HEMLO GOLD MINES INC.

REPORT OF WORK

FOWLER #2 PROPERTY

N.T.S. 42C13

SUPERIOR DISTRICT

Project No 430
Hemlo, Ontario
March 8, 1995

Paul Johnston
Geologist
Hemlo Gold Mines Inc.
Superior District

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List of Figures and Maps

SUMMARY

During the period of June14 through to December 3, 1994, a work program consisting of geological mapping and sampling, a magnetometer survey and Induced Polarization/Resistivity survey was conducted on the Fowler #2 claim group. This claim group is located approximately 8 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 December 3, 1994, an exploration program consisting of geological mapping, magnetometer and I. P. surveys was conducted on The Fowler #2 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 #2 property is bounded on the east and west by the Fowler #1 property and extends southward to the north shore of Solong Lake. 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 1183039	12
TB 1183040	1
2 claims	13

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

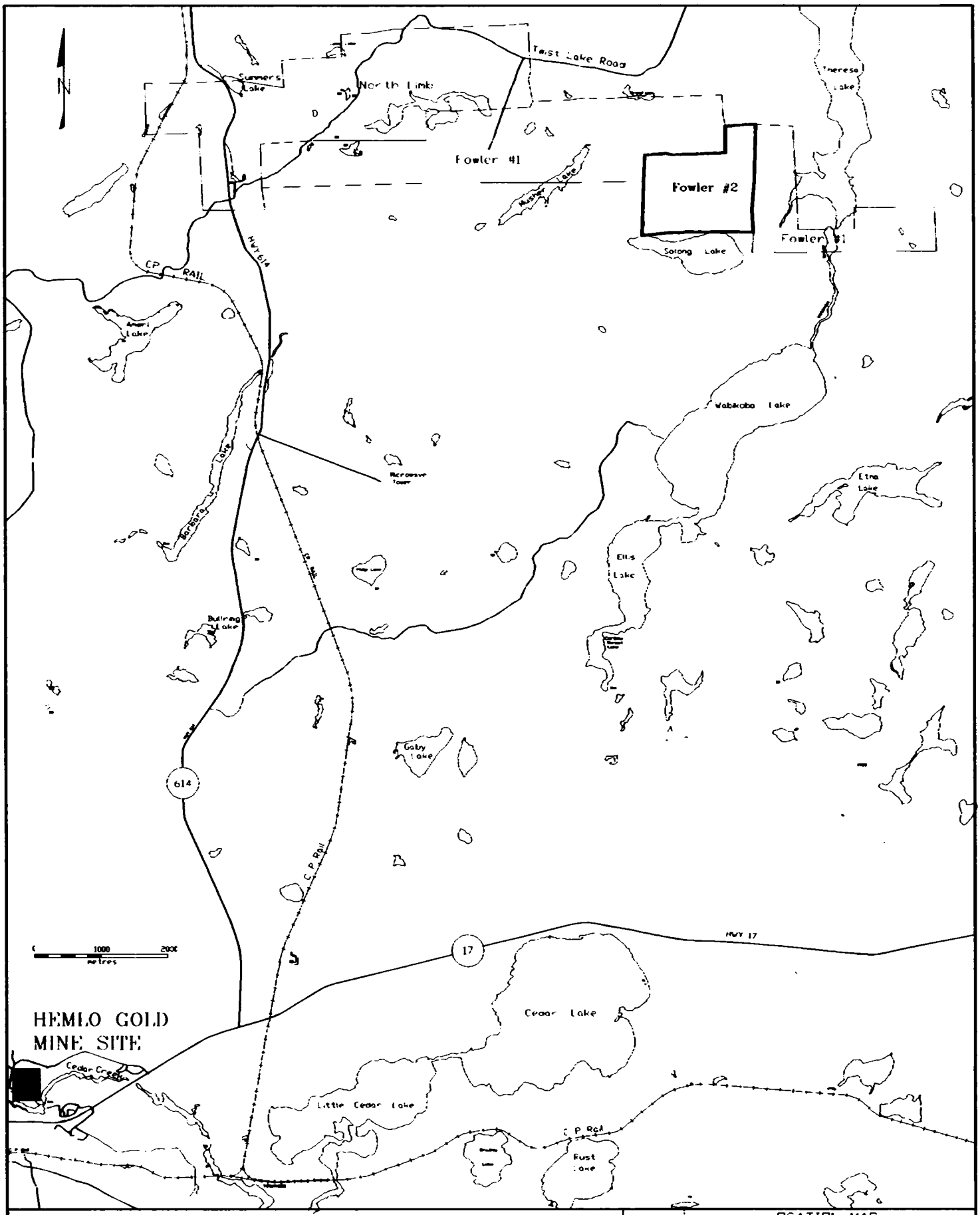


FIGURE 1: LOCATION MAP

HEMLO GOLD

LOCATION MAP

4.0 PREVIOUS WORK

The following is a summary of previous work conducted in the vicinity of the Fowler #2 property:

McIntyre-Porcupine Mines, Von Klien option, 1962

Discovery of a number of copper-nickel and copper-lead-zinc occurrences (4.5 kilometres) to the northwest of the Fowler #2 property. Electromagnetic conductors and magnetic anomalies were tested with 28 diamond drill holes, but mineralization was weak and discontinuous with depth.

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 #2 claim group.

Qued Resources, 1983

Geological mapping , trenching and drilling was completed on a claim group 2.0 kilometres to the north of the Fowler #2 property. Emphasis was on stratabound gold mineralization within iron rich interflow sedimentary sequences. Four zones were outlined but all occur north of the Fowler #2 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 northwest 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 #2.

Kelly-Kerr Energy Corp., 1986-1988

Geological mapping, stripping, soil geochemistry covered an area 3.5 kilometres to the northwest of the present claim group.

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

Humus geochemistry and geology covering an area 5.0 kilometres to the northwest of the present claim group. No anomalous Au values were found in the 23 rock samples analysed. 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 covering the current Fowler #2 property.

Hemlo Gold Mines Inc., 1994

Trenching and geological mapping of trenches on the Fowler #1 property to the west of the current property.

5.0 REGIONAL GEOLOGY

The Fowler #2 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

8.4 kilometres of grid was cut on the Fowler #2 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 SAMPLING (Appendix I)

Five grab samples were collected during prospecting of the property and were submitted to Accurassay Laboratories of Thunder Bay for gold assays.

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

8.0 PROPERTY GEOLOGY (Map 1)

8.1 Introduction

During the period from June 14 through October 25, 1994, geological mapping was conducted on the Fowler #2 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

Two 50-100 metre wide bands of clastic metasediments consisting of siltstone, fine sandstone, and minor interbeds of heterolithic pebble to cobble conglomerate extends across the northern and central 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 and is bounded by clastic metasediments to the south and mafic metavolcanics to the north. 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 3.4 kilometres of induced polarization (IP) and 4.0 km of magnetic survey were performed on the Fowler #2 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 and December 2-3, 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.

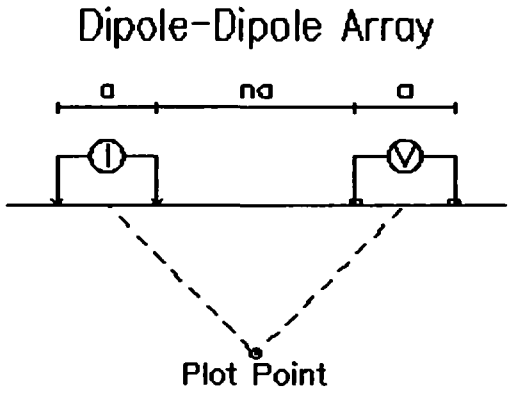
IP chargeability represents the voltage retention capacity, or capacitance of the ground. It varies with metal, clay or graphite content of the ground, grain size, and the degree to which grains are inter-connected. It is measured as an average of ten 'windows' or time slices under the voltage decay 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 16600E: The anomaly at 9150N is well defined, shallow and narrow. It occurs within a moderate resistivity background but is not associated with a coincident resistivity response.

The anomaly at 9225N is poorly defined and may be deep (>75 m). It occurs in the same resistivity package as the anomaly at 9150N.

The anomaly at 9375N is narrow, shallow and moderately defined. It occurs just north of a resistivity low-high (south-north) contact but is not associated with a coincident resistivity signature.

The anomaly at 9475 N is moderately well defined. It may be >75 m deep. It occurs within an elevated resistivity background.

There are two distinct background shifts present on this line. One occurs in the chargeability and one occurs in the resistivity. In the chargeability, background is low on the south portion of the line until 9000N. Background is then high through 9550N where it drops back down. In the resistivity, background is high on the south portion of the line through to 8750N where it drops down to 2500-5000 ohm-m. At 9300N the resistivity background jumps backup. Either or both of these background shifts could represent lithologic changes.

Line 17400E: The very weak anomaly at 8350N is narrow and shallow. It may be related to a similarly shaped resistivity drop that occurs 50 m south of the chargeability response.

The anomaly at 8600N is poorly defined and narrow. It may occur at >75 m depth and it may be related to the sharp resistivity high-low (south-north) contrast that occurs at 8650N.

The anomaly at 8800N is strong and well defined. It probably occurs at >50 m depth. It occurs within a resistivity low package that has narrowed considerably from line 16600E.

The anomalies at 8925N, 9025N and 9125N are all narrow but well defined. At 8925N and 9025N the anomalies probably occur at >50 m depth, the anomaly at 9125N is shallow. These

anomalies are directly related to narrow resistivity highs that occur within a resistivity high background.

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 sercitic 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 leaving the southern contact largely unexplored.

Results form sampling of the surface exposures of the ACQFP 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 where it is in contact with the clastic metasediments.

Mafic volcanic host rocks are an important departure from the Hemlo analogy in that, so far, they have shown 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 requires thorough investigation of the ACQFP unit to evaluate the nature and distribution of alteration phases. Two drill holes are recommended to provide additional geological information and a sample medium for further geochemical analysis.

10.2 Geopysics

The resistivity drop that occurs in the centre of each line is probably lithologically related. The strong chargeability anomaly that occurs near the north edge of this zone on both lines (9150N on line 16600E and 8800N on line 17400E) are the best chargeability targets on the two lines.

North of the resistivity drops, high background chargeabilities extend for at least 200 m. Two - three narrow chargeability responses can be picked on each line within this high background

area. These are typically related to resistivity increases that may suggest quartz veins or silicification, but the targets are narrow.

Respectfully submitted,

Hemlo Gold Mines, Inc

Paul Johnston
Geologist
Superior District

Hemlo, Ontario
March 8, 1995

APPENDIX I

Assays and Sample Descriptions

Plotted ✓

NORANDA EXPLORATION COMPANY, LIMITED № 1693

White - Office
Yellow - Field

LAB ______ PROJECT NO. ______ PROPERTY North [illegible] N.T.S. ______

CERT. NO. M. Stavs GRID REFERENCE Fowler DATE [illegible]

SAMPLE REPORT

SAMPLE #	DESCRIPTION	TYPE	WIDTH	ASSAYS			CO-ORDINATES		SAMPLE
					Au	F#2			
A	Porphyry sericite, 7% py Rusty	GRAB	40cm	Au	<5	"	16620E	8900N	M. ST.
B	Contact Between Porphyry [illegible]	GRAB	40cm	Au	<5	"	16640E	8900N	
C	Porphyry (QTZ? Stringers) VTR py	GRAB		Au	<5	"	16515E	8915N	
D	Altered, [illegible] in Column 7% 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

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: Bob Beer

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.

Persons and Survey Company Who Performed the Work

Name	Address
Vytyl Expl. Services	1529 Rakin Street, Thunder Bay, Ontario
Stares Contracting	1124 West Arthur Street, Thunder Bay, Ontario P7E 6L2

Ministry of Northern Development and Mines
Ontario

Report of Work Conducted After Recording Claim

Mining Act

Transaction Number: W9540-151

Amended 07/11/95 GJK

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.

2.16

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

42C13SE0068 2.16130 WABIKOBA LAKE 900

Recorded Holder(s)	Client No.
Hemlo Gold Mines Inc.	143550
Address	**Telephone No.**
60 Shirley St. So. Box 1205, Timmins, Ontario P4N 7J5	(705) 268-9600
Mining Division / **Township/Area**	**M or G Plan No.**
Thunder Bay / Wabikoba Lake	G-620
Dates Work Performed From: ~~Dec. 1, 1993~~ July 28, 1994 GJK To: Dec. 3, 1994	

Work Performed (Check One Work Group Only)

	Work Group	
	Geotechnical Survey	W10 GEOL IP MAG Type Geological mapping, ~~prospecting~~ GJK, induced polarization, mag, line-cutting
	Physical Work, Including Drilling	
	Rehabilitation	
	Other Authorized Work	
	Assays	~~Assaying rocks~~ GJK
	Assignment from Reserve	GJK

RECEIVED
AUG 0 8 1995
MINING LANDS BRANCH

Total Assessment Work Claimed on the Attached Statement of Costs $ ~~3,857.00~~ 3683.00

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
John Londry (Author)	c/o Box 1205, Timmins, Ontario P4N 7J5
Bruce MacLachlan	c/o Box 1205, Timmins, Ontario P4N 7J5
Paul Johnston, Mich Stares Steve Stares, Lyle Cross,	c/o Bag Service #8, Marathon, Ontario P0T 2E0
Calvin Sedleski, Johnathon Doug Hancock, Hendrik Palomaki	MacIsaac

(attach a schedule if necessary) See Attached List

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

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.	Date: June 6, 1995	Recorded Holder or Agent (Signature)

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 Box 1205, Timmins, Ontario P4N 7J5

Telephone No.	Date	Certified By (Signature)
(705)268-9600	May 31, 1995	Wayne Reid

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	Received Stamp
3683		M. G. Wardrop	RECEIVED AUG 0 8 1995 A.M. 7 8 9 10 11 12 1 2 3 4 5 P.M.
	Deemed Approval Date: Sept 6/95	Date Approved	
	Date Notice for Amendments Sent		

0241 (95/01)

Details for Work Report # 3UPONT95.019 **Amended 07/11/95**

Work Report# for Applying Reserve	Claim Number (see note 2)	# of Claim Units	Value of Assessment 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 1.183.039	12	3.683.00	3.283.00	400.00	
	TB 1.183.040	1	0.00	400.00		

Total Number of Claims	Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve
2	3.683.00	3.683.00	400.00	0.00

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

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: W9540-151

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) 670-7284.

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 question sur la collecte 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) 670-7284.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre	2593	
	Field Supervision Supervision sur le terrain	290	2883
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type ~~Sid Thompson~~ GJK		
	~~Prospecting~~	~~123~~	
	Jytyl Expl. Linecutting	300	
	Stares Contracting Linecutting	135	435 ~~558~~ GJK
Supplies Used Fournitures utilisées	Type GJK		
	~~Assaying~~	~~40~~	
	Flagging, sample bags, boxes GJK	11	
			~~51~~ GJK
Equipment Rental Location de matériel	Type		
	Total Direct Costs Total des coûts directs		~~2492~~ 3318 GJK

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	259	
	gas	22	
			281
Food and Lodging Nourriture et hébergement	groceries	84	84
Mobilization and Demobilization Mobilisation et démobilisation			
	Sub Total of Indirect Costs Total partiel des coûts indirects		365
	Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)		365
	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)		~~3857~~ 3683 GJK

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
x 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
x 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
	June 6, 1995

0212 (94/01)

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

Ontario

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des Mines

Geoscience Approvals Section
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

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

August 10, 1995

Our File: 2.16130
Transaction #: W9540.00151

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

Dear Mr. Weirmeir:

Subject: APPROVAL OF ASSESSMENT WORK CREDITS ON MINING CLAIM 1183039 IN WABIKOBA LAKE AREA

Assessment credits have been approved as outlined on the report of work form. The credits have been approved under Section 12 (Geology) and Section 14 (Geophysical) of the Mining Act Regulations.

The approval date is August 10, 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 Library
Sudbury, Ontario

[redacted]

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

(R1) Lands subject to easement for tailings disposal (Bomby 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 O-TB 1/96 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

ROUS LAKE G-611

WHITE LAKE (N. PT.) G-622

WHITE LAKE (S. PT.) G-623

BOMBY TWP. G-3173

BROTHERS TWP. G-3172

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	⊕
CANCELLED	⊖
SAND & GRAVEL	⊗

LAND USE PERMITS FOR COMMERCIAL TOURISM, OUTPOST CAMPS

NOTE MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6 1913 VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT R.S.O. 1970 CHAP 380 SEC 63 SUBSEC 1

SCALE 1 INCH = 40 CHAINS

FEET 0 1000 2000 4000 6000 8000

METRES 0 500 1000 (1 KM) 2000 (2 KM)

SOLONG LAKE SUBJECT TO FLOODING TO ELEVATION GSC 325.75 METRES

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

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

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

2.16130 (GEOL, MAG.)

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


N
589000 E
590000 E
591000 E
592000 E
5409000 N
5408000 N
5407000 N
Armand Lake
Musher Lake
Solong Lake
L162E
L164E
L166E
L168E
L174E
1183040
1183039
Fowler #2
1693D
1693C
1693 A
1693 B
1693E
BD
1a
10a
6a
5f
5a
9a
13a
4M
42C13SE0068 2.16130 WABIKOBA LAKE
210
PRECAMBRIAN
PROTEROZOIC
13 MAFIC INTRUSIVE DIKES
13a diabase dike
ARCHEAN
12 LATE FELSIC INTRUSIVES
12a aplite
12b pegmatite
11 GNEISSIC COMPLEX INTRUSIONS
11a unsubdivided
11b granite gneiss
11c paragneiss
11d mafic gneiss
10 FELSIC PLUTONIC ROCKS
10a granodiorite (ie Cedar Lake Pluton)
10b monzonite (ie Gowan Lake Pluton)
9 MAFIC PLUTONIC ROCKS
9a gabbro
8 MAFIC DIKES
8a diorite dike
8l lamprophyre
8z xenolith-bearing lamprophyre
7 FELSIC DIKES
7a quartz-feldspar porphyry dike
7b feldspar porphyry dike
7c Irregular feldspar porphyry dike (popcorn porphyry)
7d equigranular dike
6 FELSIC INTRUSIVE STOCKS
6a quartz-feldspar porphyry stock
6b fine grained quartz-feldspar porphyry stock
6d hydrothermal breccia related to QFP stock
5 CLASTIC SEDIMENTARY ROCKS
5a cobble conglomerate
5b pebble conglomerate
5c pebble-bearing sandstone and pebble conglomerate
5d pebble-bearing sandstone
5e pebble-bearing sandstone and siltstone
5f sandstone
5g fine sandstone and siltstone
5h fine sandstone and ironstone
5n siltstone and grey siltstone
5p pelitic siltstone and pelitic sandstone
4 CHEMICAL SEDIMENTARY ROCKS
4a chert
4b cherty siltstone
4c chert-magnetite iron formation
4d chert sulphide iron formation
4e barite-rich sediment
3 INTERMEDIATE VOLCANIC ROCKS
3a massive
3b pyroclastic ash
3c pyroclastic lapilli
3d pyroclastic bombs
2 FELSIC VOLCANIC ROCKS
2a massive
2b pyroclastic ash
2c pyroclastic lapilli
2c pyroclastic bombs
1 MAFIC META-VOLCANIC ROCKS
1a massive flow
1c amygdaloidal flow
1f tuff
1p pillowed flow
1s ultramafic flow
1t tuff breccia
MODIFIERS
( ) modifiers in parentheses are minor
CAPS capitalized modifiers are coarse grained or intense
PRIMARY FEATURES
METAMORPHIC MINERALS
ALTERATION MINERALS
outcrop
swamp
claim post
SULPHIDES, ETC
an anhydrite
au gold
ba barite
cp chalcopyrite
ga galena
gf graphite
ma malachite
mo molybdenite
po pyrrhotite
py pyrite
sp sphalerite
te telluride
metres
Fowler #2
Hemlo North East
Date: Feb. 6, 1995
Geologist: P.Johnston
2.16130
HEMLO GOLD
Golden Giant Mine

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 : W529FOWM

hemlo gold

Instrument : SCINTREX MP-3
Profile Scale 500nT/cm
Reduced Profile Scale 5000nT/cm
Profile Base Value 400
Datum : 58000

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

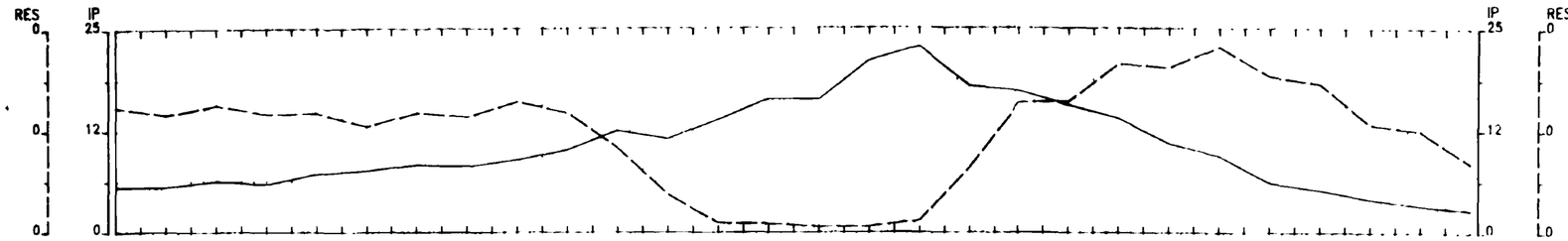
TB1183040

TB1183039

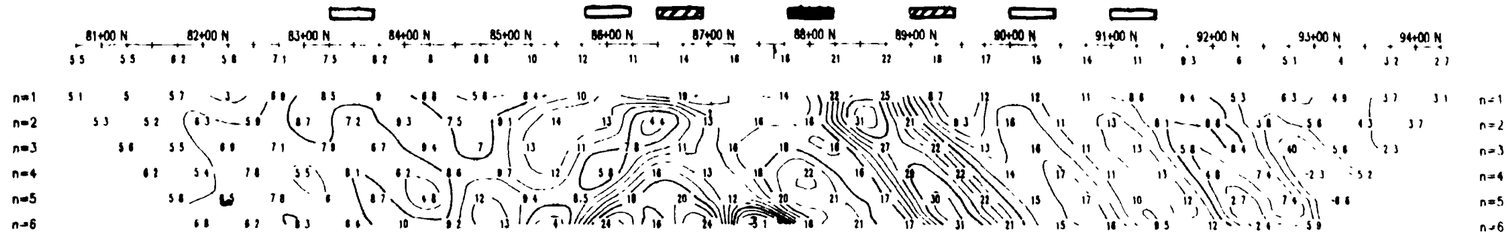
11200N 11000N 10800N 10600N 10400N 10200N 10000N 9800N 9600N 9400N 9200N 9000N 8800N 8600N 8400N 8200N

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

220

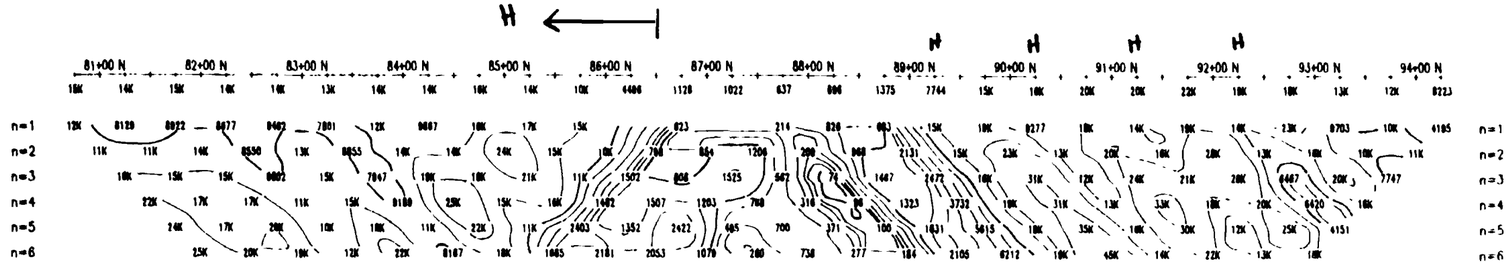


CHARGEABILITY
mV/V



CHARGEABILITY
mV/V

APPARENT
RESISISTIVITY
ohm-m



APPARENT
RESISISTIVITY
ohm-m

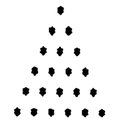
230

[redacted]

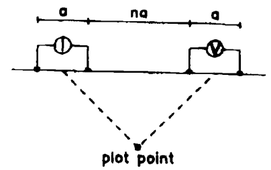
42C13SE0068 2.16130 WABIKOBA LAKE

2.16130

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)

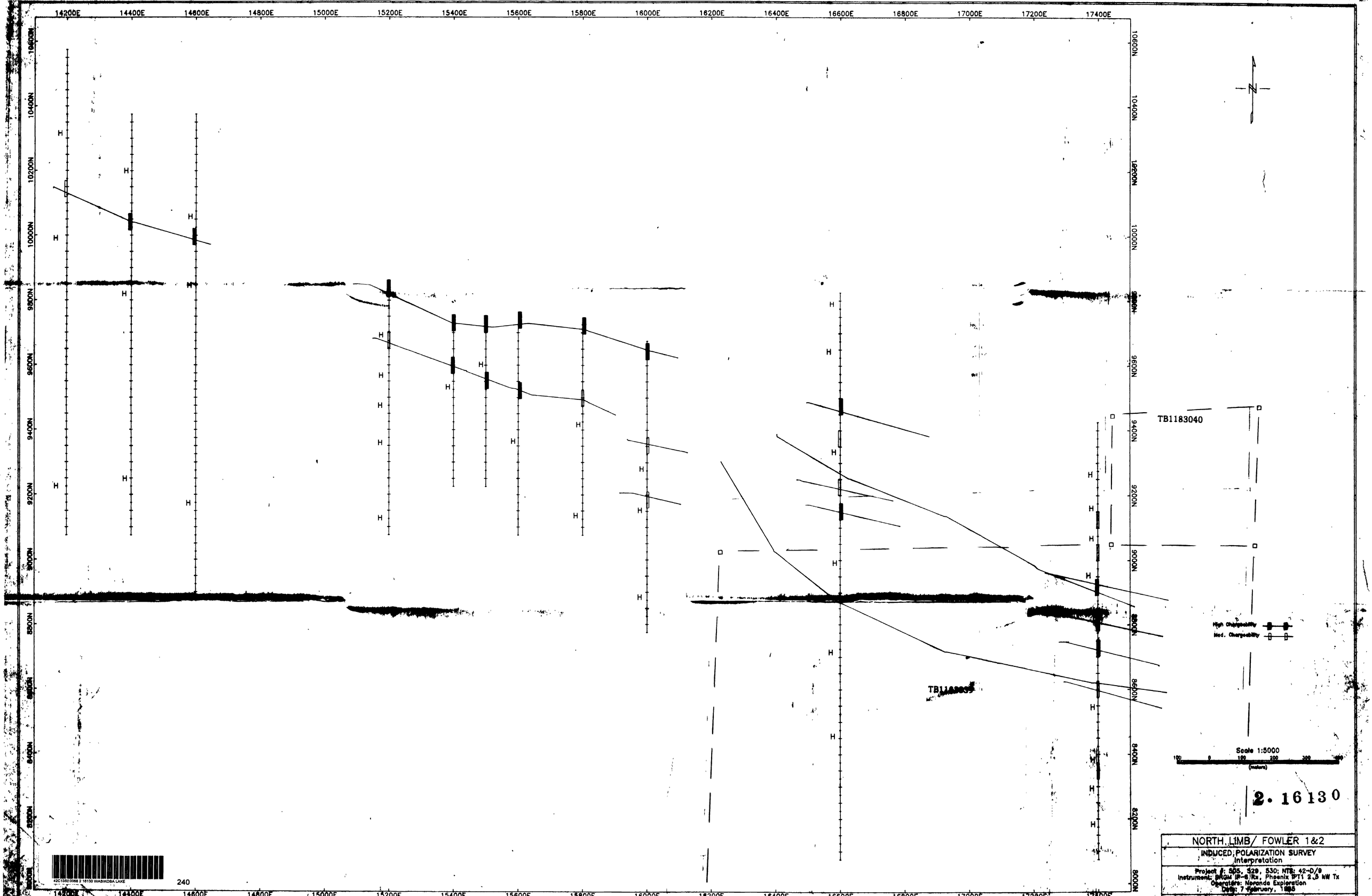
FOWLER 2

INDUCED POLARISATION

LINE 17400E

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

hemlo gold
Mines Inc.



2.16130

NORTH LIMB/ FOWLER 1&2

INDUCED POLARIZATION SURVEY
Interpretation

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

HEMLO GOLD MINES, INC.

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

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

TB1183040

TB1183039

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

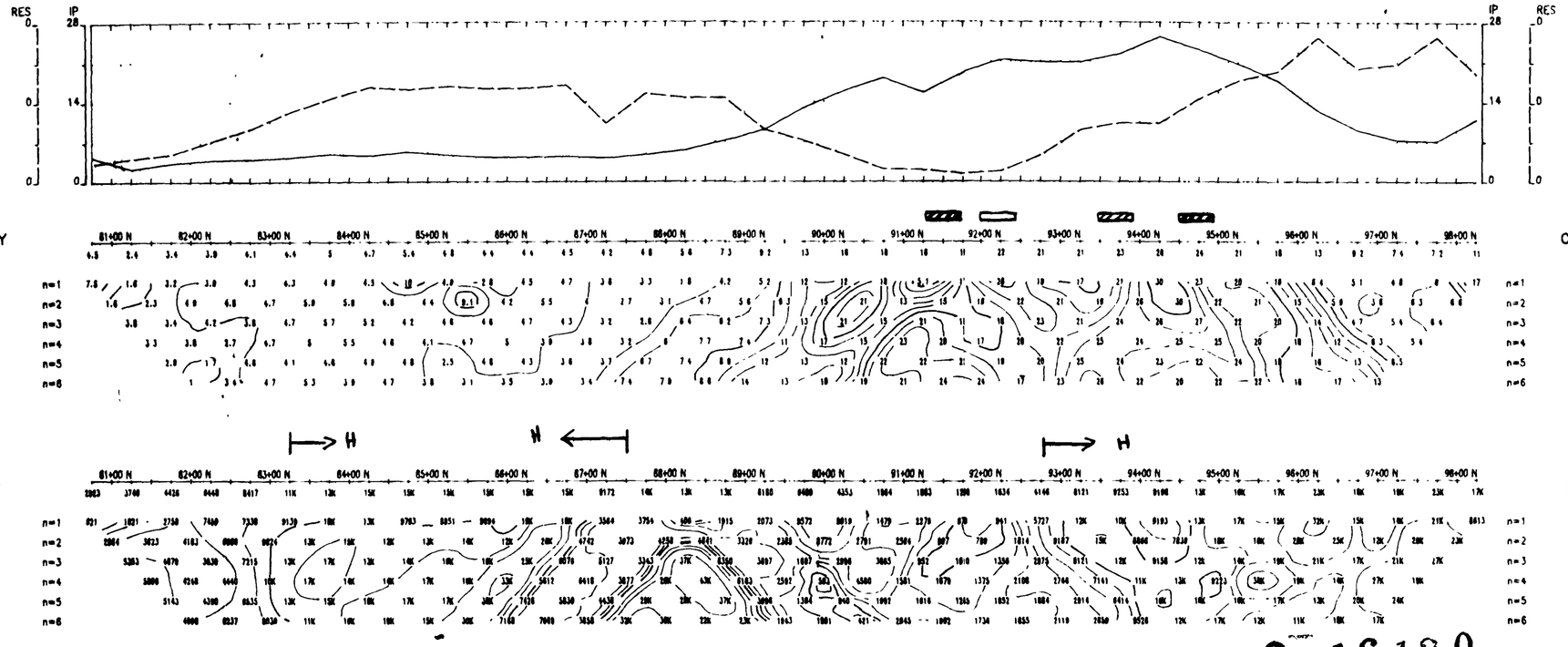
PROJECT : N LIMB, FOW1&2 NUMBER : 505,529,530
BASELINE AZIMUTH : 90 deg

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

hemlo gold
Mines Inc.

42C13SE0068 2.16130 WABIKOBA LAKE

250



Filter

Dipole-Dipole Array

a na a

plot point

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 IPT1-8

Scale 1:5000

50 0 50 100 150
(meters)

FOWLER 2

INDUCED POLARISATION

LINE 16600E

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

hemlo gold
Mines Inc.

2.16130