORDER Ministry of Northern Development and Mines for additional information on the status of the lands shown hereon.

AREA

WABIKOBA LAKE

M.N.R. ADMINISTRATIVE DISTRICT
TERRACE BAY
MINING DIVISION
THUNDER BAY
LAND TITLES / REGISTRY DIVISION
THUNDER BAY

Ontario Ministry of Natural Resources — Land Management Branch

Date AUGUST 1984 — Number G-620

In service Oct. 28/94..

42C13SW0025 2.16219 WABIKOBA LAKE

200

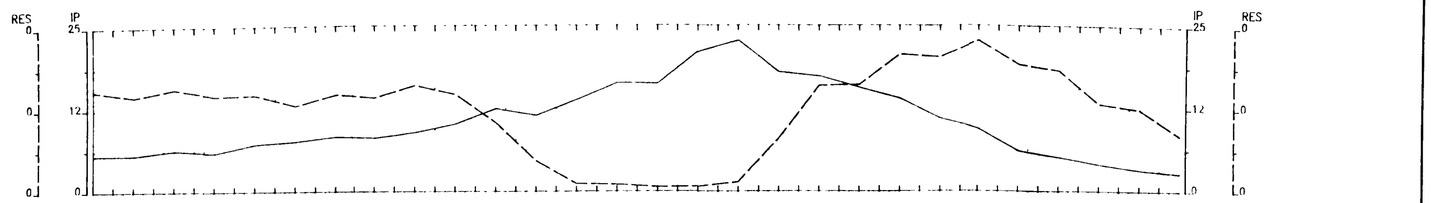
42C13SW0025 2.16219 WABIKOBA LAKE

210

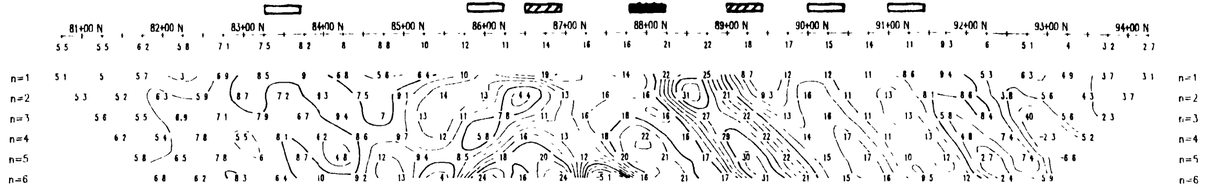
42C13SW0025 2.16219 WABIKOBA LAKE

220

42C13SW0025 2.16219 WABIKOBA LAKE 230

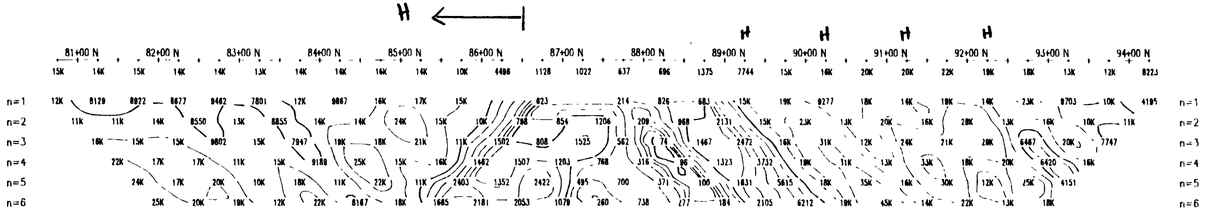


CHARGEABILITY
mV/V



CHARGEABILITY
mV/V

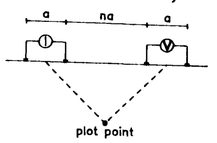
APPARENT
RESISISTIVITY
ohm-m



APPARENT
RESISISTIVITY
ohm-m

Filter

Dipole-Dipole Array



DIPOLE LENGTH : a=50
DIPOLE SPACINGS : n = 6
WINDOW :

CHARGEABILITY
Interval 2%, 10%
RESISTIVITY
Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10,..

INSTRUMENTS
RECEIVER : BRGM IP-6
TRANSMITTER : PHOENIX IPT1-B

Scale 1:5000

50 0 50 100 150
(meters)

FOWLER 2

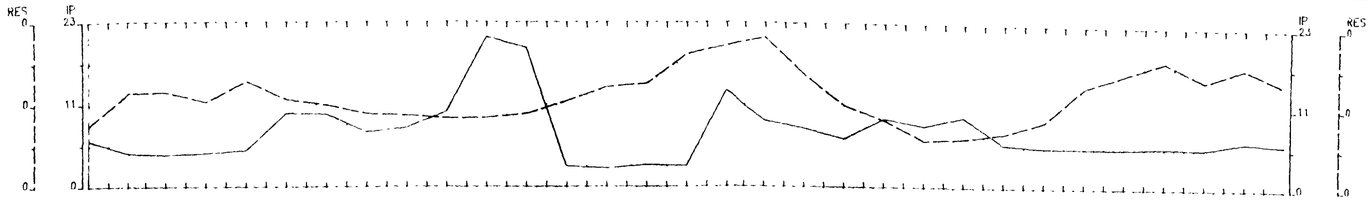
INDUCED POLARISATION

LINE 17400E

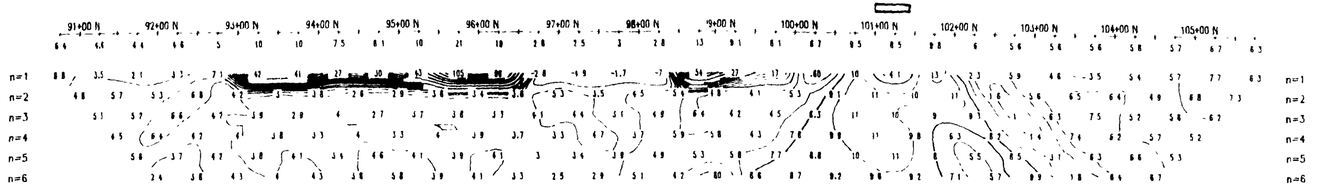
Date : DEC. 1994
Property : 530
NTS : 42 D/9
Survey by : NOREX

hemlo gold
Mines Inc.

2.16219

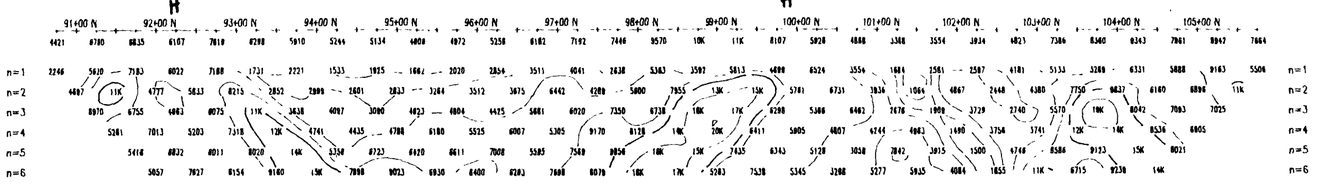


CHARGEABILITY
mV/V



CHARGEABILITY
mV/V

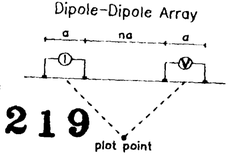
APPARENT
RESISISTIVITY
ohm-m



APPARENT
RESISISTIVITY
ohm-m

Filter

Dipole-Dipole Array



DIPOLE LENGTH : a=50
DIPOLE SPACINGS : n = 6
WINDOW :

CHARGEABILITY
Interval 2%, 10%
RESISTIVITY
Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10,..

INSTRUMENTS
RECEIVER : BRGM ELREC-6
TRANSMITTER : PHOENIX IPT-1B

Scale 1:5000

50 0 50 100 150
(meters)

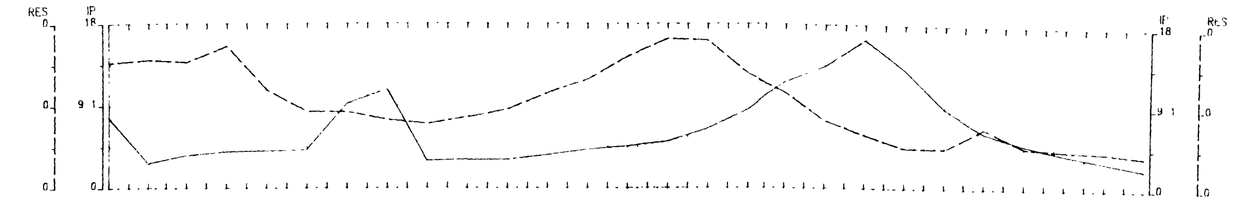
NORTH LIMB

INDUCED POLARISATION

LINE 14200E

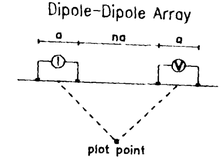
Date : NOVEMBER 1994
Property : 505
NTS : 42 D/9
Survey by : NOREX

hemlo gold
Mines Inc.



Filter

Dipole-Dipole Array



DIPOLE LENGTH : a=50
DIPOLE SPACINGS : n = 6
WINDOW :

CHARGEABILITY
Interval 2%, 10%
RESISTIVITY
Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10,..

INSTRUMENTS
RECEIVER : BRGM ELREC-6
TRANSMITTER : PHOENIX IPT-1B

Scale 1:5000

50 0 50 100 150
(meters)

2.16219

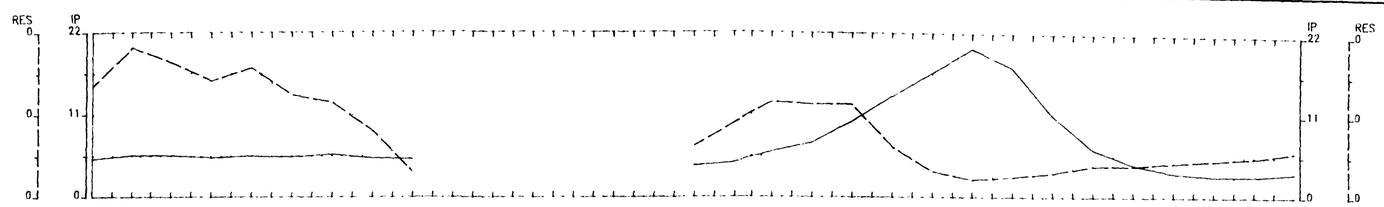
NORTH LIMB

INDUCED POLARISATION

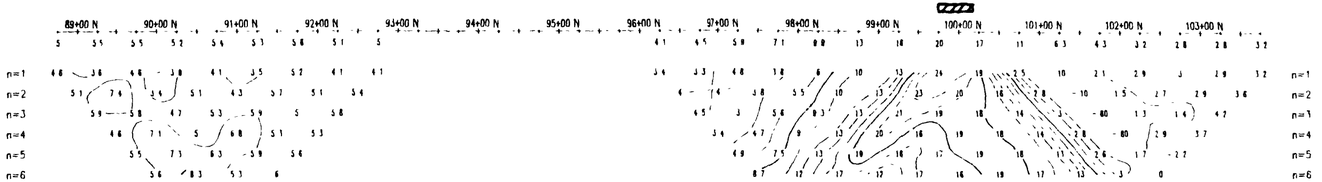
LINE 14400E

Date : NOVEMBER 1994
Property : 505
NTS : 42 D/9
Survey by : NOREX

hemlo gold
Mines Inc.

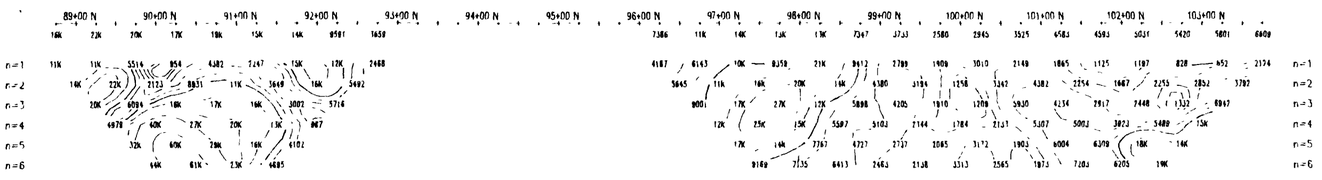


CHARGEABILITY
mV/V



CHARGEABILITY
mV/V

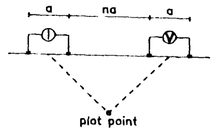
APPARENT
RESISISTIVITY
ohm-m



APPARENT
RESISISTIVITY
ohm-m

Filter

Dipole-Dipole Array



DIPOLE LENGTH : a=50
DIPOLE SPACINGS : n = 6
WINDOW :

CHARGEABILITY
Interval 2%, 10%

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

INSTRUMENTS
RECEIVER : BRGM ELREC-6
TRANSMITTER : PHOENIX IPT-1B

Scale 1:5000

50 0 50 100 150
(meters)

2.16219

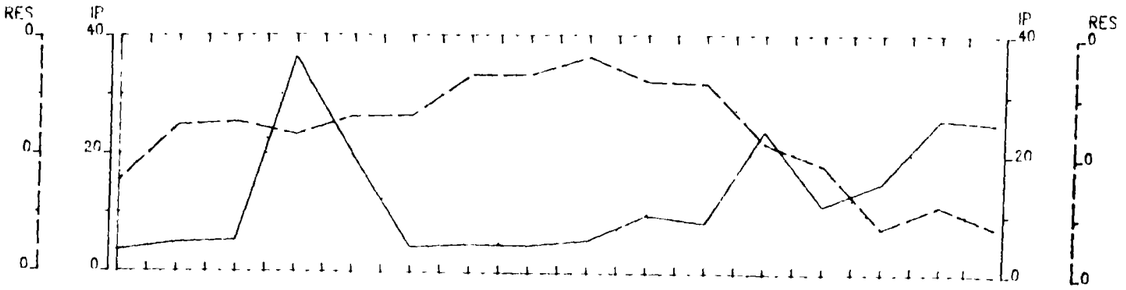
NORTH LIMB

INDUCED POLARISATION

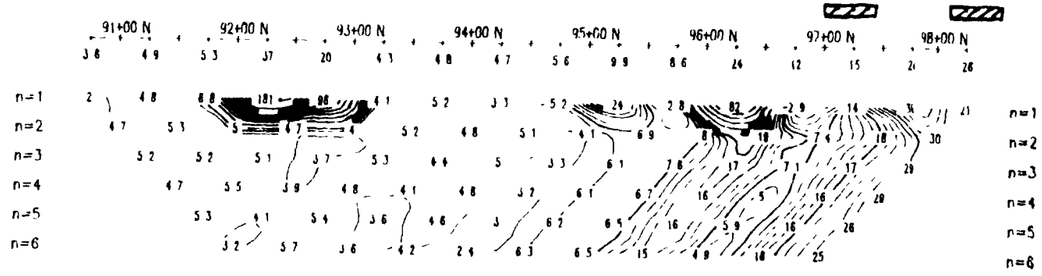
LINE 14600E

Date : DECEMBER 1994
Property : 505
NTS : 42 D/9
Survey by : NOREX

hemlo gold
Mines Inc.

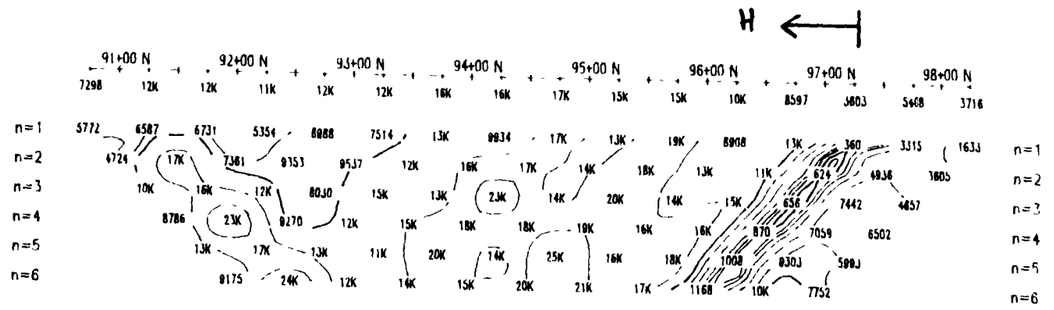


CHARGEABILITY
mV/V



CHARGEABILITY
mV/V

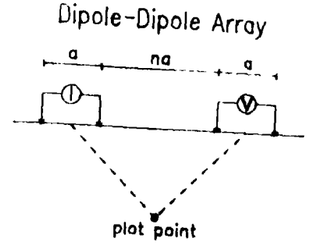
APPARENT
RESISISTIVITY
ohm-m



APPARENT
RESISISTIVITY
ohm-m

Filter

Dipole-Dipole Array



DIPOLE LENGTH : a=50
DIPOLE SPACINGS : n = 6
WINDOW :

CHARGEABILITY
Interval 2%, 10%
RESISTIVITY
Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10,..

INSTRUMENTS
RECEIVER : BRGM IP-6
TRANSMITTER : PHOENIX IPT1-B

Scale 1:5000

50 0 50 100 150
(meters)

2.16219

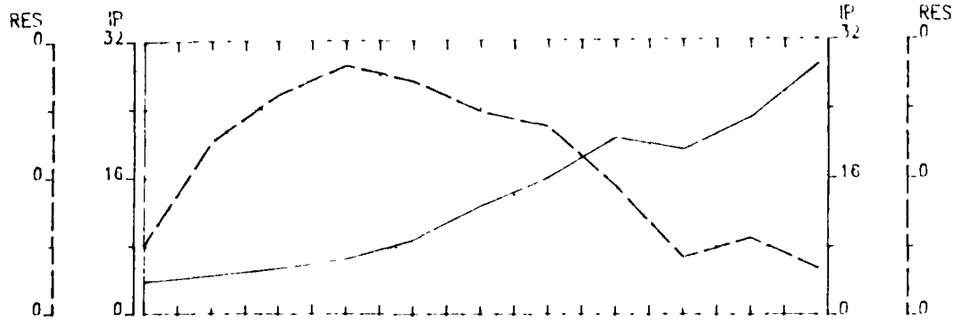
FOWLER GRID

INDUCED POLARISATION

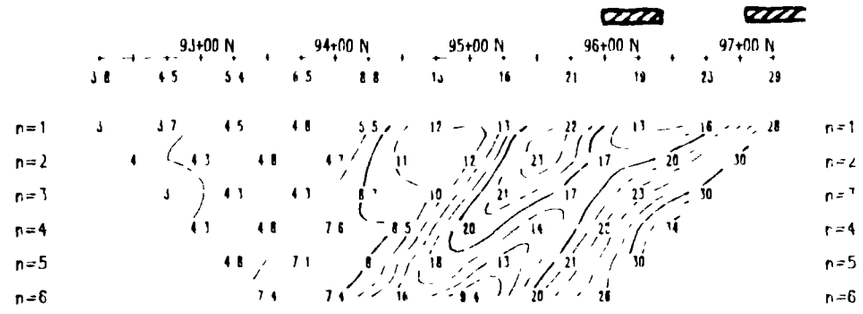
LINE 15200E

Date : NOVEMBER 1994
Property : FOWLER
NTS : 42-D/9
Survey by : NOREX

hemlo gold
Mines Inc.



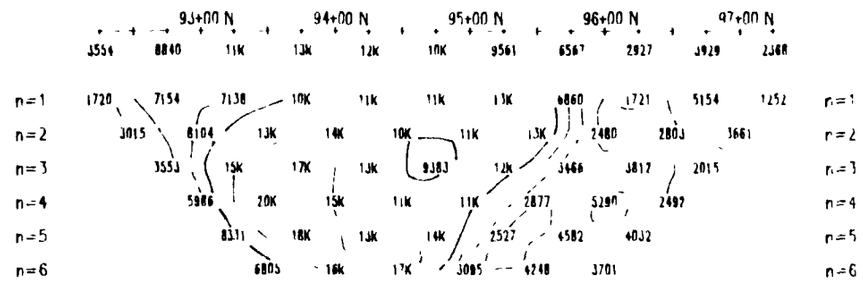
CHARGEABILITY
mV/V



CHARGEABILITY
mV/V

H

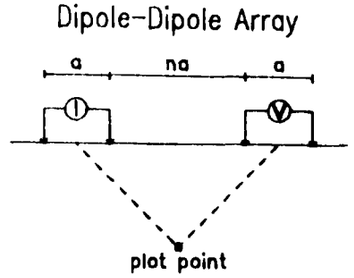
APPARENT
RESISISTIVITY
ohm-m



APPARENT
RESISISTIVITY
ohm-m

Filter

Dipole-Dipole Array



DIPOLE LENGTH : a=50
DIPOLE SPACINGS : n = 6
WINDOW :

CHARGEABILITY
Interval 2%, 10%
RESISTIVITY
Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10,..

INSTRUMENTS
RECEIVER : BRGM IP-6
TRANSMITTER : PHOENIX IPT1-B

Scale 1:5000

50 0 50 100 150
(meters)

2.16219

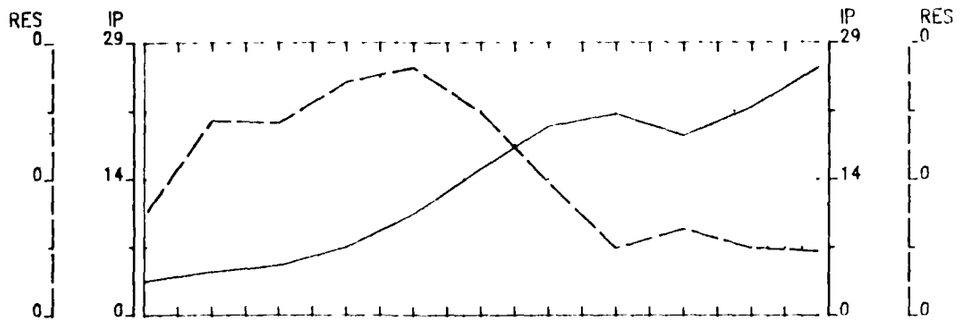
FOWLER 1

INDUCED POLARISATION

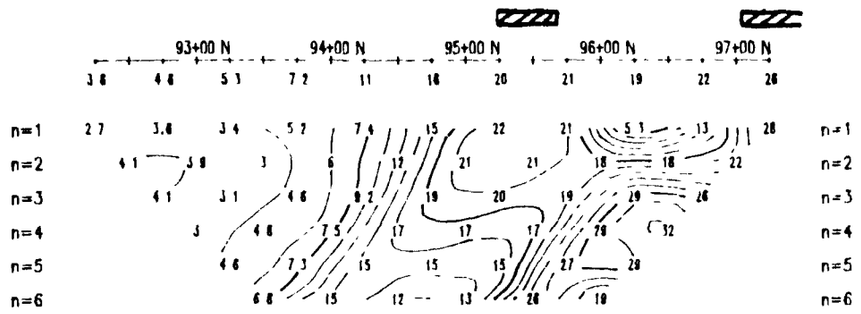
LINE 15400E

Date : NOVEMBER 1994
Property : 529
NTS : 42 D/9
Survey by : NOREX

hemlo gold
Mines Inc.

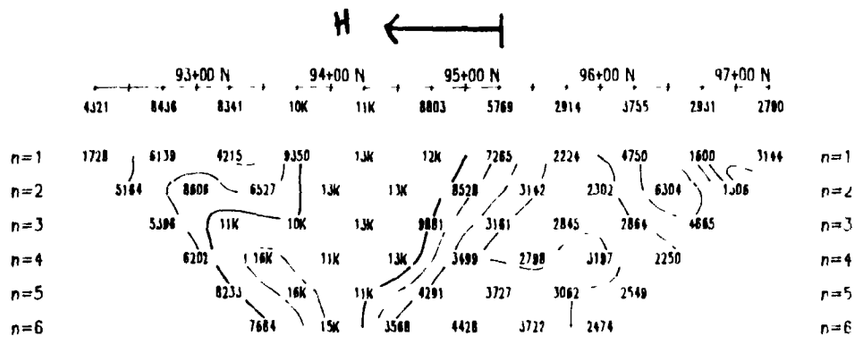


CHARGEABILITY
mV/V



CHARGEABILITY
mV/V

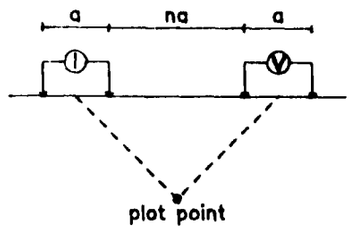
APPARENT
RESISISTIVITY
ohm-m



APPARENT
RESISISTIVITY
ohm-m

Filter

Dipole-Dipole Array



DIPOLE LENGTH : a=50
DIPOLE SPACINGS : n = 6
WINDOW :

CHARGEABILITY
Interval 2%, 10%
RESISTIVITY
Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10,..

INSTRUMENTS
RECEIVER : BRGM IP-6
TRANSMITTER : PHOENIX IPT1-B

Scale 1:5000

50 0 50 100 150
(meters)

2.16219

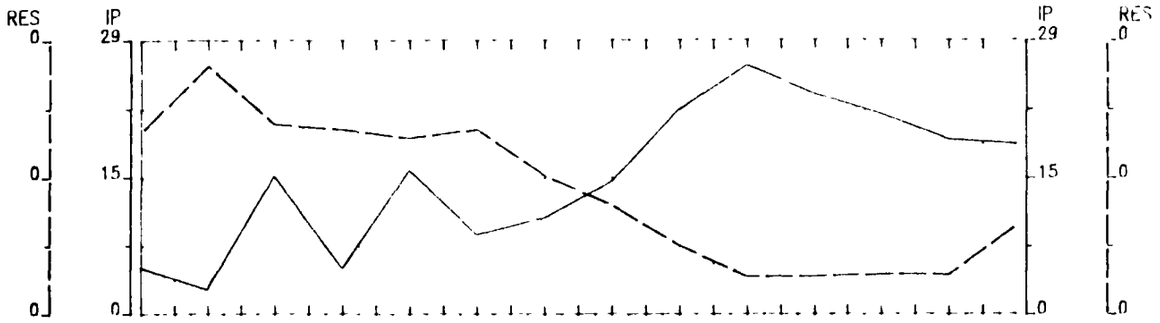
FOWLER 1

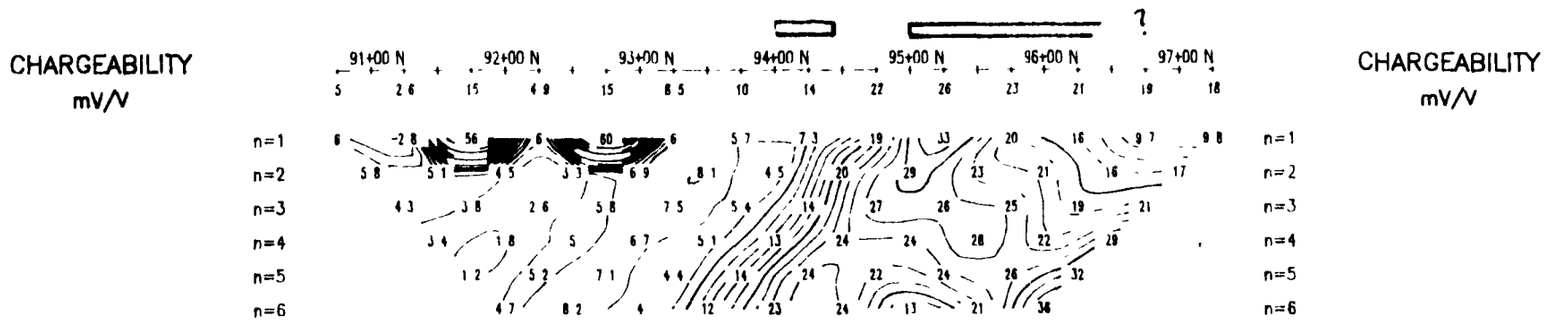
INDUCED POLARISATION

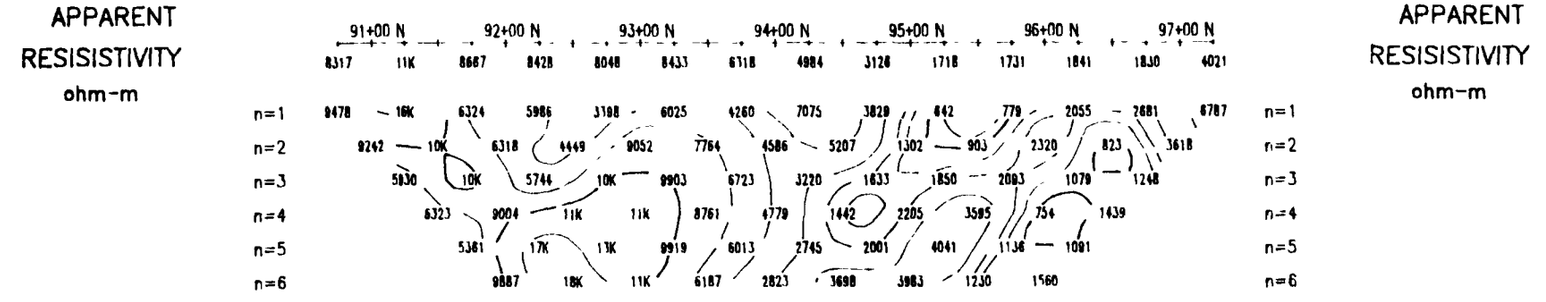
LINE 15500E

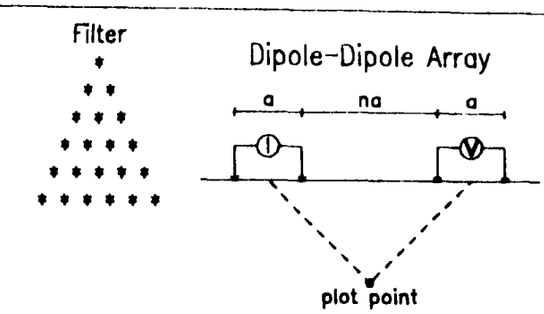
Date : NOVEMBER 1994
Property : 529
NTS : 42 D/9
Survey by : NOREX

hemlo gold
Mines Inc.









DIPOLE LENGTH : a=50
DIPOLE SPACINGS : n = 6
WINDOW :
CHARGEABILITY
Interval 2%, 10%
RESISTIVITY
Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10,..

INSTRUMENTS
RECEIVER : BRGM IP-6
TRANSMITTER : PHOENIX IPT1-B

Scale 1:5000

50 0 50 100 150
(meters)

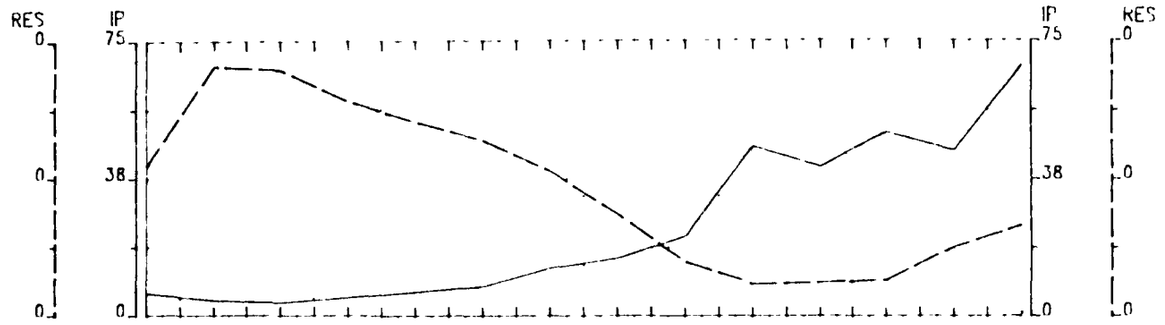
FOWLER 1

INDUCED POLARISATION

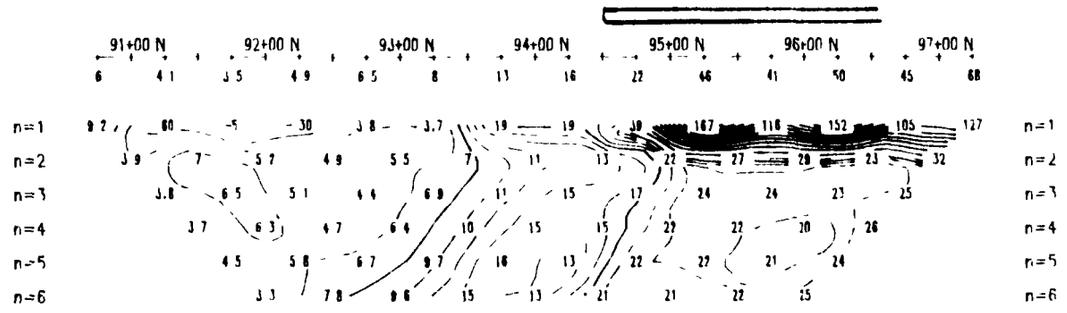
LINE 15600E

Date : NOVEMBER 1994
Property : 529
NTS : 42 D/9
Survey by : NOREX

hemlo gold
Mines Inc.



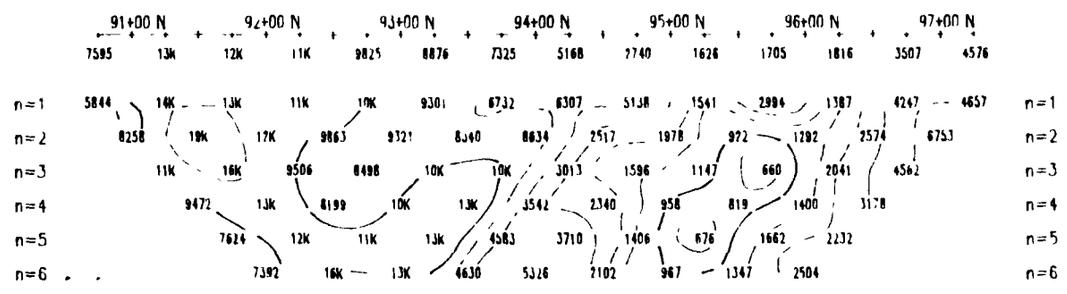
CHARGEABILITY
mV/V



CHARGEABILITY
mV/V

H ⟵

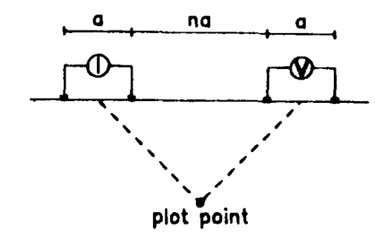
APPARENT
RESISISTIVITY
ohm-m



APPARENT
RESISISTIVITY
ohm-m

Filter

Dipole-Dipole Array



DIPOLE LENGTH : a=50
DIPOLE SPACINGS : n = 6
WINDOW :

CHARGEABILITY 2.16219
Interval 2%, 10%
RESISTIVITY
Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10,..

INSTRUMENTS
RECEIVER : BRGM IP-6
TRANSMITTER : PHOENIX IPT1-B

Scale 1:5000

50 0 50 100 150
(meters)

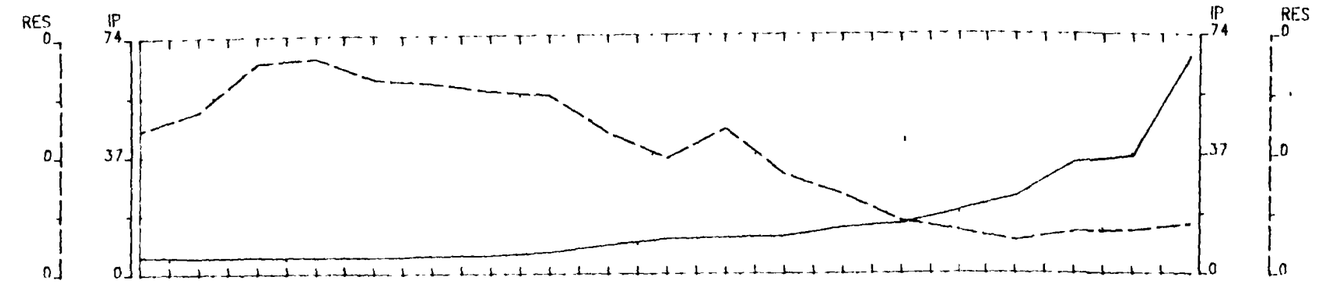
FOWLER 1

INDUCED POLARISATION

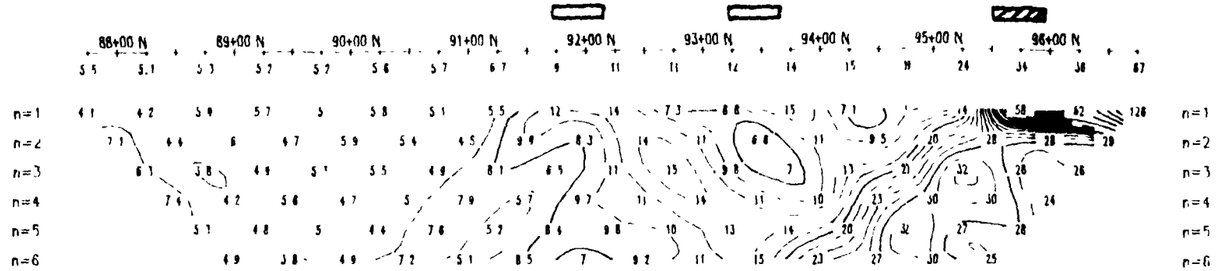
LINE 15800E

Date : NOVEMBER 1994
Property : 529
NTS : 42 D/9
Survey by : NOREX

hemlo gold
Mines Inc.

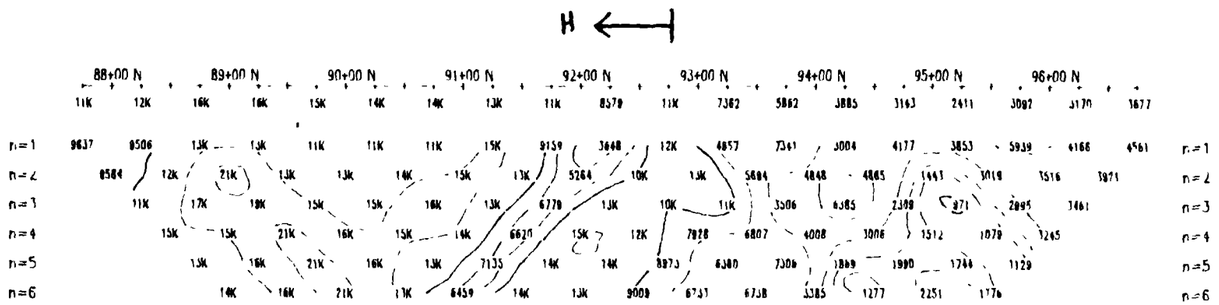


CHARGEABILITY
mV/V



CHARGEABILITY
mV/V

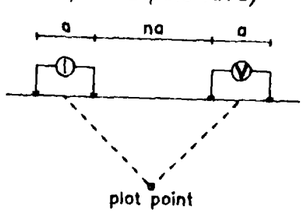
APPARENT
RESISISTIVITY
ohm-m



APPARENT
RESISISTIVITY
ohm-m

Filter

Dipole-Dipole Array



DIPOLE LENGTH : a=50
DIPOLE SPACINGS : n = 6
WINDOW :

CHARGEABILITY
Interval 2%, 10%
RESISTIVITY
Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10,..

INSTRUMENTS
RECEIVER : BRGM IP-6
TRANSMITTER : PHOENIX IPT1-B

Scale 1:5000

50 0 50 100 150
(meters)

2.16219

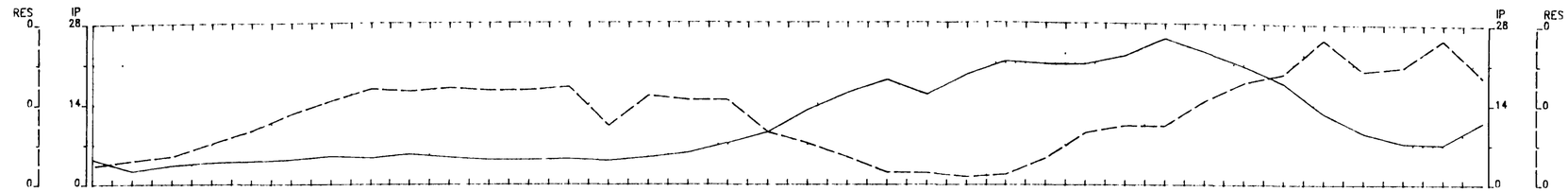
FOWLER 1

INDUCED POLARISATION

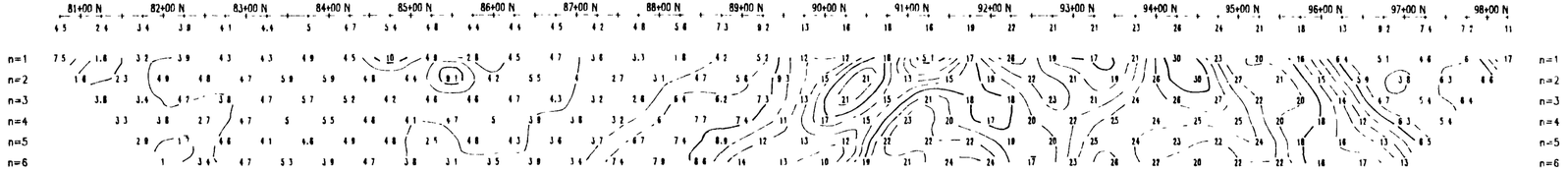
LINE 16000E

Date : NOVEMBER 1994
Property : 529
NTS : 42 D/9
Survey by : NOREX

hemlo gold
Mines Inc.

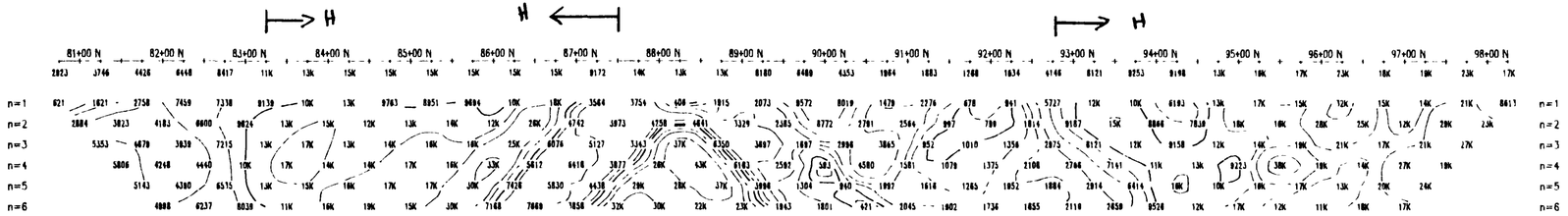


CHARGEABILITY
mV/V



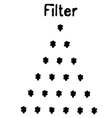
CHARGEABILITY
mV/V

APPARENT
RESISISTIVITY
ohm-m

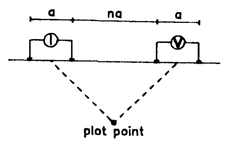


APPARENT
RESISISTIVITY
ohm-m

Filter



Dipole-Dipole Array



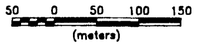
DIPOLE LENGTH : a=50
DIPOLE SPACINGS : n = 6
WINDOW :

CHARGEABILITY
Interval 2%, 10%
RESISTIVITY
Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10,..

2.16219

INSTRUMENTS
RECEIVER : BRGM IP-6
TRANSMITTER : PHOENIX IPT1-B

Scale 1:5000



FOWLER 2

INDUCED POLARISATION

LINE 16600E

Date : DEC. 1994
Property : 530
NTS : 42-D/9
Survey by : NOREX

hemlo gold
Mines Inc.

2.16219

NORTH LIMB/ FOWLER 1&2

INDUCED POLARIZATION SURVEY
Interpretation

Project #: 505, 529, 530; NTS: 42-D/9
Instrument: BRGM IP-6 Rx, Phoenix IPT1 2.5 kW Tx
Operators: Noranda Exploration
Date: 7 February, 1995

HEMLO GOLD MINES, INC.

2.16219

Instrument : SCINTREX MP-3
Profile Scale 20067 nT/m
Reduced Profile Scale 5000nT/m
Profile Base Value 400
Datum : 55000

Scale 1:5000
50 0 50 100 150 200
(meters)

NORTH LIMB/FOWLER 1&2

MAGNETIC SURVEY
TOTAL

PROJECT : N LIMB,FOW1&2 NUMBER : 505,529,530
BASELINE AZIMUTH : 90 deg

DATE : NOVEMBER/1994 NTS : 42-D-9
SURVEY BY : NORTEX
FILE : M529FOWM

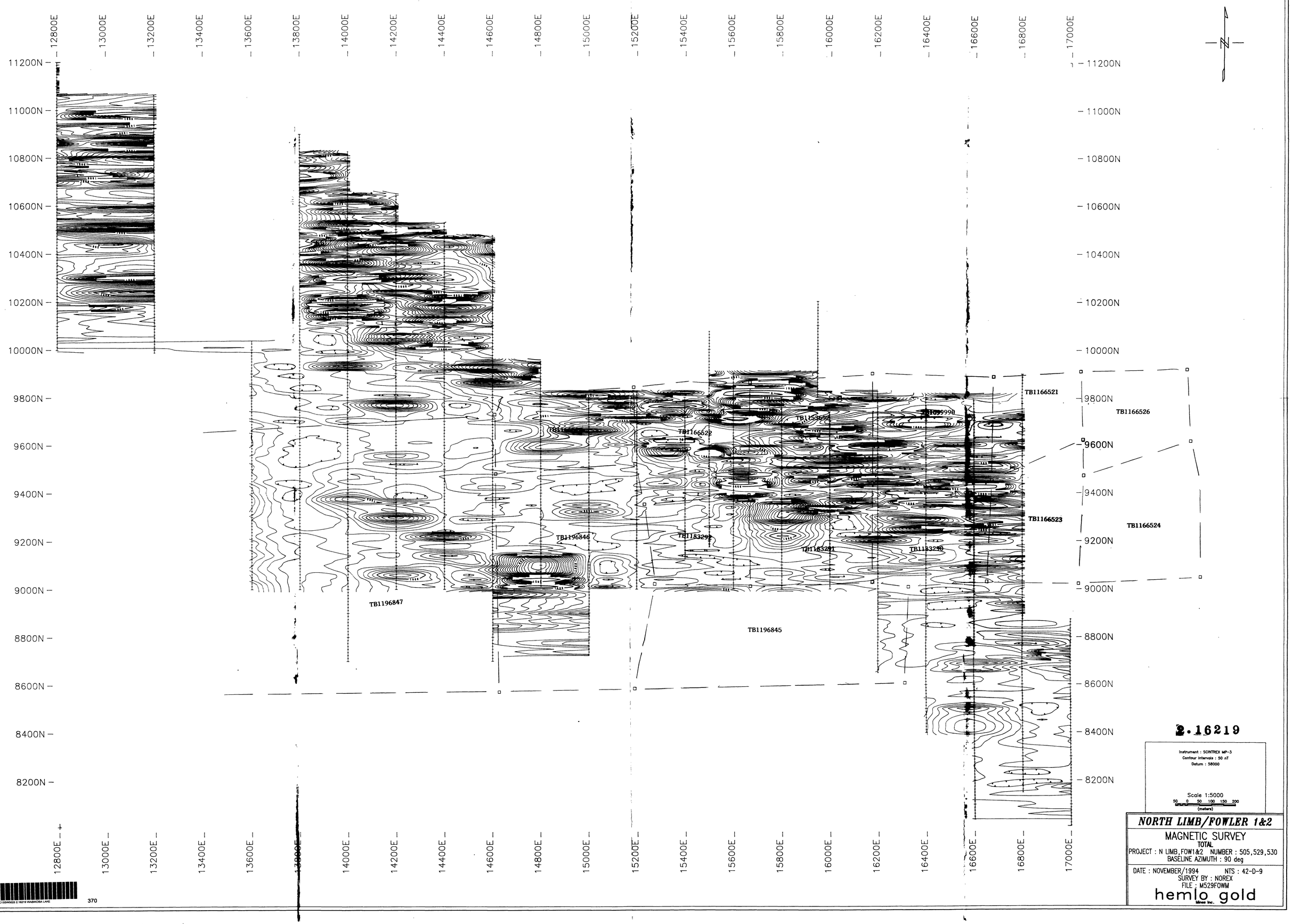
hemlo gold
Minen Inc.

TB1166526
TB1166524
TB1166521
TB1166523
TB1183294
TB1099990
TB1153692
TB1183291
TB1196845
TB1183292
TB1166522
TB1166525
TB1196846
TB1196847

11200N 11000N 10800N 10600N 10400N 10200N 10000N 9800N 9600N 9400N 9200N 9000N 8800N 8600N 8400N 8200N

17000E 16800E 16600E 16400E 16200E 16000E 15800E 15600E 15400E 15200E 15000E 14800E 14600E 14400E 14200E 14000E 13800E 13600E 13400E 13200E 13000E 12800E

360



2.16219

Instrument : SCINTREX MP-3
Contour intervals : 50 nT
Datum : 58000

Scale 1:5000
50 0 50 100 150 200
(meters)

NORTH LIMB/FOWLER 1&2

MAGNETIC SURVEY
TOTAL
PROJECT : N LIMB,FOW1&2 NUMBER : 505,529,530
BASELINE AZIMUTH : 90 deg

DATE : NOVEMBER/1994 NTS : 42-D-9
SURVEY BY : NOREX
FILE : M529FOWM

hemlo gold
Minex Inc.

42C13SW0025 2.16219 WABIKOBA LAKE

TRENCH 156E

2.16219

N

589350 E

589400 E

156 E

5408650 N

5408650 N

TK-1

FT-5-1
FT-5-2
FT-5-3

FT-5-4
FT-5-5
FT-5-6
FT-5-7

5408600 N

Claim Post 3
114 m at 100 degrees

clm 1166522

9400 N

clm 1183292

5408550 N

5408550 N

589350 E

589400 E

0 5 10 15 20 25

metres

LEGEND

[SAMPLE LOCATION

FT-4-14 SAMPLE NUMBER

OUTCROP

CUT GRID LINE

Trench 156 E

Plot by: R. Kuzina		Date Mar 93/95	Dwg. No.
Checked		Date	
		Scale 1:250	

clm 1164420

588800 E

clm 1164241

588850 E

N

Claim Post 2
170 m at 87 degrees

clm 1166525

2.16219

5409000 N

5409000 N

TRENCH 150E

FT-3-1
FT-3-2
FT-3-3
FT-3-4
FT-3-5
FT-3-6
FT-3-7
FT-3-8
FT-3-9
FT-3-10
FT-3-11
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FT-3-53
FT-3-54
FT-3-55
FT-3-56
FT-3-57

TRAIL

BL9800

5408950 N

Line 150 E

5408900 N

5408900 N

588800 E

588850 E

LEGEND

- SAMPLE LOCATION
- FT-4-14 SAMPLE NUMBER
- OUTCROP
- CUT GRID LINES
- CLAIM POST

0 5 10 15 20 25

metres

Trench 150 E

Plot by R. Kuzmo | Date : Nov 02/98 | Dwg. No.
Checked : | Date :
Scale : 1:250

LEGEND

E — SAMPLE LOCATION

FT-4-14 — SAMPLE NUMBER

OUTCROP

— — — CUT GRID LINES

0 5 10 15 20 25

metres

589050 E

589100 E

clm 1166522
Claim Post 1
194m at 337 degrees

N

153 E

FT-4-1
FT-4-2
FT-4-3
FT-4-4
FT-4-5
FT-4-6
FT-4-7
FT-4-8
FT-4-9
FT-4-10
FT-4-11
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FT-4-14
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FT-4-36
FT-4-37
FT-4-38
FT-4-39

TRAIL

5408800 N

5408800 N

TRENCH 153E

2.16219

9600 N

5408750 N

5408750 N

589050 E

589100 E

HEMLO GOLD

Trench 153 E

Plot by R. Kuehne	Date Mar 03/95	Dwg. No.	
Checked	Date :		
	Scale 1:250		