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PROGRESS REPORT ON THE
INCO OPTION PROPERTY
OF
LENORA EXPLORATIONS LTD.
JUNE 1988 TO SEPTEMBER 1988

2.14297

Kirkland Lake, Ontario
October 27/1988

NTS 42 A/9
Project L-009

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- Andy Haighton, B.Sc.Eng.
Junior Geologist

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August 1988
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SECTION A

PROGRESS REPORT ON HOLLOWAY TWP.
INCO OPTION, KIRKLAND LAKE DIVISION
OF LENORA EXPLORATIONS LTD.

Kirkland Lake, Ontario
October 1988

A.R. Haighton, B.Sc.Eng.

SUMMARY

In June 1988, an extensive exploration program was begun on the Inco Option Property by Lenora Explorations Ltd. The entire property was mapped at 1:5000 scale both by magnetometer and geological survey. Several individual basaltic flows, interflow sediments and rhyolitic flows were delineated. A rhyolite horizon was stripped, trenched and sampled by chip sampling and bulk sampling procedures. Previous work on this rhyolite indicated grades up to 0.2 oz/ton and warranted an investigation in more detail.

Due to lower grades than expected, and a more complex geology of the rhyolite, this horizon does not require any further work.

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INTRODUCTION

The Lenora Explorations claim group, located in the District of Cochrane consists of 99 contiguous claims in the south central portion of Holloway Township. The grid lines were spaced at 200 meter intervals and picketed every 25 meters. From June 1988 to August 1988, the property was subject to both a magnetometer survey, and geological mapping, both at 1:5000 scale. Based on favorable results, 2 sections covering a mineralized rhyolitic flow were stripped, and samples were taken for analysis.

This report summarizes the exploration accomplished from June to October on the property, and provide recommendations as to the possibility of future exploration.

2.0 PROPERTY LOCATION, ACCESS AND FACILITIES

The Lenora Explorations Inco Option claim group is located in the centre of Holloway Township extending to mile post 19 on the Harker Holloway Township Line. (Fig. 1) The property is 4km due south of the Holt McDermott Mine and may be accessed by several gravel roads leading from the mine to the various tailings dams utilized by American Barrick Resources. (NTS Reference 42A/9 80 km N.E. of Kirkland Lake). Additional access may be found by ATV on a drill road extending south from hwy 101 to McIntyre Lake. This road was recently extended to the centre of the claim group, providing good

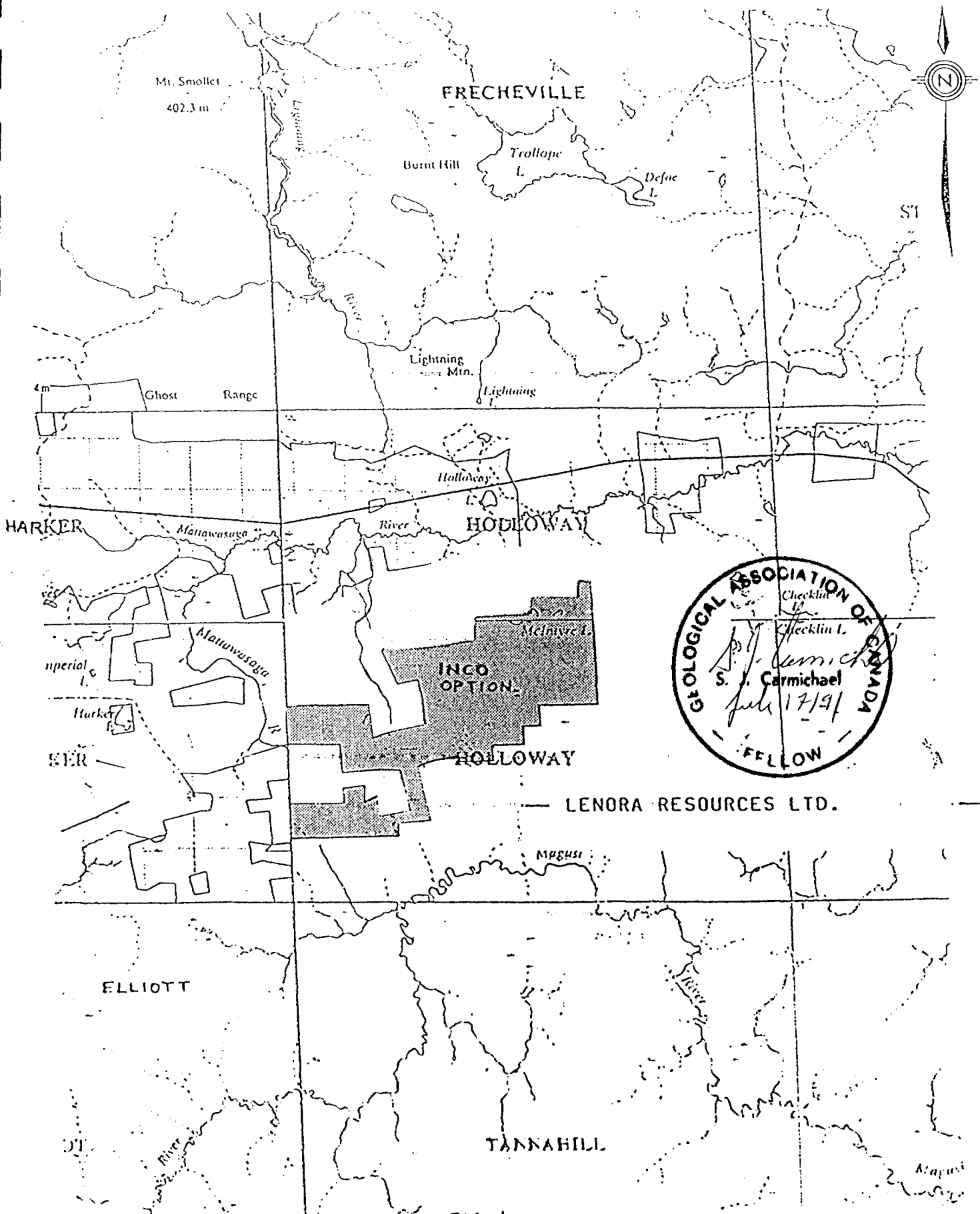


FIG. 1.
PROPERTY
LOCATION

1:100 000

access. Several small trails provide access on the property, as well as the surveyed claim lines and cut grid lines.

Water is scarce and not sufficient for diamond drilling on most of the property but several supplies are notable, being McIntyre Lake and some of the larger creeks found to the south. The tailings pond may also be useful, based on its volume. An Esker passes through the east portion of the property and may provide suitable road building materials.

Facilities capable of supporting a mining operation, including man power, electricity and milling are located 4km north at the Holt McDermott Mine.

3.0 LAND TENURE AND OWNERSHIP

The Inco option claim group comprises 99 contiguous claims, some of which have been surveyed by American Barrick for use as a tailings pond. The claims are all recorded with the District of Cochrane, Larder Lake Mining Division. Fig. 2

L-588014		1 claim
1-588165		1 claim
L-588169 - 588172	inclusive	4 claims
L-588175 - 588179	inclusive	5 claims
L-588182 - 588198	inclusive	17 claims
L-588274 - 588293	inclusive	20 claims

L-588388 - 588389	inclusive	2 claims
L-588468 - 588471	inclusive	4 claims
L-588476 - 588481	inclusive	6 claims
L-588534 - 588537	inclusive	4 claims
L-588539 - 588540	inclusive	2 claims
L-588558 - 588575	inclusive	18 claims
L-599010 - 599016	inclusive	7 claims
L-599018 - 599025	inclusive	8 claims

99 = 3960 acres

As of December 1984, all claims have had at least 158 1/2 days credit and brought up to the full 200 by May 1985 (Discovery-Lenora Joint Venture). 22 of the claims have been brought to lease as of November 1988, and have been surveyed.

In full, 25 of these claims are affected to some extent by an agreement by Lenora and American Barrick as of June 1987, for a tailings pond.

L-588274 - 588276
L-588281 - 588293
L-588561 - 588562
L-588571 - 588572
L-599015 - 599019

At present, Lenora is in a 50-50% Joint Venture on this option with

FIG. 2

Lenora Explorations Ltd.

LOCATION PLAN

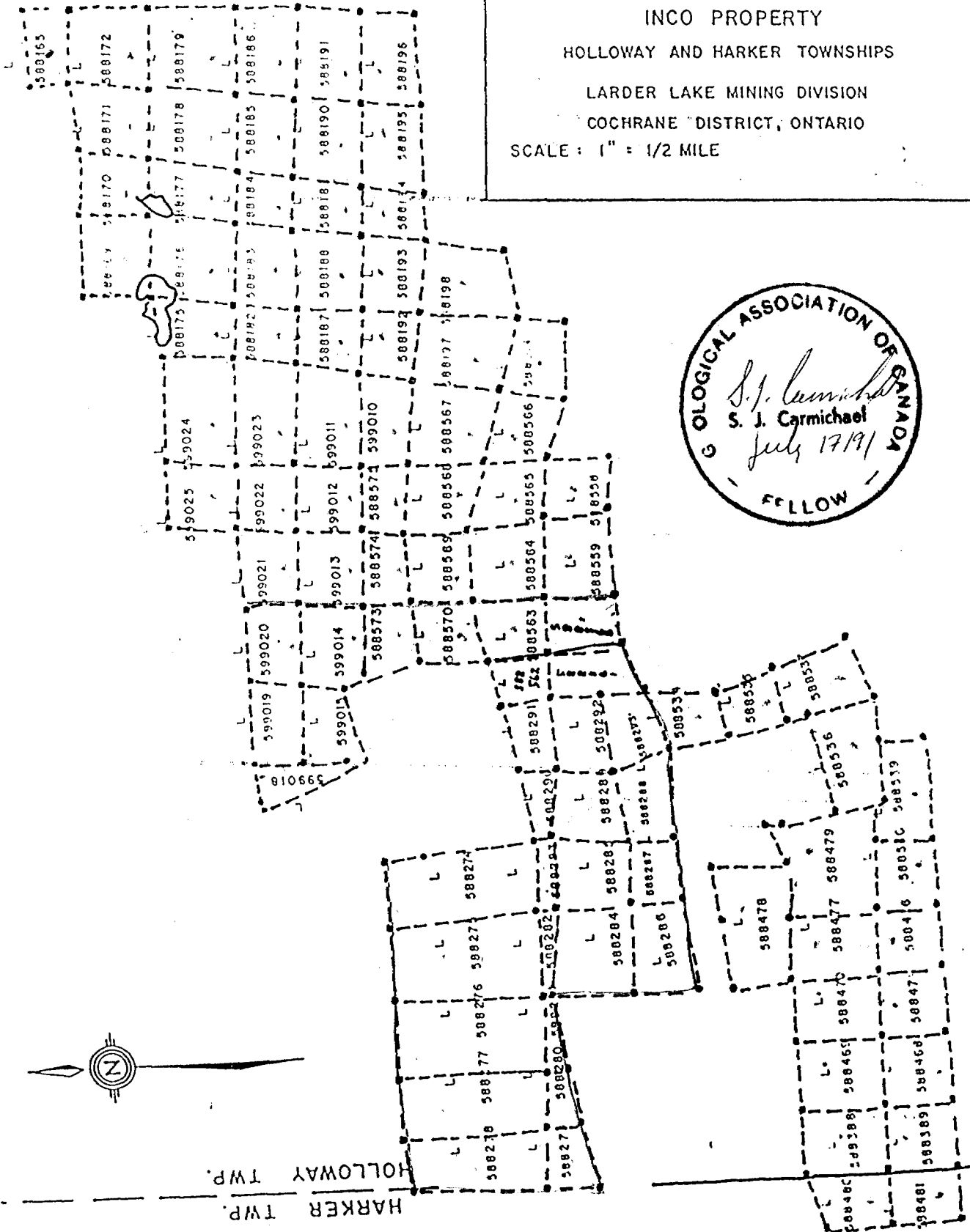
INCO PROPERTY

HOLLOWAY AND HARKER TOWNSHIPS

LARDER LAKE MINING DIVISION

COCHRANE DISTRICT, ONTARIO

SCALE: 1" = 1/2 MILE



HARKER TWP. HOLLOWAY TWP.

Canadian Nickel Company Ltd.

4.0 SURFACE TOPOGRAPHY, OVERBURDEN AND FOLIATION

The Inco option claim group contains a variety of topographic features. To the south, a topographic high of exposed outcrop some 30-40' high is notable. To the north, a similar rocky terrain with mainly spruce trees exists. In between lies a topographic low where muskeg and alders cover much of the claims. Two kettle lakes to the north east, McIntyre Lake being the larger and many small streams (some dammed) provide water. A large esker covers most of the eastern portion of the property, reducing outcrop exposure. A large portion of the central swamp was slashed for the tailings pond.

5.0 PROPERTY HISTORY

In August, 1917, gold was discovered by Coin Lake Gold Mines on claim L-7135 (now patented), of the Lightning River Group. A number of pits were excavated and a 48 foot inclined shaft was sunk in 1922 producing 1820 pounds of muck, grading 0.70 ounces Au. In 1945, diamond drilling on the property was begun, with 17 shallow holes to explore the previous trenches. Low values were received and exploration was terminated.

In 1950, McIntyre Porcupine Mines, having acquired the property

Over several years, completed 10 shallow drill holes west of McIntyre Lake (Holes S-1 S-2 and S-7 on Inco Option). Three of the holes produced low gold values in quartz carbonate veins containing mainly pyrite with little other sulphides.

In late May 1984, Lenora entered into a joint venture to explore both the property and the Golden Harker claim group to the west. 400' grid lines were cut, chained and geophysically surveyed (MAG,EM). Geophysical anomalies were subsequently tested by 4 diamond drill sites (I-84-1 - I-84-4), exploring a sedimentary interflow horizon with limited success. In 1986, three further holes were drilled by Lenora to test the contact between magnetic Fe-rich basalts and non-magnetic Mg-rich basalts. The contact is the east extension of the Golden Harker Horizon.

This summary report describes the exploration of the property since June 1988 to October 1988 and the results obtained.

6.0 REGIONAL GEOLOGY OF THE INCO OPTION CLAIM GROUP

For a complete regional geology of Holloway Township, the reader is referred to the sixty second annual report of ODM Vol LX11 Part 7, 1953 Geology of the North Half of Holloway Township, by J. Satterly, and to Genesis of the Abitibi Belt by L. Jensen.

The Inco option property lies within a volcanic-sedimentary assemblage of Keewatin Age Archean Rocks known as The Kinojevis

Group, a small portion of the Abitibi Greenstone Belt. The major components of the assemblage includes both felsic and mafic volcanics, interflow sediments and ultrabasic intrusive phases. Matamorphic grade lies between the upper greenschist to amphibolite facies. The various lithologies lie subparallel to the later Destor-Porcupine Fault System, some three miles to the north.

The predominant metavolcanic assemblage of the Kinojevis Group is primarily basaltic in composition, striking 070 and dipping steeply to the south.

Table of Formations (as apply to the Inco Option)

Cenozoic

- Recent: Stream Deposits
- Pleistocene: Sand, Gravel, Boulders ---- Munroe Esker

Unconformity

Precambrian

- Keweenawan: Diabase
- Keewatin: Rhyolite, Andesite, Basalt
- Carbonate-Chlorite Schist
- Faulted contact
- Interflow Sediments

Table 1, Formations

The basalt may be either magnesium or iron rich and may exhibit several distinguishing textures, (diabasic, porphyritic, spherulitic) and various phases, (flow top breccia, pillowed,

massive). A 75 meter sequence of tholeiitic rhyolite exists on the property, composed of at least four mappable flows separated by narrow thin tholeiitic basalt flows.

The contact between the Fe rich and Mg rich basalts is marked by a schistose fault zone, subparallel to the stratigraphy, tending to be chloritic and weakly carbonatized. Near this contact lies a dark black graphitic interflow sediment, which may be traced further to the west in Harker Township as far as the Golden Harker Mine property.

Several 1 meter wide diabasic dikes of keweewan age, are found which strike E-W, cross-cutting stratigraphy.

7.0 PRESENT WORK

In June 1988, an exploration program was initiated on the the property, consisting of 154 kms of line cutting, magnetometer surveying and geologic mapping. Following up on favorable lithologic and assay results, two areas were stripped and chip sampled. Bulk sampling was completed on a trench where higher grades existed.

7.1 MAGNETOMETER SURVEY AND LINE CUTTING

Due to the irregular claim locations, three grids were cut. Base line 0, 5600m long was cut in strike with the stratigraphy at

0 and tied in with base line OA parallel and north for 2000m. Base line OB, is linked to the main claim package by an 1800m tieline at L8+00W and strikes E-W for 2800m. The lines were spaced at 200m intervals and picketed at 25m centres.

The lines were later surveyed by magnetometer, revealing 7 magnetically distinct zones concordant with the general stratigraphy, detailed as per table 2.

Table 2 - Magnetometer resultant horizons. Inco option.

MAGNETICALLY DISTINCT HORIZONS, INCO OPTION

ZONE	LOCATION	WIDTH	VALUES (Gammas)	LITHOLOG
1	150M n of BLO	50m	0-1000	Fe Thol Bas
2	300S to 500N of	800m	0-100	Mg Thol Bas
3	600m N of BLO	100m	300-1000	Weakly magn Fe Thol Bas (Flow Top
4	1000m N of BLO	500m	1000+	Fe Thol Bas
5	400-1800m S of	1400+m	500-1000+	Fe Thol Bas
6	X cuts BLOB at	200m	0-100	Mg Thol Bas

- Undivided - Massive, generally fine grained, no distinguishing characteristics. Epidote stringers are common.

- (b) Diabasic - Salt and pepper texture with coarser grained plagioclase laths with pyroxenes.

- (c) Pillowed - Ranging from 0.25 to over 2 meters long, they are generally well developed with thick selvages and tops to the south. Hyaloclastite commonly associated and visible.

- (d) Flow Top
Breccia - Fragments are 0.5 to 2cm wide Hyaloclastite may be noticed.

- (e) Spherules - Up to 1cm diameter associated with flowtop and pillowed lavas.

- (f) Amygdules - Generally found with flowtop and pillowed lavas.

- (g) Porphyritic- Associated with undivided basalts, 0.5 to 1.5cm Phenocrysts, of subhedral plagioclase (white).

The flows range from 40m to over 400m in width, consisting of several of the phases and marked by either flowtop or magnetic changes. Seven flows are indicated by the mapping.

Six samples were sent to Bondar Clegg for whole rock analysis, to confirm the field identification of Fe rich and Mg rich basalts by magnet. The result (Fig. 3) confirms this approach for future geological work in this region.

Table 3. Analysis vs. fieldwork lithological characterizations.

SAMPLE	FIELD OBSERVATION	ANALYSIS RESULT
LIS-02	Fe Rich Basalt	Fe Rich Basalt
LIS-16	Fe Rich Basalt (contact of Fe and Mg)	Fe Rich Basalt
LIS-10	Mg Rich Basalt	Mg Rich Basalt
LIA-06	Mg Rich Basalt	Mg Rich Basalt
LIA-10	Mg Rich Basalt	Fe Rich Basalt (could be part of Zone 1 Horizon-Table 1)
LIS-19	Rhyolite	Rhyolite

Lenora Explorations Limited

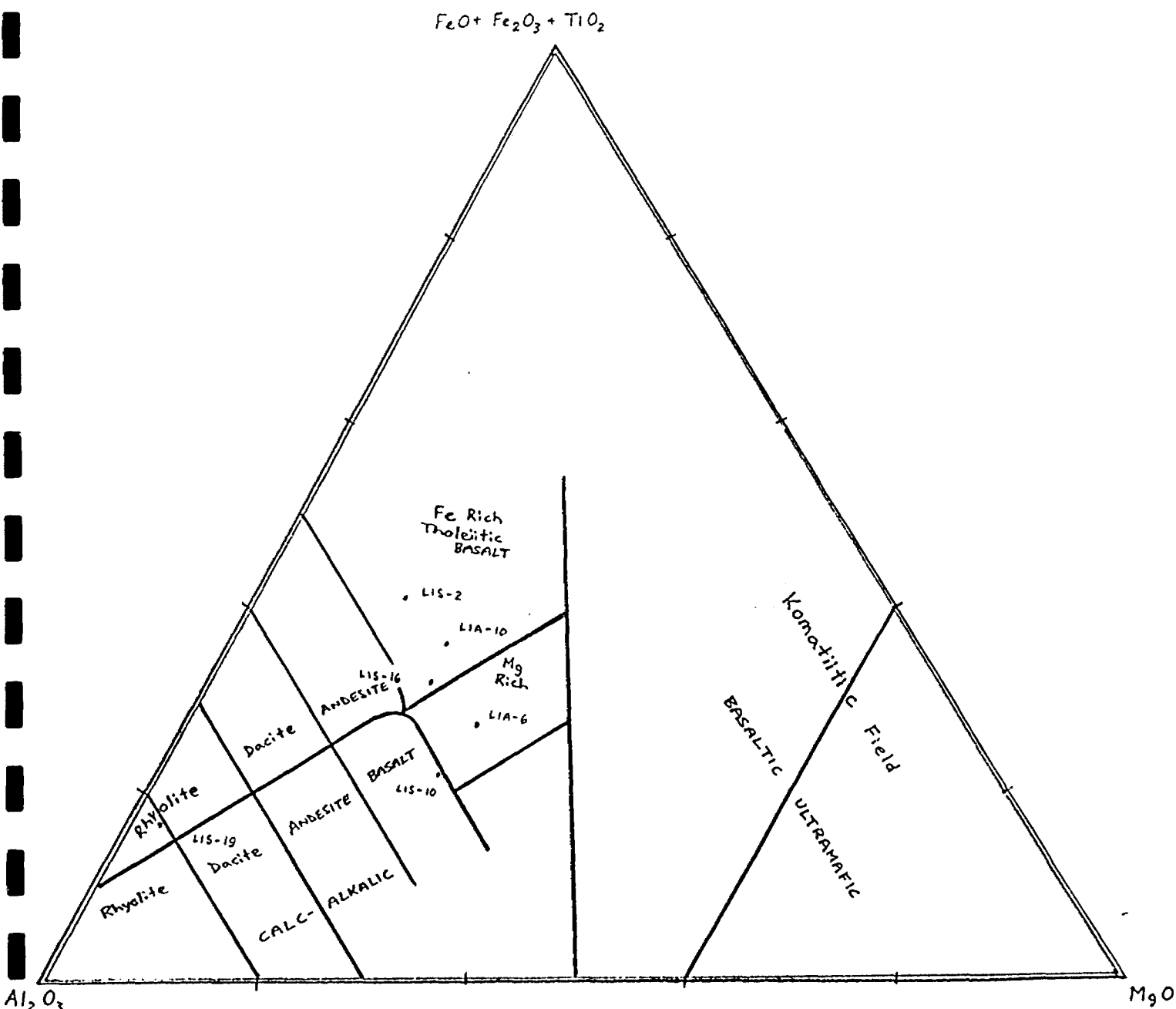


Fig 3. Jensen Cation Plot

7.212 RHYOLITE

Located between 9+00 and 10+00S between lines 6+00E and 8+00E, a magnetic low of tholeiitic rhyolite lies within a sequence of iron rich basaltic flows. The package is composed of 6 distinct flow units separated by thin Fe-rich basalt contacts. Each flow is 2-10m wide with pinch and swell geometry. The rhyolite is generally massive and extruded under shallow water as evidenced by the large quartz and quartz-carbonate amygdules. The various flows are fractured (joints) in several directions where cooling-tension cracks formed as the lava cooled. Each flow is altered to some extent (chloritized, silicified, carbonatized), although colouration changes indicate the alteration occurred to varying degrees. Up to 3% disseminated sulphides are present in the form of pyrite. Minor specular hematite may be found in isolated but well fractured locales.

Previous drilling results combined with the geology mapping indicate the presence of a possible fault to the east, possibly a site for mineralization. The rhyolite varies from a deep purple to dark jet black.

7.213 INTERFLOW SEDIMENTS

Concordant with the stratigraphy, a thin horizon of interflow sediments can be traced along strike for several kilometers westward. The horizon is located at the boundary between the

Magnetic and non-magnetic basalt flows at baseline O. They are dark grey to black, graphitic and weakly foliated. The interflow sediment averages 4 feet in thickness.

7.214 INTRUSIVES

The only major intrusive on the property is a Keweenawan age diabase, generally striking E-W and dipping steeply north at 88 degrees.

7.22 STRUCTURAL

- A) Strike Faults: An extension of the Golden Harker Fault may be found 200m S of the baseline.

- B) Crossfaults: With very few exposures present, the stratigraphy tends to indicate a series of N-S crossfaults. Several examples of N-S shearing were mapped.

7.23 ALTERATION

Hydrothermal alteration is common in the basalts, leaving the volcanics variably silicified, carbonatized and epidotized. Faulting has locally chloritized the lavas and leaving a schistosity.

7.3 TRENCHING

In 1945, 10 drill holes were drilled on a rhyolitic horizon 9+00s to 10+00s on the western half of claim 7248 (now 588534) and several trenches were excavated. This area is now exposed where the trenching and grab sample assays proved worthy to prepare a 2 1/2 ton bulk sample. Drill sections are provided in section C.

7.31 LOCATION AND PREPARATION

Two areas each 5000m² in area were cleared by bulldozer and further cleared by backhoe in the south portion of claim 588534. The outcrop was washed, and later geologically mapped at a scale of 1cm=2m. A trench 40m long was marked, drilled and blasted on the east most exposed outcrop.

Access to this stripping is best by following the Barrick south road to the dam at the south end of the tailings. A cleared path leads to the stripping 500m to the east.

7.32 EXPLOSIVES, TRANSPORT

Blasting of the trench was accomplished by use of an aluminum based emulsion and B-Line. Once sampling was accomplished, bulk samples

Materials were flown to a stake truck on the Barrick Dam by helicopter since the path into the stripping was not suitable for heavy vehicles.

7.33 CHIP SAMPLING

All exposed outcrop was chip sampled, at 2m intervals on a grid running 160/340 degrees where possible, to correlate results over a larger area. The trenched outcrop was sampled at 1m intervals as it was more important as a check to bulk samples and indicated the most potential for higher grades. Samples were sent to Swastika Labs in Swastika.

7.34 BULK SAMPLING

Ten 45 gallon barrels were brought into the stripped area and filled to 3/4 full of blast rock no larger than hand size. Each barrel was to be filled with material from a different section of the trench, such that the entire blast was sampled. The barrels were brought for analysis to the Timiskaming Testing Labs in Cobalt (TTL) and will be analyzed separately; ten results are to be received.

7.35 RESULTS

All assay results have been converted to ounces/ton.

7.351 CHIP SAMPLING

In all, 100 samples were taken between all outcrops, summarized on Fig. 3 and Fig. 4 from these results and the knowledge of the geology, some general conclusions are of note.

- 1) Highest assay results occur where pyrite content is high.
- 2) Highest assay results occur where the Rhyolite is fractured due to tension fractures.
- 3) Some flows have continually high results when fractured, others do not.

From this, the mineralization is sporadic, only occurring as a result of high sulphide content and good fracture density and may be localized to only one 5m flow having these conditions. Mineralization must have occurred as this flow was cooling and localized in with pyrite, in the tension fractures, running perpendicular to the flow direction. Specular hematite is found in subsequent flows and appears to not contain a high gold content.

Additionally, the rhyolite is subject to a possible nugget effect, evidenced on a check sample at 6+35w, 9+595s (3400, 30ppb), further complicating the horizons potential.

7.352 BULK SAMPLING

Each of the ten barrels was sampled separately so that a more accurate bulk sample value could be achieved..

The results are as follows:

Barrel #	Weight (lbs)	Assay oz/ton	wt x Assay
1	388	0.010	.00194
2	333	0.007	.00117
3	354	0.007	.00124
4	361	0.009	.00162
5	369	0.019	.00351
6	393	0.111	.02181
7	340	0.040	.00680
8	353	0.047	.00830
9	387	0.013	.00252
10	377	0.011	.00207
	<hr/>	<hr/>	<hr/>
	3655	0.028	.05098

Thus the weighted average grade for the trench is estimated to be 0.028 oz/ton from assaying the bulk sample. Note that this trench was excavated in the high grade portion of the rhyolite. Overall grade of the rhyolite is assumed to be less than 0.01 oz/ton since only high grade sections were bulk sampled.

RECOMMENDATIONS AND CONCLUSIONS

The Inco Option Property, currently under investigation by Lenora Explorations, comprises 99 contiguous claims in South Central Holloway Township. 17 drill holes, extensive trenching and geological mapping have isolated and explored several horizons that cross the property. An interflow sediment explored near the current baseline drilled in 1984 produced only trace gold values on a thin horizon. Additionally, exploration centered around a 60m wide Rhyolitic horizon in claim 588534.

Trenching and chip sampling results of the rhyolite horizon indicate a low grade of 0.01 ounces/ton, with high grade sections due to sporadic sulphide contents and fracture densities. The deposit is affected by the nugget effect and best results appear to be contained in only one of six isolated flows.

Mapping of the property indicates only two favorable gold horizons and thus indicates only limited potential for high grade mineralization.

At present, part of the property is under agreement to American Barrick Resources for a tailings pond, probably making the best possible use of the claims (not brought to lease).

No further exploration is recommended for the property, based on the results of this investigation.

Respectfully submitted,

A.R. Haighton, B.Sc. Eng.



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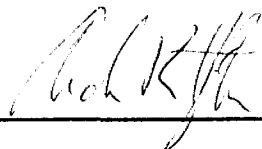
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program and mineral reserves of the Golden Harker Gold
Deposit, Harley and Inco properties
May 06, 1985

CERTIFICATE OF QUALIFICATIONS

I, Andrew R. Haighton of Kirkland Lake, Ontario, do hereby certify that:

1. I reside at 72 McCamus Avenue, Apt. #4, Kirkland Lake, Ontario P2N 2J9
2. I am a qualified geological engineer, having received my training at Queen's University at Kingston, in the Mineral Explorations option, in 1987
3. I have practiced my profession continuously since graduation
4. I have knowledge of and previous exploration experience in the Harker-Holloway region. All work was completed with, and under the supervision of Stewart Carmichael, Project Geologist.
5. The report is based on two (2) months of mapping and a further month of trenching in addition to use of Ministry of Natural Resources records.

Dated this 17th day of November 1988



Andrew R. Haighton, B.Sc. Eng. Geology



SECTION B

Magnetometer Survey prepared for
Lenora Explorations
by
Services D'Exploration Enr.
of
Rouyn - Noranda
August 1988

SERVICES EXPLORATION SERVICES Enrg.
Reg'd.

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ROUYN-NORANDA, P.Q.
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MAGNETOMETER SURVEY

LENORA EXPLORATIONS LTD.

HOLLOWAY TWP. PROPERTY

August 1988

I N D E X

I - INTRODUCTION	P 1
II - PROPERTY	P 1
III - LOCATION & ACCESSIBILITY	P 1
IV - MAGNETOMETER SURVEY	P 2
V - CONCLUSION & RECOMMENDATION	P 5

I - INTRODUCTION: Within the framework of an extensive exploration program, a magnetometer survey was undertaken, during the month of July, 1988, on part of the LENORA EXPLORATIONS LTD. property located in Holloway Twp.. Ontario.

II - PROPERTY: The survey covered a block of 96 claims; the claims are numbered as follows:

588014-588169-588170-588171-588172-588175-588176-
588177-588178-588179-588182-588183-588184-588185-
588186-588187-588188-588189-588190-588191-588192-
588193-588194-588195-588196-588197-588198-588274-
588275-588276-588277-588278-588279-588280 -588281-
588282-588283-588284-588285-588286-588287-588288-
588289-588290-588291-588292-588388-588389-588468-
588469-588470-588471-588476-588477-588478-588479-
588534-588535-588536-588537-588539-588540-588558-
588559-588560-588561-588562-588563-588564-588565-
588566-588567-588568-588569-588570-588571-588572-
588573-588574-588575-588293

599010-599011-599012-599013-599014-599015-599016
599018-599019-599020-599021-599022-599023-599024
599025

III - LOCATION & ACCESSIBILITY:

The claim group is located in the northwestern quadrant of Holloway Twp. at an approximate distance of 25 miles northeast of Kirkland Lake. Ont.

The area is accessible by motor vehicle, from highway 101, by driving southwards along a gravel road which by-passes the Holt-McDermott mine.

IV - MAGNETOMETER SURVEY:

The magnetometer survey was carried out along two adjoining grids labelled grid # 1 and grid # 2.

The base line of grid # 1 is 5 800 meters long and strikes at 70⁰; cross lines occur at every 200 m intervals and extend northeastwards and southeastwards along different lengths to cover the claim areas.

A total of 71.8 line kilometers have been cut on this grid, including a 1800 meter long tie line.

The base line of grid # 2 is 2 900 meters long and strikes East-West; cross lines have been cut at 200 meter intervals. A total of 12.2 line kilometers have been cut on this grid.

Although, several, randomly distributed and unsurveyed claim blocks occur within the general area covered by the grids, a broad magnetic pattern may, nevertheless, be obtained.

Thus, six magnetically distinct zones have been outlined, all of which are concordant with an East-southeast trending stratigraphy. These zones are labelled A to F and briefly discussed as follows:

ZONE "A":

This narrow zone, outlined by the "0" gamma contour line and varying in width between 150 and 300 meters, straddles the base line of grid # 1 along its entire length; it is characterized by a relatively uniform but pronounced magnetic low, ranging from 0 gammas to 1000 gammas.

These negative values probably indicate the presence of felsic volcanics and, or, sediments.

ZONE "B":

This 1 200 meter wide zone lies immediately north of ZONE "A"; it is outlined, to the south, by the "0" gamma contour line, and to the north, by the 1 000 gamma contour line, both of which are parallel and trend in an East, southeast direction. In general the magnetic values increase gradually from south to north.

This area is probably underlain by sedimentary rocks or felsic volcanics.

ZONE "C":

A very narrow band with magnetic values ranging up to 1 600 gammas. outlines the presence of a narrow mafic sill, probably of dioritic composition, located in the central area of ZONE "B".

ZONE "D":

ZONE "D". located immediately north of ZONE "B". has only been partly defined. Magnetic values, ranging up to 3 300 gammas, have been recorded. Thus the presence of mafic and ultramafic sills may be inferred.

ZONE "E":

This wide zone which is also outlined by the "0" gamma contour interval, lies immediately to the south of zone "A"; it has been partly outlined on both grid # 1 and grid # 2.

This sector is characterized by the presence of more or less irregular patterns of varying magnetic intensity, ranging up to 3 400 gammas. The values ranging from 1000 to 2000 gammas probably indicate the presence of diorite and, or, gabbro intrusives; values above 2 000 gammas may indicate the presence of ultramafic flows or sills. The above rock types probably intrude volcanic units as inferred by the magnetic values ranging from 0 to 1000 gammas.

An extensive area of ultramafic rock has been outlined south of the base line on grid # 2.

ZONE "F":


This 350 meter wide area has magnetic values ranging from -40 to 1000 gammas; it has been located on grid # 2 and partly on grid # 1. - the area is probably underlain by volcanics.

V - CONCLUSIONS & RECOMMENDATIONS:

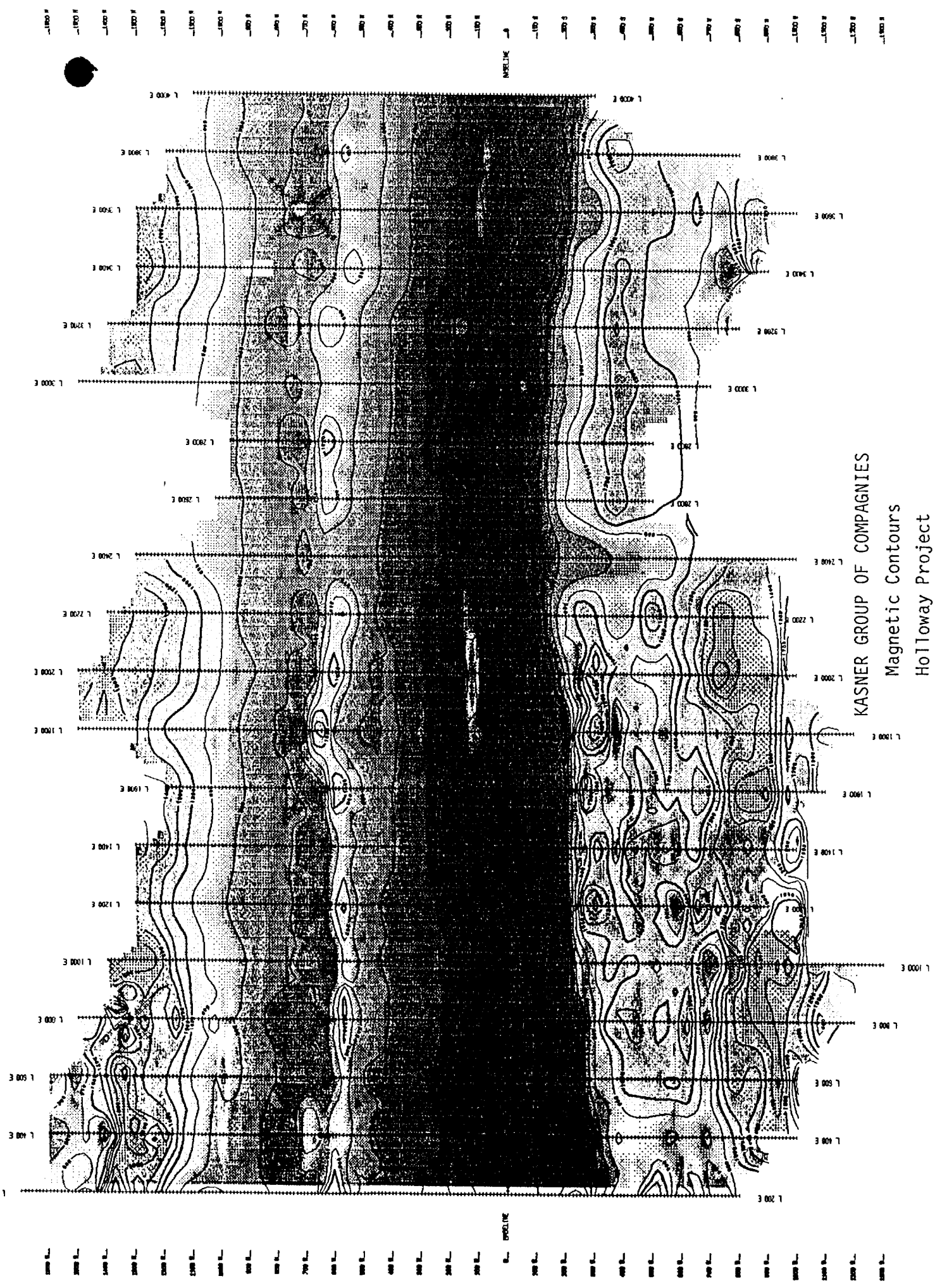
For a more accurate interpretation of the magnetic data, all of the available geoscientific information should be compiled and studied. The additional knowledge thus obtained should help to outline the more subtle features, such as folds and faults.

Respectfully submitted:

E. Chartré:

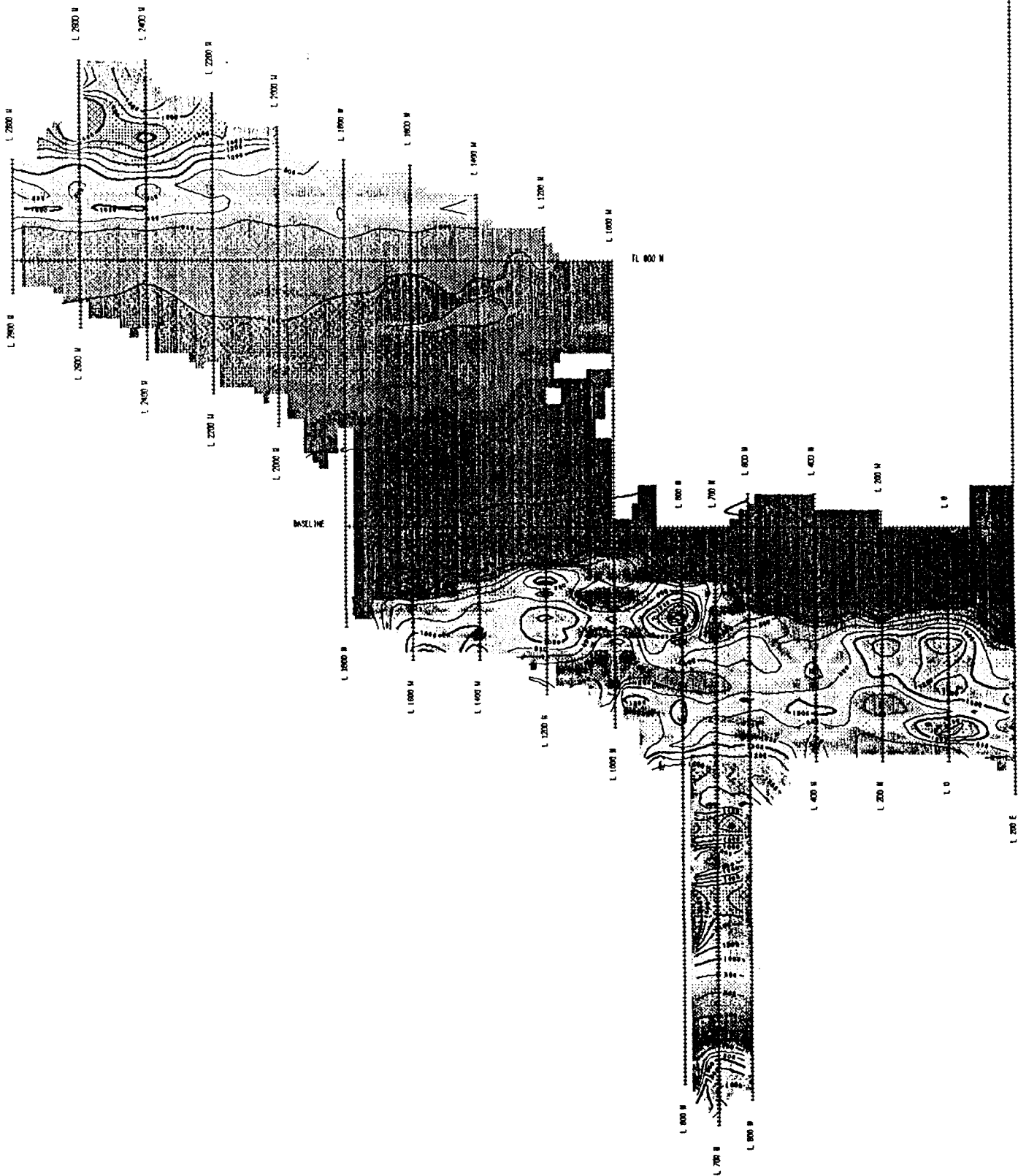


August 15. 1988



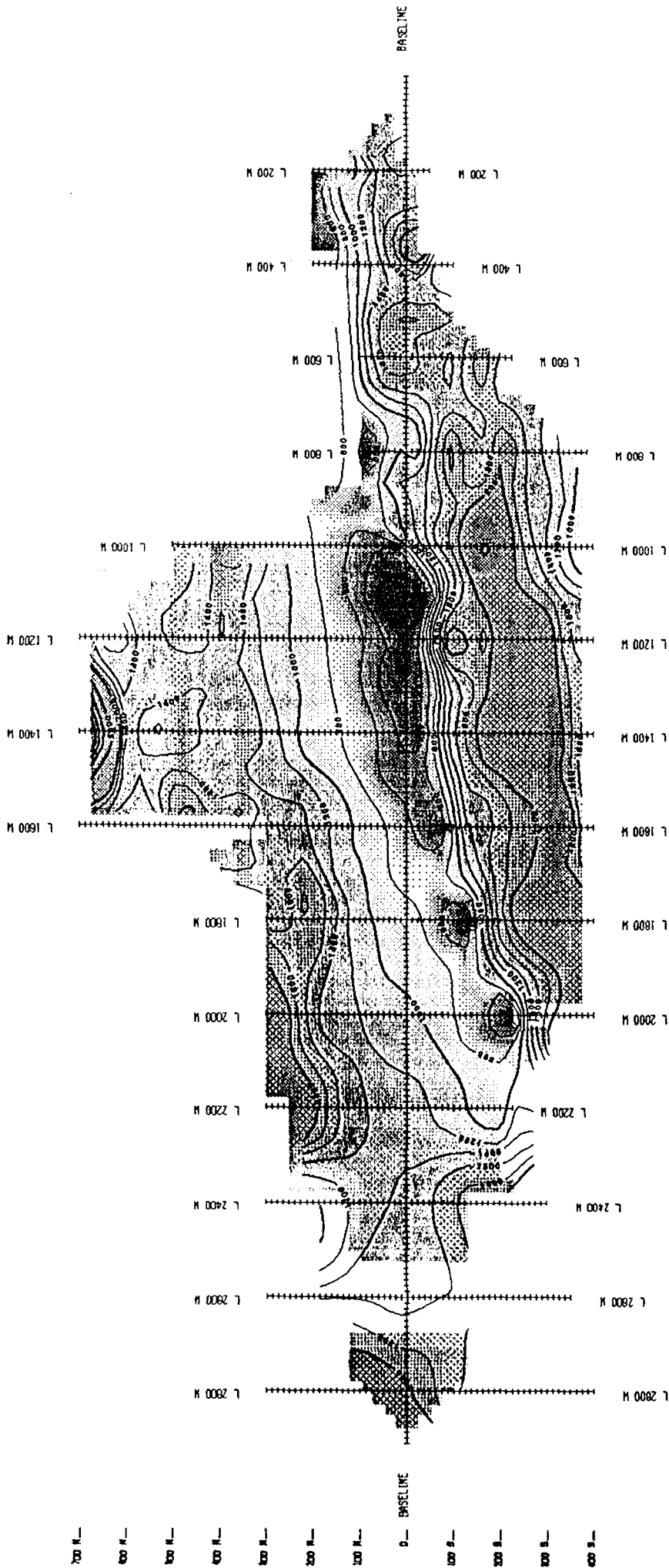
KASNER GROUP OF COMPANIES
Magnetic Contours
Holloway Project

Scale : 1:16,667



KASNER GROUP OF COMPANIES
 Magnetic Contours
 Holloway Project

Scale : 1:16,667

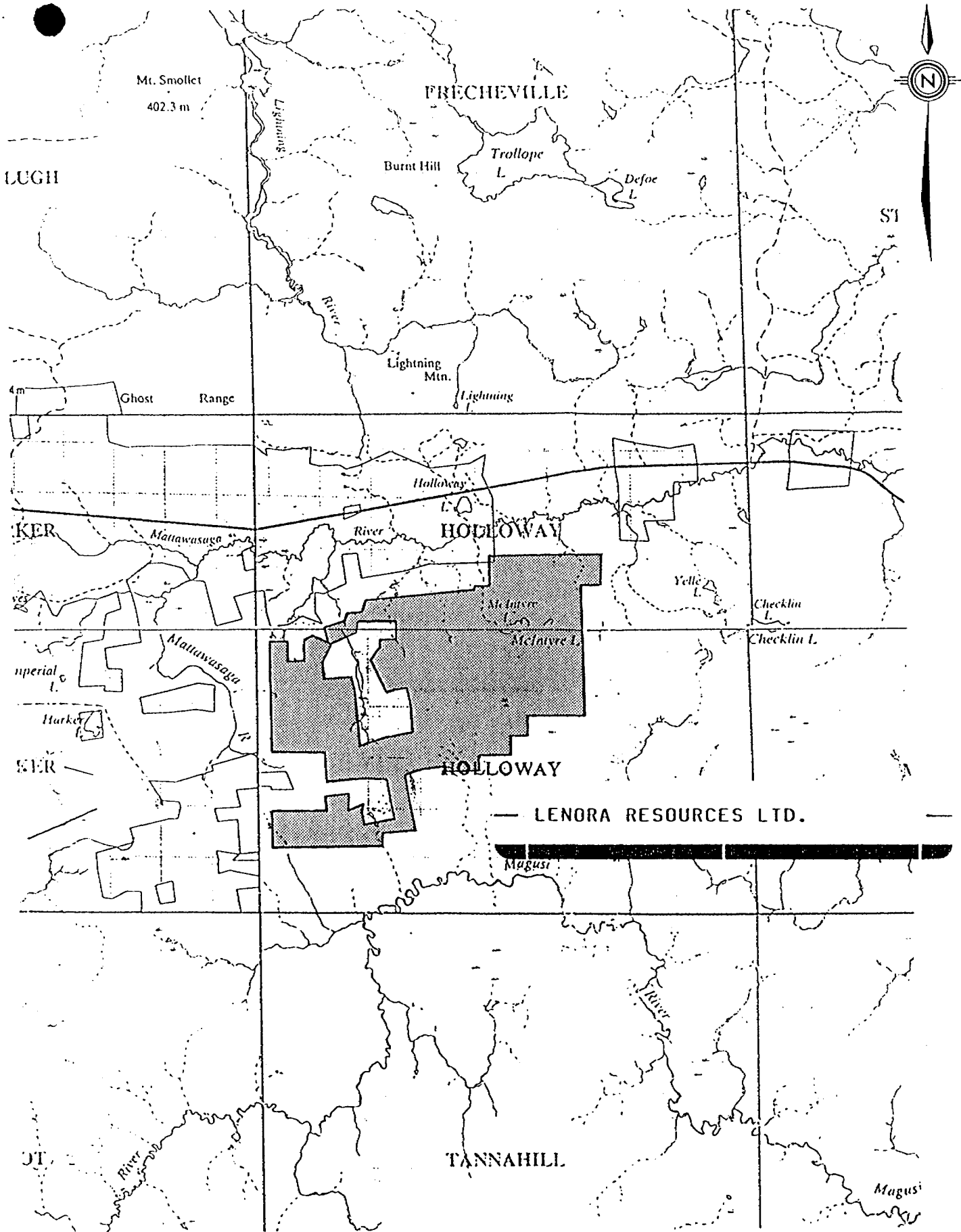


KASNER GROUP OF COMPANIES

Magnetic Contours

Holloway Project

Scale : 1:12,500



LUGH

FRECHEVILLE

ST

4m Ghost Range

KER

HOLLOWAY

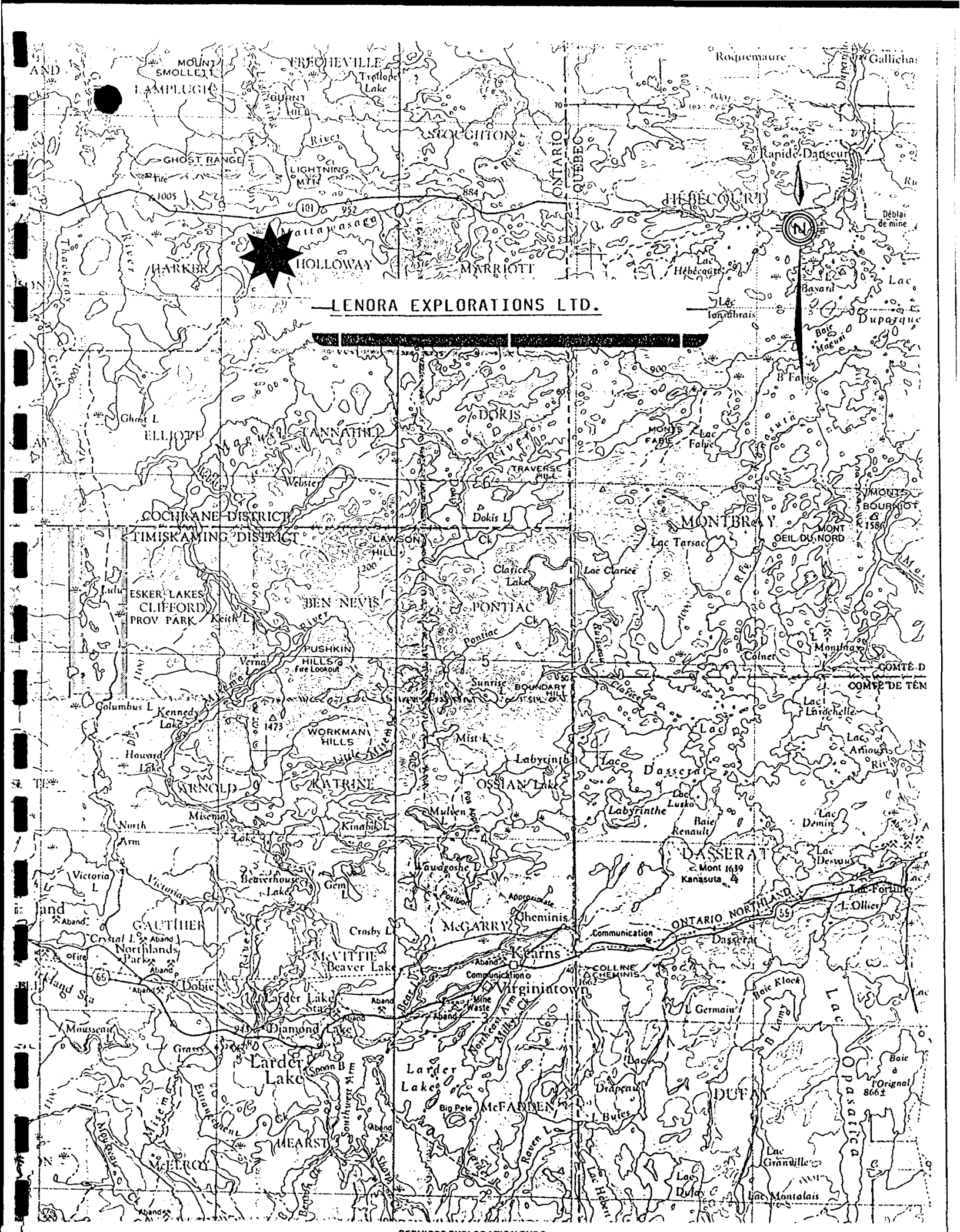
ER

HOLLOWAY

LENORA RESOURCES LTD.

TANNAHILL

1:100 000

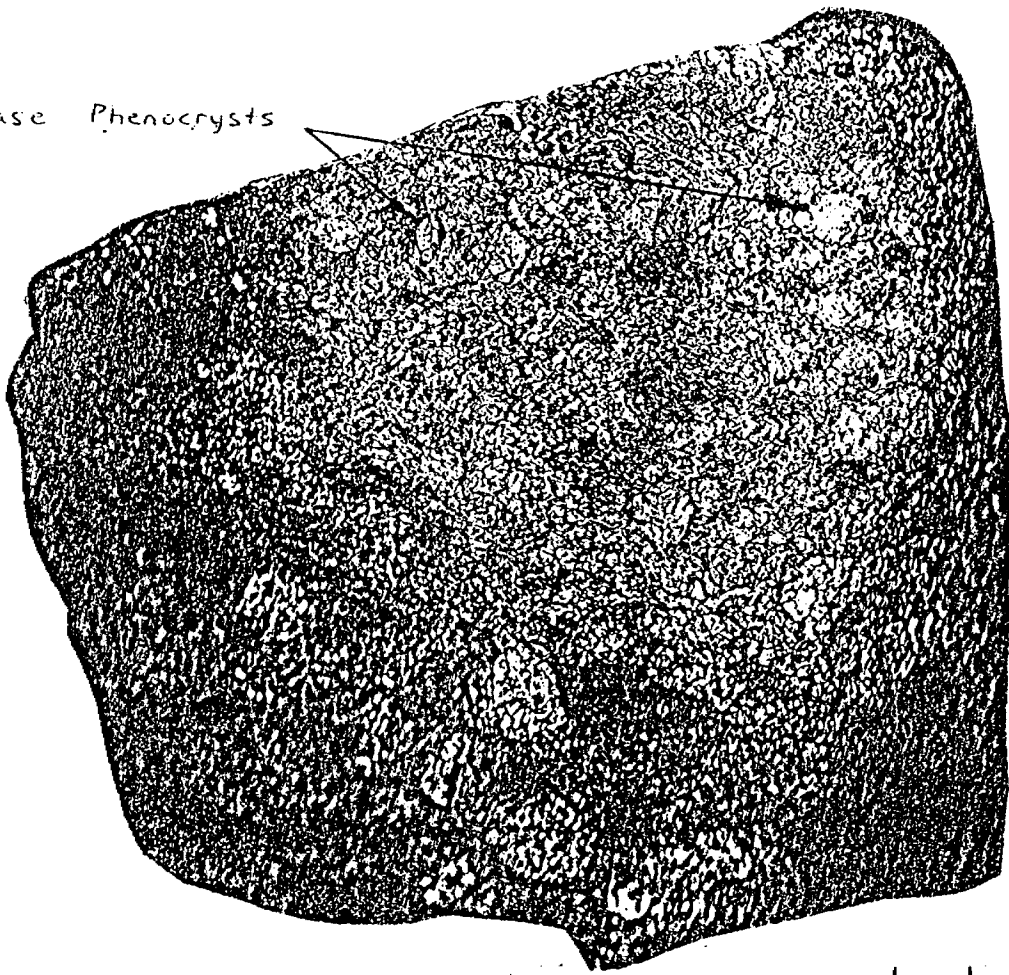


LENORA EXPLORATIONS LTD.

SECTION D

Sample Textures (Samples LIS-5, LIA-7, LIS-18)

Plagioclase Phenocrysts



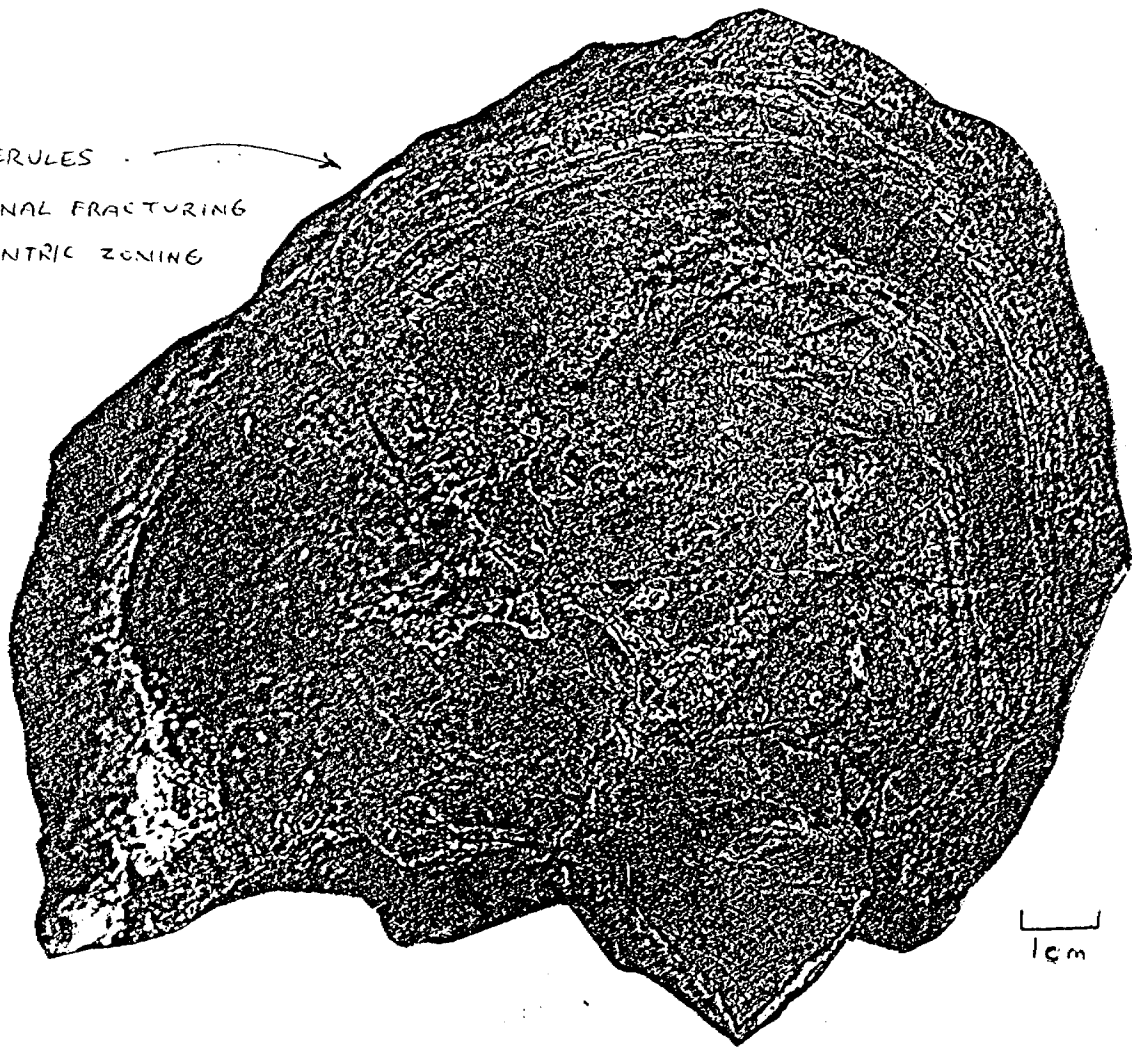
1cm

LIS-5

Mg Rich THOL.

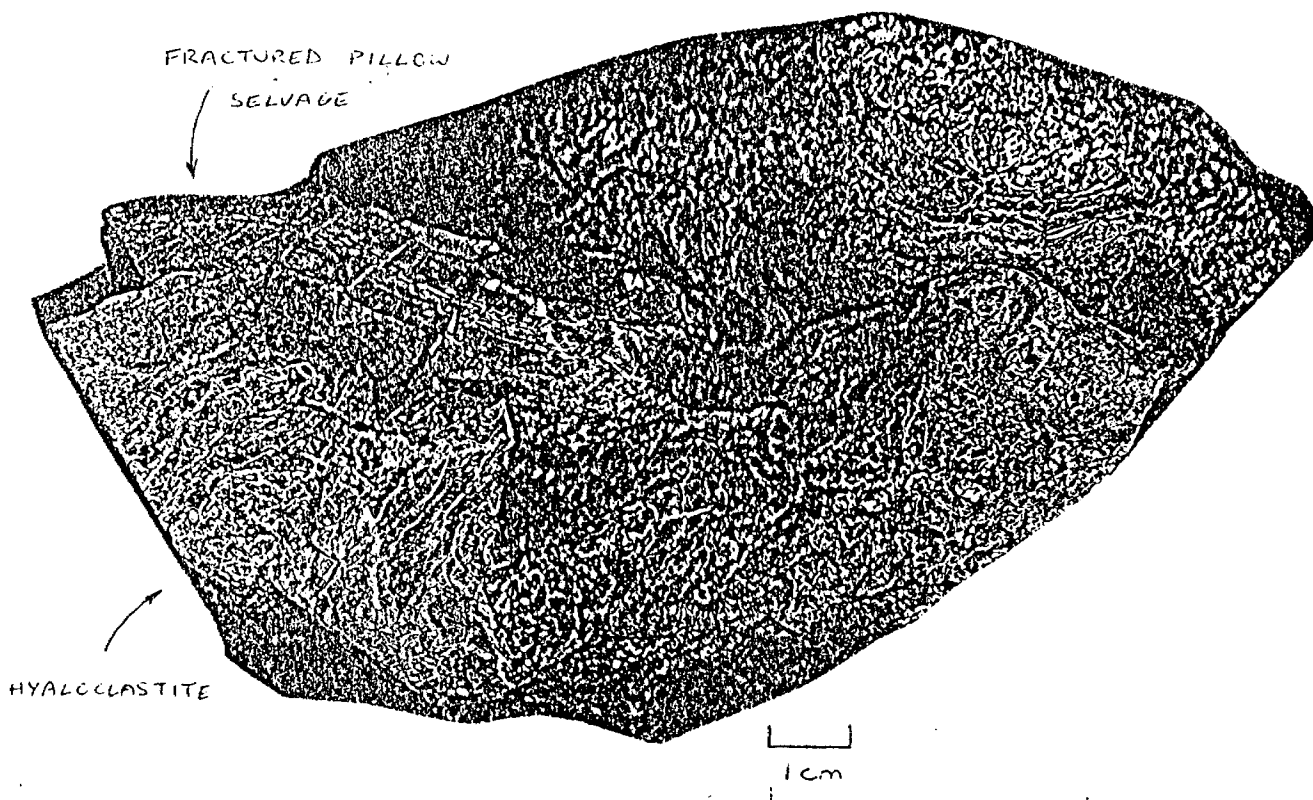
BASALT - PORPH.

- SPHERULES
- INTERNAL FRACTURING
- CONCENTRIC ZONING



LIA-7

PILLOW Fe Rich
THOL. BASALT



LIS-18

PILLOW Fe Rich
THOL. BASALT
w HYALOCCLASTITE



Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Mining Lands Branch
Geoscience Approvals Section
159 Cedar Street, 4th Floor
Sudbury, Ontario
P3E 6A5

Toll Free: 1-800-465-3880
Telephone: (705) 670-7264
Fax: (705) 670-7262

November 19, 1991

Our File: 2.14297
Your File: W.9180.5012

Mining Recorder
Ministry of Northern Development
and Mines
4 Government Road East
Kirkland Lake, Ontario
P2N 1A2

Dear Sir:

**SUBJECT: APPROVAL OF ASSESSMENT WORK SUBMITTED ON MINING CLAIMS
L. 588014 ET AL THE HOLLOWAY TOWNSHIP.**

The deficiencies in the Geological Surveys, submitted on Report of Work W.9180.5012 have been rectified.

The assessment work credits listed on the original linecutting and geophysics submission dated July 18 1991 have been approved under Section 14 of the Mining Act Regulations as of the above date.

The assessment work credits listed on the revised work credit forms for geological mapping submission dated November 6, 1991 have been approved under Section 12 as of the above date.

Please indicate this approval on your records.

Yours sincerely,

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

TA/jl
Enclosures:

cc: Assessment Files Office
Toronto, Ontario

Resident Geologist
Kirkland Lake, Ontario



32D12SE0695 2.14297 HOLLOWAY

900

Transaction Number

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

- Instructions:**
- Please type or print and submit in duplicate.
 - Refer to the Mining Act and Regulations for requirements of filing assessment work or consult the Mining Recorder.
 - A separate copy of this form must be completed for each Work Group.
 - Technical reports and maps must accompany this form in duplicate.
 - A sketch, showing the claims the work is assigned to, must accompany this form.

Recorded Holder(s) <i>Greater Leona Resources Corp.</i>		Client No. <i>139225</i>
Address <i>P.O. Box 546, Kirkland Lake, Ont. P2W 1A2</i>		Telephone No. <i>705-567-5351</i>
Mining Division <i>Kirkland Lake</i>	Township/Area <i>Holloway Twp</i>	M or G Plan No. <i>G-3651</i>
Dates Work Performed From: <i>July 1, 1988</i>		To: <i>Sept 1, 1988</i>

Work Performed (Check One Work Group Only)

Work Group	Type
<input checked="" type="checkbox"/> Geotechnical Survey	<i>Geological Mapping</i>
<input type="checkbox"/> Physical Work, Including Drilling	
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	

Total Assessment Work Claimed on the Attached Statement of Costs \$ *10,440.00*

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
<i>Andrew Houghton</i>	<i>2028 Chevict Court, Burlington, Ont.</i>
<i>Stewart Carmichael</i>	<i>P.O. Box 271, Swastika, Ont. P0K 1T0</i>

(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 <i>Nov 1/91</i>	Recorded Holder or Agent (Signature) <i>[Signature]</i>
--	-------------------------	--

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 <i>Stewart Carmichael P.O. Box 271, Swastika, Ont. P0K 1T0</i>		
Telephone No. <i>705-567-7286</i>	Date <i>Nov 6/91</i>	Certified By (Signature) <i>S. Carmichael</i>

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	Received Stamp
	Deemed Approval Date	Date Approved	
	Date Notice for Amendments Sent		

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units
	L-599025	
	L-588560	
	L-588558	
o	L-588561	
o	S-588562	
o	L-588291	
	L-588292	
	L-588293	
o	L-588290	
o	L-588289	
o	L-588288	
o	L-588287	
o	L-588286	
o	L-588285	
x	L-588284	
o	L-588283	
o	L-588282	
	17	

Total Number of Claims

Value of Assessment Work Done on this Claim	Value Applied to this Claim
111	145.00
111	145.00
111	145.00
111	o
111	o
111	o
111	o
111	o
111	o
111	o
111	o
111	o
111	o
111	o
111	o
111	o
111	o
111	o
1,888.7	435.00

Total Value Work Done

Total Value Work Applied

Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
111	
111	
111	
111	
111	
111	
111	
111	
111	
111	
111	
111	
111	
111	
111	
1,555.4	

Total Assigned From

Total Reserve

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

- Credits are to be cut back starting with the claim listed last, working backwards.
- Credits are to be cut back equally over all claims contained in this report of work.
- Credits are to be cut back as prioritized on the attached appendix.

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 agreements, 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 _____

-5 of actual costs

Work Order
Number for
Applying
Reserve

Claim Number
(see Note 2)

Number
of
Claim
Units

Value of
Assessments
Work Done
on the Claim

Value
Applied
to the
Claim

Value
Assigned
from
this Claim

Reserve
Work to be
Claimed at
a Future Date

1-588281
058385-1
1-588274
1-588276
1-588277
1-588278
1-588279
1-588280

111
111
111
111
111
111
111
111
111
111

10,440
10,440

111
111
111
111
111
111
111
111
111
111

3,647.00

74
Total Number
of Claims

10,440
Total Value Work
Done

10,440
Total Value
Work Applied

3,647.00
Total Assigned
From

Total Reserve

Credits you are claiming in this report may be cut back in order to minimize the adverse effects of such deletions. Please indicate from which claims you wish to prioritize the deletion of credits. Please mark (✓) one of the following:

1. (✓) Credits are to be cut back starting with the claim listed last, working backwards
 2. (X) Credits are to be cut back equally over all claims contained in this report of work.
 3. () Credits are to be cut back as prioritized on the attached appendix
- 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 agreements, 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 Spokane or leased land at the time the work was performed

Date



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

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, 4^e 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	17,572	
	Field Supervision Supervision sur le terrain		17,572
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- conseil	Type		
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type		
Total Direct Costs Total des coûts directs		17,572.00	

2. Indirect Costs/Coûts indirects

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

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type		
	Truck Rental	1,367.28	
	Pro Fuel	133.36	
			1501.00
Food and Lodging Nourriture et hébergement	Trail- Groceries	1807	1807.00
Mobilization and Demobilization Mobilisation et démobilisation			
Sub Total of Indirect Costs Total partiel des coûts indirects			3308.00
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			3308
Total Value of Assessment Credit (Total of Direct and Allowable indirect costs)			20880.00
Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)			20880.00

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

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

Filing Discounts

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

Total Value of Assessment Credit	Total Assessment Claimed
20,880	10,440.00
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 [Signature] I am authorized
(Recorded Holder, Agent, Position in Company)
Operational Manager

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 [Signature] je suis autorisé
(titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature [Signature] Date 11/1/91

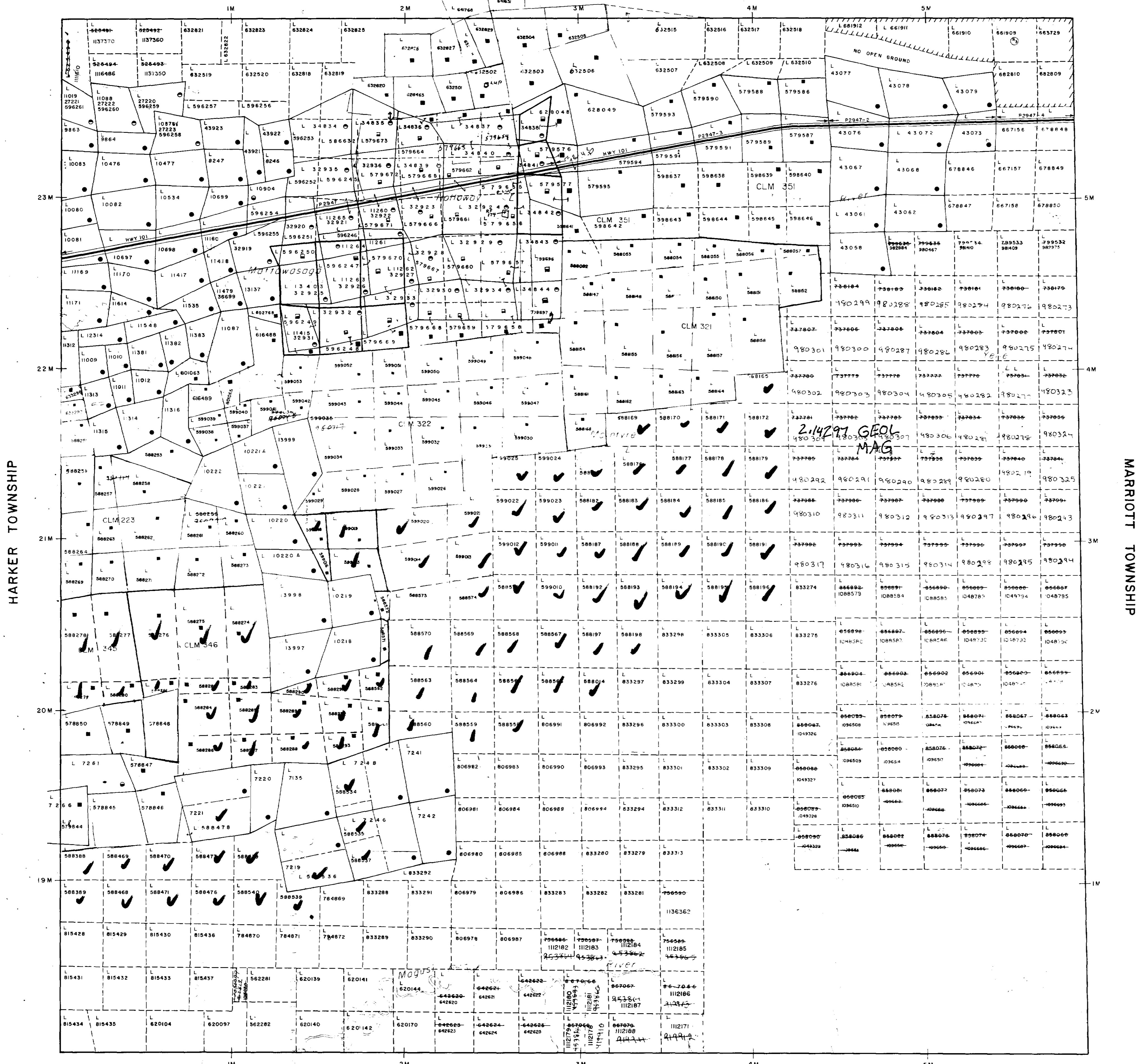
AREAS WITHDRAWN FROM DISPOSITION

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

Description	Order No.	Date	Disposition	File
Sec. 36/80	N.R.W. 15/85	05/11/85	M.B.S.	
Sec. 36/80	W. 9/86	24/01/86	M.B.S.	

0 26 88 NR MARCH 30 88 OPENS

FRECHEVILLE TOWNSHIP

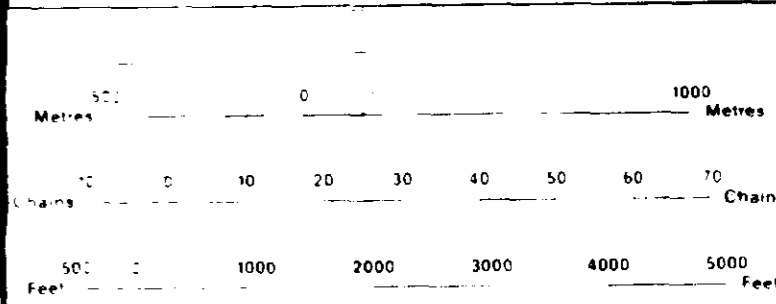


LEGEND

- HIGHWAY AND RAILROADS
- OTHER ROADS
- TRAILS
- SURFACE RIGHTS ONLY
- TOWNSHIP BOUNDARIES
- MINING CLAIMS PARCELS ETC.
- THIS MAP'S BOUNDARY
- BOUNDARY
- MINING CLAIMS
- RAILWAY AND RIGHT OF WAY
- ETC. LINES
- NATURAL STREAM
- FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MINING
- 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	OC
ORDER IN COUNCIL	OC
RESERVATION	⊙
CANCELLED	⊖
SAND & GRAVEL	⊕

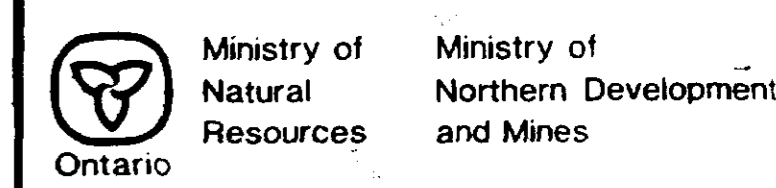


SCALE 1:20 000

DATE OF ISSUE
 FEB 19 1991
 LARDER LAKE
 MINING RECORDER'S OFFICE

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES. 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.

TOWNSHIP
HOLLOWAY
 M. N. R. ADMINISTRATIVE DISTRICT
 KIRKLAND LAKE
 MINING DIVISION
 LARDER LAKE
 LAND TITLES / REGISTRY DIVISION
 COCHRANE



OCTOBER, 1986
 G-3651



LAMPLUGH TWP. M-358

NOTICE OF FORESTRY ACTIVITY...
 THIS TOWNSHIP/AREA FALLS WITHIN THE
 ABITIBI MANAGEMENT UNIT
 AND MAY BE SUBJECT TO FORESTRY OPERATIONS.
 THE M.N.R. UNIT FORESTER FOR THIS AREA CAN BE
 CONTACTED AT: P.O. BOX 129 SWASTIKA ONT. POK-ITO
 705-642-3222

THE TOWNSHIP
 OF
HARKER

DISTRICT OF
 COCHRANE

LARDER LAKE
 MINING DIVISION

SCALE: 1-INCH 40 CHAINS

LEGEND

- PATENTED LAND ● or P
- CROWN LAND SALE C.S.
- LEASES ■ or L
- LOCATED LAND Loc.
- LICENSE OF OCCUPATION L.O.
- MINING RIGHTS ONLY M.R.O.
- SURFACE RIGHTS ONLY S.R.O.
- ROADS
- IMPROVED ROADS
- KING'S HIGHWAYS
- RAILWAYS
- POWER LINES
- MARSH OR MUSKEG
- MINES
- CANCELLED
- PATENTED S.R.O.
- LEASE - MINING RIGHTS ONLY

NOTES

400' Surface Rights reservation along the shores
 of all lakes and rivers.

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) MINING + SURFACE RIGHTS WITHDRAWN FROM STAKING SECT. 36 ORDER W.9/86				
L.U.P. LAND USE PERMIT NO. 117130, PENDING APPLICATION, UNDER PUBLIC LANDS ACT				

DATE OF ISSUE

FEB 19 1991

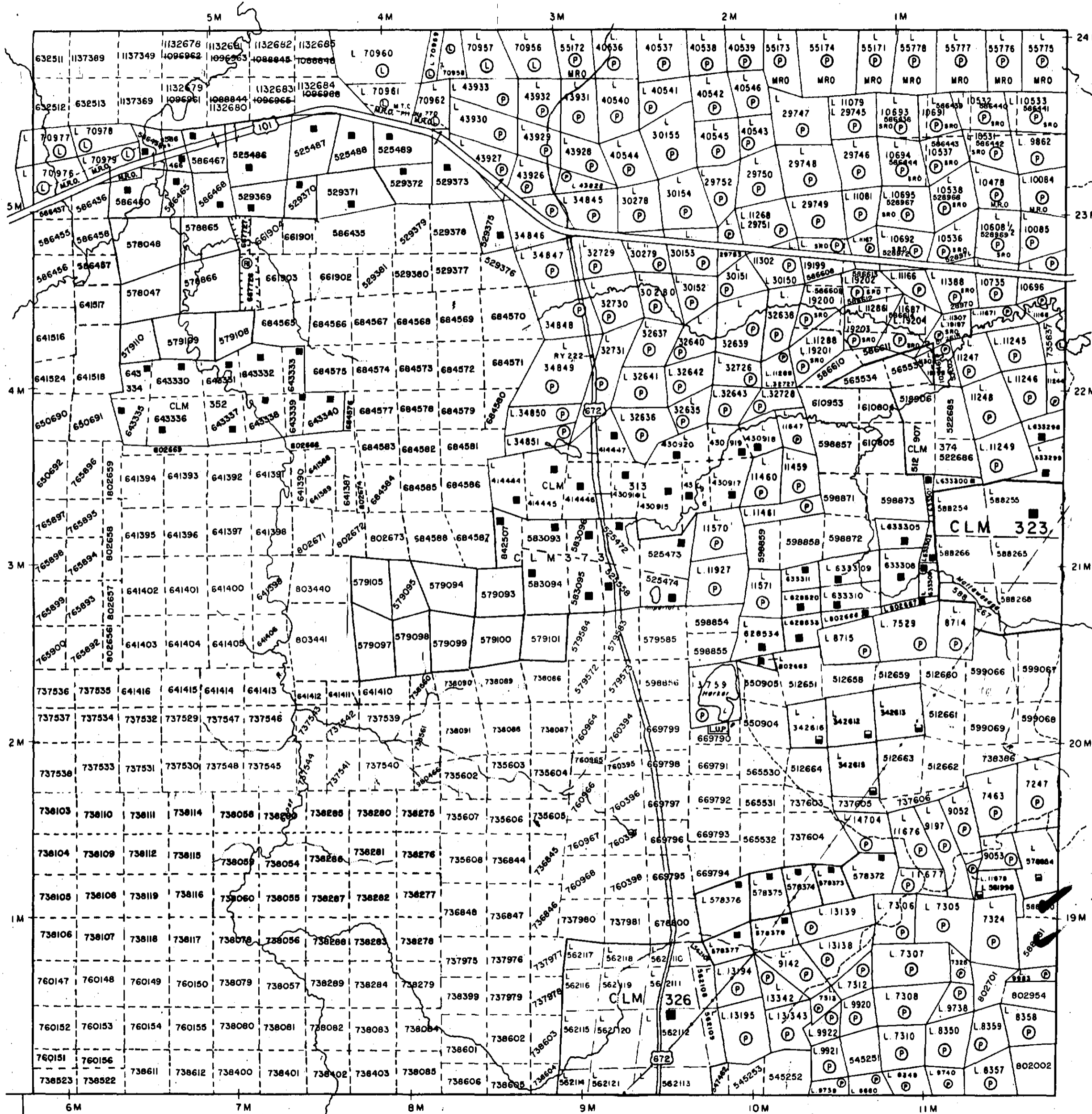
LARDER LAKE
 MINING RECORDER'S OFFICE



Ministry of Natural Resources
 Ministry of Northern Development and Mines

Date: _____ Number: **G-3643**

CIRCULATED FEB. 26, 1990

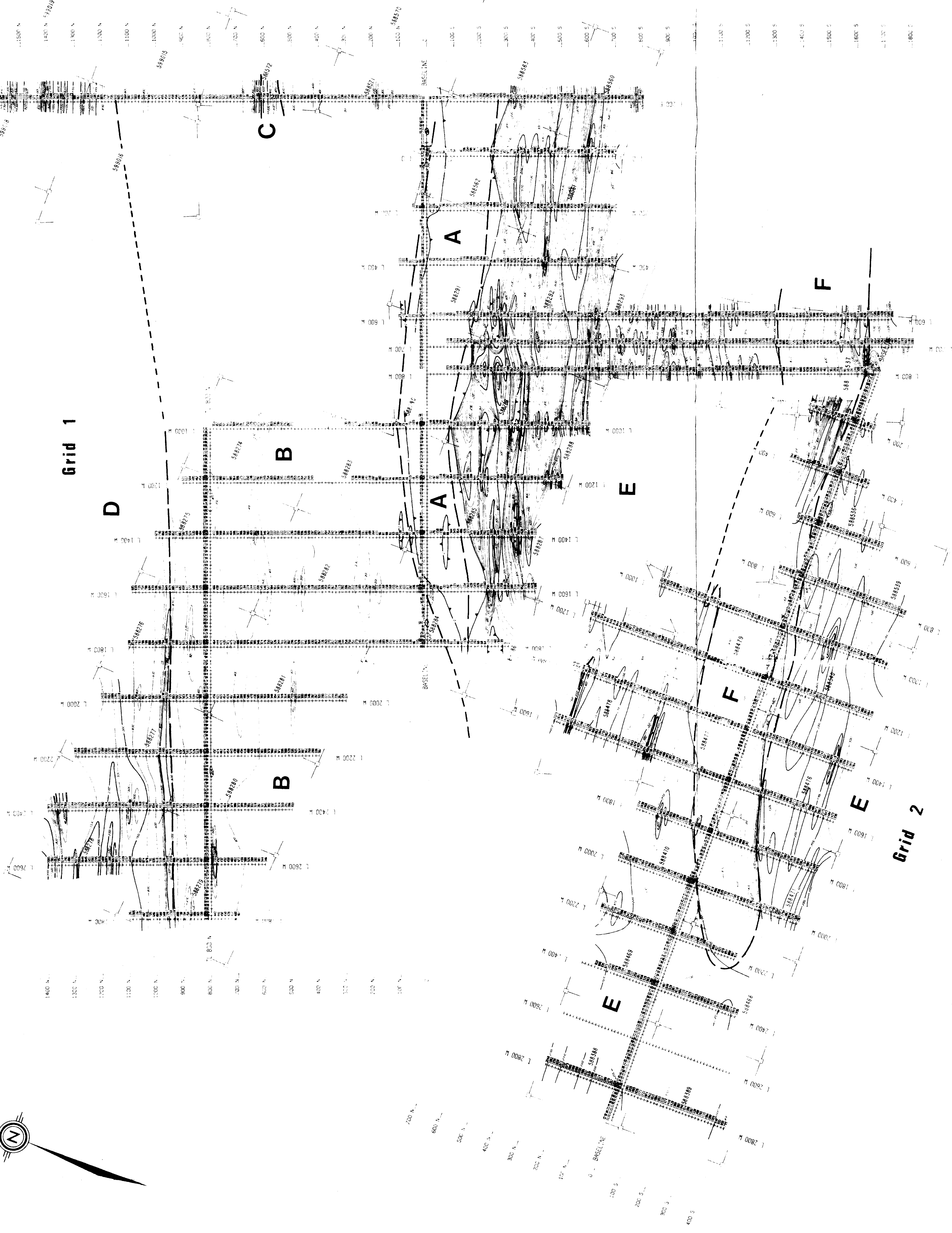
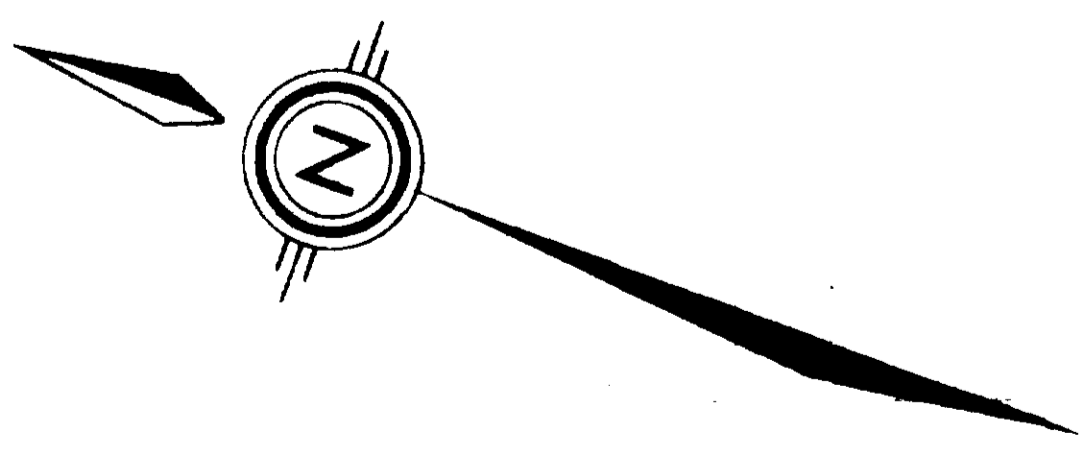
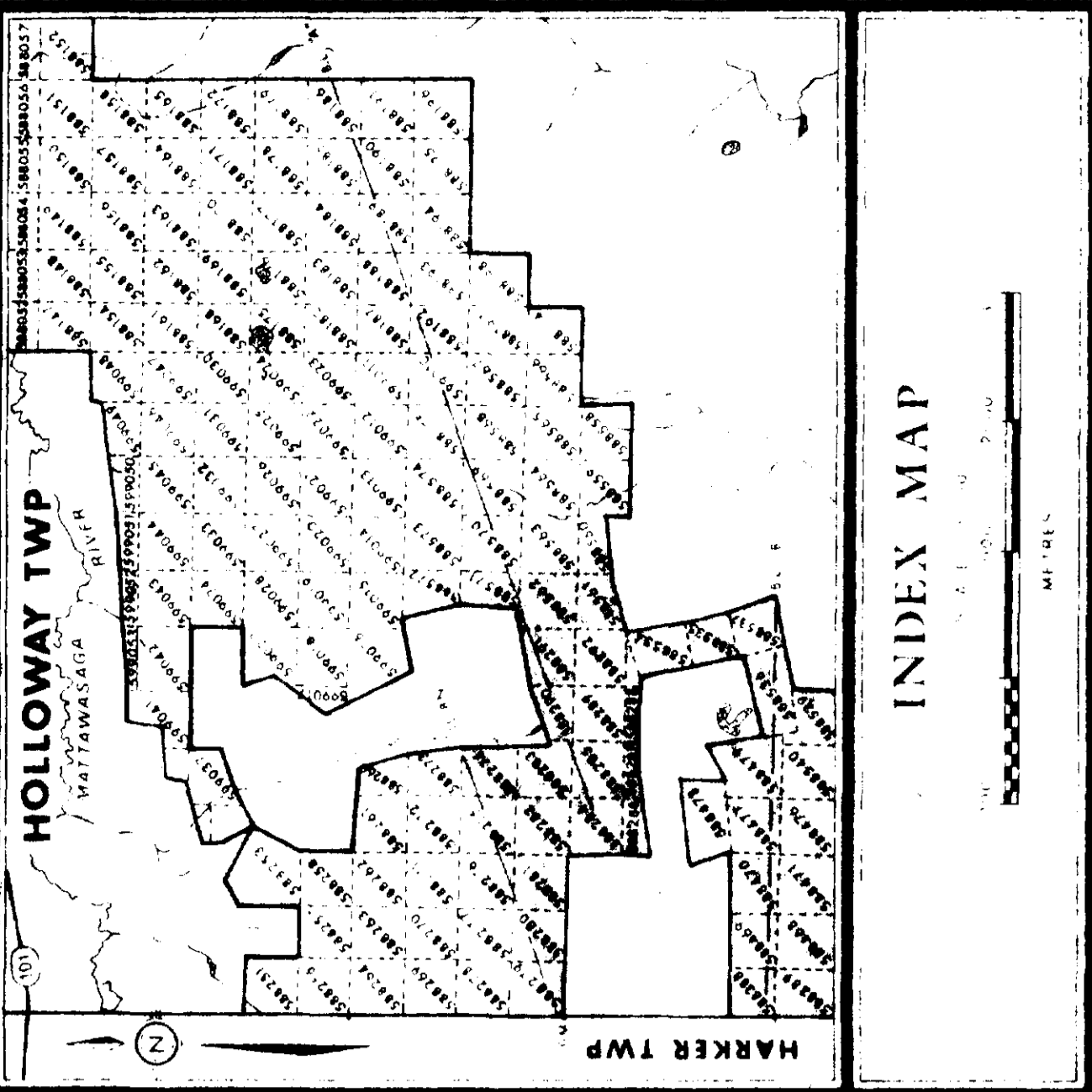


ELLIOTT TWP. M-347



320125E695 2.14297 HOLLOWAY

2.14297
 Geol.
 Map.



2.14297

- Claim post located
 - Claim post location assumed
- All readings in range of 55,000 gamma

MAGNETOMETER SURVEY
FOR

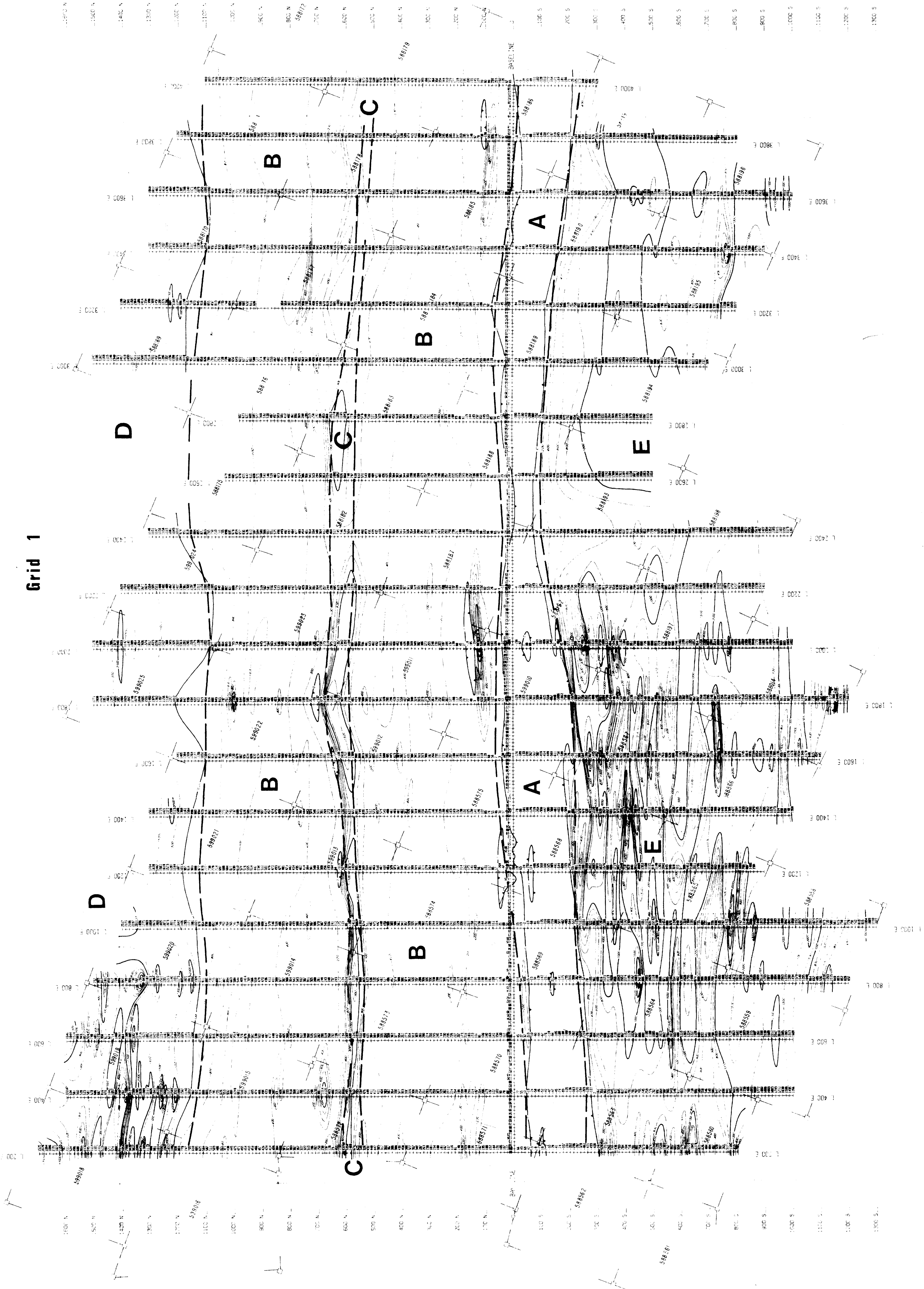
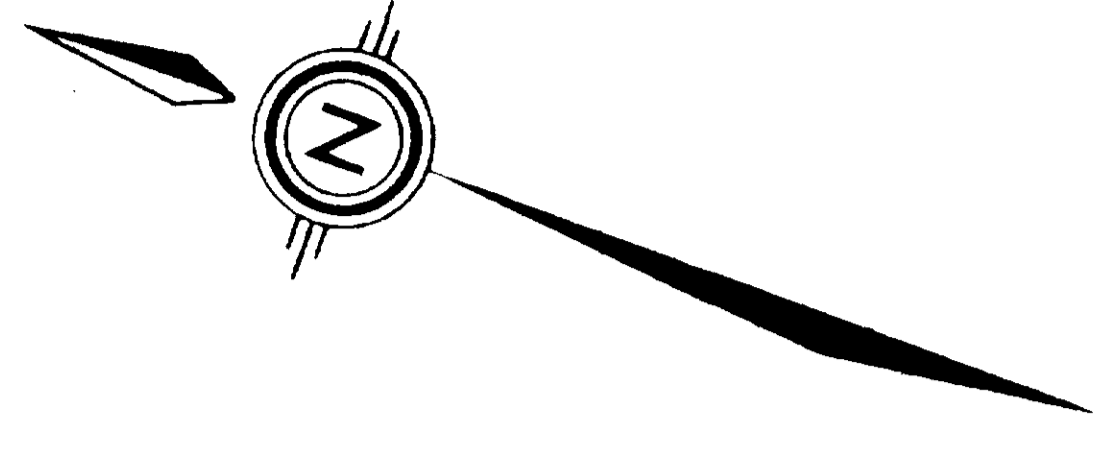
KASNER GROUP OF COMPANIES

PROJECT: HOLLOWAY Twp of 2

INSTRUMENT: DATE: JULY 88
DRAWN BY: M. CHOUHARD SCALE: 1"=500'
SERVICES: EXPLORATION SERVICES REGD

HOLLOWAY TWP
 24772423
 24772423

INDEX MAP
 1/4 SECTION
 1/4 SECTION
 1/4 SECTION
 1/4 SECTION



■ Claim post located
 □ Claim post location assumed
 All readings in range of 55,000 gamma

2.14297

MAGNETOMETER SURVEY
 FOR
KASNER GROUP OF COMPANIES

PROJECT: HOLLOWAY 2 of 2
 SURVEYED BY: W. BUCHHEITEL DATE: JULY 88
 DRAWN BY: R. CROSBY SCALE: 1:5000
 SERVICES: EXPLORATION SERVICES REGD
 TWP: Holloway



