Table of C

Page

List of Figures and Maps

SUMMARY

During the period of June 14 through to December 2, 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 North Limb claim group. This claim group is located along Highway 614 to the south of Summers Lake, approximately 15 km north of Highway 17 and extends 5 kilometres to the east of the highway.

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). The eastern portion of this stock extends onto the North Limb property. Despite disappointing results of samples taken from surface exposures, the geological similarities between this property and Hemlo warrant further work.

1.0 INTRODUCTION

During the period of June 14 through to December 2, 1994, an exploration program consisting of geological mapping, magnetometer and I.P. surveys, and overburden trenching/stripping/channelling was conducted on the North Limb 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 North Limb property extends from the CP rail tracks on the west, across Highway 614 and an additional 5 km to the east. The property is situated to the south of Summers Lake a distance of 15 km north of Highway 17. The centre of the property is located 17 km northeast of the Hemlo Mines.

Access is by either Highway 614 or the Twist Lake timber road, which both pass through the property.

3.0 PROPERTY DESCRIPTION (Figure1)

The mining claims on which exploration work was performed are:

CLAIM NUMBERS	# of units
TB 1183307	6
TB 1196882	8
TB 1010503	1
TB 1010504	1
TB 1010507	1
TB 1010510	1
TB 650898	1
TB 650900	1
TB 651397	1
TB 651398	1
TB 651399	1
TB 651400	1
TB 653301	1
TB 653302	1
TB 653303	1
TB 653304	1
TB 653309	1
TB 653310	1
TB 653311	1
TB 653312	1
TB 653313	1
TB 653314	1
TB 653317	1
TB 653318	1
TB 653319	1
TB 653322	1
TB 1174289	4
TB 1174290	4
28 claims	46

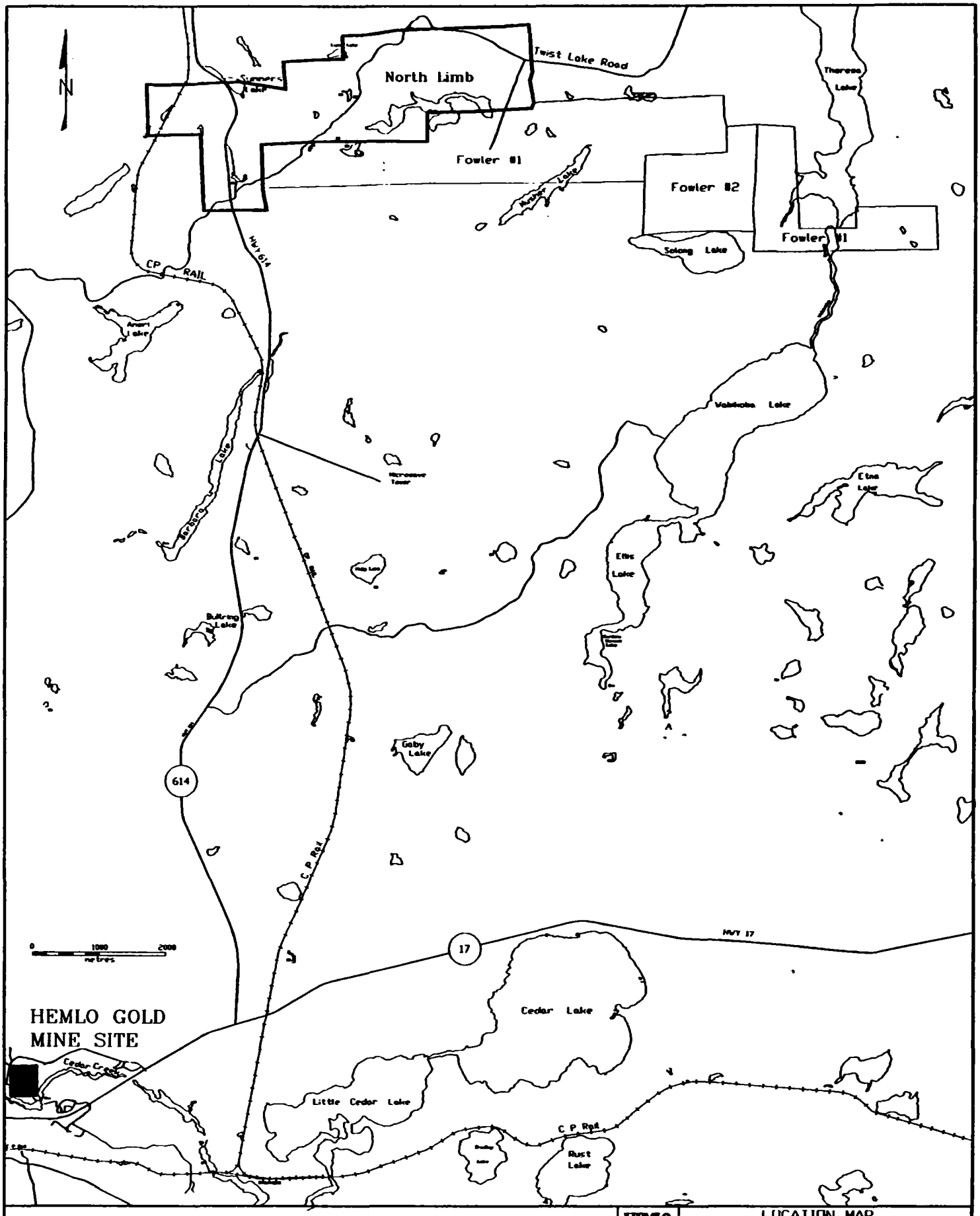


FIGURE 1: LOCATION MAP

HEMLO GOLD

LOCATION MAP

The listed claims are held by Hemlo Gold Mines Inc.

4.0 PREVIOUS WORK

The following is a summary of previous work conducted on various portions of the North Limb 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.

Noranda Exploration Co. Ltd, 1976

Dotted Lake airborne survey completed over the area.

Pryme Energy (North), 1982

Work concentrated on the McIntyre occurrence.

Qued Resources, 1983

Geological mapping , trenching and drilling was completed on a claim group to the east of the North Limb property. Emphasis was on stratabound gold mineralization within iron rich interflow sedimentary sequences. 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 southeast 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.

Kelly-Kerr Energy Corp., 1986-1988

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

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

Humus geochemistry and geology filed covering a portion of the current claim group. 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 southeast of the present property. 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 on the adjoining property to the east.

Newmont Exploration of Canada Ltd., 1992

Geological and lithogeochemical reports for a claim group located 2.5 kilometres to the southeast 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 North Limb 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

16.2 kilometres of grid was cut on the North Limb 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)

Two trenches completed in an earlier program one of which was sampled using a diamond saw to extract a channel sample across favourable rock types. A total of 11 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 13 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 (Map 1)

8.1 Introduction

During the period from June 14 through October 25, 1994, geological mapping was conducted on the North Limb 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 250 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, flanking the northern contact of the Musher Lake Pluton, occurs on the eastern portion of the claim group. 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 4.4 kilometres of induced polarization (IP) and 13.0 km of magnetic survey were performed on the North Limb 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 periods November 27 and November 29-December 2, 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 3 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).

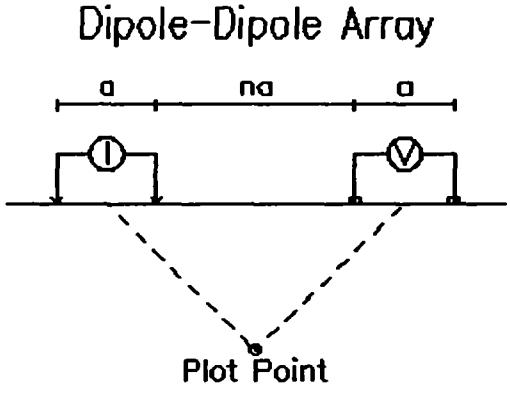
IP resistivity is a measure of the electrical resistance over a linear distance of the ground. This varies with metal, clay or graphite content, but is also sensitive to the bulk composition of overburden, bedrock and mineralization, and can be used as a lithological mapping tool. It is measured by combining 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 14200E: Much of the survey line is affected by a near surface clay layer, however resistivities below this layer are sufficiently high that it is expected that 100 m or more of depth penetration was achieved. Narrow resistivity high anomalies occur at each end of the clay layer.

At 10100N a moderate strength, well defined chargeability anomaly is present. The source is >50 m deep and good depth extent is indicated. There is no corresponding resistivity signature.

Line 14400E: A small portion of the survey line is affected by a near surface clay layer, however resistivities below this clay layer are high enough that it is anticipated that >100 m depth penetration was achieved.

A single chargeability anomaly was detected at 10050N. The anomaly is shallow and narrow and is not associated with a resistivity signature.

Line 14600E: A single chargeability anomaly was detected at 10000N. The anomaly is shallow and narrow, but good depth extent is indicated.

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.

Mapping and trenching concentrated on delineating the ACQFP on the eastern portion of the property. In this area the Musher Lake Pluton has intruded along the southern contact of the ACQFP, effectively removing the potential for mineralization along this contact. Trenching was successful in exposing complete sections through the ACQFP and the potential for mineralization in this area is small. Sampling results of the surface exposures of the ACQFP in this area has been disappointing. Additional mapping of the remaining property area would provide the information necessary to evaluate the potential for additional porphyry systems.

10.2 Geophysics

The anomalies detected at approximately 10000N on all three survey lines represent a well defined target. Amplitudes are higher on lines 14400E and 14600E, but this is probably because the anomaly is nearer surface. Where the anomaly is near surface its character is clearly narrow. The best place to test the target is on line 14600E.

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

1/2 plotted

NORANDA EXPLORATION COMPANY, LIMITED

№ 1697

White - Office
Yellow - Field

LAB ~~Eco-Tech~~ Accuassy PROJECT NO. 505 PROPERTY North Limb N.T.S.

CERT. NO. GRID REFERENCE North Limb (EAST SIDE OF Road) DATE July 13/9

SAMPLE REPORT

Fowler

SAMPLE #	DESCRIPTION	TYPE	WIDTH	ASSAYS			CO-ORDINATES		SAMPLER
				Au					
accu A	altered porphyry 370 pyl	GrAB	30cm	5/6			accuassay.		MS
accu B	altered Rhyolite. 270 pyl Blocky mat?		1m	<5			accuassay		M.S
accu C	altered Green matrix, Siliceous, 270 pyl	GrAB	1½m	<5	Multi Element		accuassay		M.S
accu D	" " " " "	"	1½m	<5	W.R		" "		M.S
Chemex E	altered Porphyry (Green matrix)	Grab	1m		WR		Chemex		M.S
accu F	Porphyry 1% py	Grab	1m	<5			accuassay		
accu G	altered Porphyry 570 pyl	Grab	1m	<5	Multi Element		accuassay		
H	altered porphyry 370 pyl	Grab	1m	10			588200	5409375	NL
I	" " " "	"	"	19			"	"	"
J	" "	"	"	21			"	"	"
K	" "	"	"	41			"	"	"
L	" "	"	"	59			"	"	"
M	I.F (570 py).			137	1 Km in From Hwy ON N. Limb Road.				
N									
O									
P									
Q									
R									
S									
T									
U									
V									
W									

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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.

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MARATHON, ONTARIO
P0T 2E0

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

CERTIFICATE OF ANALYSIS A9428541

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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

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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 %
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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
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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

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 Beier

NORANDA EXPLORATION COMPANY, LIMITED

№ 1823

White - Office
Yellow - Field

LAB [illegible]

CERT. NO.

PROJECT NO. 505

PROPERTY Valley ABC

GRID REFERENCE rest from Hemlo North.

N.T.S. 42 C 13

DATE 25 June 94

SAMPLE REPORT

SAMPLE #	DESCRIPTION	TYPE	WIDTH	ASSAYS	ppb Au		CO-ORDINATES		SAMPLER
A	[illegible] sediment (Poi)	Grab	—	Au			572350	5404625	RT
B	" " " (RoR)	Grab		Au			"	"	RT.
C	diabase with py 2% minor galena?	Grab	—	Au	<5		577570	5403890	RT.
with Mike D	felsite 5% pyrite	Grab	—	Au	56		589578	548578	BT
" E "	" " "	Grab	—	Au	16		589580	548580	ST
F	" " "	Grab	—	Au	<5	?	589420	540916 (540916(?))	ST
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	ST
J	minor pyrite trace galena or	Grab	—	Au	<5		587730	5409180	ST.
K	[illegible]				<5				
L	narrow pyritic zone in greenstone 75% py	Grab	—	Au	20		587875	5409139	S.T.
M	quartzite 2% sulphides				8		588165	5409218	ST.
N	shear in Quartz porphyry	Grab	—	Au	10		588140	5409364	ST.
O	" " " "	Grab	—	Au	<5		588200	5409375	S.T.
P	sericite schist minor py.	Grab	—	Au	<5		588230	5409075	ST.
Q	" " " " now lost	Grab	—	Au	~~[illegible]~~	15(Q)	588250	5409050	ST.
R	felsic outcrop, sericite 50% 5% fuchsite	"		Au	142		588372	5409090	ST.
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				

Norex Form: C:/forms\Samprep.frm

NORANDA EXPLORATION COMPANY LIMITED

~~Core~~ SAMPLES

Property: Fowler #1 Trench

~~Hole~~ Number: 2

SAMPLE	FROM metres	TO	WIDTH metres	Au Assays (grams/mt)				Final	
FT-2-1		1.1	~~1.1~~	WR				mafic weakly	VOL SHR
-2		1.0	~~1.0~~	WR				mafic	VOL
-3		1.0	~~1.0~~	Au				mafic	+ POR
-4		1.0	~~.90~~	WR				mafic	weakly shr
-5		.90	~~1.0~~	WR				"	"
-6		1.0	~~1.0~~	Au				POR	
-7		1.0	~~.90~~	Au				POR	
-8		.5	~~1.0~~	Au				POR	
-9		1.0	~~1.0~~	Au				alt shr	POR + PY
-10		1.2		WR				"	"
-11		1.1		Au				shr w/	1% POR 1% PY

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 Alt	GPS LOCATION Sample Description	
A	<5	✓	felsite boulders (find outcrop afterwards)													5% py Au	588355 Easting 5409100 NORTHING	NL
B	45	✓	felsic with fuschsite mica in boulder 5% Pyrite														588716 5408770	F#1
C	5	✓	intermediate Vulcanic 5% py. heaved boulder														588736 5408800	"
D	<5	✓	cherty felsite with splaches of green mica														588768 5408830	"
E	<5	✓	felsite with varying amounts of green mica & py.														↑ same location	"
F	<5	✓	in large boulders.															"
G	<5	✓																"
H	<5	✓															↓	"
I	6	✓	felsite with green mica pyrite.														588750 5408800.	F#1
J		✓	banded felsic to intermediate Vulcanics														588270 5409150	NL
K		✓	felsite minor green mica pyrite														588700 5408860	Quad
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	"

White - Field Copy Yellow - Office Copy

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

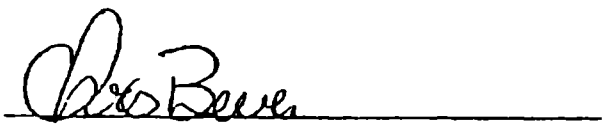
NORANDA EXPLORATION CO., LTD.
Bag Service #8
Marathon, Ontario
P0T 2E0

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: 

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: Peter 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

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: Chris Beaver

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: W9540-00084

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) 670-7284.

2.15930

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

42C13SW0008 2.15930 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 Area	G620
Dates Work Performed From: December 1, 1993	To: December 3, 1994	

Work Performed (Check One Work Group Only)

	Work Group	
	Geotechnical Survey	W10 PROSP, GEOL, MAG, Type IP Linecutting, prospecting, geology, magnetometer & IP surveys
	Physical Work, Including Drilling	
	Rehabilitation	
	Other Authorized Work	
	Assays	Rock & trench samples
	Assignment from Reserve	

RECEIVED
APR 3 1995
MINING LANDS BRANCH

Total Assessment Work Claimed on the Attached Statement of Costs $ GJK ~~25,457.00~~ ~~22,530.00~~ 20,892

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. Shaw	Ditto
S. Shaw, L. Cross, C. Szelewski, J. McInnes	
D. Hancock, H. Polowski	

(attach a schedule if necessary)

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: March 15, 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: George J. Koleszar c/o PO Box 1205, 60 Shirley St. South, Timmins, Ont P4N 7J5

Telephone No.	Date	Certified By (Signature)
(705) 268-9600	March 15, 1995	

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	Received Stamp
20,892		M. A. Wenniger	RECEIVED THUNDER BAY MINING DIVISION
	Deemed Approval Date: June 16/95	Date Approved	
	Date Notice for Amendments Sent		

1 (03/91)

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 0.650.898	1	1.319.00			1.319.00
	TB 0.650.900	1	1.319.00			1.319.00
	TB 0.651.397	1	1.319.00			1.319.00
	TB 0.651.398	1	1.494.00			1.494.00
	TB 0.651.399	1	1.961.00		1.961.00	
	TB 0.651.400	1	1.517.00		1.517.00	
	TB 0.653.301	1	1.253.00			1.253.00
	TB 0.653.302	1	1.253.00			1.253.00
	TB 0.653.303	1	1.253.00			1.253.00
	TB 0.653.304	1	1.253.00			1.253.00
	TB 0.653.312	1	0.00	300.00		
	TB 0.653.317	1	0.00	400.00		
	TB 0.653.318	1	0.00	400.00		
	TB 0.653.319	1	0.00	400.00		
	TB 0.653.322	1	0.00	400.00		
	TB 1.010.503	1	1.502.00			1.502.00
	TB 1.010.504	1	1.589.00			1.589.00
	TB 1.010.507	1	1.763.00			1.763.00
	TB 1.010.510	1	2.097.00		1.622.00	475.00
	TB 1.174.289	4	0.00	1.600.00		
	TB 1.174.290	4	0.00	1.600.00		
	21		20.892.00	5.100.00	5.100.00	15.792.00
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

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 priorizec 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

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 - 84

2 . 15930

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 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) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre	10,788.00	
	Field Supervision Supervision sur le terrain	3498.00	14,286.00
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type LC (Vertical Earth & Shaw Geoscience)	2965.00	
	Prospecting, S Thompson	1122.40	
	Assaying	248.00	4335.40
Supplies Used Fournitures utilisées	Type Flagging, sample bags, boxes etc	154.00	
			154.00
Equipment Rental Location de matériel	Type		

Total Direct Costs / Total des coûts directs: 18775.40

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	1386.00 ~~2858.00~~	GJC
	Gas	149.00 ~~308.00~~	GJC
			GJC
			1535.00 ~~3166.00~~
Food and Lodging Nourriture et hébergement	Groc.	582.00 ~~1199.00~~ GJC	582.00 ~~1199.00~~ GJC
Mobilization and Demobilization Mobilisation et démobilisation			

Sub Total of Indirect Costs / Total partiel des coûts indirects: 2117.00 ~~4365.00~~ GJC

Amount Allowable (not greater than 20% of Direct Costs) / Montant admissible (n'excédant pas 20 % des coûts directs): 2117.00 ~~3755.00~~ GJC

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): ~~22530.00~~ 20892.00 GJC

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APR 3 1995
MINING LANDS BRANCH

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
[signature]	March 15, 1995

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

Ontario

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des Mines

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

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

April 24, 1995

Our File: 2.15930
Transaction #: W9540.00084

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 CLAIMS 650898 et al. IN WABIKON LAKE AREA

Assessment work credits have been approved as outlined on the report of work form. The credits have been approved under Section 12 (Geology), Section 14 (Geophysical) and Section 17 (Assays) of the Mining Act Regulations.

The approval date is April 20, 1995.

If you have any questions regarding this correspondence, please contact Steven Beneteau at (705) 670-5858.

ORIGINAL SIGNED BY:

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

SBB/jl
Enclosure:

cc: Resident Geologist
Thunder Bay, Ontario

Assessment Files Library
Sudbury, Ontario

2.15930

1194423 1224809 1203259 1203258 1154794 DEAD DOTTED L. 1196026

1154792 OTTER 1196025

1224810 1203256 Lampson L. 1203257 1154791

1207858 1224960 PINEGROVE 1224811

P-3268-43

1207860 1207859 1224806 1203261 1203255 1203254 1209249 1209248

1224804 1224805 P-3268-41A ABANDONMENT OPEN GROUND 1203260

1207861 1203281 1196882 1174290 1174289 CR. 1196847

P-3268-41 ABANDONMENT 1099503 1099504 1183307 P-3268-33 1196848 1196846 1196845 MUSHER 1183039

1203282 1197156 1200656 AMWRI

1203284 P-3268-31 P-3268-41A ABANDONMENT

1203278 SOLOMS 1203279

P-3268-40 ABANDONMENT

WORK DONE ON
WORK RECORDED
OUTLINE OF CONTIGUOUS CLAIM GROUP

42C13SW0008 2 15930 WABIKOBA LAKE

200

MERIDIAN

[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

(R) 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 [redacted]

(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-84/84NWR-84/16/14, septic drying bed.~~ [illegible]

(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	R
CANCELLED	C
SAND & GRAVE L	S

LAND USE PERMITS FOR COMMERCIAL TOURISM, OUTPOST CAMPS

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 9, 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 0 200 1000 2000
(1 KM) (2 KM)

SOLONG LAKE SUBJECT TO FLOODING TO ELEVATION GSC 323.75 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

RECEIVED
APR 3 1995
MINING LANDS BRANCH

Ministry of Natural Resources — Land Management Branch
Ontario

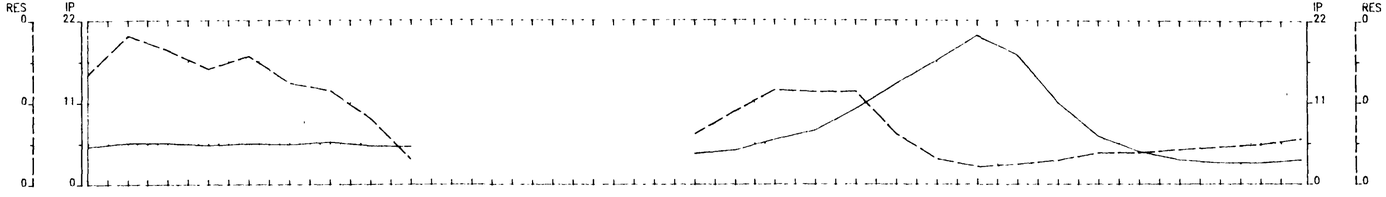
2.15930

Date AUGUST 1984
In service Oct. 28/94.

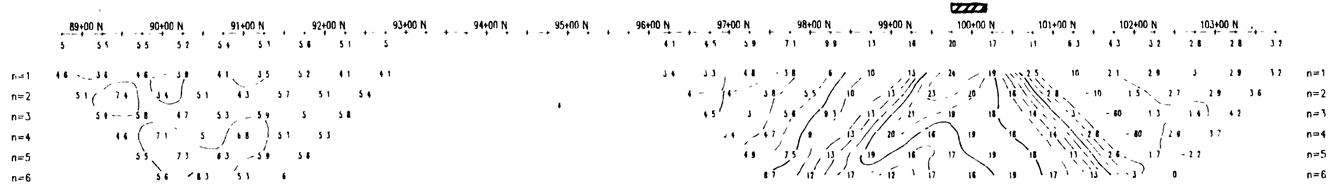
Number G-620

2.15930 (GEOL, ASSAYS) (MAG, I.P.)

42C13SW0008 2 15930 WABIKOBA LAKE

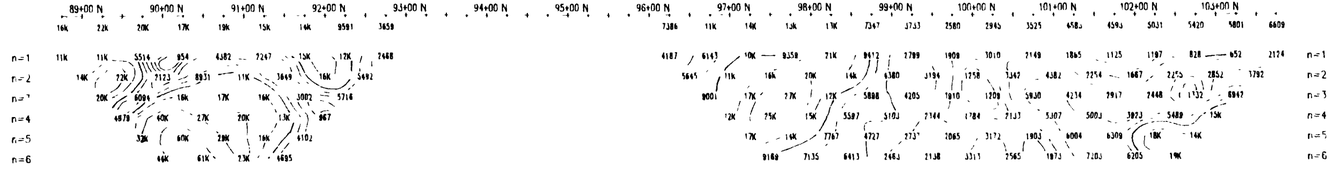


CHARGEABILITY
mV/V



CHARGEABILITY
mV/V

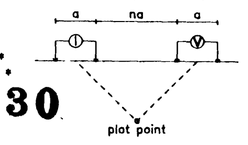
APPARENT
RESISISTIVITY
ohm-m



APPARENT
RESISISTIVITY
ohm-m

Filter

Dipole-Dipole Array



2.15930

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-1

Scale 1:5000

50 0 50 100 150
(meters)

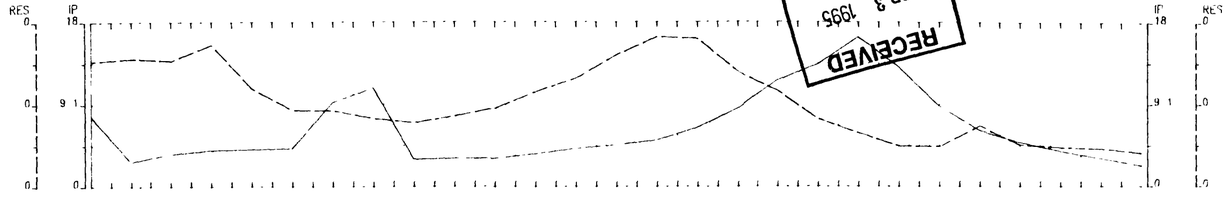
NORTH LIMB

INDUCED POLARISATION

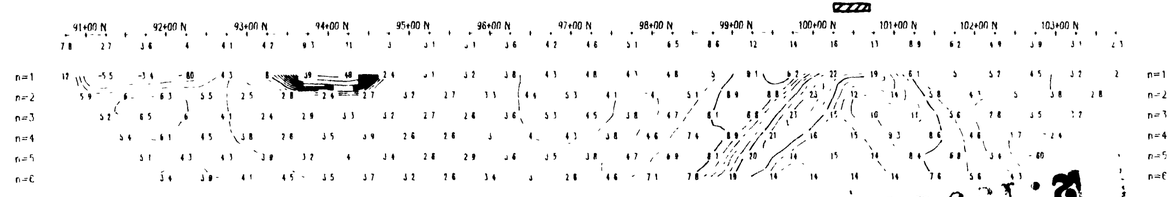
LINE 14600E

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

hemlo gold
Mines Inc.

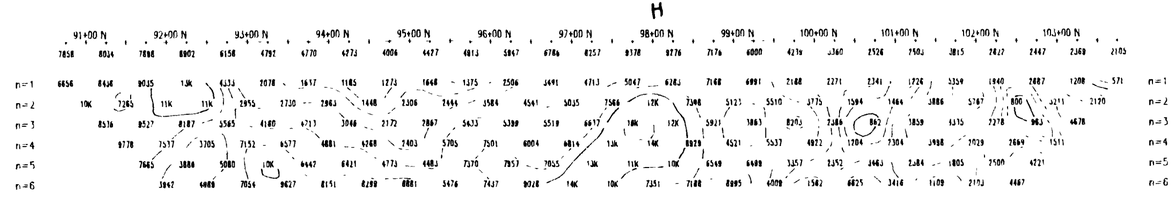


CHARGEABILITY
mV/V



CHARGEABILITY
mV/V

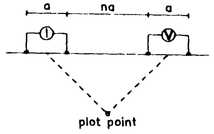
APPARENT
RESISTIVITY
ohm-m



APPARENT
RESISTIVITY
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)

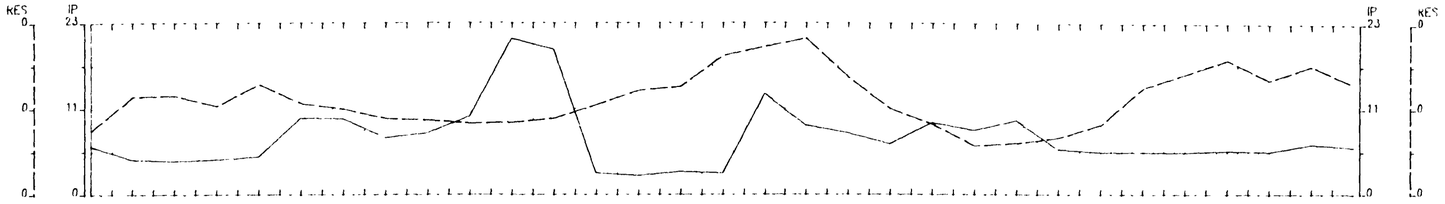
NORTH LIMB

INDUCED POLARISATION

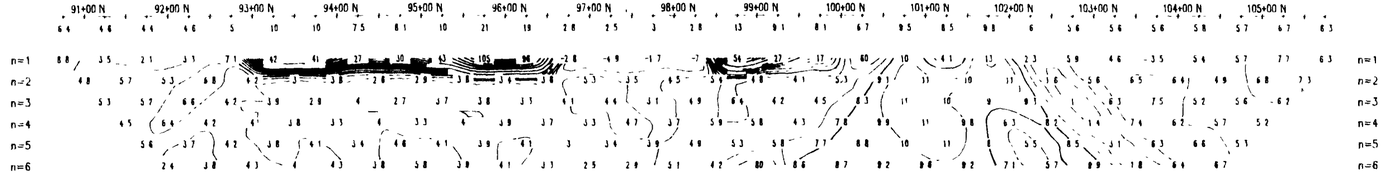
LINE 14400E

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

hemlo gold
Mines Inc.

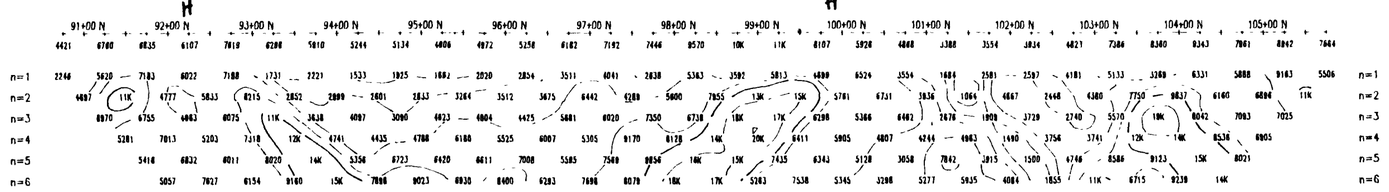


CHARGEABILITY
mV/V



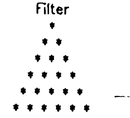
CHARGEABILITY
mV/V

APPARENT
RESISISTIVITY
ohm-m

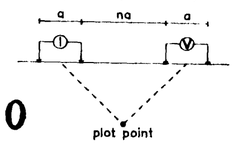


APPARENT
RESISISTIVITY
ohm-m

Filter



Dipole-Dipole Array



2.15930

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.

TB651397 | TB651398

TB651400 TB651399

TB1010507 TB1010516

Resistivity Low

High Chargeability

Med. Chargeability

Scale 1:5000

100 0 100 200 300 400 (meters)

15930

RECEIVED
APR 3 1995
MINING LANDS BRANCH

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.

42C13SW0008 2 15930 WABIKOBA LAKE

250

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

q quartz-eye bearing
fx feldspar crystal bearing
r mudstone rip-up clast bearing
s ironstone clast bearing
bx brecciated

METAMORPHIC MINERALS

an andalusite
cd cordierite
ch chlorite
cm cummingtonite
gt garnet
ky kyanite
mg magnetite
sl sillimanite
st staurolite

ALTERATION MINERALS

bt biotite
ep epidote
fd feldspar
ff feldspathic fractures
fs feldspathic stockwork
gm green mica
hm hematite
qv quartz veining
si silicification
sr sericite
sf sericitic fractures
ss sericitic stockwork
tm tourmaline
xb amphibolite (calc silicate) bands
xd disseminated amphibole
xf amphibolitized fractures
x ompletely amphibolitized rock

outcrop
swamp
claim post
sample location

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 tellurides

0 100 200 300 metres
1:5000

North Limb
Hemlo North East

Date Feb 6, 1995
Geologist: P.Johnston

HEMLO GOLD
Golden Giant Mine

N

5409100 N

588400 E

588450 E

5409100 N

TRENCH 146E

Claim Post 2
246m at 353 degrees

TRAIL

FT-2-1

FT-2-2
FT-2-3
FT-2-4
FT-2-5
FT-2-6
FT-2-7
FT-2-8

FT-2-9
FT-2-10

FT-2-11

9900 N

clm 1164420

5409050 N

5409050 N

clm 1010510

LEGEND

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

146 E Line

5409000 N

5409000 N

0 5 10 15 20 25

metres

588400 E

588450 E

42C13SW0008 2 15930 WABIKOBA LAKE

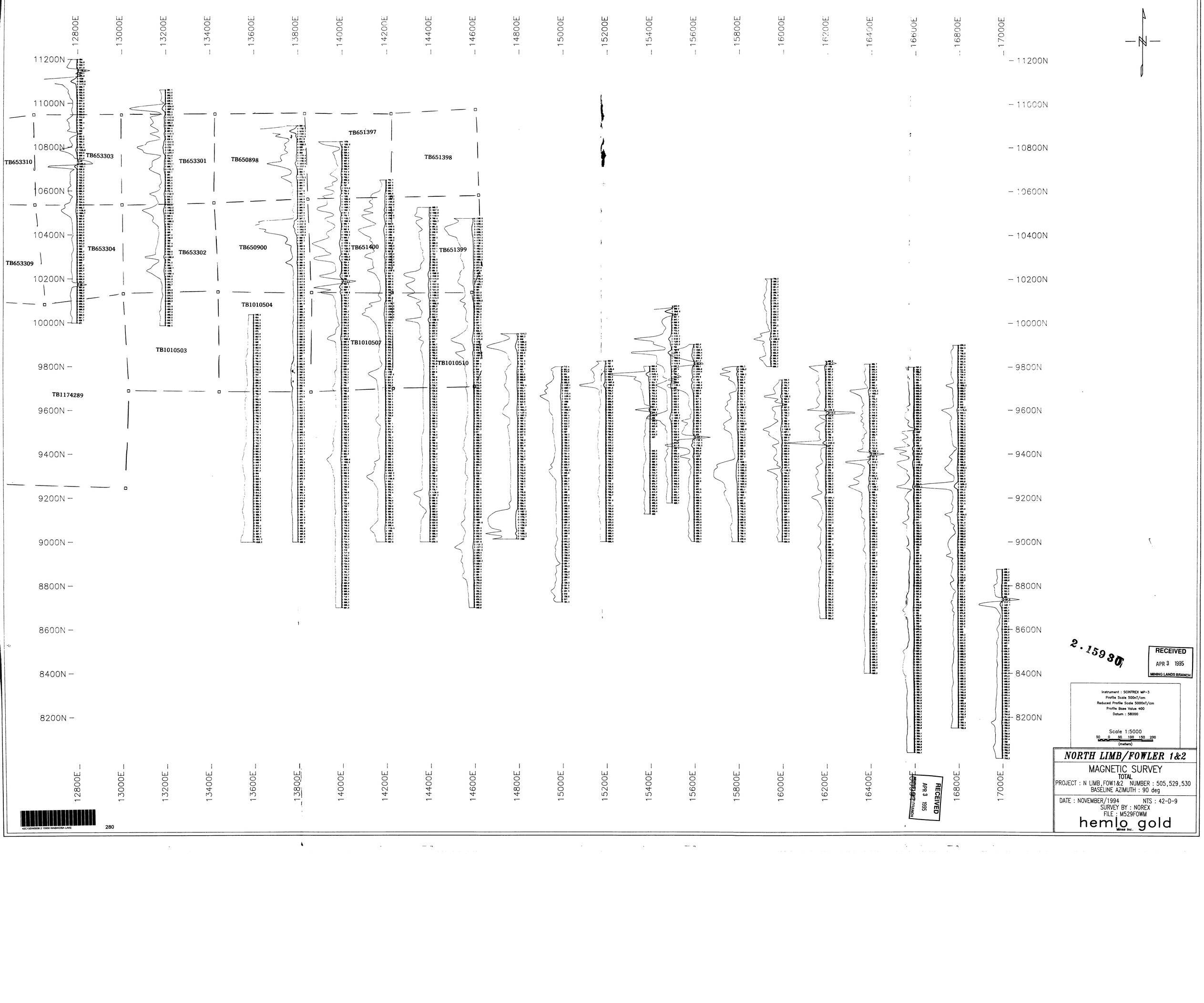
270

HEMLO GOLD
Golden Giant Mine

Trench 146 E

Plot by	R Kusins	Date	Mar 03/95
Checked		Date	
		Scale	1:250

Dwg No



2.15930

RECEIVED
APR 3 1995
MINING LANDS BRANCH

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)

RECEIVED
APR 3 1995
MINING LANDS BRANCH

NORTH LIMB/FOWLER 1&2

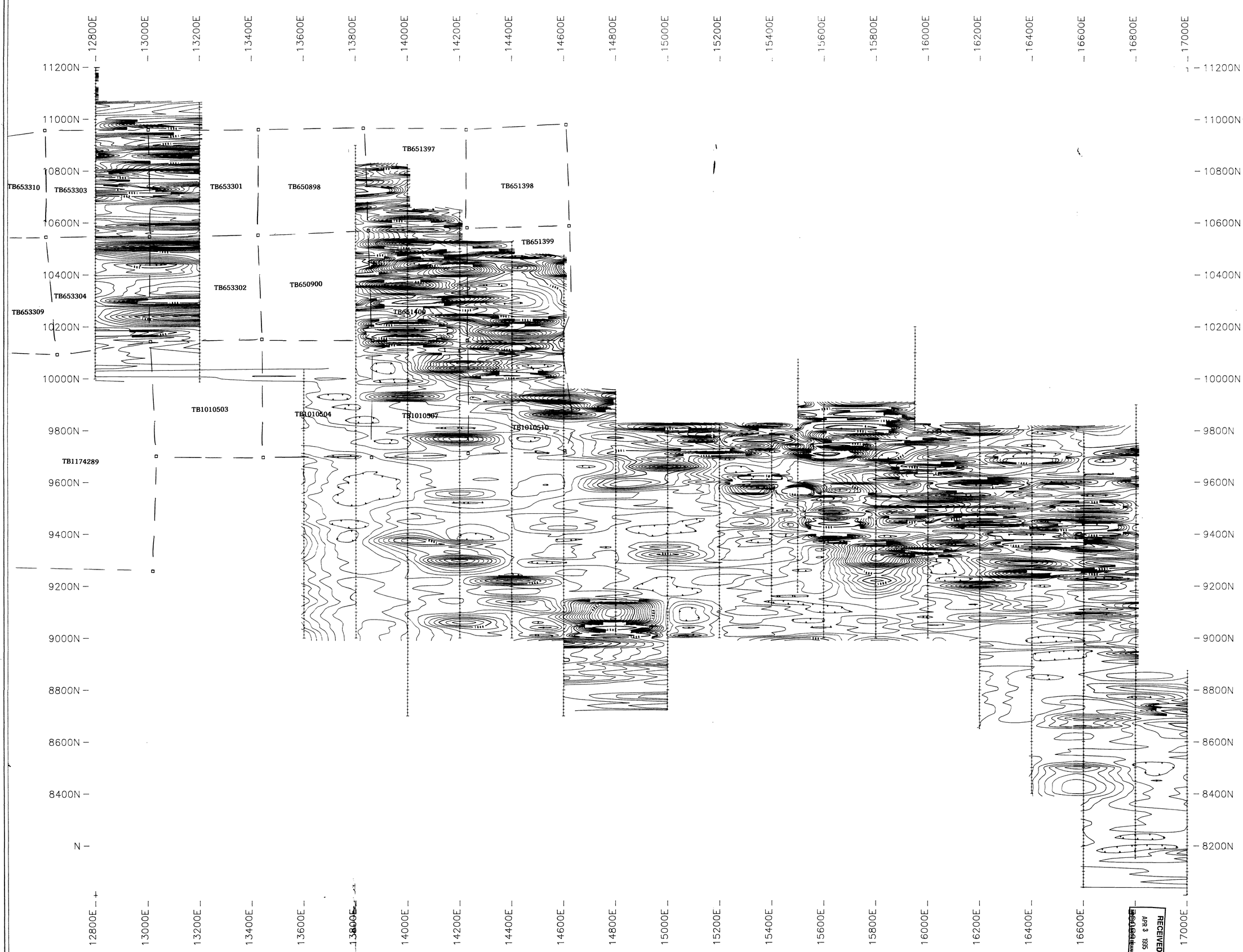
MAGNETIC SURVEY
TOTAL
PROJECT : N LIMB,FOW1&2 NUMBER : 505,529,530
BASELINE AZIMUTH : 90 deg

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

hemlo gold
Mines Inc.

42C15SW5508 2.15930 WABAKIMI LAKE

280



2.15930

RECEIVED
APR 3 1995
MINING LANDS BRANCH

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.

RECEIVED
APR 3 1995
MINING LANDS BRANCH